THE HIGH COURT - COURT 29 COMMERCIAL

Case No. 2016/4809P

THE DATA PROTECTION COMMISSIONER

PLAINTIFF

and

FACEBOOK IRELAND LTD.

AND DEFENDANTS

MAXIMILLIAN SCHREMS

<u>HEARING HEARD BEFORE BY MS. JUSTICE COSTELLO</u>

<u>ON WEDNESDAY, 22nd FEBRUARY 2017 - DAY 9</u>

9

Gwen Malone Stenography
Services certify the
following to be a
verbatim transcript of
their stenographic notes
in the above-named
action.

GWEN MALONE STENOGRAPHY
SERVICES

APPEARANCES

For the PLAINTIFF: MR. MICHAEL COLLINS SC

MR. BRIAN MURRAY SC MS. C. DONNELLY BL

Instructed by:

MR. DAMIEN YOUNG
PHILIP LEE SOLICITORS
7/8 WILTON TERRACE

DUBLIN 2

For the 1ST DEFENDANT: MR. PAUL GALLAGHER SC

MS. NIAMH HYLAND SC MR. FRANCIS KIERAN BL

Instructed by: MASON HAYES & CURRAN

SOUTH BANK HOUSE BARROW STREET DUBLIN 4

FOR THE 2ND DEFENDANT:

MR. EOIN MCCULLOUGH SC MR. JAMES DOHERTY SC MR. SEAN O'SULLIVAN BL

Instructed by: **AHERN RUDDEN QUIGLEY**

5 CLARE STREET DUBLIN 2

MS. EILEEN BARRINGTON SC MS. SUZANNE KINGSTON BL FOR UNITED STATES OF AMERICA:

McCANN FITZGERALD Instructed by:

RIVERSIDE ONE 37-42 SIR JOHN ROGERSON'S QUAY

DUBLIN 2

FOR BSA The Software Alliance: MR. MAURICE COLLINS SC

MS. KELLEY SMITH BL

Instructed by: **WILLIAM FRY SOLICITORS**

2 GRAND CANAL SQUARE DUBLIN 2

FOR DIGITAL EUROPE: MR. MICHAEL CUSH SC MS. NESSA CAHILL BL

Instructed by: A&L GOODBODY

28 NORTH WALL QUAY

NORTH WALL DUBLIN 1

FOR ELECTRONIC PRIVACY INFORMATION CENTER:

MR. COLM O'DWYER SC MS. GRAINNE GILMORE BL

Instructed by: FREE LEGAL ADVICE CENTRE 13 DORSET STREET LOWER

DUBLIN 1

COPYRIGHT: Transcripts are the work of Gwen Malone Stenography Services and they must not be photocopied or reproduced in any manner or supplied or loaned by an appellant to a respondent or to any other party without written permission of Gwen Malone Stenography Services

INDEX

WITNESS	PAGE
PROF. RICHARDS	5
RE-EXAMINED BY MR. MURRAY	5
MR. ANDREW SERWIN	
DIRECTLY EXAMINED BY MR. MURRAY	56
CROSS-EXAMINED BY MS. HYLAND	70
THE HEARING CONTINUED AFTER LUNCH	85

1			THE HEARING RESUMED AS FOLLOWS ON WEDNESDAY, 22ND	
2			FEBRUARY 2017	
3				
4			REGISTRAR: At hearing commercial action, Data	
5			Protection Commissioner Plaintiff -v- Facebook Ireland	11:02
6			and Maximilian Schrems.	
7			MR. MURRAY: May it please the court. There has been a	
8			slight rearrangement of the furniture. Prof. Richards,	
9			please.	
10				11:03
11			PROF. RICHARDS WAS RE-EXAMINED BY MR. MURRAY AS	
12			FOLLOWS:	
13				
14	1	Q.	Prof. Richards, when we broke up on Monday afternoon we	
15			were looking at ACLU -v- Clapper, that's the first	11:03
16			<u>Clapper</u> case, the decision of the Second Circuit, and	
17			that's at Tab 15 if we could	
18		Α.	Which book?	
19	2	Q.	Well, it's Tab 15 in Book 1 of the Book of Authorities,	
20			but Mr. Young might be able to help you.	11:03
21			Prof. Richards, I think we had finished at the point	
22			and in particular we were looking at paragraph 6 on	
23			page 801 where you had explained that, in relation to	
24			the seizure of the metadata, it was the Fourth	
25			Amendment which established standing and observed that	11:04
26			this would not have been available to US citizens?	
27		Α.	That's correct.	
28	3	Q.	And if you can just, to put this in context and remind	
29			us, Prof. Richards, Mr. Gallagher used a phrase on a	

1			number of occasions on Monday, and in particular in the	
2			course of the afternoon, "interference with the data"	
3			and he used the phrase "use" and he used the phrase	
4			"access" and he used the phrase "disclosure", insofar	
5			as - and I think you express some satisfaction with	11:04
6			that phrase - but insofar as you know what it means	
7			what was the interference that was in issue in this	
8			case?	
9		Α.	The interference in this case, and again, as	
10			I suggested on Monday, interference is not typically	11:05
11			the word that US lawyers might use in this context.	
12			But in this case, to use I think the word that lawyers	
13			would use, the injury or the injury in fact was the	
14			seizure of the data by the United States government.	
15	4	Q.	Mr. Gallagher put it to you repeatedly on Monday	11:05
16			afternoon that this case established that interference	
17			with the data constituted harm or accessing the data	
18			constituted harm, is that in your opinion a correct	
19			construction of the reference to seizure?	
20		Α.	It is not.	11:05
21	5	Q.	And what do you understand the case to have decided	
22			insofar as it defined or identified a type of	
23			permissible harm for the purposes of the Article III	
24			test?	
25		Α.	I read <u>Clapper</u> to say that, because the United States	11:05
26			government seized the data and because the plaintiffs	
27			in this case both alleged and proved as a result of the	
28			illegal Snowden disclosures that the data had in fact	

been seized, and, furthermore, because there was a

1		colourable claim that their Fourth and First Amendment	
2		rights had been violated, that that constituted an	
3		injury in fact within the meaning of Article III.	
4	6 Q.	MS. JUSTICE COSTELLO: Can you explain colourable	
5		claim? I suspect that's more complicated than I think.	11:06
6	Α.	Unfortunately, Judge, that's correct, it is more	
7		complicated. So there is a problem, a logical problem	
8		in standing doctrine; what happens if you don't prove	
9		your claim, do you, therefore, lack standing? It	
10		creates a bit of a chicken and egg problem of	11:06
11		circularity. So US courts have resolved this problem	
12		by requiring that what is necessary is a colourable	
13		claim, a claim that is, it's hard to define terms of	
14		art outside of their meaning, a claim that one can	
15		make, a reasonable claim, not necessarily one that will	11:07
16		be proven, but a legitimate claim within the meaning	
17		of	
18	7 Q.	MR. MURRAY: A phrase that's used in this system is a	
19		stateable claim, is that a phrase you have heard	
20		before, a <i>stateable</i> claim?	11:07
21	Α.	I couldn't say for certain that they are the same	
22		thing, but it would certainly, the non-technical	
23		definition of stateable would be along the same lines	
24		as colourable, that's correct.	
25	8 Q.	Thank you. Now can I ask you to turn in the same book	11:07

to the next tab which is the other **Clapper** case which

is the decision of the United States Supreme Court in

Clapper -v- Amnesty. Mr. Gallagher asked you to look

at a statement in the dissent of four of the judges,

26

27

28

29

Judge Breyer delivering the decision, but also that of Justice Ginsburg, Sotomayor and Kagan, and the passage was at the bottom of page 1155 on the right-hand side.

Mr. Gallagher put to you and I think you agreed with him that the interception of the contents of an e-mail or a telephone conversation, access as it were to the contents of the communication, was likely to be found to be concrete and particularised?

10 A. That's correct.

11:08

11:08

9 Q. Now while on that, from your general expertise in the area of privacy and data protection, could you perhaps identify for the court the different type of, and we'll use Mr. Gallagher's word, *interferences* with data rights that can present themselves?

11:08

11:09

11:09

A. There are a wide variety of "interference rights" that can occur with respect to data. In fact the thinking broadly, the full range of fair information practice principles, which I believe to be embodied in the Directive in the European Union, could in a sense constitute interference. But in this case the court is referring to a particular subset, perhaps one might even go so far as to say a narrow subset of the universe of interference which is the seizure of the contents of a telephone communication which we know to be protected under the Fourth Amendment since 1967 in the <u>Katz</u> decision and the seizure of the contents of

e-mails which, while their constitutional status is

debatable - I think I said on Monday that an appellate

1			court has recognised, I think, I believe the Supreme	
2			Court would recognise the contents of e-mails as fully	
3			protected by the Fourth Amendment if a case were to get	
4			to it. But certainly there is a colourable claim there	
5			under the constitution.	11:10
6				
7			There is also a claim under statute, the Electronic	
8			Communications Privacy Act does prevent the unlawful	
9			interception of the contents of an electronic	
10			communication, an e-mail. So there is a highly	11:10
11			colourable claim, if not a de facto stated claim there.	
12	10	Q.	Yes. Now could you, just for the assistance of the	
13			court at this stage of the proceedings, identify what	
14			other types of interferences there could be?	
15		Α.	There can be unlawful use, unlawful sorry, there can	11:10
16			be use, there can be disclosure, there can be general	
17			processing or accessing. There can be storage under	
18			less than fully secure conditions. There can be	
19			storage that is, not just insecure, but which leads to	
20			a breach with various degrees of culpability on the	11:11
21			part of the, what I believe one would call a data	
22			processer under European law. There are multiple other	
23			things that one can do with data.	
24				
25			There can also be a failure of notice under certain	11:11
26			circumstances and perhaps also a failure to provide a	
27			meaningful choice. Now not all of these might	
28			necessarily apply to government in this context, but	

there are a wide, my understanding of interference in

1		European law is that it encompasses a much broader set	
2		of data handling and use and processing practices than	
3		the seizure of the contents of communications.	
4	11 Q.	And if one of those types of interference constitutes	
5		harm or injury in fact, does that mean that the others	11:11
6		do?	
7	Α.	No, not necessarily. In fact we discussed on Monday	
8		the civil context of data breach cases, I believe the	
9		Nickelodeon case was one of them. In those cases	
10		broadly defined across the universe of these cases	11:12
11		there is a great degree of uncertainty about what, in	
12		the civil context, what the harm standard is, what the	
13		culpability standard is for data breaches. And some	
14		courts seem to require a finding of harm and some	
15		courts do not, the idea that negligent handling might	11:12
16		be enough.	
17			
18		I think all that one can, all that I can confidently	
19		say, and I think all that perhaps others could	
20		confidently say, on this point, particularly after the	11:12

25 12 Q. Now --

Α.

21

22

23

24

26

27

28

29

And I believe that the confusion in the lower courts will continue. Prof. Solove, who we made reference to on Monday, and Prof. Citron have recently circulated a paper that makes essentially these points, that there

Spokeo decision which required or at least illuminated

or highlighted the importance of concreteness and added

11:12

some new textual, a new test or some new language to

refine the element, is that it is unclear.

1			is great confusion in the lower courts on the question	
2			of what constitutes standing or harm particularly after	
3			<u>Clapper</u> and particularly after <u>Spokeo</u> .	
4	13	Q.	Now, Prof. Richards, I want to ask you something	
5			slightly different, but just to go to page 1156. The	11:13
6			minority judges provide just a description of what the	
7			effect of section 1881a(e) is on the right-hand side of	
8			the page, just above B, I just want to read this to	
9			you. It says:	
10				11:13
11			"Thus, using the authority of section 1881a the	
12			government can obtain court approval for its	
13			surveillance of electronic communications between	
14			places within the United States and targets in	
15			Foreign territories by showing 'a significant purpose	11:13
16			of the acquisition is to obtain foreign intelligence	
17			information', and that it will use general targeting	
18			and privacy-intrusion minimization procedures of a	
19			kind."	
20				11:14
21			Now if any person, be they US citizen or otherwise,	
22			wants to challenge the fact that it is possible to	
23			access their information without probable cause showing	
24			to an Article III judge, to an independent judge, if	
25			that is their complaint, given that that's what the	11:14
26			statute provides, what is the mechanism that they have	
27			to agitate that complaint under United States law? How	
28			can they present that complaint, what would the theory	
29			by which they present that complaint have to be?	

1		Α.	They would have to allege harm. They would have to	
2			show that	
3	14	Q.	But the cause of action that they would have to bring,	
4			what would it be?	
5		Α.	It would depend upon the theory. One could bring a	11:15
6			fourth if the question is, as I understand it, a	
7			failure of probable cause, the appropriate theory of	
8			relief would be a Fourth Amendment claim that protects	
9			against	
10	15	Q.	A challenge to the legislation; is that correct?	11:15
11		Α.	Yes.	
12	16	Q.	Yes.	
13		Α.	The statute was unconstitutional under the Fourth	
14			Amendment, and I believe that claim was brought in this	
15			case.	11:15
16	17	Q.	Yes. And is there any other mechanism by which you	
17			could agitate that complaint, apart from a challenge to	
18			the constitutionality of the legislation?	
19		Α.	One could argue that the statute was being applied in a	
20			way that exceeded the statutory authority.	11:15
21	18	Q.	But aside from the latter, could an <i>EU</i> citizen bring a	
22			constitutional challenge to complain of the fact that	
23			their information could be accessed without proof of	
24			probable cause to an independent judge?	
25		Α.	An EU citizen would have a harder time than a US	11:15
26			citizen. There is a subset of EU citizens, a very	
27			small subset, who are permanent resident aliens who	
28			could plead constitutional rights as if they were	
29			United States citizens most likely. However, one's	

1		typical EU citizen who has no substantial connection to	
2		the United States, is not a permanent resident, would	
3		have a particularly hard time asserting a	
4		constitutional right.	
5			11:16
6		I would not say that it would be impossible because, as	
7		we discussed on Monday, there are two cases before the	
8		Supreme Court this term. However, the plain reading of	
9		the Verdugo-Urquidez case, which we discussed on Monday	
10		as well, is that an EU citizen or any non-US citizen	11:16
11		who lacks substantial connection to the United States,	
12		and perhaps also physical presence, which is a	
13		complicating interpretive fact with respect to data,	
14		would have a very hard time making a claim.	
15	19 Q.	Now, Prof. Richards, it was then suggested to you that	11:16
16		there was something extraordinary about this challenge,	
17		the challenge brought by the plaintiffs in this case.	
18		Mr. Gallagher said: "You expected the court to	
19		entertain a challenge to the constitutionality of	
20		legislation, with no facts, no idea of the programme,	11:17
21		no idea of how the discretion is going to operate, no	
22		idea of how the FISC court will operate."	
23			
24		Is it unusual in the United States law to have a facial	
25		challenge to legislation of this kind?	11:17
26	Α.	It is not unusual. I believe that the question that	
27		I was that I believe I was answering that Mr. Gallagher	
28		had asked me was whether courts like to hear facial	

challenges and I believe I answered that they do not

1			like it, but that does not mean it is not impossible.	
2			In fact, particularly in the fundamental rights area,	
3			particularly the First Amendment right of free	
4			expression, facial challenges to statutes are quite	
5			common	11:17
6	20	Q.	Now, Prof. Richards?	
7		Α.	and sometimes successful.	
8	21	Q.	Prof. Richards, I want to ask you to look at something	
9			else in the decision of the minority which	
10			Mr. Gallagher wished to rely upon and it's to go to	11:17
11			page 1159 where the minority summarised their	
12			assessment of the probability or likelihood of harm,	
13			and it's in the right-hand side of the page where the	
14			minority said this:	
15				11:18
16			"The upshot is that that (1) similarity of content, (2)	
17			strong motives, (3) prior behavior, and (4) capacity	
18			all point to a <u>very strong likelihood</u> that the	
19			Government will intercept at least some of the	
20			plaintiffs' communications, including some that the	
21			2008 amendment, but not the pre-2008 Act, authorizes	
22			the Government to intercept."	
23				
24			Could I ask you just to turn over in the same vein to	
25			the next, page 1160 on the left-hand side. Just above	11:18
26			(iv):	
27				
28			"We need only assume that the government and doing its	
29			job in order to conclude that there is a <u>high</u>	

1		probability that the government <u>will</u> intercept at least	
2		some electronic communication to which at least some of	
3		the plaintiffs are parties. The majority is wrong when	
4		it describes the harm threatened to the plaintiffs as	
5		'speculative'."	11:19
6			
7		Do you have any comment to make on those observations	
8		by the four members of the Supreme Court?	
9	Α.	I think there are two disagreements among the majority	
10		justices and the dissenting justices in this well,	11:19
11		there are at least two differences. One is about the	
12		correct legal standard. I believe that the dissenters,	
13		Justice Breyer and the three justice's joint opinion,	
14		would have preferred that the Second Circuit test on	
15		objectively reasonable likelihood would satisfy the	11:19
16		constitutional minimum. Of course the Supreme Court in	
17		the majority rejected that standard overtly.	
18			
19		I believe also, though, there is, even under the	
20		majority standard, the dissenters have a second point	11:19
21		of disagreement with the court which is that, even	
22		under that standard, the harm is not speculative.	
23	22 Q.	Now Prof. Richards, I want to ask you to turn now to	
24		the <u>Spokeo</u> case. You'll find that at Tab 35 which is	
25		in Book No. 3. Prof. Richards, like a number of the	11:20
26		cases that Mr. Gallagher put to you on Monday	
27		afternoon, <u>Spokeo</u> was a case arising from a statute	

with which you are familiar?

28

29

called the Fair Credit Reporting Act, is that a statute

1		Α.	That is	correct,	yes.
2	2.2	^	And the	complain+	÷n

2 23 Q. And the complaint in <u>Spokeo</u> arose from the fact that, 3 in breach of a provision of that statute, information 4 of the -- well what had occurred to information of the 5 plaintiff in breach of the statute?

11:21

11:21

11:21

11:21

11:21

A. I am sorry, there was a noise in the background, I didn't hear.

8 24 Q. In breach of the statute what was the plaintiff's complaint, what did he say had occurred in breach of the statute?

A. The Fair Credit Reporting Act is a federal law that I believe is about, over 40 years old that protects the accuracy of the credit reporting system and regulates what are colloquially referred to as the credit bureaus or credit reporting agencies.

1617

18

19

20

21

22

23

24

25

26

27

6

7

11

12

13

14

15

One of the requirements of the Fair Credit Reporting Act which applies the fair information practice principles or some of them to the credit reporting industry in the United States is that, and this is listed on page 1 in the syllabus, it is also of course in the substantive text of the opinion, that the Fair Credit Reporting Act require consumers and reporting agencies to "follow reasonable procedures to assure maximum possible accuracy of consumer reports" and imposes liability upon regulated commercial entities that fail to comply with any requirement of the Act.

28

29

So it imposes a series of regulatory obligations.

т.			There are also requirements that credit reports be	
2			furnished to a consumer upon request, without charge	
3			under certain circumstances. There are requirements of	
4			other kinds of notice and access and a procedure for	
5			rectification of false materials, false data.	11:22
6	25	Q.	What happened to the plaintiff here?	
7		Α.	In this case the data broker Spokeo had data on	
8	26	Q.	Sorry, it's a phrase that perhaps isn't used often	
9			here, but a data broker being someone who collects	
10			information and then sells it on to advertisers or	11:22
11			commercial companies?	
12		Α.	That's correct. Spokeo, the defendant in this case,	
13			advertises itself as a people search engine in which it	
14			aggregates data about individuals, compiles them and	
15			then sells them, a subscription to look up information	11:22
16			about. And I believe they have records on most of the	
17			individuals in the United States.	
18	27	Q.	So what happened to the plaintiff, what did they do to	
19			the plaintiff?	
20		Α.	He was applying for a job and his file was used, he	11:23
21			alleged, and he found that there were errors in his	
22			file. But the errors, unlike other kinds of errors	
23	28	Q.	When you say his file was used, what do you mean?	
24		Α.	His file was accessed by potential employers, certainly	
25			by Spokeo and Spokeo's data on Mr. Robins, who was the	11:23
26			plaintiff in this case, contained errors but they were	
27			errors that were positive. The aggregate of the	
28			information was that he was perhaps more employable	
29			than otherwise. There were demonstrable errors in his	

Т.			report and ne prought suit saying that Spokeo had	
2			failed to follow procedures designed to assure maximum	
3			possible accuracy. And so his allegation was 'Spokeo,	
4			you violated the Act because you did not follow	
5			procedures to make sure that the errors in my report,	11:24
6			that my report was accurate', and Spokeo countered	
7			'well it doesn't matter because there was no harm	
8			here'. And so because it has positive statements about	
9			you and therefore you lacked standing because you	
10			failed to demonstrate an injury in fact.	11:24
11	29	Q.	Congress had conferred a cause of action on Mr. Robins?	
12		Α.	Congress had. Congress had conferred a cause of action	
13			upon any person who can allege a wilful failure to	
14			comply with any requirement of the Act. So it was a	
15			broad right of action.	11:24
16	30	Q.	And the Supreme Court held, notwithstanding Congress'	
17			provision of that cause of action, he had no standing?	
18		Α.	That's correct.	
19	31	Q.	Now, I want Mr. Gallagher put to you a note which	
20			you had prepared with a man I think you have just	11:25
21			referred to a few moments ago, Mr. Solove?	
22		Α.	Yes.	
23	32	Q.	You recall he put that document to you?	
24		Α.	Yes.	
25	33	Q.	And you said to the judge well that this note which he	11:25
26			put to you predated the decision in Spokeo , but that	
27			Mr. Solove had prepared a subsequent one after the	
28			decision, you recall saying that?	
29		Α.	Yes.	

1			MR. MURRAY: And I want you now to take a look at that	
2			note to which you referred. (SAME HANDED TO THE COURT)	
3			(SAME HANDED TO THE WITNESS)	
4			MS. JUSTICE COSTELLO: This is the subsequent note, is	
5			it?	11:25
6			MR. MURRAY: It is, Judge, yes.	
7			MS. JUSTICE COSTELLO: Thank you.	
8	34	Q.	MR. MURRAY: It wasn't put by Mr. Gallagher. He put	
9			the <i>pre</i> Spokeo note. And I just want to open some of	
10			the comments that Mr. Solove makes, can you just tell	11:25
11			the court who Mr. Solove is and what his expertise is?	
12		Α.	Yes. Professor Solove is a leading scholar in our	
13			field. He is in many or most people's opinion the	
14			highest regarded scholar of information privacy law in	
15			the United States, if not indeed the world. He is the	11:25
16			author of the leading case book and a highly prolific	
17			author who has written extensively, multiple books and	
18			many, many including the article I referred to a	
19			moment ago.	
20	35	Q.	If you can just go to the second page of that, he says:	11:26
21				
22			"The Supreme Court steps in and creates confusion. The	
23			US Supreme Court sided with <u>Spokeo</u> sort of in a rather	
24			murky and inconsistent decision. Justice Alito writing	
25			for the court delivered what reads like a lecture to	11:26
26			the Ninth Circuit attempting to school them on how the	
27			standard works. The only problem is the decision begs	
28			nearly all the important questions, states inconsistent	
29			rules and fails to provide any test or clear guidance."	

1			
2		And if you then turn	
3		MS. JUSTICE COSTELLO: Sorry, where is?	
4		MR. MURRAY: Judge, I am terribly sorry.	
5		MS. JUSTICE COSTELLO: I think I may have skipped a	11:26
6		page.	
7		MR. MURRAY: If you go to the second page.	
8		MS. JUSTICE COSTELLO: Yes, I know, but when I go from	
9		that page to the next page I have, it says "so let's	
10		see what the court teaches us".	11:26
11		MR. MURRAY: Unfortunately your copy isn't paginated	
12		the same it should be actually on the same page.	
13		"So let's see what the court decided"?	
14		MS. JUSTICE COSTELLO: Oh, yes. No, I better hand it	
15		down and get another one. Because I have "let's see	11:27
16		what the court teaches us".	
17		MR. MURRAY: Okay. Sorry about that, Judge. (SAME	
18		HANDED TO THE COURT)	
19		MS. JUSTICE COSTELLO: Thank you.	
20	36 Q.	MR. MURRAY: So there is, hopefully on the next page,	11:27
21		Prof. Richards, I don't want to spend too much time on	
22		this, but Prof. Solove says:	
23			
24		"Well, you know, the Supreme Court seemed to be saying	
25		at one point Congress has created a cause of action,	11:27
26		therefore it has defined what harm is and it can do	
27		so."	
28			
29		And then he says: "But, no, not so fast." "The court	

states", do you have that passage? Yes:

"The court states that Congress' role in identifying and elevating intangible harms does not mean that a plaintiff automatically satisfies the injury in fact requirement whenever a statute grants a person a statutory right and purports to authorise that person to sue to vindicate the right. Article III standing requires a concrete injury, even in the context of a statutory violation. For that reason Robbins could not, for example, allege a bare procedural violation divorced from any concrete harm and satisfy the injury in fact requirement of Article III."

And then he continues: "So Congress has the power to 11:28 deem intangible harms to be concrete injuries except when it can't. A bare procedural violation of a statute doesn't seem to be enough. There must be concrete injury. But in FCRA, that's the statute, Congress plainly created a provision to allow people to 11:28 sue for violations in FCRA. So by the plain language of the statute, something many of the Supreme Court iustices strongly defer to, Congress seemingly declared there was a concrete injury whenever any requirement of the statute was violated. That's why Congress wrote in 11:28 the statute Plaintiffs could sue when there is a failure to comply with <u>any</u> requirement of FCRA. Congress had thought the violation of only some FCRA requirement were concrete injuries then it would

probably have written the law to say that, but the court held either that Congress didn't mean what it said or that Congress' power to define concrete injuries is limited in some way."

11:28

And then he proceeds to consider the judgment and says, after No. 2: "Okay, I'm getting a bit confused here. So a mere violation of a procedural right can be sufficient for concrete injury without any additional harm, but the court said just a few paragraphs earlier that a bare procedural violation divorced from any concrete harm cannot constitute concrete harm, thus we need to distinguish when a violation of a procedural right is a concrete injury and when it isn't. One way to distinguish it is to defer what Congress has written that Congress has the power to elevate harm that are ordinarily insufficient to be concrete injuries and deem them as such, but no.

11:29

11:29

In FCRA Congress created a cause of action when any requirement of FCRA was violated so Congress has expressly allowed people to sue for violation of the FCRA requirements but when they get to court they might be turned away because only some violations of FCRA requirements are viable, despite what Congress said. Essentially Congress gave the right to sue but sometimes there might be no place to hear the suit." And then he comments about that.

1
_
^
Z

And then finally he says, he goes, he refers to the preamble, and he explains what the problem was in the case, and this is midway down the following page, do you have that, Prof. Richards?

11:30

11:30

"In FCRA's preamble, Congress issued its findings under a heading called 'Accuracy and fairness of Credit Reporting'. What happened to fairness? Congress also decided that the purpose of FCRA is to require that consumer reporting agencies adopt reasonable procedures for meeting the needs of commerce for consumer credit, personnel, insurance and other information in a manner which is fair and equitable to the consumer with regard to confidentiality, accuracy, relevancy and proper utilisation of such information in accordance with the requirements of the subchapter. What happened to fair

11:30

11:30

Spokeo's complaints were actually about accuracy 11:30 ironically but the court then supplies an example where inaccuracies might not cause harm. In addition."

and equitable to confidentiality, to relevance?

They quote then, this is the zip code, I think: "All the inaccuracies cause harm or present a material risk of harm. An example that comes readily to mind is an incorrect zip code. It is difficult to imagine how the dissemination of an incorrect zip code without...(as read)...concrete harm. So do we get a test for when

1 Congress is allowed to deem a violation of a statute a 2 concrete injury and when it has gone too far? No. 3 just get these two examples." 4 5 And then over the page, just the last thing I want to 6 draw your attention to, at the end of the page he said 7 this: 8 "when Congress deems something to be a concrete injury, 9 the court should respect the will of Congress. 10 The 11:31 11 entire reason for the concrete injury requirement is a 12 separation of powers, of protection of Congress against encroachment by the courts. But the **Spokeo** decision 13 14 usurps Congress' power curtailing its ability to define 15 concrete injury. So now for concrete injuries maybe 11:31 16 we'll know them when we see them or, to be more 17 precise, we'll know them when the courts can imagine I need to stop thinking about **Spokeo**. 18 19 straining my imagination and now I have a concrete 20 injury headache." 11:31 21 22 So would you like to just comment on what Prof. Solove 23 says there about the uncertainty arising from the decision and its implications to what you were 24 addressing in response to Mr. Gallagher's guestions? 25 11:32 I should add that I was aware of this source when 26 Α. Yes.

I was preparing my report, but I decided not to cite it

because it is, though substantive, it is humorous.

I think it makes a very important substantive point

27

28

29

which is that the <u>Spokeo</u> decision, by purporting to clear up the requirements for Article III standing by giving some additional detail to the concreteness requirement, actually created as a logical matter further confusion that will necessarily result in confusion in the lower courts until ultimately the Supreme Court is required to step in and resolve the confusion.

11:32

11:32

11:33

11:34

And this is particularly problematic because standing doctrine has never, at least in my experience as a lawyer and an academic, been a clear doctrine, as I explained in my report. I explain criticisms of it in my report and as I explained in my testimony on Monday.

O. Now can I ask you, just before we leave <u>Spokeo</u>, to go, Prof. Richards, to Justice Ginsburg's partial dissent where she just explains her interpretation of the facts in the light of the holding by the court. It's towards the end of Tab 35 and if you could look at page 3 of her opinion. There is a paragraph which begins "I part ways with the court":

"I part ways with the court, however, on the necessity for a man to determine whether Robbins' particularised injury was 'concrete'. Judged by what we have said about 'concreteness', Robins' allegations carry him across the threshold. The Court's opinion observes that time and again, our decisions have coupled the

1	words 'concrete and particularized'."	
2		
3	And she refers to cases that Mr. Gallagher put to you	
4	and she then says: "True, but true too, in the four	
5	cases cited by the Court, and many others, opinions do	11:34
6	not discuss the separate offices of the terms 'concrete	
7	and particularised'."	
8		
9	And he then sorry, she then just talks about the	
10	court's decision in the next paragraph and in the last	11:34
11	sentence of it she says of Mr. Robins:	
12		
13	"He seeks redress not for harm to the citizenry, but	
14	for Spokeo's spread of misinformation specifically	
15	about him."	11:34
16		
17	And can I ask you to turn over to the next page in the	
18	second paragraph, she says:	
19		
20	"Robins would not qualify, as the Court observes, if he	11:34
21	alleged a 'bare' procedural violation, one that results	
22	in no harm, for example, 'an incorrect zip code'. Far	
23	from an incorrect zip code, Robins complains of	
24	misinformation about his education, family situation,	
25	and economic status, inaccurate representations that	11:35
26	that could affect his fortune in the job market."	
27		
28	She then quotes from an amicus brief: "'Spokeo's	
29	inaccuracies bore on Robins' ability to find employment	

Т			by creating the erroneous impression that he was	
2			overqualified for the work he was seeking, that he	
3			might be unwilling to relocate for a job due to family	
4			commitments, or that his salary demands would exceed	
5			what prospective respective employers were prepared to	11:35
6			offer him'."	
7				
8			Now I just want you to bear that in mind,	
9			Prof. Richards, and to go back to the Nickelodeon case	
10			which Mr. Gallagher spent a little time on Monday.	11:35
11				
12			This was a decision of the Second Circuit handed down	
13			in June last year. Sorry, incidentally, you said	
14			fairly to the judge that you had not read this	
15			decision, have you seen a reference to this decision in	11:36
16			Prof. Vladeck's report?	
17		Α.	I have not.	
18	38	Q.	Yes. Or in anywhere in the undergrowth of	
19			Prof. Swire's report?	
20		Α.	Not that I recall.	11:36
21	39	Q.	In fact <u>Spokeo -v- Robins</u> was a decision of the United	
22			States Supreme Court dealing with standing in data	
23			breach cases, did either Prof. Vladeck or Prof. Swire,	
24			insofar as you can recall, reference Spokeo in their	
25			reports to the court?	11:36
26		Α.	Not that I can recall.	
27	40	Q.	I see. Now have you had an opportunity now to look at	
28			this case since it was furnished to you on Monday?	
29		Δ.	T have.	

1	41	Q.	Yes. And this was a class action brought on behalf of	
2			children under 13 who had used a website associated	
3			with the Nickelodeon television channel. I think the	
4			complaint was that Nickelodeon had harvested	
5			information about the users' internet use, the	11:37
6			children's internet use, which was then being provided	
7			to third parties, is that a fair summary of your	
8			understanding of the case?	
9		Α.	That's correct.	
10	42	Q.	Yes. And it was in that context that the issue arose	11:37
11			as to whether there had been Article III standing	
12			established, is that so?	
13		Α.	That's correct.	
14	43	Q.	Yes. And this was in breach of statute; is that	
15			correct?	11:37
16		Α.	Yes.	
17	44	Q.	Yes. So if I can ask you to turn just to the	
18			consideration of page 10 of the ruling. On the	
19			right-hand side of the page under footnote 50, it say:	
20				11:37
21			"The defendants assert that Article III standing is	
22			lacking in this case because the disclosure of	
23			information about the plaintiffs' online activities	
24			does not qualify as an injury in fact. Google rejected	
25			a similar argument stating that, when it comes to laws	11:38
26			to protect privacy, a focus on economic loss is	
27			misplaced."	
28				
29			That's the Ninth Circuit	

1	Α.	I am sorry, this is page 10, you said?	
2		MS. JUSTICE COSTELLO: Yes, sorry, I am in trouble too.	
3		MR. MURRAY: Okay, sorry. We're looking at different	
4		versions of the judgment. I wonder	
5		MS. JUSTICE COSTELLO: If we hand them back and you can	11:38
6		find them.	
7		MR. MURRAY: Well if Mr. Gallagher's solicitors had	
8		copies of the this is the one that was given to the	
9		court and to the witness.	
10		MR. GALLAGHER: Judge, if I can help, do you see	11:38
11		Article III standing (a)?	
12		MR. MURRAY: Sorry, that's very helpful, Mr. Gallagher.	
13		I'll be able to cross reference it, Judge, thank you.	
14		MR. GALLAGHER: There is a heading and it's a few	
15		paragraphs down from that.	11:38
16		MR. MURRAY: If you turn to page 7 of the document.	
17		MS. JUSTICE COSTELLO: Sorry, 7, I was on 10.	
18		MR. MURRAY: No, because I referred you to 10, I was	
19		looking at a different version, Judge, if you look at	
20		page 7.	11:38
21		MS. JUSTICE COSTELLO: Yes, Article III standing.	
22		MR. MURRAY: Then under footnote 50.	
23		MS. JUSTICE COSTELLO: Yes, thank you.	
24	45 Q.	MR. MURRAY: No, no, thank you: "The defendants assert	
25		that Article III standing is lacking in this case	11:38
26		because the disclosure of information about the	
27		plaintiffs' online activities does not qualify as an	
28		injury in fact. Google rejected a similar argument"?	
29			

1			And that was a decision of the same circuit in an	
2			earlier case, I think perhaps a pre <u>Spokeo</u> case?	
3		Α.	I believe so.	
4	46	Q.	The <u>Google</u> case.	
5		Α.	I believe almost by definition, because this case was	11:39
6			decided in June of 2016, and Spokeo had just come down.	
7	47	Q.	Yes: "Google had rejected a similar argument",	
8			effectively the court was now looking to see if Google	
9			was going to stand, the Supreme Court having in the	
10			intervening time decided <u>Spokeo</u> :	11:39
11				
12			"Instead, in some cases - the court continued - an	
13			injury-in-fact 'may exist - may exist - solely by	
14			virtue of statutes creating legal rights, the invasion	
15			of which creates standing'."	11:39
16				
17			Now I think it's correct to say, Prof. Richards, that	
18			Spokeo was a case involving a statute that created a	
19			legal right which was invaded?	
20		Α.	That's correct.	11:39
21	48	Q.	Yes: "Applying this principle other courts have found	
22			standing in cases arising from allegedly unlawful	
23			disclosures similar to those in issue here", he says.	
24				
25			If you then ask can move to paragraph yes, if you	11:40
26			can go under footnote 56, which is on page 8, and what	
27			was said here was this, under footnote 56:	
28				
29			"In doing so - and this is discussing the Supreme	

Court's judgment in <u>Spokeo</u> - the Supreme Court	
explained that the Ninth Circuit erred in its standing	
analysis by focussing only on whether the plaintiff's	
purported injury was 'particularized' without also	
assessing whether it was sufficiently 'concrete'. In	11:40
reaching this conclusion, the court noted that even	
certain kinds of 'intangible' harms can be 'concrete'	
for the purposes of Article III. When evaluating	
whether such a harm qualifies as an injury-in-fact,	
judges should consider whether the purported injury	11:40
'has a close relationship to a harm that has	
traditionally been regarded as providing a basis for a	
lawsuit in English or American courts'. Congress's	
judgment on such matters is 'also instructive and	
important', meaning that Congress may 'elevat[e] to the	11:40
status of legally cognizable injuries concrete, de	
facto injuries that were facto previously inadequate in	
7aw'."	
Now this concept of close relationship to a harm which	11:41
has been traditionally regarded as providing the basis	
for English or American, or claims in English or	
American law, and Mr. Gallagher asked you about this at	
the beginning of your cross-examination; what in your	
opinion, and this is a matter I think you have studied,	11:41
what in your opinion is the relationship between	

protections against harm?

interferences with data privacy, again to use the

phrase that was put to you on Monday, and common law

1		Α.	So I would say two things. First, I think it's	
2			important when reading this in a non-United States	
3			court to give some meaning to the court's use of the	
4			phrase "English" here. They are referring to the	
5			common law prior to the American revolution. And one	11:42
6			of the first things that American courts did, American	
7			legislatures did upon receiving or at least asserting	
8			independence was to incorporate the common law of	
9			England or chunks of the common law of England into the	
10			new law of the new United States. So that is a	11:42
11			reference to the pre-revolutionary English common law.	
12				
13			In practice it usually means a reference to Blackstone	
14			which is usually considered by the American courts,	
15			including the Supreme Court, to be a long or at least a	11:42
16			four volume guide to the English common law	
17			contemporaneous with the revolution.	
18	49	Q.	And one of the pre-existing common law claims would	
19			have been I suppose analogous to Fourth Amendment	
20			breaches Entick -v- Carrington and unlawful searches;	11:42
21			is that correct?	
22		Α.	That's correct.	
23	50	Q.	Yes.	
24		Α.	In fact the drafters of the Fourth Amendment looked to	
25			English law and to their own experience with general	11:43
26			warrants and unreasonable searches by the Crown as	
27			requiring the necessity of a protection, a fundamental	
28			right protection against unreasonable searches and	

seizures by the state without warrants.

28

29

T	51 Q.	Once you move outside that traditional common law	
2		protection and move to the jurisprudence after the	
3		Brandeis 1890 article, the right to be let alone and	
4		the common law privacy as it evolved in the United	
5		States, intrusion into seclusion, once you move outside	11:43
6		those zones in your opinion is it easy to construct an	
7		analogy between interferences with data privacy and	
8		pre-existing common law or indeed	
9		MR. GALLAGHER: I think that's a leading question,	
10		Judge.	11:44
11		MR. MURRAY: Well how would you analogise the two,	
12		perhaps if I ask you that way?	
1 2	۸	T would say two things First T would say that oven	

A. I would say two things. First I would say that even though, and Prof. Solove and I actually have written several, at least two articles on this topic. The US 11:44 courts did not immediately recognise even tortious invasions of privacy under that mantle until, certainly in the middle of the nineteenth century and it wasn't until the work of Prof. Prosser in the 40s, 50s, 60s and early 70s that the rights were clearly established 11:44 across US jurisdictions and encoded, for instance, in the statement of facts.

But in my experience with respect to the relationship between tort rights and what we would call perhaps data 11:44 processing rights or information privacy rights, the relationship has been tenuous. One of the, perhaps *the* classic element of a tort is an injury, an injury that can be demonstrated, and the classic forms of injury

are physical or pecuniary. Under American law privacy has been conceptualised as a psychological injury and not as a dignitary injury of the sort that is my understanding that European law uses to conceptualise at least privacy and perhaps data protection as well. 11:45 And the relationship has been that it has been difficult to fit a private plaintiff tort-based physical analogue world theory of injury into a digital world, particularly where the injuries that may exist may be, even though large in the aggregate, may be 11:45 individually small and diffuse across time or across multiple potential defendants or at least injured parties.

Now there was more than a hint of criticism of you on Monday for not being aware of a number of cases that were identified but not furnished to you, do you know how many decisions since **Spokeo** was decided last May have cited the case, how many Federal Court decisions?

11:46

A. I would, I do not have precise numbers, but I would suspect that many, many cases have cited <u>Spokeo</u> for the 11:46 simple fact - I believe that Mr. Gallagher suggested that a relatively small number may have done so in the data breach context - but in the general context I would suspect that any time a Federal Court was deciding a question of standing in any area of the law, 11:46 because <u>Spokeo</u> was the Supreme Court's latest word on standing, but particularly in any case in which a Federal Court was deciding an issue of standing in which there was an allegation of standing based upon

1			the violation of a statutory injury, it would be	
2			essential to site Spokeo . So I would suspect that	
3			number would be relatively large, but I do not, to my	
4			knowledge, have information on this.	
5	53	Q.	So there is 456 cases citing it since it was decided	11:47
6			and 185 cases dealing with data privacy. Before	
7			MR. GALLAGHER: Is that evidence? I'm just not sure	
8			what the status is for that.	
9			MR. MURRAY: We will give evidence of that if	
10			Mr. Gallagher requires it, but I'm sure by the time we	11:47
11			do so the number will have increased. I'm sure	
12			Mr. Gallagher's witnesses will have read all of these	
13			cases and they will be able to provide the court with	
14			the up to date figures when they are giving their	
15			evidence, Judge, if it's of relevance to the court.	11:47
16			I don't say that it is. Mr. Gallagher thinks it is of	
17			relevance, that's why I raise it.	
18				
19	54	Q.	Before I can you ask you to look at the cases that	
20			Mr. Gallagher told you about but didn't show to you,	11:48
21			Prof. Richards, is there anything else you wish to stay	
22			about the Nickelodeon case which you have now had an	
23			opportunity I think to read?	
24		Α.	I would say that, and this is a blank copy rather than	
25			the marked-up copy that I have looked at, I believe	11:48
26			that the injury that was being discussed, that the	
27			court used a particular phrase of "disclosure of a	
28			legally protected interest". To my mind that seemed	

rather circular to the **Spokeo** analysis. Because a

1			legally protected interest would be one that the law or	
2			that Congress has recognised, but that would merely	
3			require one to ask the <u>Spokeo</u> question all over again	
4			about concreteness. Since Spokeo , whilst it was not	
5			clear about some things, did appear to be clear,	11:48
6			Justice Ginsburg points out first that concreteness now	
7			does appear to be a separate element of the standing	
8			inquiry in some contradistinction to prior cases on	
9			this point; and, second, that courts now have a test	
10			that they would need to apply in order to go through	11:49
11			this analysis.	
12	55	Q.	Just in that regard, if you look at paragraph - sorry,	
13			the text just below footnote 62, which in fact is on	
14			page 8, the last sentence there:	
15				11:49
16			"Google noted that Congress has long provided	
17			plaintiffs with the right to seek redress for	
18			unauthorised disclosures of information that, in	
19			Congress's judgment, ought to remain in private."	
20				11:49
21			And in relation to the breach of which Mr. Robins	
22			complained in the <u>Spokeo</u> case, was that a matter for	
23			which Congress had provided a remedy?	
24		Α.	I would say that the breach of which Mr. Robins had	
25			complained, Congress had no tradition of providing a	11:50
26			specific remedy. The difficulty in that case was there	
27			was a general remedy for all violations of procedural	
28			and substantive rules in a statute.	
29	56	Q.	Yes. But there was a remedy	

- 1 A. There was a remedy, yes.
- 2 57 Q. -- prescribed by Congress?
- 3 A. There was.
- 4 58 Q. Yes, now I'm going to hand you up, you were referred by
- 5 Mr. Gallagher to four cases. He did, I should correct 11:50
- 6 myself, he did provide you with one additional case,
- 7 which was the **Syed** case, that was also a case under the
- 8 Fair Credit Reporting Act decided on 20th January, a
- 9 month ago, by the Ninth Circuit where it was decided
- that there was standing under **Spokeo** to bring a
- 11 particular category of Fair Credit Reporting Act claim,

11:50

11:50

11:51

- it's a very short judgment. Is there any comment you
- wish to make on it having had an opportunity to review
- it, Prof. Richards?
- 15 A. I have not reviewed **Syed**. I was unclear about the
- rules during my gap and that I wasn't sure if I was to
- 17 allowed to look at the transcripts of oral arguments
- 18 because there might be concerns that I would, that a
- 19 witness might adjust one's testimony. So I have not
- looked at the transcript.
- 21 59 Q. Okay.
- 22 A. So whilst I remember **Nickelodeon**, which is a television
- channel in America, I did not remember the name of this
- case.
- 25 60 Q. All right. Well I'm going to ask you to pass from that 11:51
- because it is, as I said, a very short ruling, I'm
- going to ask you to look at three other cases which
- 28 Mr. Gallagher identified: <u>Moody -v- Ascenda</u>, <u>Hillson</u>
- 29 <u>-v- Kelly</u> and <u>Adams -v- Fifth Third Bank</u> (SAME HANDED

Т			TO THE COURT) (SAME HANDED TO THE WITNESS). YOU WON T	
2			have seen these, Prof. Richards. Now, I'm going to ask	
3			you to look first at the Adams case please. Sorry,	
4			excuse me, I'm going to ask you to look first at the	
5			Moody -v- Ascenda case, Prof. Richards.	11:52
6				
7			This is a decision from the District Court for the	
8			Southern District of Florida decided on 10th October.	
9			In fact there were two decisions of that name on that	
10			day, but I think this is the one referred to. Both of	11:52
11			them concerned plaintiffs who sued because the	
12			defendants had procured consumer reports about them	
13			without complying with the relevant protections under	
14			the FRCA, is that FCRA, excuse me.	
15		Α.	FCRA.	11:53
16	61	Q.	Sorry, my mistake. And is that a type of cause of	
17			action of which you have heard before or complaint that	
18			you have heard before?	
19		Α.	I'm sorry, I got tripped up by the name of the statute.	
20	62	Q.	Yes, I am sorry. So they are both suing because they	11:53
21			complained the defendants procured consumer reports	
22			without complying with provisions in the Fair Credit	
23			Reporting Act?	
24		Α.	Yes. The FCRA, or FCRA [phonetics], or the Fair Credit	
25			Reporting Act places restrictions upon the ability to	11:53
26			access credit reports.	
27	63	Q.	Now, in dealing with the issue of standing, and	
28			standing was, as Mr. Gallagher suggested, held to be	
29			found in that case; the court engaged in some	

1 discussion of the extent to which there was a split in 2 the circuits on this issue. And this was again a case 3 where the plaintiff had a complaint of a breach of the statute, the same statute as in **Spokeo**, but the 4 question is whether the particular injury asserted 5 11:54 6 there was sufficient to generate Article III standing. 7 8 And if you look, Prof. Richards, on page 4, on the right-hand side of the page you'll see the court says: 9 "The court recognizes the split in persuasive authority 11:54 10 11 as to this issue." And it starts off Meza -v- Verizon. 12 MS. JUSTICE COSTELLO: Sorry, which paragraph is this? 13 MR. MURRAY: I am terribly sorry, Judge, page 4 on the 14 right-hand side of the page there's a paragraph that 15 begins "The Court". 11:54 MS. JUSTICE COSTELLO: 16 Yes. 17 MR. MURRAY: Excuse me, Judge, I'm sorry: "The Court recognizes the split in persuasive authority as to this 18 19 issue. Compare Meza -v- Verizon (holding that 20 Plaintiff 'adequately alleges two concrete injuries (an 11:54 21 informational injury and a privacy invasion) through violations of the relevant statutes'." 22 23 Then a second case **Perrill -v- Equifax**: "('Considering 24 this history and Congress's judgment, the Court finds 25 an invasion of privacy within the context of the FCRA 26 27 constitutes a concrete harm that meets the 28 injury-in-fact requirements. The Court is not alone in

this holding.) (Citing cases)."

1	Then he is asking you to compare those with the	
2	following:	
3		
4	" <u>Smith -v- Ohio State</u> , holding that plaintiffs who	
5	allege their privacy rights were invaded and they were 11:	55
6	misled as to their FCRA rights as a result of the	
7	defendant's alleged FCRA breaches did not suffer an	
8	injury-in-fact because they did not suffer a concrete	
9	consequential damage."	
10		
11	And Fisher -v- Enter Holdings : "Holding that	
12	allegations that a prospective employer violated the	
13	FCRA by obtaining a consumer report without giving	
14	plaintiff proper notice is not a concrete injury	
15	because 'all plaintiff alleges is that the disclosure 11:	55
16	did not comply with the statute'.	
17		
18	However, upon careful consideration, the Court is	
19	persuaded by the reasoning of the cases which have	
20	found the Spokeo standing requirement satisfied in this 11:	55
21	case."	
22		
23	And then they refer to a decision of the Eleventh	
24	Circuit in which the Eleventh Circuit had held that, in	
25	relation to the same types of provisions, that there	55
26	was Article III standing.	
27		
28	So do you have any observation to make in reference to	
29	the comments there about the splits between the	

different circuits and different courts in relation to
whether this breach of data rights creates Article III
standing, Prof. Richards?

well, students will sometimes come to me with a similar Α. question on standing doctrine, either in class or my 11:56 office, and I will tell them the same three words each time which is 'welcome to standing'. This is a general problem with, as I talk about in my report, the indeterminacy of standing doctrine past the three elements that can be clearly stated and the subparts 11:56 now to injury-in-fact. And this split in authority, as courts try to work out what **Spokeo** means, perhaps experiencing some of the analytical difficulty that Prof. Solove had in explicating what **Spokeo** actually held and what the consequences of that are for 11:57 concrete - sorry, for particular cases - I'm not surprised by this.

18

19

20

21

22

23

4

5

6

7

8

9

10

11

12

13

14

15

16

17

In fact it has been my impression, as someone who follows the law, that the courts were in some confusion 11:57 on this point. But I did not think it was necessary to read all of those cases in order to give that testimony to this court.

11:57

24 64 Q. Okay.

25 A. And this is a confirmation of my belief.

26 65 Q. The next case that Mr. Gallagher referred to in this 27 context is <u>Hillson -v- Kelly</u>, I'm going to ask you to 28 look at that, a decision of the US District Court for 29 the Eastern District of Michigan handed down on 23rd

1	January and this again is a Fair Credit Reporting Act	
2	case.	
3		
4	Here again standing Article III standing was found, but	
5	can I ask you to look on page 3 paragraph No. 4 and	:57
6	here the court says:	
7		
8	"Given the guidance in <u>Spokeo</u> , the court is concerned	
9	about whether the plaintiffs and the class they seek to	
10	represent have suffered a 'concrete' injury. (This	:58
11	case was at one point stayed pending the decision in	
12	Spokeo). As noted, Plaintiffs here allege that Kelly	
13	violated the statute by including both a waiver and a	
14	disclaimer in a form that should have only disclosed	
15	that Kelly would procure a consumer report for	:58
16	employment purposes and sought authorization to do so.	
17	Plaintiffs' claim, however, is not that Kelly's	
18	inclusion of the waiver and disclaimer in the form	
19	caused them to not understand the disclosure. Nor do	
20	they claim that, in signing the form, they did not	
21	understand that they were authorizing Kelly to obtain	
22	their consumer report. Indeed, in their motion for	
23	preliminary approval, Plaintiffs acknowledge that there	
24	is no 'indication, or any plausible scenario, in which	
25	members of the Settlement Class suffered actual	
26	damages'.	
27		
28	So the jurisdictional question before the court reduces	

itself to this: under circumstances where the

1 Plaintiffs were not (by their own admission) actually 2 damaged, is an alleged violation of the standalone 3 disclosure requirement of the statute a claim of a 'bare procedural violation' that is not 'concrete' 4 5 enough under **Spokeo**? Or does it constitute concrete, 11:59 6 intangible harm? The Sixth Circuit has not answered 7 this question - he says - and the courts are divided." 8 And he then goes through quite a lengthy discussion of 9 the view taken by different courts in different 10 11:59 11 jurisdictions. And if you go over the page to page 4 12 paragraph 5, it says, having referred to a case **Thomas** -v- FTS where standing was found: 13 14 15 "Faced with facts similar to those in **Thomas** the court 11:59 16 in **Shoots** reached a different conclusion regarding the 17 concreteness of the plaintiff's injury. Shoots claimed that the defendant had violated, again the same 18 19 statute, by including extraneous information. Although acknowledging the Supreme Court's decision." 20 12:00 21 22 And he refers to a number of standing cases: "The court found unpersuasive the claim that he had suffered 23 24 informational or privacy injury sufficient for Article III standing. Regarding the claimed privacy injury, 25 12:00 the court explained that had Shoots alleged the 26 27 extraneous information in the form 'confused him in 28 some way', or that the background check 'had directly

harmed' him, 'a case could be made'."

But he hadn't alleged either of those things and they continue in that vein.

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

1

2

And the third case, and I'll just let the stenographer change. The third case, Adams -v- Fifth Bank, this is 12:00 a decision of the United States District Court for the Western District of Kentucky which apparently you should've read, which was decided on 10th February. And I'll ask Mr. Young to hand up a copy of that to you. And this was also a case under the Fair Credit 12:01 Reporting Act. And I think you will see similarly there, the court acknowledged - and if you turn to page two you will see this -- sorry, page three, and it's page three the second paragraph on the right-hand side - a consideration of *other* approaches adopted in 12:01 different districts and in one case, I think, circuit as to whether similar claims could generate Article III standing.

1920

21

22

23

24

25

26

27

28

29

So could you perhaps -- I'm sorry, there's one final
authority, which Mr. Gallagher did not refer to, but
which I think gathered these together, which is called
Beck -v- McDonald (Same Handed). This is a decision of
the Fourth Circuit from earlier this month, 6th
February. And here the plaintiffs' data was stolen and
they sought to mount a claim -- I think they were
veterans. Data, sensitive personal data was stolen and
they sought to advance a claim that they had standing
because of an increased risk of identity theft caused

1			by that breach, and again it was a breach of the	
2			relevant statute. In that case, standing are you	
3			familiar with this type of an issue? You, I'm sure,	
4			haven't read the	
5		Α.	I'm actually familiar with this case. When	12:03
6			Mr. Gallagher asked me to name the title of a case on	
7			Monday, the name of the case slipped my mind, but the	
8			fact that it was Judge Diaz, who was a District judge	
9			sitting by designation and that the court had examined	
10			<u>Spokeo</u> . But that was not responsive to the question.	12:03
11	66	Q.	Sorry, you're quite right; yes, you did refer to a	
12			judgment of Circuit Judge Diaz, although you didn't	
13			refer to it by name.	
14		Α.	District judge. She is occasionally, to fill out	
15			vacancies on appellate panels	12:03
16	67	Q.	I see.	
17		Α.	trial judges will sit by designation in different	
18			circuits as appellate judges. And that's what happened	
19			here.	
20	68	Q.	So if you could just explain to the court then what	12:03
21			issue presented itself here and what the conclusion	
22			was?	
23		Α.	I read this case some time ago. I do recall that the	
24			court did examine <u>Spokeo</u> , but beyond that, without	
25			refreshing my recollection, I wouldn't want to	12:04
26	69	Q.	Very good. Well, let's just look then	
27		Α.	say more.	
28	70	Q.	Prof. Richards, to page six. And there's a	
29			discussion here of <u>Clapper</u> . It explains - and this is	

1 on the right-hand side, the second paragraph -2 "Clapper's discussion of when a threatened injury 3 constitutes an Article III injury-in-fact is 4 controlling here. Before explaining why, we address 5 12:04 6 the plaintiffs' contention that the District Court misread Clapper to require a new, heightened burden for 7 8 proving an Article III injury-in-fact. contrary, Clapper's iteration of the well established 9 tenet that a threatened injury must be 'certainly 10 12:04 11 impending' to constitute injury-in-fact is hardly nove1." 12 13 14 Then they say: 15 12:04 16 "We also reject the plaintiffs' claim that 'emotional 17 upset' and 'fear [of] identity theft and financial fraud' resulting from the data breaches are adverse 18 19 effects sufficient to confer Article III standing. That assertion reflects a misunderstanding of the 20 12:05 21 Privacy Act and is an extension of **Doe -v- Chao**". 22 MS. JUSTICE COSTELLO: I think it says "overextension". Excuse me, Judge, "an overextension of **Doe** 23 MR. MURRAY: -v- Chao." The court then proceed today consider the 24 increased risk of identity theft arising from the 25 12:05 26 breaches. And if you'd turn to page ten - and I'm

sorry, Judge, that it's taken me a little bit longer

than I'd like, I have been working from a different

version to the one you've been given - if you go to

27

28

1	page eight and at the very top, the second full	
2	paragraph:	
3		
4	"The Plaintiff's counter that there is 'no need to	
5	speculate' here because they have alleged - and in the	12:06
6	Beck case the VA's investigation has concluded - that	
7	the laptop and pathology reports had been stolen. We	
8	of course accept this allegation is true. But the mere	
9	theft of these items without more cannot confer Article	
10	III standing."	12:06
11		
12	And they then proceed to explain how they are being	
13	invited to engage in the same attenuated chain of	
14	possibilities as was referred to by the court in	
15	<u>Clapper</u> . And at the bottom of the page they say:	12:06
16		
17	"The Plaintiffs insist that the District Court require	
18	them to show 'concrete evidence that [their] personal	
19	information had already been misused', thus forcing	
20	someone in their possession 'to wait for the threatened	12:06
21	harm to materialise in order to sue'. We disagree.	
22	The district court sought only to hold the Plaintiffs	
23	to their respective burdens to either 'plausibly plead'	
24	factual allegations or 'set forth particular	
25	evidence'."	
26		
27	And proceeded then to say that:	
28		
29	"The Plaintiffs allege that: (1) 33% of health-related	

1 data breaches result in identity theft; (2) the 2 Defendants expend millions of dollars trying to avoid 3 and mitigate those risks." 4 5 And so forth. And in the next paragraph it's 6 explained: 7 8 "These allegations are insufficient to establish a 'substantial risk' of harm. Even if we credit the 9 Plaintiffs' allegation that 33% of those affected by 10 11 data breaches will become victims of identity theft, it follows that over 66% of veterans affected will suffer 12 This statistic falls far short of 13 no harm. 14 establishing a 'substantial risk'." 15 16 And they then quote authority following -- applying 17 Then if you go over the page, where they deal with the cost of -- sorry, just over the next column. 18 19 "The Plaintiffs' other allegations fare no better", 20 that's at the top, still on page nine, where they're 12:07 21 dealing with the same allegation. They say: 22 23 "Contrary to some of our sister circuits, we decline to 24 infer a substantial risk of harm of future identity theft from an organisation's offer to provide free 25 26 credit monitoring services to affected individuals. To 27 adopt such a presumption would surely discourage 28 organizations from offering these services to data-breach victims." 29

So from that, I suppose, very short survey of cases, one of which you referred to and the others of which were referred to by Mr. Gallagher, Prof. Richards, what would you say, or what would you conclude the state of federal standing law on data breach cases is?

A. I would conclude that it is uncertain and there is uncertainty about what constitutes harm, in particular how to reconcile the answer to what constitutes harm with the injury-in-fact doctrine, particularly the injury-in-fact subpart of standing doctrine,

particularly in light of recent Supreme Court

developments.

When I was drafting my report, I was trying to think of 12:08 a way to bring some analytical clarity to an area of law that is practically confused and frequently criticised, not just for its indeterminacy, but as I note in my report, for allegations - which I do not make in my report - but allegations that the justices 12:09 are -- or courts have the ability to use standing doctrine to avoid deciding cases on the merits.

12:08

12:09

What I would say is that, in direct response to Mr. Murray's question, is that the state of the law after **Spokeo** is exactly as I would've imagined it to be having read **Spokeo** and followed this not at a granular, reading every case level, as I explained on Monday, but at a slightly higher level of abstraction.

1	71 Q.	Well, Mr. Gallagher put it to you on Monday that if you	
2		can establish that your information was used or	
3		disclosed or interfered with, you automatically have	
4		standing. And you said that wasn't true. Now, could	
5		you explain why that is so?	12:10
6	Α.	Well, I think for some of the reasons that we have seen	
7		in these cases. What I believe I said on Monday and	
8		what I say in my report, what I tried to maintain was	
9		that what is important is that the elements of standing	
10		doctrine be satisfied. And that is the standard by	12:10
11		which courts must determine these cases. And that	
12		requires a showing of injury-in-fact, of actual harm,	
13		of concrete and now particularised injury,	
14		redressability and causation. And I think it is	
15		difficult to reduce standing to a proposition that is	12:10
16		more simple than that.	
17	72 Q.	Mr. Gallagher also put it to you that the Nickelodeon	
18		and ACLU/Clapper cases had held that the interference	
19		with the data constituted harm. Is that a correct	
20		interpretation of those decisions in your view?	12:11

- A. Based upon my reading of them to date, it is not.

 22 73 Q. And why do you say that?
- Because interference alone and again I'm still 23 Α. 24 somewhat unclear about what interference means - but as I understand interference, it means any accessing of 25 12:11 the data cannot be enough under current doctrine, that 26 some finding of injury-in-fact, which courts in privacy 27 cases in particular often equate to the word "harm", 28 29 must also be found. But at a minimum, I think it is

- clear that under the Supreme Court's governing and, I
 think, universally agreed test that injury-in-fact must
 be required. And that merely begs the question which
 we have perhaps regrettably been begging for quite some
 time in these proceedings about what injury-in-fact in
 practice actually means.
- 7 74 Q. He also put it to you that <u>ACLU -v- Clapper</u> and
 8 <u>Nickelodeon</u> both established that mere *access* to the
 9 data constitutes harm. Is that your interpretation of
 10 the law?

12:12

- 11 A. That is not my interpretation of the law of standing, 12 for similar reasons to ones which I've just given.
- He also referred towards the end of the afternoon on 13 75 Q. 14 Monday to what he described as three well recognised 15 It's not entirely clear to us what these remedies. 12:12 were, but we think the reference was to use, disclosure 16 17 or collection. And he put it that standing is not a problem, he said, in relation to those three remedies. 18 19 Now, in fairness, just to be clear, Mr. Gallagher was 20 saying subtract the issue of notice from this and 12:12 21 assume that people are aware that there has been use, 22 disclosure or collection. From your analysis of the US locus standi law and Article III law, can it be said 23 24 simply that if there's been use, disclosure or collection that there would be standing? 25 12:13 26 MR. GALLAGHER:

MR. GALLAGHER: Judge, I object to that question. That was put in the context of government surveillance. And Mr. Murray is now putting it in a different context and misrepresenting what I said.

27

28

1	76 Q.	MR. MURRAY: No, I accept that. And I hadn't	
2		intended (To Witness) I should've made it clear	
3		Mr. Gallagher asked the questions, you will recall, in	
4		the context of national surveillance. So in that	
5		context, could you address the question of standing	12:13
6		for he describes the three remedies and I think he	
7		was referring to use, disclosure or collection.	
8		MR. GALLAGHER: Judge, he described it, he answered it	
9		and he agreed with it. Now he's being cross-examined	
10		on it. And that's not the purpose of re-examination.	12:13
11		He's not entitled to do that.	
12		MR. MURRAY: Judge, it wasn't even clear what question	
13		was being asked. And I think in fairness to everybody,	
14		including the court, we need a clear record of what	
15		exactly the witness' position is. It was a very - and	12:14
16		I don't mean this in any critical way - but there was a	
17		confusing cross-examination towards the end, with a	
18		wide range of terms being used - "interference",	
19		"access", "data breaches" - and I think the court needs	
20		clarity on what exactly the witness' position, is in my	12:14
21		respectful submission	
22		MS. JUSTICE COSTELLO: Well, perhaps if we break it	
23		down into the three points. If you put what was put to	
24		him on Monday from the transcript, if you can access	
25		that, and his answer and then maybe break it down, if	12:14
26		that's what you're seeking to deal with.	
27	77 Q.	MR. MURRAY: Yes, thank you, Judge. (To Witness) So	

it's page 135. What Mr. Gallagher put to you was this:

"In the context" - and this is on line 12 - "In the

28

context of three of the well recognised remedies" - and this is the question - "standing is not a problem provided you have notice or other information that establishes the interference." And your response to that question, in fairness, was that: "I would never say that standing is not a problem." And there was a debate between you and Mr. Gallagher about the effect of Clapper and notice and so forth.

Just in relation to these three well recognised remedies, on the assumption that they are - and we can deal with them sequentially; use, disclosure or collection - that standing, as the question was put by Mr. Gallagher, is not a problem provided you have notice?

12:15

12:15

12:15

12:16

A. I would say with respect to collection - and this relates to the distinction that I attempted to draw on Monday to collection of the contents of telephone calls and collection of the contents of e-mails and collection of other kinds of data that are either broader or newer in technological origin than those - that what one needs to establish is the violation of a legally protected interest such that injury-in-fact, harm, an actual injury that is concrete. And that would require one to run through the standing test. And I would suggest that for collection, it is not

I do wish to be clear, lest my evidence be

clear that that is necessarily the case.

misconstrued, that I am not at all saying that it is impossible. It is my position, as I point out in the report, that there will be cases in which standing is going to be found. But my report and my evidence as I intend to give it in these proceedings is that standing 12:17 is omnipresent - I believe Prof. Vladeck refers to it as placing substantial obstacles in the path of plaintiffs. And to be clear, as I understand the experts' note, there is no disagreement amongst the experts about the elements of standing or the fact that 12:17 standing will sometimes be available under factual circumstances and legal circumstances and sometimes not be available.

With respect to use, I think the same analysis would
apply, particularly if <u>Spokeo</u>, which excluded a use
from failure to provide reasonably accurate procedures
from the injury-in-fact requirement.

Then with respect to disclosure, I would reach a similar conclusion. And I would draw the court's attention in this respect to the <u>FAA -v- Cooper</u> case decided by the Supreme Court a few years ago in which it held that the requirement of the Privacy Act, which prohibits against a subset of government disclosures of 12:18 information in records contained in a system of records, the statute refers to actual damages and the court held that, because of sovereign immunity reasons, psychological injury would not constitute actual

_		damage. In those cases, preading a discrosure by the	
2		government of information that only produced	
3		psychological injury, in my opinion, would not be	
4		sufficient to state a colourable claim of an	
5		injury-in-fact.	12:18
6			
7		Moreover, as I point out in my report - and I want to	
8		be clear what I'm saying and not saying here, because I	
9		don't wish to take a position upon European law - but	
10		insofar as European law protects dignitary injuries	12:19
11		under Articles 7 and 8, I do not believe that under	
12		Cooper's narrow reading of the harms available under	
13		the Privacy Act for remediation via a cause of action	
14		that a dignitary harm would fall within physical or	
15		pecuniary categories; it would be, in my opinion,	12:19
16		treated like a US court as akin to a psychological	
17		injury. But I also do wish to be clear that that does	
18		require some two degrees of speculation on my part,	
19		both in respect of the substantive content of the	
20		European law and also with the actions of courts in the	12:19
21		future. But that is my best reading of the law as I	
22		understand it today.	
23		MR. MURRAY: Thank you very much, Prof. Richards.	
24		MS. JUSTICE COSTELLO: Thank you. At this stage you're	
25		definitely free to go.	12:20
26	Α.	Thank you.	
27		MS. JUSTICE COSTELLO: Thank you very much for your	
28		assistance.	
29		MD MIDDAY: Thank you Judge The next witness is	

1			Mr. Serwin.	
2				
3			MR. ANDREW SERWIN, HAVING BEEN SWORN, WAS DIRECTLY	
4			EXAMINED BY MR. MURRAY AS FOLLOWS:	
5				12:20
6	78	Q.	MR. MURRAY: Now, Mr. Serwin, I'm going to ask that you	
7			be given a copy of the affidavit you swore.	
8			MS. JUSTICE COSTELLO: Can you confirm which book that	
9			is please, Mr. Murray?	
10			MR. MURRAY: Excuse me?	12:21
11			MS. JUSTICE COSTELLO: Which book is that in?	
12	79	Q.	MR. MURRAY: Oh, Judge, once again I'm sorry. Trial	
13			book two. And you'll find, Judge, the affidavit at tab	
14			one. (To Witness) So, Mr. Serwin, hopefully you will	
15			have in front of you your affidavit.	12:21
16		Α.	I do.	
17	80	Q.	Your first memorandum.	
18		Α.	Yes.	
19	81	Q.	And your second memorandum.	
20		Α.	Yes.	12:21
21	82	Q.	And I think there is also, as an appendix or exhibit to	
22			the affidavit, a biographical summary, is that right?	
23		Α.	Yes.	
24	83	Q.	So you're a partner, I think, in the firm of Morrison	
25			and Foerster?	12:21
26		Α.	I am.	
27	84	Q.	And I think that's a national firm in the United	
28			States, with offices in a large number of cities?	
29		Α.	It is.	

- And does it have offices abroad as well, is it a... 1 85 Q.
- 2 It does. A few, yes. Α.

- 3 86 Okay. Could you just briefly summarise for the court, Q. Mr. Serwin, your qualifications and your experience? 4
- I'm a graduate 1992 of the University of 5 Α. 12:22 6 California, San Diego. I went to law school at 7 University of San Diego in 1995, graduated, was 8 admitted to the bar in 1995 in California. I started really in a litigation practice when I first started 9 out. Towards the -- after about five or six years of 10 12:22 11 my career, started looking at privacy and doing more US 12 based privacy. And since that point I've been doing, I'd say, almost exclusively for some period after that, 13 14 privacy in the US, privacy litigation, as well as data security, as we call it, in the US as well. 15 So that's 12:22

primarily my practice. Within that, I'd say I do a lot 16 17

of what we call HIPAA, or health work in the US as

But those are the main areas that I practice in.

- 19 I think in your biographical summary you outline a 87 Q. number of publications of yours in this area and if you 12:23 20 21 could just briefly address those please?
- 22 Sure. The main one is I've written a three-volume book Α. on privacy. I am a US lawyer, I am a US qualified 23 24 lawyer, I'm not a European qualified lawyer by any stretch. I do cover global laws in one of the volumes, 12:23 25 but it's -- the book, frankly, is intended for a US 26 27 audience with inhouse counsel to sort of serve, in 28 essence, as a first stop. You know, I'm certainly not 29 an expert in everything in the book, even on the US

side, let alone globally - I am a US lawyer.

2

3

4

5

6

7

8

9

10

11

12

13

I've written as well on privacy litigation, I've written several law reviews, one of which was on privacy litigation. And I've written a book on health care privacy as well, which is at some level derivative of my broader privacy book, but it's a smaller section, that if people are interested in health care privacy they can look at that and some of the laws that are in the US on that point.

12:24

12:24

12:24

12:24

- 88 Q. Now, you refer in your affidavit to being instructed by the Data Protection Commissioner in April of this year.

 And could you explain what you were asked to do please?
- 14 Α. I was asked to provide an independent expert 15 report as if it were going into a court that outlined 16 really the potential causes of action in the US for an 17 EU citizen if their data was gathered, illegally gathered by the United States Government and looking 18 19 solely at what the causes of action would be against 20 the government, as well as individuals of the 21 government that were potentially available. And 22 included within that was an examination of some of the contours of US law as well as some of the limits in US 23 24 law as well.
- 25 89 Q. And at that stage, of course, these proceedings hadn't 26 been instituted. What was the purpose as you 27 understood it of the initial consideration that you've 28 been asked to give?
- 29 A. I understood that the Data Protection Commissioner was

1			going to examine this document and then make a	
2			determination as to whether US law provided adequate	
3			remedies or not for Europeans.	
4	90	Q.	Now, your first memorandum is in fact dated the same	
5			day as the Commissioner's decision. Was this the first	12:25
6			version of the first memorandum?	
7		Α.	It was not the first final. And we can thank the	
8			Supreme Court in <u>Spokeo</u> for that. So I'd completed the	
9			memo in, on May 11th and the <u>Spokeo</u> decision, I	
10			believe, came down on 16th May and I felt it was	12:25
11			something that should've been addressed, or should be	
12			addressed in the memorandum. So I added that in and	
13			then reissued this with the date of 24th when I signed	
14			it. But it was the same memorandum as was before with	
15			an addition of the <u>Spokeo</u> decision.	12:26
16	91	Q.	And you'd furnished that on 11th May, is that correct?	
17		Α.	Yes, it is.	
18	92	Q.	Now, just very briefly, Mr. Serwin, I'm going to ask	
19			you to turn to your first memorandum. And I think this	
20			has been opened to the court already by Mr. Collins	12:26
21			what feels like a long time ago. But the report deals	
22			with various, in the first instance, statutory	
23			provisions - FISA, it deals with the Privacy Act, it	
24			addresses the Judicial Redress Act, the ECPA. And then	
25			a number of other statutes are dealt with more briefly	12:26
26			- the Freedom on Information Act, Computer Fraud and	
27			Abuse Act and the Right to Financial Privacy Act.	

Then you proceed to deal with the issue of standing,

28

1	which the court has just been hearing about. Could you
2	perhaps just summarise your conclusions on the standing
3	issue?

12:27

12:27

12:27

12:27

- There's obviously been a lot of change in Α. standing recently - obviously the **Spokeo** decision changed during this process. We've been through the three elements obviously, which are injury-in-fact, causation and redress. I think the take-away on standing, not to try to summarise the discussion that's been had over the last several days, but plaintiffs -the Supreme Court seems to be certainly not expanding standing - Clapper, I think, was a narrowing; Spokeo, I think, has created some, as we've seen, consternation in the lower courts about how it would be interpreted and I don't certainly read that as an expansion in any way, I think it could be read as a narrowing, particularly when you're relying on a statutory cause of action, which were many of the causes of action I cover in this memo. I think you have to be thinking about whether it does narrow a cause of action based upon a statutory cause of action around when you look at the concreteness element of standing.
- 23 93 Q. Okay. And I'll just perhaps ask you to take one small
 24 extract from your report at page 15. Having outlined
 25 the elements of standing and referenced the decisions 12:28
 26 in <u>Clapper</u> and the <u>Spokeo</u> case, you say on page 15,
 27 section C:

28

29

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

[&]quot;Lower courts vary in their interpretation of standing

1	in the data privacy context. The Ninth Circuit has
2	found that individuals who had their personal
3	information stolen, but not misused, suffered a
4	sufficient injury to confer standing under Article III.
5	The Ninth Circuit's interpretation of Article III
6	standing is broader than many other courts that have
7	found that cases arising out of alleged data breaches
8	fail for a lack of standing, unless there is a showing
9	of misuse of data. The Seventh Circuit has held that
10	at least at the motion to dismiss stage, a plaintiff
11	could establish standing, based upon allegations that
12	the court felt created an 'objectively reasonable
13	likelihood' that injury would occur On the other
14	hand, the First Circuit has found that a plaintiff's
15	failure to allege that his or her information was
16	actually acquired by a third-party is fatal to the
17	plaintiff's claims."
18	
19	You then proceed to explain that:
20	
21	"The Ninth Circuit has also taken a broad view with
22	respect to whether standing can be established through
23	statutory rights, where the statutory cause of action
24	does not require proof of actual damages."
25	
26	And you refer to the <u>Jewel</u> case.
27	
28	" the plaintiffs' allegations of specific violations

of ECPA and FISA, as well as the First and Fourteenth

1 Amendments, coupled with the allegation that their 2 communications were part of the alleged warrantless 3 wiretapping, were sufficient for the Ninth Circuit to find standing under Article III. since Article III 4 5 standing can exist in certain cases based upon the 6 violation of a statutorily created right. The Supreme 7 Court's recent decision in Spokeo may alter the lower 8 courts' analysis on this issue. Based on this ruling. a plaintiff must allege that statutory violations 9 caused a concrete and particularised harm in order to 10 11 satisfy the Article III standing requirement. However, 12 a 'real risk of harm' may be sufficient to establish standing in some circumstances" --13 14 15 I'm sorry, Ms. Hyland helpfully corrects me: 12:30 16 17 "A 'risk of real harm' may be sufficient to establish standing in some circumstances, and it is yet to be 18 19 seen whether lower courts will alter their analysis in light of this decision." 20 21 22 I think having provided that report, you then proceeded, Mr. Serwin, to deliver a second report, 23 which is at tab three. And could you perhaps outline 24

A. Yes, I was asked to review the pleadings really to date, as well as the other expert reports that had been filed by the parties. I heliave I reviewed are that

why you were asked to produce this report? And at this

stage, of course, the proceedings had been instituted.

12:30

filed by the parties. I believe I reviewed one that

25

26

27

1			has now been excluded as well. But I'd reviewed those	
2			and I was asked to, in essence, provide a supplement	
3			based upon where the case stood and certain,	
4			particularly I'd say Prof. Vladeck's, but reviewing all	
5			of it and just responding to certain issues that had	12:3
6			been raised with my initial memo and report.	
7	94	Q.	So you begin off, I think, by looking at the <u>Schuchardt</u>	
8			case?	
9		Α.	Yes.	
10	95	Q.	And if you could briefly explain to the court why you	12:3
11			included that?	
12		Α.	Yes. Well, I felt that the cases that involved, I'll	
13			call it government monitoring for lack of a better	
14			term, particularly regarding standing were particularly	
15			relevant and this one was one that came out after my	12:3
16			original memorandum. It does find Article III standing	
17			at the pleading stage. And I think that's an important	
18			thing to note here, is that there's, you know, what the	
19			level of standing is at the motion to dismiss, as we	
20			would call it, stage versus what it can or what it is	12:3
21			later as the burden of proof shifts for plaintiffs as	
22			the case gets further.	
23				
24			This case certainly did find that at least at the	
25			pleading stage that they'd adequately pled standing.	12:3
26			But the court also noted that it was not saying	
27			explicitly, if you look at the middle paragraph of page	
28			two, that the plaintiff actually had standing to sue.	

And so I felt it was important to put this case before

1			the court, because it does find Article III standing at	
2			the motion to dismiss stage. It does raise some	
3			questions, I think, for the case down the road, but it	
4			certainly did find standing and I felt, given the	
5			factual basis of it, that it was important that the	12:32
6			court had it before it.	
7	96	Q.	And you explain in fact at the top of page three, in	

8 the second sentence, that you and Prof. Vladeck broadly agreed on Article III and to the extent there are some 9 differences in your views, they're differences that 10 12:32 11 largely result in a difference in emphasis on which 12 cases one is relying upon and the procedural posture of some of those cases. And you observe that 13 14 Prof. Vladeck acknowledges the **Clapper** case, indeed 15 expressing his personal concerns regarding the 12:32 16 decision.

17

18

19

20

21

22

23

24

25

26

27

28

29

There was also an issue raised, I think, following your first memorandum about Rule 11 of the Rules, the Federal Rules of Civil Procedure. And if you could just perhaps briefly explain to the court what Rule 11 is and what *you* see its relevance as?

12:33

12:33

A. Yeah, Rule 11 is, in essence, a rule that requires an attorney putting any pleading before a court to have either a good faith basis or believe that after a reasonable opportunity, if you will, for discovery that there will be a good faith basis for the pleading and the positions in the pleading. And the reason in my first memorandum I raised the Rule 11 issue in the

1			context of <u>Clapper</u> , which is where I do raise it, is in	
2			Clapper you had a case where the plaintiff had, you	
3			know, no knowledge that monitoring had happened	
4	97	Q.	MS. JUSTICE COSTELLO: This is the Clapper and the	
5			not <u>ACLU</u> ?	12:33
6		Α.	I'm sorry, the Supreme court <u>Clapper</u> , yes. So in the	
7			Supreme Court <u>Clapper</u> case you had a situation where	
8			the court basically said 'Look, we 'the statute was	
9			just passed, you couldn't have known, couldn't have	
10			been monitored yet'	12:33
11	98	Q.	MS. JUSTICE COSTELLO: It was speculative?	
12		Α.	It was speculative. And the issue I saw candidly was:	
13			If you're in a situation where someone comes to you and	
14			says 'I think I was monitored by the government	
15			illegally, I want to sue them' and you ask 'What	12:34
16			evidence do you have?' and the answer is 'I just think	
17			I was, I don't know', I think a question has to be	
18			asked. I certainly didn't say in my original memo, my	
19			report or this report that there would be sanction	
20			sought. I do think it's at least a question one has to	12:34
21			ask, given that much of this monitoring can be secret	
22			and one doesn't always know it's occurring. And so	
23			that was really the point I was raising with Rule 11.	
24	99	Q.	MR. MURRAY: And what position does that put the	
25			attorney in, where that situation you've just described	12:34
26			occurs, the client says 'I think I've been monitored'	
27			and they have no evidence of any kind of that; what	
28			position does that put the attorney in?	
29		Α.	The attorney has to make a judgment call. And again I	

1			certainly never say in any of the reports that, you	
2			know, on its face an attorney couldn't file the claim.	
3			But I think, you know, any attorney would ask the	
4			question of 'Okay, how can I go forward with this?' if	
5			literally it's a situation where we have no evidence at	12:34
6			all and the client simply thinks they may have been	
7			monitored or wants to sue and they don't, they simply,	
8			you have no evidence to back it up.	
9	100	Q.	Okay. There were certain comments made in	
10			Prof. Vladeck's report about the Administrative	12:35
11			Procedure Act and your failure to address that in your	
12			initial memorandum. And you consider those comments in	
13			the next section of the report. Could you perhaps just	
14			briefly explain what your position was in relation to	
15			the APA?	12:35
16		Α.	Yes. My first memorandum, as it states really, I was	
17			trying to look at what I thought were the most likely	
18			and effective causes of action if these were going to	
19			be filed in the US. I saw the what I'll call the 2712	
20			claims, which is the claims where the federal	12:35
21			government has waived sovereign immunity under 18 USC	
22			2712, which is really FISA predominantly, but also	
23			ECPA, as I know the court has heard about, as being	
24			some of the more important claims and I think likely	
25			claims.	12:36
26				
27			The case Prof. Vladeck cites, <u>ACLU -v- Clapper</u> - and	
28			this is the Second Circuit <u>Clapper</u> I'm sorry,	

Clapper -v- ACLU; you'll note in page five of my

memorandum, in the middle paragraph I note that the court said that 18 USC 2712, which is the FISA cause of action I first examine, explicitly withdrew the right to sue under the APA for certain governmental actions regarding surveillance.

12:36

12:36

12:37

12:37

6

7

8

9

10

11

12

13

14

15

1

2

3

4

5

I believe there's a - Prof. Vladeck and I both cite this case, but neither of us for this proposition - I think the Jewel 2013 case, it's a District Court case out of the Northern District, also, I believe, dismisses an APA claim, saying that, in essence, 'You've sued under 2712', therefore, because the government has not permitted injunctive relief by not including it within 2712, the APA injunctive relief claim there was not permitted.

16 17

18

19

20

21

22

23

24

25

26

27

28

29

So the first point really was I saw the 2712 remedies, the FISA remedies, the ECPA remedies as being really the more important remedies. I do think there are a few other issues, but, you know, one of the main issues 12:37 was that the APA is really directed towards agency action. And that tends to be, I think, things like regulations or opinions from a federal agency. is a case that I cite that does say that the monitoring by the NSA was not final agency action and that is cited in footnote 18 of my report, from the Sixth Circuit, which does say that plaintiffs have not alleged sufficient agency action to state a claim under the APA.

1
1

2 The case Prof. Vladeck cites, certainly it doesn't 3 address that issue - and I'm not saying it needed to it does permit an APA claim. To me, there was another 4 issue and I think it goes to sort of --5

12:38

12:38

6 101 Just before you move on to that other issue, could you Q. 7 perhaps just explain what "agency action" means, what 8 the phrase means?

I believe it's defined in that case. But it tends 9 Α. again to be an action -- I tend to think of it more as 10 11 really regulations issued by a federal agency, an 12 opinion issued by a federal agency. The distinction that this court drew was the monitoring, at least when 13 14

it was done, as it was discussed in the Sixth Circuit, went to it was agency conduct; so it was what the

12:38

15 agency did, not something it put in a ruling or put in 16 17

So that was the distinction I saw. an opinion.

Sort of a regulatory, a distinction between something 18 Q. 19 that's regulatory and something that's operational, is 20 that the...

12:38

- 21 I think that's a good way to put it, yes. Α.
- 22 103 And of course, the United States Supreme Court Clapper Q. 23 case was a challenge to the facial validity of a statute, isn't that right, and it was proceed --24

The Second Circuit. 25 Α.

12:39

- Oh, sorry, the Second Circuit. 26 104 Q.
- 27 Yeah, the Second Circuit <u>Clapper</u> was a facial to the Α. 28 statute on unconstitutional grounds.
- 29 105 Sorry, you were about to make a further point? Q. Okay.

Well, I think, so there's another issue and there is --Α. the Second Circuit <u>Clapper</u> case looks at monitoring under what I think is being called in this case 215. which is the bulk, was the alleged bulk collection, and it finds that Congress did not intend to preclude 12:39 review of that and so permits the APA claim to go forward.

8

1

2

3

4

5

6

7

9

10

11

12

13

14

15

16

17

18

19

20

There is a case from the District Court of Columbia that does find, go the other way. Obviously it's a Circuit Court versus a District Court. The District Court case was taken up, so the claim in District Court case then went to the DC circuit on appeal. circuit found that the APA claim was not valid, but was going to enter an injunction on other grounds and did 12:40 enter an injunction on other grounds regarding surveillance. The court in DC, the District Court of Appeal -- I'm sorry, the DC Court of Appeal vacated the injunction and remanded the case, did not touch the holding on the APA.

12:39

12:40

12:40

21 22

23

24

25

26

27

28

29

And so the reason I felt that it was important to cite the claim in District Court case is there is an exclusive venue provision in the Judicial Redress Act that requires a European to file the claim in the District Court of Columbia District Court. And so while I recognise that obviously a Circuit Court versus a District Court and one with negative history is not exactly of an equal trade, if you will, I did think it

1			was relevant to point out that at least one District	
2			judge in the district where a European would likely	
3			file their claim because they might have a Judicial	
4			Redress Act claim had gone the opposite way on the	
5			Second Circuit <u>Clapper</u> decision.	12:41
6	106	Q.	MS. JUSTICE COSTELLO: Can you explain what you meant	
7			there by "negative history"? Is that because they were	
8			overturned?	
9		Α.	They were overturned on a different issue. So they	
10	107	Q.	MS. JUSTICE COSTELLO: It's a different issue?	12:41
11		Α.	Yeah. And so it went up. And I don't read the	
12			appellate decision as touching the APA; in fact what	
13			they did is found, ironically, that the plaintiffs	
14			lacked standing to get an injunction under Article III	
15			and remanded the case back.	12:41
16			MR. MURRAY: So, Mr. Serwin, if you could just answer	
17			any questions from Ms. Hyland.	
18				
19			MR. SERWIN WAS CROSS-EXAMINED BY MS. HYLAND AS FOLLOWS	
20				12:41
21			MS. HYLAND: Good afternoon, Mr. Serwin.	
22		Α.	Good afternoon.	
23	108	Q.	So can I just take you back then to, I suppose, your	
24			interactions with the DPC, the Data Protection	
25			Commissioner. We will come back to US law, but perhaps	12:41
26			if we could just go to Europe in the first instance.	
27			So I think you said you were retained on 5th April	
28			2016, is that right?	
29		Δ	Ves I helieve that's right was	

- 1 109 Q. And did you ever come to Ireland to discuss the matter
- 2 with her?
- 3 A. I did not come to Ireland prior to this year.
- 4 110 Q. Yes. And did she ever visit you in the States? In
- 5 other words, did you ever have a face to face
- 6 discussion or meeting about this whole issue, this
- 7 matter?
- 8 A. We did not.
- 9 111 Q. And did you have any, I suppose, telephone
- 10 conversations? How did your interaction generally go? 12:42

12:42

12:42

12:42

12:43

- 11 A. We had a video conference, I believe, right as I
- delivered the May 11th report to sort of say here's
- 13 what, you know, my opinions were. But I believe that
- 14 was really the main interaction.
- 15 112 Q. So that was one video conference?
- 16 A. Yes.
- 17 113 Q. And how long do you think that lasted?
- 18 A. I would estimate maybe an hour or so.
- 19 114 Q. Okay, can I take you back a little bit and just ask you
- 20 what were the materials that she gave you when she was
- 21 briefing you?
- 22 A. When I -- in the initial point?
- 23 115 Q. Yeah, absolutely. At the very beginning.
- A. I don't believe I had really any materials at that
- point, because -- I don't believe I did.
- 26 116 Q. I see. So did you have some kind of letter of
- instruction or something like that?
- 28 A. Yes.
- 29 117 Q. Can you tell us, and maybe in a little bit more detail

1			than you did in the affidavit - or maybe the affidavit	
2			is the sum total of it - what exactly was your brief in	
3			terms of what she was asking you to do?	
4		Α.	Really my affidavit was, is what I was asked to do, in	
5			paragraph five.	12:43
6	118	Q.	Yes. And I think you set that out there in paragraph	
7			five, don't you? And I think one of the things she asks	
8			you at subparagraph (b), she asked you to look at the	
9			application of the remedies in practice, didn't she?	
10			And did you do that?	12:43
11		Α.	I believe I did, yes.	
12	119	Q.	Yeah. And did you then at any stage between 5th April	
13			and 24th May, did you get any additional materials from	
14			her apart from the briefing letter?	
15		Α.	I don't believe I did, no.	12:44
16	120	Q.	You didn't. What about the submission made by	
17			Mr. Schrems?	
18		Α.	I believe I had the I'm sorry, which submission?	
19	121	Q.	So Mr. Schrems had made a submission to the Data	
20			Protection Commissioner, he'd made a complaint.	12:44
21		Α.	I don't believe I had seen that at the time, no.	
22	122	Q.	I see. Because just you say, I think, at paragraph	
23			three that you have your affidavit there, do you?	
24		Α.	Yes.	
25	123	Q.	You say that:	12:44
26				
27			"The matters arose in the context of the Commissioner's	
28			investigation of a complaint received from Mr. Schrems,	
29			details of which were furnished to me."	

1				
2			And just what do you mean by that?	
3		Α.	I mean I understood that the Commissioner was looking	
4			at I understood there was a complaint.	
5	124	Q.	Yes.	12:44
6		Α.	I don't honestly at this point recall whether I looked	
7			at it or not. But I understood the context of this,	
8			which was there was a complaint against Facebook, that	
9			she was going to have to do an assessment of adequacy	
10			and look at what was, what the contours were of US law.	12:45
11	125	Q.	I see.	
12		Α.	And I would note in there, obviously I don't review the	
13			facts of the <u>Schrems</u> case or make any factual findings	
14			or legal conclusions. I understood my job is to sort	
15			of provide a neutral non-factual, if you will, view of	12:45
16			US law that didn't apply in any way to the facts of	
17			what Mr. Schrems had alleged or anyone else could or	
18			couldn't allege.	
19	126	Q.	Yes. And one of the things, if you go to 5(a), you	
20			identify the remedies in fact available to EU citizens.	12:45
21			And you didn't deal in any way with, I suppose,	
22			recourse by EU citizens, indirect recourse if I can	
23			call it that. So, for example, you didn't deal with	
24			oversight by the various agencies, isn't that right?	
25		Α.	That is correct.	12:45

127 Q. Yes. And you didn't deal with, for example, other

remedies that would be directly, if you like, linked,

such as the right of the telecommunications companies

to challenge decisions and to challenge requests for

26

27

28

- data, isn't that right?
- 2 A. Yeah, my focus again was really, to put it probably in
- 3 simpler terms, remedies that the EU citizen could
- 4 access themselves directly. So anything that they
- 5 couldn't access directly by their own, you know,
- 6 initiation was not within the scope of what I
- 7 understood I was to do.
- 8 128 Q. Yes. And you didn't, also, describe to her the, if you

12:46

- 9 like, entitlement to collect information and then the
- 10 remedy for breach, did you?
- 11 A. I'm sorry, I don't understand your question.
- 12 129 Q. So you focused on remedies, but you don't, I think,
- paint a picture of the general legislative scheme under
- which it's permissible to collect data and then the
- 15 remedy for it.
- 16 A. I focused on the remedies, that's correct.
- 17 130 Q. In other words, in a sense you had half the picture;
- 18 you had the remedy, but you don't set out what the
- 19 actual entitlement to access is?
- 20 A. Again, my focus was on what the remedies and causes of
- action were. But I did not go into that detail, no.
- 22 131 Q. And I think you did understand that she was looking at
- adequacy as compared to the EU; did you understand
- 24 that?
- 25 A. I understood she was going to be looking at adequacy in 12:47
- the EU, yes.
- 27 132 Q. Yes. And did you ever raise any issue about what she
- was comparing the US situation against?
- 29 A. No, I did not.

1	133	Q.	Can I just ask you then please to go to Mr. O'Dwyer's	
2			affidavit? So I'll just identify the books that it	
3			might be helpful for you to have close by. You have	
4			book two, I think, don't you, which is your own book?	
5			And then I think book one as well, which is her	12:47
6			decision, the DPC's decision, if you have that there.	
7		Α.	Yes.	
8	134	Q.	And can I just ask you to look please at tab 12? So,	
9			Judge, this is book one	
10			MS. JUSTICE COSTELLO: Yes, I have it. Thank you.	12:48
11	135	Q.	MS. HYLAND: Thank you. And it's the affidavit that was	
12			filed by Mr. John O'Dwyer, who's a Deputy Commissioner	
13			in the Office of the DPC. (To Witness) There's just	
14			two parts of this that I'll just ask you to look at.	
15			The first is, can I ask you to turn to paragraph 112	12:48
16			please? And you'll see that at paragraph 112 in fact	
17			if I could ask you possibly to look first, I think, at	
18			paragraph 110. You'll see at the bottom of the page it	
19			states, the last sentence:	
20				12:49
21			"Once those applications are determined" - these were	
22			amici applications - "it will be appropriate to proceed	
23			immediately to the hearing of the Plaintiff's	
24			application for a reference and it is for that reason	
25			that this application is now being issued."	12:49
26				
27			At paragraph 111 he says that:	
28				

29

"... the Commissioner has been concerned by suggestions

1	made by the Defendants that it will be necessary for
2	pleadings to close and for documentation to be
3	furnished or discovered in advance The Commissioner
4	does not accept these suggestions.
5	
6	112. The views reached by the Commissioner in the Draft
7	Decision will be at the heart of this application for a
8	reference. The Draft Decision is self-explanatory and
9	speaks for itself. If the Defendants or any amici
10	disagree with the Draft Decision or any part of it,
11	they will have an opportunity to indicate their
12	position to this Honourable Court in the context of
13	this application for the making of a reference. No
14	other procedural steps such as further exchange of
15	pleadings or discovery-are required to enable this
16	exchange to take place. It is the Commissioner's
17	position that the application for a reference for a
18	preliminary ruling will be able to proceed immediately
19	upon determination of the various amici curiae
20	applications."
21	
22	And that affidavit was sworn on 1st July, and obviously
23	you won't know this, but in court an application was
24	made that the hearing about whether or not there should
25	be a reference would be done before the end of July. 12:50
26	
27	Now, can I ask you, did you know that your opinion and
28	your opinion alone as to US law would be, first of all,
29	the sole basis for her decision? Did you know that?

- A. I knew it would be considered. I don't think we had a discussion as to whether it would be, if she was doing anything else. But I knew that it would be considered, yes.
- 5 136 Q. And did you know whether there was any other experts 12:50 going to be asked or any other views canvassed?
- 7 A. I did not know, no.
- 8 137 I think you can see here that at this point the Ο. 9 Commissioner's approach was that there should be no other evidence such as we have now, there should be no 10 11 other material and that the court should be asked to 12 make a reference solely on the basis of her decision and, therefore, on the basis of your material. 13 14 you accept that from what you've seen?

- 15 A. Looking at it -- I mean, obviously I'm not a lawyer 12:50
 16 here, so I can only read that and see what it says, so
 17 honestly, I probably cannot answer your question,
 18 because I don't understand the procedures here.
- 19 138 Q. Very good. Did you accept that it was a very weighty
 20 responsibility on you to be giving an opinion on the
 21 adequacy of US law, as it were, alone as far as you
 22 knew?
- A. Well, I don't think I was giving an opinion on the
 adequacy of the US law. Again, I laid out what I saw
 were the potential remedies in it. So I did not, as I
 note in my report, did not make a finding on adequacy
 at all, I simply tried to lay out what I thought were
 the most likely causes of action in the US.
- 29 139 Q. Sorry, you're quite right about that. Did you consider

Т			it a weighty responsibility then to be the person, the	
2			sole person as far as you knew, that was providing the	
3			factual material to allow the DPC to make this	
4			determination?	
5		Α.	I would say I took it obviously very seriously. I	12:52
6			didn't know whether there would or would not be other	
7			people. But to answer your question, I certainly took	
8			this seriously, yes.	
9	140	Q.	Are you aware and were you aware then of the	
10			implications of an invalidation of the SCC decisions?	12:52
11		Α.	I didn't know what the track would be, you know, for	
12			the case, I didn't know exactly what would be the net	
13			outcome. I understood obviously the broader context of	
14			this in this case, but I didn't really form a belief	
15			about whether SCCs would or wouldn't be invalidated.	12:52
16	141	Q.	And did you know that the issue the DPC was looking at	
17			in the context of your advices was the validity of the	
18			SCCs?	
19		Α.	Yes, I believe I did.	
20	142	Q.	You did. Now, can I just go back to paragraph three,	12:52
21			where you say that the details of Mr. Schrems'	
22			complaint were furnished to you? And I think - I'm	
23			sorry, I may be wrong about this - but I think you said	
24			that they were in summary form, as opposed to the	
25			actual complaint, is that right?	12:53
26		Α.	You know, honestly I believe that's the case. I know I	
27			had details about it and obviously I had details, but I	
28			don't remember how I got them at this point.	
29	143	0 -	Yes. Can T just make sure T understand: do you think	

- it was simply a letter of instruction that you got,
- with no additional separate materials or do you think
- it was a letter of instruction with additional
- 4 materials?
- 5 A. I believe I got a letter of instruction. And if I got
- 6 materials, I think it would've been separate. But
- 7 honestly, I don't recall.
- 8 144 Q. How long do you think the letter of instruction was?
- 9 A. I don't -- honestly, I don't have -- I can't estimate

12:53

12:54

- 10 it. Several pages. But I don't...
- 11 145 O. Yes. But not several lever arch folders?
- 12 A. I'm sorry?
- 13 146 Q. It wouldn't have been, for example, several lever arch
- folders (INDICATING)?
- 15 A. No.
- 16 147 Q. Not that kind of size.
- 17 A. And I belive, I think there were details of the case,
- thinking back, I believe there were details of the case
- in the letter of instruction.
- 20 148 Q. *In* the letter of instruction?
- 21 A. Yes, I believe that to be the case.
- 22 149 Q. And did you know that there was a complaint by
- 23 Mr. Schrems against Facebook?
- 24 A. Yes.
- 25 150 Q. You did. And did you know that submissions had been
- 26 made by Mr. Schrems and by Facebook in the context of
- that complaint?
- 28 A. I believe I did at the time, yes.
- 29 151 Q. And did it ever occur to you to ask the Commissioner

1			whether submissions on US law - the point that you were	
2			advising on - would be sought from Mr. Schrems and	
3			Facebook?	
4		Α.	I didn't. Because again, at the point at which I did	
5			my initial report, there was no litigation on file, so	12:54
6			I didn't know what, you know, I didn't know what the	
7			process would be. It didn't I didn't know whether	
8			there would or wouldn't be or what the process was over	
9			here, so it didn't occur to me to say, you know, 'What	
10			is the process in Irish court if a case is filed?	12:54
11	152	Q.	All right. So leaving aside litigation though, because	
12			even though I know that you were asked to treat your	
13			report as if it would be used in litigation, but	
14			leaving aside that, because when you were asked to	
15			submit your report - as you say, there wasn't any	12:55
16			litigation; this was, if you like, a regulatory process	
17			and you knew that there'd been a complaint from	
18			Mr. Schrems, you knew there'd been a response from	
19			Facebook - in relation to that, at that point in time,	
20			given the importance of the issue, did it occur to you	12:55
21			to ask the DPC whether she was going to seek	
22			submissions on the point you were being asked to look	
23			at from Facebook and Mr. Schrems?	
24		Α.	I did not ask the DPC to do that, no.	
25	153	Q.	Were you concerned that you were giving advice about	12:55
26			the state of US law and that the DPC would proceed to	
27			make a decision on the basis of that advice without the	
28			Complainant and the Respondent being given an	
29			onnortunity to nerhans see your advice?	

1		Α.	I didn't know whether it would be provided or not or	
2			what the process would be.	
3	154	Q.	So you don't know whether it was or was not provided?	
4		Α.	I think it was eventual I think it was provided in	
5			the course of this case. But, you know, I don't have	12:5
6			an exact date in my head. I know it eventually was.	
7	155	Q.	And you're correct about that; your report was provided	
8			to Facebook in the context of this litigation, I think	
9			when your affidavit was filed. Is that right?	
10		Α.	I think it might've I'm not sure, I think it	12:5
11			might've been before that. Well, it had to be before	
12			that, because my report was filed after Prof. Vladeck's	
13			and Prof. Vladeck responded to my first report, so	
14			inherently he had to have had it.	
15	156	Q.	Yes. So you think it's sometime around October 2016,	12:5
16			something around that?	
17		Α.	I can't speculate, I just know it would be before	
18			Prof. Vladeck turned in his report.	
19	157	Q.	Okay. Can I just ask you to go back to Mr. O'Dwyer's	
20			affidavit that you were looking at a moment ago? And	12:5
21			you'll see there that if I could just ask you to	
22			turn back a number of pages please and just to look at	
23			paragraph 80. Do you see that? And you'll see at	
24			paragraph 80 he swears that:	
25				
26			"For the sake of completeness, I add that, during the	

27

28

29

course of the Commissioner's investigation, the

Commissioner's Office was contacted by the United

States government and was furnished with documentation

Т			that had previously been supplied by the US government	
2			to the Commission, in support of what is known as the	
3			Privacy Shield Framework."	
4				
5			Do you see that there?	12:57
6		Α.	I do.	
7	158	Q.	Did you know that when you were doing your work?	
8		Α.	I did not know that when I prepared my first report.	
9	159	Q.	Yes.	
10		Α.	I subsequently, I believe, had read the O'Dwyer	12:57
11			declaration. So I did know that at that point I'd not	
12			seen that.	
13	160	Q.	Sure. And does it surprise you in fact, just for	
14			the sake of completeness, I'm going to ask you just to	
15			look at the DPC decision, which is at tab 18 if we just	12:57
16			keep on going through that book. And I'm just going to	
17			draw your attention to a footnote where the DPC	
18			identifies that the material had indeed been provided	
19			by the US Government. And if I can just I may come	
20			back to that after lunch if I can't locate it quickly.	12:58
21			I thought it was footnote 22, but I may be wrong about	
22			that. Yes, I think it <i>is</i> footnote 22, although my	
23			footnotes are letting me down. So I'll come back to	
24			that.	
25				12:58
26			But in any case, I think it is accepted in yes, I'm	
27			being told it's page 29. Yes, so can you see page 29	
28			of that draft decision?	
29		Α.	Page 29?	

1 161 Q. Yeah, page 29, exactly. And then paragraph 60. I'm so sorry, that's in relation to the Privacy Shield. But I think elsewhere she acknowledges that material had been provided by the US Government. But I'll come back to that after lunch, I'll find the reference.

12:58

- But can I just ask you, in respect of the
 non-disclosure by the DPC in relation to the material
 that had been provided to her in other words, she
- didn't tell you that the material had been provided by the US Government to her, is that right?
- 12 A. I don't recall that, no.
- 13 162 Q. Are you surprised by that?
- A. No. I think for my work, again I was looking at it as a civil lawyer in the US who would be trying to figure 12:59 out what claims to bring against the United States government in these circumstances.
- 18 163 Q. Yes. And I suppose I'm wondering why you're assuming
 19 that the US Government material wouldn't be relevant to
 20 that question?
- A. I don't know that I'm assuming -- because I think I'd be looking at what the -- I mean, in theory I guess it could've been. I don't know what was produced.
- 24 164 Q. Yes.
- A. But obviously, you know, most of the time when you file 12:59
 a complaint in the United States, you wouldn't have
 materials from the US Government on what statutes or
 causes of action to bring. So I think that was really
 -- again, my focus was the available statutory material

Т			that you would look at in filing a complaint.	
2	165	Q.	But I think you're assuming that the US Government	
3			material wasn't relevant to that by saying that you're	
4			not surprised it wasn't provided to you?	
5		Α.	I'm not assuming it, I just, I guess the assumption I'm	13:00
6			making is in a normal case, if I were a lawyer looking	
7			to file a claim, I wouldn't have that material. I	
8			can't say whether it was relevant or not, but it's not	
9			something you would have when you're preparing a	
10			complaint typically to file in a US District Court.	13:00
11	166	Q.	No, of course not. But that's not what you were being	
12			asked to do, was it, in this case? Well, I see it's	
13			just one o'clock, sorry, Judge.	
14			MS. JUSTICE COSTELLO: Yes, I think we might take that	
15			up when you've found your footnote.	13:00
16			MS. HYLAND: Yes, exactly. Thank you, Judge.	
17			MS. JUSTICE COSTELLO: Two o'clock.	
18				
19				
20			(LUNCHEON ADJOURNMENT)	13:00
21				
22				
23				
24				
25				
26				
27				
28				
29				

			THE HEARING CONTINUED AFTER LUNCH AS FOLLOWS.	
2				
3			MS. JUSTICE COSTELLO: Good afternoon.	
4			REGISTRAR: At hearing, Commercial Court action, Data	
5			Protection Commissioner Plaintiff -v- Facebook Ireland	14:02
6			Ltd. and Maximilian Schrems.	
7			MS. JUSTICE COSTELLO: Yes, Ms. Hyland.	
8	167	Q.	MS. HYLAND: Thank you, Judge. Mr. Serwin, just in	
9			relation to the paragraph that I couldn't find,	
10			I wonder could you just go back to the affidavit of	14:02
11			Mr. O'Dwyer please?	
12		Α.	Okay.	
13	168	Q.	It's at Tab 12 and I think it's paragraph 42. I am so	
14			sorry, it's in the DPC decision; isn't that right?	
15			Yes, so it should be Tab 17. And you'll see there that	14:03
16			there's a reference to, at the bottom of paragraph 42,	
17			do you see that? The DPC says:	
18				
19			"For the sake of completeness I also note that I have	
20			received unsolicited submissions from the US government	14:03
21			comprising copies of material submitted by the United	
22			States to the European Commission in support of the	
23			Privacy Shield framework." You see that there?	
24		Α.	I do.	
25	169	Q.	Yes. And can I just ask you to look at one of those	14:03
26			documents please. If I can ask you, Judge, I am just	
27			going to ask the court to look at Book 13 and the	
28			witness to look at Book 13 and that is the agreed EU	
29			Trich authorities And if T can just ask you	

- 1 A. I don't have Book 13, I apologise.
- 2 170 Q. You don't have that, I am sorry, that is just being
- given to you now, yes. Do you have that, Mr. Serwin?
- 4 A. I don't yet, I am sorry.
- 5 171 Q. Sorry, you are just waiting for that. And, Mr. Serwin, 14:04
- I think just before lunch you were --
- 7 A. I have the book, I'm sorry, what tab?
- 8 172 Q. You have it, yes. So if I could ask you to look at
- 9 Tab 13, 1-3, and that is what's known as the Privacy
- 10 Shield and then I'm going to ask you to turn to page -- 14:04
- 11 A. I am sorry, Tab 13 it looks like it is --
- 12 173 Q. It should be a Commission implementing decision; is
- that right?
- 14 A. Oh, yes, it is, I am sorry.
- 15 174 Q. And there is annexes to that and if I could ask you to

- look at page 91 of that, I beg your pardon, page 207,
- and you will see the page numbers are on the right-hand
- side, L207/91, do you see that?
- 19 A. Yes.
- 20 175 Q. Yes. So I'll ask you to come back to that in a moment, 14:05
- but I think you said that you wouldn't have thought
- that the US materials would be something that you would
- have expected the DPC to look at; is that right, is
- that what you were saying before lunch?
- 25 A. I didn't really have an expectation. I mean I wasn't
- aware they had been delivered.
- 27 176 Q. Yes.
- 28 A. What I was saying is that, in the context of filing a
- lawsuit, I wouldn't expect to have materials from the

- US government if I were filing a lawsuit against the US 1 2 government. 3 No, of course not, and perhaps I didn't phrase the 177 Q.
- question correctly. But what I am asking you is: Do 4 you think that, given that the DPC was coming to a view 14:05 5 6 on the adequacy of US law and she was relying on your 7 opinion in circumstances where she got material from
- the US government should she have looked at it? Should she have looked at it is your question? 9 Α.
- 10 178 Q. Yes. 14:06
- 11 You know, I can't really assess what she would or Α. 12 wouldn't do in determining adequacy, if that's your 13 auestion?
- 14 179 Q. well I am asking you, I suppose, as a lawyer, do 15 you think it was something she should have looked at, 14:06 given that she is looking at US law? 16
- 17 MR. MURRAY: Well, judge, I am reluctant to interrupt the cross-examination, but the witness is not being 18 19 tendered as an expert in Irish procedural law. 20 given expert view on the substantive content of US law.
- 21 MS. HYLAND: Very good. Can I ask you to look please 180 Q. 22 at that letter there from Mr. Litt. This is a letter from General Counsel Robert Litt, office of the 23 Director of National Intelligence, do you see that? 24
- 25 Α. My page, and I may be on the wrong page, it's L207/28? 14:06
- It should be dash 91. 26 181 Q.

- 27 I'm looking at the wrong, I apologise. Α.
- 28 Don't worry. Yes, I think if you go, if you keep on 182 Q. 29 going to, it should be L207/91?

1		Α.	Yes, I do see that. Yes, I apologise.	
2	183	Q.	You have that. And are you familiar with who Mr. Litt	
3			is?	
4		Α.	I know he is a member of the United States government,	
5			I don't know his title off the top of my head.	14:07
6	184	Q.	Yes. You see the date of the letter is 22nd February	
7			2016 and can I just ask you to look at the first	
8			paragraph please where he says that:	
9				
10			"Over the last two and a half years in the context of	14:07
11			negotiations for the EU-US Privacy Shield, the US has	
12			provided substantial information about the operation of	
13			US intelligence community signals intelligence	
14			collection activity. This has included information	
15			about the governing legal framework, the multi-layered	14:07
16			oversight of those advices, the extensive transparency	
17			about those activities and the overall protections for	
18			privacy and civil liberties in order to assist the	
19			European Commission in making a determination about the	
20			adequacy of these protections as they relate to the	14:07
21			national security exception to the Privacy Shield	
22			principles. This document summarises the information	
23			that has been provided."	
24				
25			Now I asked you before lunch did you identify to the	14:07
26			DPC the legal framework under which surveillance was	
27			operated and you said you didn't; now you can see here	
28			that that has been addressed in this letter, do you	
29			think it's a relevant matter when looking at the	

			adequacy of remedies to understand the governing regar	
2			framework?	
3		Α.	Again I can't offer an opinion on what would or	
4			wouldn't be proper under EU law in looking at adequacy.	
5	185	Q.	I'm not asking you to give an opinion on EU law,	14:08
6			I understand that that is not your specific area of	
7			expertise, although you have written on it, I am asking	
8			you, in the context of the DPC seeking to understand US	
9			law and its adequacy, should she have looked at and	
10			should you have advised her on the legal framework?	14:08
11		Α.	Again I was asked to advise on the private remedies	
12			that were available and that's what I did. I can't	
13			really offer an opinion on what gets wrapped up into an	
14			adequacy determination.	
15	186	Q.	Yes. But aren't you in a world where it's, if you	14:08
16			like, not like an ordinary decision-making process	
17			because of the necessary secrecy about decisions?	
18		Α.	There certainly is an element of secrecy that has to be	
19			there, but again my expertise is really on the civil	
20			remedy side which is what I was asked to opine on and	14:09
21			that's what I have opined on.	
22	187	Q.	Do you mean it's the civil remedies generally for	
23			privacy breaches or in a national surveillance context?	
24		Α.	Well my opinions in this case were in the national	
25			surveillance context and those are the opinions that	14:09
26			I gave regarding the civil remedies in that context.	
27	188	Q.	And do you have experience and expertise in the	
28			national surveillance context?	
29		Α.	I have some. I mean I'm not a, I mean I am a civil	

1			litigator, that's what I do. But I certainly am not an	
2			expert in the oversight side of the surveillance of	
3			foreign intelligence.	
4	189	Q.	When you say you are a civil litigator, does that in	
5			some way exclude litigation in the national	14:10
6			surveillance sphere?	
7		Α.	I don't think it excludes it. I mean I certainly could	
8			bring, I file and defend civil litigation in the	
9			privacy sphere is what I do.	
10	190	Q.	And what about in the national surveillance sphere,	14:10
11			specifically that sphere?	
12		Α.	I have not filed a case in the national security	
13			sphere.	
14	191	Q.	Yes. And what about defended a case in that sphere?	
15		Α.	I don't represent the government. I have defended ECPA	14:10
16			cases and similar cases but I don't defend the	
17			government, no.	
18	192	Q.	And when you say you have defended ECPA cases, do you	
19			mean in the national surveillance sphere or generally	
20			in the privacy sphere?	14:10
21		Α.	Generally in the privacy sphere.	
22	193	Q.	And have you defended any ECPA cases in the national	
23			surveillance sphere?	
24		Α.	I don't believe I have, no.	
25	194	Q.	Now can I just ask you to go back to that paragraph,	14:10
26			you will see there the multi-layered oversight of those	
27			activities. And again I would ask you, given that you	
28			were giving an opinion specifically in the national	
29			surveillance sphere and given that this is a sphere	

1			where notification is a difficult issue, would you	
2			agree with that proposition?	
3		Α.	It can be, yes.	
4	195	Q.	Yes. In that context isn't oversight very important?	
5		Α.	Again I don't really think I can offer an opinion on	14:11
6			that. What I offered an opinion on really was the	
7			civil remedy side of this. Oversight is a component of	
8			it, I don't think I can make a value judgment as to its	
9			importance in that context.	
10	196	Q.	Can one evaluate adequacy of remedies without looking	14:11
11			at oversight in this context?	
12		Α.	Again I can't, as I understand the context, it's an	
13			adequacy question under EU law and I can't really offer	
14			an opinion on how one would assess adequacy under EU	
15			law.	14:11
16	197	Q.	No, it's an adequacy, can I put it to you that what you	
17			are being asked to look at was adequacy of remedies in	
18			the US context, you have been asked to opine on the	
19			nature of the remedies in the US context; isn't that	
20			right?	14:11
21		Α.	I think there is a distinction. I did not offer an	
22			opinion in any way under US or EU law about the	
23			adequacy of the remedies. I tried to identify what	
24			remedies I thought would be relevant, so I think there	
25			is a distinction.	14:12
26	198	Q.	Yes. But you were also asked to talk about, I think,	
27			the contours and the restrictions on remedies; isn't	
28			that right?	
29		Α.	Yes.	

- 1 199 Q. Yes. So doesn't that inexorably lead to, I suppose, a conclusion about whether or not those restrictions mean that the remedies are adequate or not?
- A. I don't think so. Again I was trying to identify where

 a plaintiff could or couldn't lay out a cause of

 action I wasn't trying to look at the oversight
- action. I wasn't trying to look at the oversight.

 I almost was assuming in essence that you had, you
- could meet the standards and you had an act that you could get into court with at some level and so I didn't
- look at oversight and I wouldn't think it would be part 14:12 of it, no.
- 12 200 Q. And do you think the DPC looked at oversight?
- 13 A. I don't know.
- 14 201 Q. Did the DPC look at indirect recourse or remedies?

 15 MS. JUSTICE COSTELLO: I think, Ms. Hyland, that's 14:12 straying out outside. I mean he is giving evidence of what he did in relation to US law.
- MS. HYLAND: Very good. Can I ask you then please to
 look at the page, I think if you just turn on, near the
 end you will get to page 207/102, do you see that?

 I think we started on page 91 and you go on to page
 102, if you could.
- 23 A. It starts with "as an example of these efforts"?
- 24 202 Q. Well, no, there's a heading "redress", do you see that?

- 25 A. I do, yes.
- 26 203 Q. Yes. Now can I ask you first of all, I should have 27 asked you this at the start, did you ever see, have you 28 seen this letter before?
- 29 A. I believe this is part of the Privacy Shield exhibits.

1			I did review the Privacy Shield exhibits at some level	
2			when I did my supplemental report.	
3	204	Q.	Yes.	
4		Α.	So I believe I have.	
5	205	Q.	Yes. But before you provided your main report, had you	14:13
6			seen this letter?	
7		Α.	No.	
8	206	Q.	No. I presume when you were doing your main report you	
9			had the assistance of people working in your firm, is	
10			that correct to say?	14:14
11		Α.	I did. I had some associates pull research together	
12			for me.	
13	207	Q.	Yes. Can I just ask you to look please then at the	
14			parts on redress. And you'll see there that there's an	
15			identification of redress and it says:	14:14
16				
17			"US law provides a number of avenues of redress for	
18			individuals who have been the subject of unlawful	
19			electronic surveillance for national security purposes.	
20			Under FISA the right to seek relief in US court is not	14:14
21			limited to US persons. An individual who can establish	
22			standing to bring suit would have remedies to challenge	
23			unlawful electronic surveillance under FISA."	
24				
25			And then there is an identification of the three,	14:14
26			I think, or four in fact, different grounds there under	
27			FISA, the 1810, 2712, 1806 and 1809. And in fact they	
28			are very, it's a very similar summary to the summary	
29			that you have in your own report I think it's fair to	

1			say, do you agree with that?	
2		Α.	I would have to look at my report.	
3	208	Q.	Yes, of course. I think you have your report there and	
4			if I could direct you to the relevant passage. So	
5			I think it starts at (a), do you see on page 2, and	14:15
6			then it goes on, page 3 onwards. And I think you deal	
7			with many of the same topics that are identified here.	
8			So do you see there, if I can ask you to start looking	
9			at page 2(a)(i), do you see that, 18 USC 2712?	
10		Α.	Yes.	14:15
11	209	Q.	Yes. Then turning on, No. 2 USC 1810, do you see that?	
12		Α.	Yes.	
13	210	Q.	In your own report I'm asking you to look at, yes. And	
14			then 1806. I think those are all identified there, as	
15			are, I think, an additional one which is in relation to	14:15
16			1809, do you see that, the last line there?	
17		Α.	I don't think I identify 1809.	
18	211	Q.	Sorry, I beg your pardon, that's what I am trying to	
19			identify, that there is an additional one in the Bob	
20			Litt letter. The 1809 in other words is identified in	14:16
21			the Bob Litt letter, but it wasn't identified in your	
22			report?	
23		Α.	Yes, that's correct. Because it covers criminal	
24			penalties and that wasn't within the scope of what	
25			I was opining on.	14:16
26	212	Q.	Yes. And then if you look at the next paragraph:	
27				
28			"EU citizens have other avenues to seek legal recourse	

against US government officials."

1			And what's identified there is the Computer Fraud and	
2			Abuse Act and the Electronic Communications Privacy Act	
3			and the Right to Financial Privacy Act. And again if	
4			I could just ask you to go a little bit further on in	
5			your report, one sees those same statutes identified.	14:16
6			So I think at page 9 you identify ECPA and I think then	
7			at page 11 you identify the Computer Fraud and Abuse	
8			Act and then at page 12 you identify the Right to	
9			Financial Privacy Act. Do you see that?	
10		Α.	I do, yes.	14:17
11	213	Q.	Yes. And then there's also, going back to the Bob Litt	
12			letter, there's a reference to the Freedom of	
13			Information Act and you also identify that at page 10	
14			of your materials; isn't that right?	
15		Α.	Yes.	14:17
16	214	Q.	Yes. And I suppose what I'm asking you, having regard	
17			to the contents of that letter and the contents of your	
18			report, would you accept that it was a relevant matter	
19			for the DPC to have had regard to this letter in	
20			particular given its focus on US law and given the task	14:17
21			she was carrying out?	
22		Α.	It is certainly something that could be well again	
23			I can't go behind the DPC and really look at what, how	
24			one would do the adequacy analysis. I simply was	
25			trying to lay out what I thought were the most likely	14:17
26			causes of action and to the extent this has relevance	
27			under law that I don't really, you know cannot opine	
28			on, I can't really say.	
29	215	Q.	I see. Because can I just ask you to look at the DPC's	

- decision and you will see that in her decision --
- 2 A. Which tab is that, I apologise.
- 3 216 Q. I am so sorry. So this is Tab 18 of a separate book

14:18

14:18

14:19

- 4 that you've been looking at, I think it's Tab 18.
- 5 A. Yes, it is.
- 6 217 Q. Yes.
- 7 A. Just give me a moment to get this, I apologise.
- 8 218 Q. Sorry, we're jumping around a bit from book to book.
- 9 A. Are we done with the Litt letter or do we need it?
- 10 I'll keep it there. That's fine.
- 11 219 Q. Perhaps for the time being we can put it away. No, I'm
- not going to come back to it now, so keep it perhaps
- somewhere you can find it if needs be, but, no, I think
- we are finished with that for the moment. So, yes,
- this is just back to Book 1.
- 16 A. Yes.
- 17 220 Q. And you will see that the DPC at paragraph 52 of her
- decision please,
- 19 A. Yes.
- 20 221 Q. And you will see there that she does in fact make
- 21 reference to a Draft Decision on the Privacy Shield by
- the European Commission, do you see that, the writing
- in italics?
- 24 A. I do see that, yes.
- 25 222 Q. And again I'm putting to you that, given that she did
- look at some material in respect of the Privacy Shield,
- 27 that it would have been useful for you, for example, to
- have the US material, would you accept that?
- 29 A. Well, again I can't say what is in the US material

- since I haven't seen it.
- 2 223 Q. Yes.
- 3 A. So again I tried to take an independent view of what
- 4 I would file were I to have a European citizen come
- 5 into my office and say 'I believe this happened, what
- 6 are the causes of action'. So I can't really speculate

14:20

14:20

- on whether looking at something would be helpful or not
- 8 if I don't know what it is.
- 9 224 Q. Yes. Was it of concern to you that the DPC hadn't
- identified the comparator for you? In other words, you 14:20
- were being asked to look at US remedies in the sphere
- of national surveillance but you had no idea against
- 13 what they were to be compared, was that a concern to
- 14 you?
- 15 A. I wasn't doing a comparison. Again I was trying to
- identify the remedies that I thought would be the most
- 17 relevant and most probable under US law and so, because
- I can't really offer opinions on EU law, I wouldn't
- really have the basis to know whether those were or
- 20 were not valid.
- 21 225 Q. Yes. Can I just move on to EU law then?
- A. Mm hmm.
- 23 226 Q. Just in relation to your writings on EU law because
- that is an area where you have written as part of your
- 25 three part book, the third part of it I think is in
- relation to international; isn't that right? I'm going
- 27 to hand up copies of extracts from the book please
- 28 (SAME HANDED TO THE COURT) (SAME HANDED TO THE
- 29 WITNESS), just to look at what you have written about

1			EU law.	
2				
3			I wonder could you just identify to the court this book	
4			and just maybe tell the court a little bit about it.	
5		Α.	Sure. This is the, it looks like the third volume of	14:21
6			my treatise with Thompson Reuters that covers	
7			international law. And again the book, you know I am a	
8			US lawyer, what I have tried to do is a book directed	
9			to the US market, at least lay out some source	
10			materials as I understand them to try to help in-house	14:21
11			counsel really at least see what a baseline is of some	
12			of the provisions. I don't get into, I don't think, a	
13			lot of analysis of it because frankly, I mean to the	
14			extent I do, I'm not really - I don't practice in the	
15			EU, so it's really out there as a resource to try to	14:21
16			help US lawyers. But I don't see it as a definitive	
17			work that would be relied upon in the EU	
18	227	Q.	Yes.	
19		Α.	or other countries for that matter.	
20	228	Q.	Well, I presume it is relied on in some respects in	14:22
21			other countries because it is part of your three part	

the vast majority of the market really is US lawyers,
just trying to get a baseline. I mean I think
I include, and I am sure you have the table of contents
there. For example, I think I include Qatar.
I certainly wouldn't want to go practice in Qatar so

22

23

29

series?

Α.

I have tried to identify where I can source material in

Again it's a book in English that I think the market,

_			Eligitish of chanstactons just to give people soil of a	
2			running start if you will.	
3	229	Q.	Yes. I think you might be referring to what we call	
4			Qatar?	
5		Α.	I am sorry, that is the American pronunciation,	14:22
6			I apologise.	
7	230	Q.	Not at all. Can I just ask you	
8			MS. JUSTICE COSTELLO: I don't know which is the right	
9			one.	
10		Α.	I don't know either, but I'll go with the Irish one	14:22
11			here.	
12	231	Q.	MS. HYLAND: Yes, it may not be the right	
13			pronunciation. Can I just ask you to look at page 32	
14			of the extract that I have handed in to you. You will	
15			see there there's a heading the "EU Data Directive", do	14:23
16			you see that?	
17		Α.	I do.	
18	232	Q.	Now just before that, though, there's the heading the	
19			"Safe Harbour programme" and you refer, just at the	
20			line before the heading, you say: "This would be an	14:23
21			open issue."	
22				
23			I think you say under 2.5: "Companies that are subject	
24			to the FTC or Department can enter the Safe Harbour	
25			programme and then receive data from the EU."	14:23
26				
27			Now this book is June 2016; isn't that right?	
28		Α.	That is when it was published, yes.	
29	233	Ο	Ves You see the second page of it you will see	

1			"issued in June 2016"?	
2		Α.	Yes.	
3	234	Q.	But I think in fairness you say at the previous page -	
4			sorry, what I have copied as the previous page, if you	
5			just turn back one page, that's page 4 - you do say,	14:23
6			about half way down the page: "As of the date of	
7			publication Safe Harbour has been invalidated and there	
8			are open issues regarding what the contours of Safe	
9			Harbour 2.0 will be."	
10				14:24
11			Now in fact it is true to say that by June 2016 there	
12			was a draft Commission decision, wasn't there, in	
13			relation to Safe Harbour? So it was actually I think,	
14			perhaps one couldn't say with finality what it would	
15			look like, but there was a fairly good idea as to,	14:24
16			I suppose, areas that Safe Harbour, sorry the Privacy	
17			Shield, which was the substitute for Safe Harbour,	
18			would look like, what you describe as Safe Harbour 2.0,	
19			would you accept that?	
20		Α.	I think there was stuff out there, but I think the	14:24
21			challenge of, I mean I'll be very blunt about the book,	
22			there are really two challenges. Given the size of it	
23			which is three volumes, I can't, I would have to make	
24			it my full-time job obviously to update every thing	
25			every time. I tried to hit what I can, that I think	14:24
26			are the important points.	
27				
28			And without going into detail, I would not like to in	
29			open court but I had two family bereavements in 2015	

1			and 2016, so to be completely honest with you my	
2			updates were not as probable fulsome as they otherwise	
3			would be.	
4	235	Q.	Yes. Thank you, Mr. Serwin. I think as professionals	
5			we all understand how difficult it can be keeping up	14:25
6			with the law sometimes.	
7				
8			Can I just ask you about page 32 and 33, this is in	
9			relation to the data, the EU Data Directive. You'll	
10			see there at page 33 you refer to, this is the last	14:25
11			sentence, you say:	
12				
13			"It does not, however, apply to the processing of	
14			personal data in the course of an activity which falls	
15			outside the scope of Community law to processing	14:25
16			operations concerning public security defence, State	
17			security, the activities of the State in areas of	
18			criminal law."	
19				
20			Mr. Serwin, do you agree with me that the activities of	14:25
21			national surveillance authorities are not subject to	
22			the scope of the EU data Directive in the EU?	
23		Α.	Again that is what, you know I have written what I have	
24			written. I can't, I don't feel comfortable in a	
25			European court offering opinions on European law,	14:26
26			particularly given the scope of what I was asked to do	
27			here.	
28	236	Q.	Yes.	
29			MS. JUSTICE COSTELLO: Ms. Hyland, I appreciate that	

1			you are allowed to cross-examine the witness in	
2			relation to consistencies of his views and those such	
3			matters, but for good or ill, and we may all have our	
4			own views on that, I am afraid I'm the one who has to	
5			decide what EU law means in this court.	14:26
6			MS. HYLAND: Of course, Judge.	
7			MS. JUSTICE COSTELLO: So his opinions as to what they	
8			are.	
9			MS. HYLAND: Yes.	
10			MS. JUSTICE COSTELLO: It's not the right or wrong,	14:26
11			it's the consistency you may cross-examine on.	
12			MS. HYLAND: Yes. Very good, Judge. So, Mr. Serwin,	
13			I wonder then can I ask you to turn please to the	
14			report that you did and there's just a couple of things	
15			I wanted to ask you about it.	14:26
16				
17			I think you have already been looking at this in brief	
18			with Mr. Murray. I think at the very first page you	
19			say "it provides a non-exclusive overview", do you see	
20			that?	14:27
21		Α.	Yes, I do.	
22	237	Q.	Yes. And what did you mean by that, just explain that	
23			maybe to the court.	
24		Α.	Yes, and I would read it in context with the second	
25			sentence as well. What I was trying to say is, as	14:27
26			I have said earlier, I tried to identify what I felt	
27			were the most likely and most effective causes of	
28			action without, you know I tried to list what I thought	
29			would fit within that category. I didn't exclude	

- anything I thought would be relevant, but I also didn't
- 2 want to say that I was providing an exclusive list of
- 3 everything anyone could ever come up with.
- 4 238 Q. And did you discuss that with the DPC?
- 5 A. Hmm, the DPC certainly saw the memo --
- 6 239 Q. Yes.
- 7 A. -- with that heading. I don't remember if there was a

14:28

14:28

- 8 specific discussion about it. But I believe that we,
- 9 you know again I never thought I could nor would
- I think any lawyer would want to say this is the entire 14:28
- universe of everything that anyone could ever think of.
- 12 And that's really, I was trying to again convey, I was
- 13 trying to find the most likely potential causes of
- 14 action and that's what I think I did.
- 15 240 Q. Yes. Can I just ask you, you said I think you had
- given a draft to her on 11th May and then --
- 17 A. It wasn't a draft.
- 18 241 Q. If it wasn't a draft, what was it?
- 19 A. It was a final, it was what I thought would be the
- 20 final.
- 21 242 Q. Yes.
- 22 A. Except then the **Spokeo** case came out on the 16th.
- 23 243 Q. Yes.
- A. And so I added the **Spokeo** case.
- 25 244 Q. You added that.
- 26 A. So I would not consider that a draft.
- 27 245 Q. Did she get any drafts from you?
- 28 A. I think I had sent a draft prior to the 11th, but
- I don't remember the exact details of that.

- 1 246 Q. I see. Can I just ask you then please to go to section
- 2 which is headed up "remedies available to EU citizens
- 3 under US law", it's at page 2. This is in relation to
- 4 wilfulness and I think the footnote you identify that
- wilfulness covers both knowing and reckless violations
- of a standard; isn't that right, this is in relation to
- 7 1806a?
- 8 A. Yes.
- 9 247 Q. Yes. And can I ask you, if, for example, an employee
- in the NSA took highly classified documents and left

14:29

- them on the bus, do you think that would come within
- the definition of reckless?
- 13 A. I think it could, yes.
- 14 248 Q. Yes.
- 15 A. I mean, you know -- I think, it's somewhat of a fact
- specific determination, but I couldn't exclude the
- possibility that that would be wilful, yes.
- 18 249 Q. Yes. And you fairly say that the Fikre court rejected
- the argument that wilfulness requires a showing that
- the government agents engaged in conduct with the
- conscious objective of committing a violation; isn't
- that right?
- 23 A. Yes, that's correct.
- 24 250 Q. Very good. You then, a number of paragraphs on, you
- 25 say that: "The requirement for wilful violation serves 14:30
- as a limitation to anyone, including an EU citizen, in
- 27 bringing a suit under this provision"?
- 28 A. Yes.
- 29 251 Q. I suppose what that means is that if there's an honest

1			mistake, if you like, there would be no liability; is	
2			that correct?	
3		Α.	What I was trying to say, what I was saying there is it	
4			certainly would exclude strict liability or negligence.	
5			I mean I think wilfulness is higher than negligence,	14:30
6			it's lower than intentional. And so just like any	
7			element of a cause of action obviously is some form of	
8			limitation, so the fact that there is something above	
9			strict liability or negligence is some form of	
10			limitation.	14:30
11	252	Q.	Yes. Obviously in respect of these three different	
12			causes of action, all of which may be found I think	
13			under 2712; isn't that right?	
14		Α.	I don't want to nitpick, I think the waiver of	
15			sovereign immunity is in 2712 I think is probably the	14:3
16			appropriate way to say it but, yes.	
17	253	Q.	I think in fact if you go to 2712 you actually see each	
18			of those sections are identified in 2712, maybe we	
19			might just briefly look at 2712.	
20		Α.	No, they certainly are. 2712 doesn't contain the	14:3
21			violations, it references those sections.	
22	254	Q.	Absolutely.	
23		Α.	Yes.	
24	255	Q.	But it identifies with particularity the sections,	
25			doesn't it?	14:3
26		Α.	I believe it does, yes.	
27	256	0.	Yes. And doesn't it also deal with breaches of ECPA as	

we11?

Α.

It does.

28

1	257	Q.	Yes. Isn't it absolutely under 2712 that the United	
2			States government is the defendant?	
3		Α.	Yes.	
4	258	Q.	Yes. So there's no issue about sovereign immunity in	
5			this context?	14:31
6		Α.	2712 is a waiver of sovereign immunity.	
7	259	Q.	Yes, exactly. And can I just ask you to look at 2712c	
8			so I'm just going to ask you to look	
9			MS. JUSTICE COSTELLO: Which book of materials will we	
10			find this at?	14:32
11			MS. HYLAND: I am so sorry, it's Book 14. Can I just	
12			perhaps, there is two books, because we're moving on to	
13			the US materials, Book 14, 1 and 2, I hope they are the	
14			same, and there's been some confusion about the	
15			numbering of the booklet.	14:32
16			MS. JUSTICE COSTELLO: It's the tabs will help me.	
17			MS. HYLAND: I see, I am sorry.	
18			MS. JUSTICE COSTELLO: No, no. It starts at 19 and go	
19			through to 33.	
20			MS. HYLAND: Yes. So it starts at 1, Judge, of the	14:32
21			material, and I hoping my tabs are the same, but it	
22			will go to Tab 49 I think the two books that I have,	
23			that comprises books 1 and 2.	
24		Α.	And I have 1 and 2 and go to 33.	
25			MS. HYLAND: Book 1 to 3, Judge, that you have, yes,	14:32
26			exactly. I think we have the same tab numbers. Judge,	
27			we have the same tab numbers, happily.	
28				

29 260 Q. So I'm just going to ask you to look please,

1 Mr. Serwin, at -- so I'm going to ask you to look at 2 Tab 6? 3 Okay. Α. 4 261 I think it's some pages in. Q. It looks like page 617. 5 Α. 14:33 Exactly, exactly. Can I ask you to go to, you'll see 6 262 Q. 7 (a) and I think that's where we see with particularity 8 the various sections of FISC identified: isn't that 9 right? 10 Yes. Α. 14:33 11 Yes. And then can I just ask you to look down to the 263 Q. 12 bottom of that column, you'll see 2712c, do you see that, under the heading "administrative decision"? 13 14 Yes. Α. 15 264 Yes. Q. 14:33 16 MS. JUSTICE COSTELLO: Sorry, I'm not with you. 17 MS. HYLAND: Sorry, Judge. 18 MS. JUSTICE COSTELLO: I'm on the page, we have two 19 columns, Tab A; is that right? In two tabs? 20 MS. HYLAND: Two columns, exactly. There's a heading 14:33 21 2712 "civil actions against the United States", I don't 22 know if the court has that, on the right-hand column. 23 MS. JUSTICE COSTELLO: I've got "unlawful access, stored communications". 24 25 MS. HYLAND: Okay. So there's an internal pagination 14:34 26 617. 27 MS. JUSTICE COSTELLO: oh, 617.

MS. HYLAND: I am sorry, Judge. It's divide 6.

MS. JUSTICE COSTELLO: Yes, I have. "Civil actions",

28

1			yes, thank you.	
2			MS. HYLAND: Exactly, thank you. Do you see there,	
3			Mr. Serwin, at the bottom of that column there is a	
4			heading (c) "administrative discipline", do you see	
5			that?	14:34
6		Α.	I do.	
7	265	Q.	Yes. And are you familiar with that?	
8		Α.	I am.	
9	266	Q.	What does it say?	
10		Α.	"If a court or appropriate department or agency	14:34
11			determines that the United States or any of its	
12			departments or agencies has violated any provisions of	
13			this chapter, and the court or appropriate department	
14			or agency finds that the circumstances surrounding the	
15			violation raise serious questions about whether or not	14:34
16			an officer or employee acted wilfully or intentionally	
17			with respect to the violation, the department or agency	
18			shall, upon receipt of a true and correct copy of the	
19			decision and findings of the court or appropriate	
20			department or agency, promptly initiate a proceeding to	14:35
21			determine whether disciplinary action against that	
22			officer or employee is warranted. If the head of	
23			department or agency involved determines that	
24			discipline action is not a warranted, he or she shall	
25			notify the Inspector General with jurisdiction over the	14:35
26			department or agency concerned and shall provide the	
27			Inspector General with the reasons for such	
28			determination."	
29	267	Q.	Yes. So in brief I suppose can you just describe, what	

Τ			do you see the function of that provision being?	
2		Α.	I think that if in essence a it allows actions to be	
3			taken against an individual employee of the United	
4			States government if there's a certain violation of	
5			2712.	14:35
6	268	Q.	Yes. And I think it goes so far as to say that when	
7			there is a proceeding to see whether disciplinary	
8			action is needed and if it's decided that disciplinary	
9			action is <i>not</i> warranted, the head of the department has	
10			to notify the inspector general and give the inspector	14:36
11			general the reasons for that determination; isn't that	
12			right?	
13		Α.	That appears to be correct, yes.	
14	269	Q.	And do you think that that reflects, if you like, the	
15			seriousness with which this statute takes a breach of	14:36
16			the relevant provisions?	
17		Α.	I think, look you have a waiver of sovereign immunity	
18			against the United States government, I think that is	
19			probably a more significant one, but I think that is a	
20			significant one too.	14:36
21	270	Q.	Yes. And can I just ask you to look back up then to	
22			paragraph 4, the same column, and it starts with the	
23			words, "notwithstanding any other provision of law", do	
24			you see that?	
25		Α.	Yes.	14:36
26	271	Q.	And perhaps, could you just identify what that section	
27			is about?	
28		Α.	I read it as saying that the procedure set forth in	

29

those statutes, which I believe, what I cite to

1			earlier, are the exclusive way that materials governed	
2			by those sections can be reviewed, I presume by a	
3			court.	
4	272	Q.	Yes. And isn't it the case that in Clapper -v- ACLU	
5			this was the section that was the subject of some	14:37
6			discussion by the Court of Appeals; isn't that right?	
7		Α.	The Second Circuit <u>Clapper</u> ?	
8	273	Q.	Yes, ACLU.	
9		Α.	Yes. I believe it was, yes.	
10	274	Q.	And can you recall what was the conclusion on that or	14:37
11			if you want I can refresh your memory?	
12		Α.	One of the conclusions I know was that 2712 acted as	
13			blocking claims for injunctions under the	
14			Administrative Procedures Act where 2712 was in play,	
15			but beyond that I probably want to look at the opinion.	14:37
16	275	Q.	Yes, of course and we can come to that. But I can just	
17			put it to you, Mr. Serwin, that the government did make	
18			the argument that because there was an identification	
19			of those relevant sections here, that the APA was not	
20			applicable and the court held that in fact, because	14:37
21			there was such a particular identification, it was	
22			only, the APA was only not applicable where those	
23			particular provisions were at issue and it didn't	
24			preclude the application of the APA in other	
25			circumstances, do you think that's a fair summary of	14:38
26			what they said?	
27		Α.	I think, as I read Second Circuit Clapper it was under,	
28			and I know we know it as 215, I think it's 1861, but	
29			I could be wrong. Because that wasn't covered in 2712	

1 the court there concluded that there was no intent to 2 preclude injunctive relief. So I think it more looked at was the statute that was being litigated in that 3 case listed or not. They concluded it wasn't because 4 5 the review wasn't really intended for 215 cases because 14:38 6 I think notice wasn't provided in those cases. 7 particular with the Second Circuit Clapper case, it's a 8 case involving bulk collection. So the bulk collection 9 there, I think the government never intended those things to come out. They came out due to an illegal 10 14:39 11 leak. And so, as I read what the opinion did, it said 12 215 was never considered to be part of 2712; therefore, there's no waiver of sovereign immunity or intent to 13 14 preclude an injunction because the waiver was only 15 partial in 2712, that's really the issue here. 14:39 16 doesn't permit injunctive relief against the 17 government. 18 19 In other cases they have held because of that, and 20 I think implicit in Second Circuit **Clapper** but also in 14:39 21 Jewel, the 2013 Jewel case, it says that because 2712 22 doesn't permit injunctive relief, where 2712 is in play 23 the APA is not in essence. So I think it's more the

25 276 Q. You said the APA was not, were you going to say it was 14:39 not?

24

27

28

29

opposite.

A. Not in play, I am sorry. It wasn't, as I read <u>Jewel</u> and as I read Second Circuit <u>Clapper</u> even, where you have a remedy under 2712 the government specifically

1			hasn't waived sovereign immunity for injunctive relief	
2			because injunctive relief is not a remedy under 2712.	
3			And so <u>Jewel</u> affirmatively I believe says you cannot	
4			get APA injunctive relief in a case where 2712 claims	
5			are pled.	14:40
6				
7			The <u>Clapper</u> case I think somewhat does it implicitly	
8			because it says the claim at issue in that case was	
9			under 215, which I believe is not listed in the section	
10			we're talking about, and as a result in that case the	14:40
11			government said there was intent to preclude review	
12			under the APA. The claim in District Court case which	
13			again has the negative history attached to it does	
14			given a different way on that precise issue.	
15				14:40
16			Again I think, I'm not sure, the only issue I take with	
17			your question is I think, I'm not sure they said it is	
18			only these things, in that case wouldn't have cause to	
19			reach that. I think what they really said is because	
20			215 isn't listed in 2712, therefore there was no intent	14:40
21			to preclude.	
22	277	Q.	Yes. I think, Mr. Serwin, they said something like the	
23			"shards of legislative provisions" that were identified	
24			by the government, i.e. the relevant legislative	
25			provisions here were not enough to preclude the	14:41
26			application of the APA, would you agree with that?	
27		Α.	That I would want to read the exact words to see if	
28			shards were in there, but I think that's a fair	

278 Q. Happily we have the exact words in court.

29

- 1 A. Yeah, I am sure you do. But I think that's a fair characterisation.
- 3 279 Q. Yes. I think it is also true to say that ACLU wasn't
 4 about injunctive relief, I was also about a declaration
 5 that the statute had not been complied with; isn't that 14:41
 6 right?
- 7 Yes. I mean my focus and my comments were on -- and Α. 8 that's I think one of the differences frankly in that case versus what I was looking at. That was a 9 10 programmatic challenge to say the way the government 14:41 11 conducted itself under 215 violated the Constitution. 12 It was frankly an entity challenging it, not an individual. And it certainly could have been I assume 13 14 brought by an individual, there's nothing that would 15 preclude that. But to me that seemed like more of an 14:41 16 effort by the ACLU to say 'we think what you are doing 17 is unconstitutional at a programmatic level, we are challenging it', which is a little different I think in 18
- scope obviously than what I was looking at per se which is individual remedies again where I saw 2712 as being, 14:42
 I think, the primary remedy.
- 22 280 Q. But the court in fact didn't decide in <u>ACLU</u> on constitutional grounds, did it?
- A. No, it actually -- but I thought your question was what was the basis of the challenge.

- 26 281 Q. I see.
- 27 A. And I think that was the basis.
- 28 282 Q. Yes.
- 29 A. They got into mootness and there was the whole issue

Τ			obviously of, the statute was actually changing when	
2			the case was there but, yes.	
3	283	Q.	Because I think just when Mr. Murray was asking you	
4			some questions, initially you did identify it as a	
5			constitutional challenge. In fact it was a	14:42
6			constitutional challenge and a challenge in respect of	
7			the statute; isn't that right? There was a breach of	
8			statute alleged?	
9		Α.	I think that's right, but I think again the challenge	
10			was perhaps how they did it was unconstitutional.	14:42
11			I would want to look at the opinion.	
12	284	Q.	We can come back to it. I can tell you, Mr. Serwin,	
13			that ultimately the court said they didn't have to	
14			decide the constitutional issue because the statutory	
15			issue was determinative?	14:43
16		Α.	Right.	
17	285	Q.	Can I just ask you then, on Day 6 on the transcript at	
18			page 42 Judge Costello asked a particular question and	
19			I am going to put that question to you, if I may, and	
20			the question was if there was an operative in a	14:43

21 national security context, and I will just quote the words, the question effectively: If he had a negative 22 approach, for example, to gay people and discovered 23 24 that a well known person in the EU was engaging in an 25 activity that he didn't approve of and he leaked it on purpose, can I ask you, that question was posed by the 26 27 judge, and can I ask you to reflect on that question and to consider would the provisions that you have 28 29 identify would they respond to that type of activity?

1	Α.	I am sorry, can you repeat the first part, I lost the
2		first part of that question.

Of course. So in substance, let us say there was a Q. malicious leak from the NSA by one of the operatives for reasons of prejudice or whatever else and they decided to leak material in order to damage somebody, in that situation would the provisions that we have just been looking at under 2712 would they be operative, would they apply to that kind of activity?

14:44

10 A. I think they could, yeah. I mean it would depend on 14:44

11 the facts, but I think it certainly could.

12 287 Q. Of course, yes. Very good. Can I just ask you then to
13 go back and look at your report please and you'll see
14 that at page 2 and page 3 you set out provisions of
15 2712. Then the last paragraph, before we come to 1810, 14:44
16 the last paragraph you go on and you say:

"Section 106(a) and 305(a) also provide that information acquired under PISA concerning any United States person may be used and disclosed only in accordance with certain minimization procedures. Section 405(a) also provides further provisions that must be complied with for use and disclosure of information acquired from pen registers or trap and trace devices concerning United States persons. Because the minimization procedures or further provisions apply only to United States persons - defined as U.S. citizens and lawful residents or U.S. corporations - EU citizens who are not U.S. citizens or

residents would not be able to bring a claim under

Section 2712 for non-compliance with these minimization

procedures or further provisions."

And you will see, and we'll come to the DPC decision at 14:45 the end of looking at American law, but you will see that considerable reliance was placed by the DPC in the decision in respect of that. Can I ask you to clarify first that what you were talking about in that paragraph there was separate and distinct from the remedies that you had identified under 2712; in other words, that that paragraph didn't, if you like, condition the remedies you had already identified under 2712?

14:45

14:46

14:46

A. What I was saying is there is certain claims that a US person could claim that an EU person could not. I will also note, if you look at page 17 of my report, the second to last paragraph. I talk about the remedies and how they may be different for US and EU citizens and you will note the last sentence there after footnote 103 says: "The two differences in remedies available to EU citizens are likely not material."

23 288 Q. Yes.

A. So I wanted, again because I knew this point could be going in front of the court, I tried to note things to be as balanced as I could. I felt it was important to note that, but also to give context in the conclusion to say, while it is different, I didn't see it as a material difference.

1	289	Q.	Yes. So, in other words, if you like they were	
2			additional rights that US persons might have which	
3			weren't available to EU persons, but they didn't	
4			infringe on, if you like, the main rights under 2712	
5			that you had been talking about, is that fair to say?	14:46
6		Α.	I think it's fair to say that there's a slightly	
7			broader scope of conduct that US citizens can bring	
8			claims on than EU citizens but not a material one.	
9	290	Q.	Yes. Do you see your sentence: "Section 405(a) also	
10			provides further provisions that must be complied with"	14:47
11			and so on, do you see that sentence?	
12		Α.	Yes.	
13	291	Q.	And there's a footnote then, USC 1845, do you see that?	
14		Α.	Yes, and that deals with, I believe, the trap and trace	
15			and pen registers.	14:47
16	292	Q.	Yes. Did you give the DPC any side information or	
17			additional information in relation to that?	
18		Α.	No, I did not.	
19	293	Q.	So she didn't know any more than what was there?	
20		Α.	Not from me, no.	14:47
21	294	Q.	Okay. Because I'll put it to you later that she placed	
22			fairly heavy reliance on this part of your report and	
23			I just want to ensure that it is the case that she	
24			didn't have any additional material beyond which is	
25			provided for?	14:47
26		Α.	I can't say what she did or didn't have From anyone	
27			else. I can only say this was what I gave her.	
28	295	Q.	I am sorry, I should have said from you?	

29

A. Yes.

1	296	Q.	Thank you. Can I just then please go on to USC 1809	
2			and I think that is in relation to a felony; isn't that	
3			right? I think you identify there that you hadn't	
4			referred to 1809, and maybe we might just look very	
5			briefly at 1809, if you could go back to the	14:48
6			legislation book where you were looking at 2712, and	
7			you'll see that, if I could just ask you please to go	
8			to Tab 3 of that book. And you'll see there under 1809	
9			there is a criminal offence; isn't that right?	
10		Α.	It's entitled "criminal sanctions", yes.	14:48
11	297	Q.	Criminal sanctions, exactly, yes. Can I then also ask	
12			you while we're here to also look at 1806 please. And	
13			1806, I think you may have mentioned that, am I correct	
14			in that?	
15		Α.	Yes, I did mention it;	14:49
16	298	Q.	On page 4 you mentioned it, didn't you? Yes, that's	
17			right. And if you just look at 1806, can you just	
18			summarise to the court what does 1806 provide?	
19		Α.	In essence 1806 provides an exclusionary remedy in	
20			cases where you have a violation of certain statutes.	14:49
21			The penalty there is that the government cannot use	
22			illegally obtained information. It's a very common	
23			I would say issue under US law, most of the time with	
24			the illegally wiretaps. There is some kind of	
25			exclusionary remedy so the government can't use	14:49
26			illegally obtained information if it violates the	
27			statute.	
28	299	Q.	Yes. Do you think it's an important, if you like,	
29			piece of the jigsaw, clearly it's not a direct remedy,	

- but do you think it's an important piece of the jigsaw in terms of safeguards and oversight?
- A. Again I didn't opine on safeguards and oversight.

 I felt even though the memo, my memo focussed on civil remedies, I felt that I should include it in sort of

14:50

14:50

- the, in being complete because it did tie into 2712.

 I don't practice criminal law so I can't really assess
 how important it is or isn't. I assume it has some
 importance, but it wasn't really in the scope of what
 -- I included it because I thought it should be
 included in the interest of sort of independence to the
 court, but I didn't see it as core to my report in the
- 14 300 Q. Can I ask you a different question: Do you see it as
 15 relevant, given the case law that effectively makes it
 16 very important for persons who are seeking standing to
 17 have some knowledge of the programmes that are at
 18 issue?

sense that wasn't what I was asked to do.

13

19

20

21

22

23

24

25

26

27

28

29

A. I don't. Because I suspect, and I will admit I am speculating a bit here, but I suspect the number of criminal prosecutions in the United States where evidence is used in the foreign intelligence base compared to the number of people that may have their information monitored without notice is probably small. So I don't, I can't really assess the importance in the sense of saying it's critical or not. It certainly is important if the government is trying to use that information against someone in a criminal case.

I don't think it ties into standing because that's

1 certainly, the way that a person would have notice is 2 they are being prosecuted for a crime. It isn't as if 3 the government came and said 'hey, by the way, we were monitoring you' and therefore you get to exclude it. 4 5 I read it as saying where someone is trying to 14:51 6 introduce evidence and you already know you were 7 monitored because you are being prosecuted, it had 8 relevance there, but I don't know that it ties into

standing.

9

18

19

20

21

22

23

24

25

26

27

28

29

What about this: The disclosure by the government will 14:52 10 301 Q. 11 require them to identify the programme, when 12 information like that is in the public domain, potential litigants can use that information to assist 13 14 in their claim for standing, didn't we see that in ACLU 15 <u>-v- Clapper</u>, we saw it in <u>Amnesty</u>, there's a number of 16 different cases where you see plaintiffs doing that, 17 don't you?

> well, you see it but based on the leaks, we'll call it, Α. with Edward Snowden. So I think the challenge in this space now candidly is, that information is out there 14:52 and there has obviously been, without getting into the merits of which version of it is true or not, the reality is I suspect, there have been changes to surveillance law since those disclosures. I think the government, I don't know that it would have to disclose 14:52 the programme if it disclosed necessarily that it was monitoring someone. That's not, I will freely admit, But I don't accept that not my core expertise. necessarily because you disclose in a criminal case you

Т			would have to disclose the programme, I m not sure	
2			that's true. I can't say it's not true.	
3				
4			But I think ultimately the problem with notice and	
5			standing in the US comes down to, you know if you came	14:53
6			in my office and said I believe I was monitored by the	
7			United States government and couldn't provide any	
8			evidence at all or reason to think it how do I know,	
9			how do you know and I think 1806 doesn't change that.	
10	302	Q.	Can I just ask you to look at the case of wikimedia -v-	14:53
11			NSA, so go into those books of American law, Tab 27 and	
12			I think this is a 2015 case.	
13		Α.	Yes, I'm there.	
14	303	Q.	Can I put it to you that this case is an example of how	
15			criminal challenges may be important in establishing	14:54
16			standing. This was a case, you'll see there on page 1	
17			of that memorandum opinion, this is the latest in a	
18			series: "The recent series of constitutional	
19			challenges to the National Security Agency's data	
20			gathering efforts."	14:54
21				
22			Actually, just while I'm on it, would you agree that	
23			this is a very vibrant active space, if you like, this	
24			issue of challenging surveillance programmes in the	
25			United States over the last five or ten years?	14:54
26		Α.	Certainly five, yes.	
27	304	Q.	Yes.	
28		Α.	I think it certainly became much more vibrant after the	

revelations.

29

- 1 305 Q. Yes.
- 2 A. Alleged revelations by Edward Snowden.
- 3 306 Q. Yes, although there were some important cases before that, weren't there?
- A. Absolutely. I mean for example, the <u>ACLU</u> case I cite 14:54
- for saying that overseas wiretap was not, did not fall
- 7 within the APA was, I think, 2007. So there obviously
- 8 were cases going on back then, yes.
- 9 307 Q. Exactly. I think the Bates decisions, the FISA court
- decisions, there is the two decisions of the FISA court 14:55
- itself in 2011, are you familiar with those decisions?
- 12 A. I have seen them before, I would want to look at them.
- 13 308 Q. Yes.
- 14 A. But I am familiar with them, yes.
- 15 309 Q. Yes. They were decisions where the FISA court was
- 16 reviewing the application by the government for orders

14:55

- 17 and refused some of those orders?
- 18 A. Yes, which is, I think, more to the your, the point you
- were discussing earlier which is the oversight piece of
- it. It's not within this, but those are, as
- I understand them, oversight cases.
- 22 310 Q. Precisely. But can I come back to, I suppose, the
- individuals remedies piece and the importance of
- criminal activities and prosecutions and in particular
- 25 1806. Can I just ask you to look at page 21 and you
- will see here that the basis of standing is directly
- 27 linked to a criminal prosecution and I beg your
- pardon is directly linked to, yes, a criminal
- 29 prosecution. You'll see there that the plaintiffs are

1			seeking to distinguish themselves from the <u>Clapper</u> case	
2			and I think they are referring to the Amnesty -v-	
3			<u>Clapper</u> there because in fact they are very similar	
4			plaintiffs who are in the Amnesty -v- Clapper case.	
5			You'll see under the heading (d): "Although six of the	14:56
6			nine plaintiffs in this case", do you see that, "were	
7			plaintiffs in <u>Clapper</u> "?	
8		Α.	Yes.	
9	311	Q.	"The plaintiffs have identified two differences related	
10			to the new parties: Two clients of an NACDL attorney	14:56
11			have received notice that they are targets of Section	
12			702 surveillance and Wikimedia engaged in over one	
13			trillion communications."	
14				
15			Do you see there that they identify NACDL attorney	14:56
16			Dratel: "With respect to the first difference,	
17			plaintiffs argue that they adequately allege an actual	
18			injury because the government acknowledged that NACDL	
19			attorney Joshua Dratel's client, Hasbajrami, was	
20			subject to Section 702 surveillance and another Dratel	
21			client, Sabirhan Hasanoff, was prosecuted on the basis	
22			of officially acknowledged 702 surveillance."	
23				
24			You see there that they go on to say that: "As a	
25			result of this government acknowledged surveillance,	14:56
26			Dratel's own international Internet communications were	
27			likely intercepted and retained because he almost	
28			certainly communicated with or about the targeted	
29			foreign individuals in the course of representing his	

1			clients. As plaintiffs note, it is similar to a	
2			hypothetical mentioned in <u>Clapper</u> , in which the	
3			government monitors target's conversations with his or	
4			her attorney."	
5				
6			And: "The Supreme Court in Clapper described such a	
7			scenario as having a stronger evidentiary basis for	
8			establishing standing."	
9		Α.	But I think this case, doesn't it dismiss on standing	
10			grounds?	14:57
11	312	Q.	It does dismiss, absolutely, but it dismisses on a	
12			different basis. Because if you go down you'll see	
13			there that what they say is that this case was only	
14			about Upstream. That was the only thing that was being	
15			challenged by Wikimedia here. And you will see, if you	14:57
16			keep on going down the page, you will see that what the	
17			court decides is:	
18				
19			"In neither of Dratel's cases did the government	
20			indicate whether the information at issue was derived	14:57
21			from PRISM or Upstream surveillance, and no factual	
22			allegations in the AC plausibly establish that Upstream	
23			Surveillance rather than PRISM was used to collect the	
24			information."	
25				14:57
26			So you are absolutely right they did, but isn't the	
27			point a more general one which is that 1806 is	
28			important because where the government prosecutes and	
29			where the government relies upon 702 surveillance and	

- there's a motion to dismiss, that at that point in time the surveillance is in the open --A. No.
- -- and is therefore relevant to standing? 4 313 Q. No, because -- let me take a step back. I think the 5 Α. 14:58 6 key in your question is the government prosecuting, that's how someone would find out, and I think that's 7 8 an issue on standing. So I don't think the exclusionary remedy, as I read your question, is the 9 10 important part. The important part is does someone 14:58 11 actually know that they have been surveilled. 12 I think that to me, I would take a step back in the chain which is someone being criminally prosecuted 13 would be relevant for standing because they would then 14 15 know you would have issues on standing. You wouldn't 14:58 have the age old question of how do you, the issues 16 17 that we have all talked about, how do you know if you I don't think the exclusionary remedy is 18 don't know. 19 the important piece of that, it's part of the consequence, but it's part of the consequence of 20 14:58 21 criminal prosecution.
- 22 314 Q. But the criminal prosecution is the important piece as vou see it?
- A. The important piece is how does someone, an individual
 determine they've been the subject of surveillance by
 the US government and criminal prosecution is one way
 that can happen, I think.
- 28 315 Q. Yes. I think it's fair to say, isn't it, that criminal prosecutions do shine a light on the government's

1			activities when the government is using the information	
2			that's been targeted?	
3		Α.	You know again I'm not a criminal lawyer in the US, but	
4			I would, you know in my civil capacity agree that that	
5			is. Not everything has to be disclosed, but more has	14:59
6			to be disclosed than if there is not a criminal	
7			prosecution.	
8	316	Q.	Yes. Can I just ask you to look at a case that I think	
9			is an example of that. This is a case, Judge it's not	
10			in the books, so I am sorry to hand you up a loose	14:59
11			copy, but it is only, it doesn't have to be, if you	
12			like, retained after this, it's just to give,	
13			I suppose, an example of (SAME HANDED TO THE COURT)	
14			(SAME HANDED TO THE WITNESS) the proposition that I'm	
15			putting to Mr. Serwin.	14:59
16				
17			And this is the case, Mr. Serwin, of USA -v- Mohammed	
18			Osman Mohamud, do you see that? Do you have that?	
19		Α.	I don't have it yet.	
20	317	Q.	Sorry, it should have been handed up to you, you are	15:00
21			the only person who didn't get it.	
22		Α.	I will have it soon, thank you.	
23	318	Q.	The person who needs it more than most, I think. Can	
24			I just ask you to turn over, so you will see that this	
25			was, 5th December 2016. In fact maybe you can help me	15:00
26			here, I have difficulties with the dates on these US	
27			decisions, does filed mean that is the date of the	
28			decision?	
29		Α.	As I would interpret it seeing the argument submitted	

Т			in this case, yes.	
2	319	Q.	Yes, thank you. You will see there there's a summary	
3			and this was a conviction of Mr. Mohamud, who attempted	
4			to oh, sorry, there is a stenographer change.	
5				15:0
6			And you'll see there that he was convicted and I think	
7			he got a 30 year sentence for attempting to detonate a	
8			bomb during the annual Christmas tree lighting ceremony	
9			in downtown Portland, Oregon. And there was an	
10			entrapment offence which we don't need to delay here.	15:0
11			And then you'll see that:	
12				
13			"The panel held" - this is the third paragraph - "the	
14			district court did not err in denying Mohamud's motion	
15			to suppress information collected pursuant to	15:0
16			Section 702 of [FISA]."	
17				
18			Then the last paragraph on that page that the 702	
19			acquisition did not violate the Fourth Amendment.	
20				
21			"The panel noted that all this case involved was the	
22			targeting of an overseas foreign national under 702,	
23			through which Mohamud's e-mail communications were	
24			incidentally collected. The panel held that no warrant	
25			was required to intercept the overseas foreign	
26			national's communications or to intercept a US person's	
27			communications incidentally. Assuming that Mohamud had	
28			a Fourth Amendment right in the incidentally collected	
29			communications, the panel held that the search was	

reasonable under the Fourth Amendment. The panel wrote that declassified facts foreclosed the argument that the discovery in this case strayed from protecting the country from a terrorist threat into the conduct of foreign affairs. Because no retention and querying of the incidentally-collected communications is at issue in this case, an argument regarding reasonableness was outside the scope of this court's review. The panel held that under the third-party doctrine, Mohamud had a reduced expectation of privacy... The panel held that Foreign Intelligence Surveillance Court-approved targeting and minimisation procedures, which were followed in practice, sufficiently protected Mohamud's privacy interest."

And I don't think we need to go through, Mr. Serwin -
The only thing I will just note - and I'm happy to sort

of note that - if you look at the summary, there was an

asterisk, which is that -- I mean, I'm sure it's

accurate, but it's technically not part of the opinion

of the court.

15:02

- 22 320 Q. Oh, yes.
- A. And so I don't want to make you go through it, I just want to note for the court that it's not technically the opinion.
- 26 321 Q. Yes, absolutely.
- 27 A. I'm sure it's consistent with the opinion.
- 28 322 Q. No, no, that's very helpful to identify that. So if I just turn to page 36, where one sees the actual opinion

1 itself. And I suppose I'm putting to you, Mr. Serwin, that one sees here a detailed analysis of the legality 3 of Section 702 collection through the medium of a criminal trial. And I'm just going to ask you to look at, as it were, headings. You'll see there "Legal Background", there's a reference to FISA, to the 2008 Act, there's a reference to **Clapper**. Page 37, there's a reference to Fourth Amendment violations, there's a reference to Upstream or targeting. On page 37 you'll see there:

11

12

13

14

15

16

17

18

19

20

21

10

2

4

5

6

7

8

9

"At our request post-argument, the government declassified certain facts about Mohamud's surveillance. Through the monitoring of a foreign national's e-mail account, the United States government learned that Mohamud was in contact with that foreign national, who was located overseas. This contact - a limited number of e- mails between Mohamud and the foreign national - was used to obtain a FISA warrant to surveil Mohamud and his activities. None of these emails was introduced at trial."

15:03

15:03

15:03

22

23

24

25

26

27

28

29

Then there's a reference, a heading: "No Warrant Required to Intercept Overseas Foreign National's Communications or to Intercept US Person's Communications Incidentally." And, Mr. Serwin, I know you -- or you may have been here in fact on the first two days of the trial, but that is material that the court has been brought through, the various legislative

			provisions.	
2		Α.	I was not here, but	
3	323	Q.	You were not here? You missed that?	
4		Α.	Yeah.	
5	324	Q.	Then you'll see over the page there's a reference to	15:04
6			<u>Verdugo-Urquidez</u> , again a case that the court has been	
7			taken through, at page 39. The next page, page 40,	
8			there's a reference to the FISA review court in the	
9			directives pursuant to Section 105B of FISA. And so	
10			on. Then if I could just ask you to go to the last	15:04
11			page sorry, the second last page, page 49. This is	
12			the conclusions of the report:	
13				
14			"In sum, even assuming Mohamud had a Fourth Amendment	
15			right in the incidentally collected communications, the	
16			search was reasonable. Thus, we hold that the	
17			application of 702 did not violate the Fourth Amendment	
18			under the particular facts of this case."	
19				
20			And I suppose, can I just ask you, Mr. Serwin, would	15:04
21			you agree that this case, in a sense, supports what you	
22			already said, which is that criminal prosecutions can	
23			be a very important, and use of surveilled material can	
24			be an important part of shedding light on the	
25			government's activities first?	15:05
26		Α.	I'd say criminal you know, again what I'd say is	
27			criminal prosecutions certainly can solve the notice	
28			problem for standing I think is really what I would be	
29			nrenared to say I think heyond that obviously	

Т			criminal prosecutions certainly could reveal things	
2			about programmes or surveillance, but it's beyond this	
3			you know, I don't practice criminal law, so it's	
4			hard for me to say what criminal routinely is closed	
5			in these cases. I do think, obviously, from my civil	15:05
6			perspective, where you're prosecuted and the government	
7			says they've surveilled you, I don't think notice is a	
8			problem any more there.	
9	325	Q.	Yes. And can I just summarise what I think the joint	
10			expert report said on this? It was page 26 of the joint	15:05
11			experts report - I don't know if you have that in fact?	
12			Oh, that's just being handed to you.	
13		Α.	I do now.	
14	326	Q.	And this is the product of the meeting that you	
15		Α.	Yeah. Page 26?	15:06
16	327	Q.	Yes, it's page 26 I think. And it's in relation to	
17			1806. And this is in relation to the yes, it's	
18			paragraph 13, as it were	
19		Α.	Yes.	
20	328	Q.	the significance of the suppression remedy. And I	15:06
21			think the agreement is:	
22				
23			" 1806 could be an important means of obtaining	
24			accountability for unlawful government surveillance;	
25			and (2) that the only adversarial rulings by US courts	
26			on the legality of surveillance under FISA 702 to date	
27			have come through 1806."	
28				

29

In fact I think the ${\underline{\sf Mohamud}}$ case that I just put to you

1			was one of those cases. Do you think that's would	
2			you agree with that?	
3		Α.	Looking at it, it looks to be, yes.	
4	329	Q.	Yes. And then we go on:	
5				
6			"The experts also agree that the United States has	
7			failed in the past to comply with its notice	
8			obligations under 1806, although we disagree about the	
9			likelihood that such violations of the notice	
10			requirement are still occurring today".	
11		Α.	Yeah. And let me just say this - I'm not trying to	
12			dispute that conclusion - but if you look at, the sort	
13			of the scope of what I have affirmatively said here	
14			obviously is narrower. I'm not disputing that, I	
15			just there's parts of that that I don't feel are	5:07
16			within my expertise to offer opinions, particularly	
17			with Ms. Gorski and I think, you know, Prof. Vladeck	
18			had certain opinions. And so I'm not up here saying I	
19			disagree, I just am not, I'm not in a position to agree	
20			with some of those statements, particularly, you know, 1	5:07
21			some of it about the government has failed to comply.	
22			I don't have a basis to say that or not, I'm not	
23			drawing a conclusion they have or haven't.	
24				
25			I do take your point though that obviously, you know,	5:07
26			again, where the government uses a criminal	
27			prosecution, it necessarily has to reveal at least some	
28			things about its surveillance in connection with that	
29			person.	

- 1 330 Q. Yes. So the second part of that, the agreed summary,
 2 you say you don't have any particular knowledge. This
- is in relation to --
- 4 A. I didn't have a basis -- honestly, I mean, part of the
- 5 challenge of this expert report, my portion of it, if

15:08

15:08

15:08

- 6 you will, was narrower in some ways and I touched some
- 7 issues that the other experts had more expertise on and
- 8 dealt with more. And so I didn't feel it was -- I'm
- 9 not trying to say I'm disagreeing that's what this
- says, I'm just saying there's certain parts of it where 15:08
- 11 I couldn't offer an opinion either way and simply said
- then that's what the agreement is. But I can't offer a
- basis to agree or disagree.
- 14 331 Q. Yes, okay. Thank you. Can I ask you then to look at
- page three, 1810? Do you see that?
- 16 MS. JUSTICE COSTELLO: Which booklet are we in now?
- 17 332 Q. MS. HYLAND: I'm so sorry, we're back to your report,
- 18 Mr. Serwin.
- 19 A. Okay.
- 20 333 Q. Sorry, Judge.
- 21 A. And what page?
- 22 334 Q. So it's page three of your report.
- 23 A. Yes.

26

- 24 335 Q. And you'll see there that you identify the right of
- action under 1810. And then on the last line you say:
- 27 "The Ninth Circuit, however, has held that Section 1810
- does not operate as a waiver of sovereign immunity,
- 29 which means that the United States cannot be held

1			liable under this section."	
2				
3			Do you see that?	
4		Α.	I do.	
5	336	Q.	And that was the subject of some, I suppose,	15:09
6			considerable reliance by the DPC in respect of	
7			sovereign immunity. Can I just ask you a general	
8			question though; where there is sovereign immunity,	
9			where sovereign immunity exists, isn't it the case that	
10			normally agents of the government can be sued	15:09
11			personally?	
12		Α.	It's funny you ask that, because I think post reviewing	
13			Prof. Vladeck's report and then also after the meeting	
14			of the experts, I think that's a very complicated	
15			question now. And there's a case, the <u>Jewel</u> case that	15:09
16			both Prof. Vladeck and I cite for different reasons,	
17			for whatever reason either of us cite it for this, but	
18			there are cases under 1810 that apply sovereign	
19			immunity to individual government agents acting in	
20			their official capacity, and the <u>Jewel</u> case is one of	15:09
21			them. So it is not in my report, it's not in	
22			Prof. Vladeck's report, we both sort of I don't deal	
23			with the individual issue directly. So I think - I've	
24			read Prof. Vladeck's report - I can't offer an opinion	
25			on the indemnification, that's not within my scope.	15:09
26				
27			I take Prof. Vladeck's point at some level, which is	
28			there are times where these cases are brought against	
29			individuals. You know, again, post my report and post	

reading Prof. Vladeck's report when he raised the issue, I did see at least one case, which is the <u>Jewel</u> case, that did apply sovereign immunity to individuals acting in their *official* capacity. I do think there's still a point - and I don't disagree with Prof. Vladeck 15:10 on this - that people sued probably in their personal capacity might not have the 1810 immunity. But I think it's a very complicated issue.

I didn't go into that, I just simply -- I, frankly,
assumed that everyone would be directly liable when I
wrote this report, without understanding that wrinkle
to it. But I think it's narrower than perhaps
Prof. Vladeck and I thought on the sovereign immunity
issue with individuals, because there at least are some
cases that I've seen published that do apply sovereign
immunity to individuals. So I think that's the best
answer I can give you.

19 337 Q.

Can I just clarify, did you say that you assumed that there would be an entitlement, at the time you did your 15:11 report, you assumed there'd be an entitlement to sue individual officers?

15:11

A. I don't know they're in any -- you know, I put that in
for a reason. I mean, obviously if I thought 1810
didn't apply, I wouldn't have put it in. And so the
scope of my memo was on government liability and
liability of individual government actors. And so when
I first looked at it, I looked at 1810, saw it, was
aware of the Ninth Circuit cases on sovereign immunity

and, you know, certainly thought there could be some individual liability there. As I said, having gone through the expert process in the report, I did look at that, because I felt it was important. And so what I guess I'd say at the time is I say nowhere in here that 15:11 there is immunity for individuals. That is clear.

So my assumption was: If 1810 existed, it would only

so my assumption was: If 1810 existed, it would only exist really for individual liability, because at least in the Ninth Circuit there's no waiver of sovereign immunity for the US Government. That said, I do think Jewel, which is a Ninth Circuit, it's a Northern District Court case, applies the Obama case I cite to individuals and says there is individual immunity if they are sued in their individual -- or their official capacity, at least in that case. I'm not saying there's a blanket rule, I think it's a more complicated issue, but I don't think it's as simple as saying there is or is not immunity for individuals.

15:12

16 17

9

10

11

12

13

14

15

19

26

27

28

29

18

20 338 Q. Can I break that answer down? Because there's a number 15:12 of parts to that.

22 A. Yes.

23 339 Q. First of all, is there a difference between being sued 24 in their official capacity and being sued per se? Can 25 they still be sued even if it's not in their official

capacity?

A. I think in -- I have seen cases -- the best way I can sane that, I have seen these cases where they are sued in their professional capacity and their personal

1			capacity, so I think there is a difference. What that	
2			exactly is, frankly, I'm not entirely sure. But I've	
3			seen it done both ways.	
4	340	Q.	Yes.	
5		Α.	I've not seen a case - I looked, but I didn't spend	15:1
6			I could not find a case where someone was dismissed in	
7			their personal capacity. I don't know how that would	
8			be different if it would be a conduct issue or it would	
9			be just how they're sued. But I have seen cases where	
10			in the immunity under 1810, at least in the Ninth	15:1
11			Circuit, is applied to officials sued in their official	
12			capacity.	
13	341	Q.	Because in fact, if you look at your footnote 67 some	
14			pages on, there's a case called Garland-Sash -v- Lewis	
15				15:1
16		Α.	<pre>In which footnote, I'm sorry?</pre>	
17	342	Q.	Sorry, it's footnote 67. And that's a case which you	
18			refer to as authority for the proposition that, in the	
19			context of the Computer Fraud Act, some courts have	
20			held that federal government agencies and officials are	15:1
21			immune from suits involving this statute	
22		Α.	And let me just say that's a completely different	
23			issue. And so there's two issues; there's are you a	
24			person under ECPA/are you a person under the CFAA	
25			versus has the government, does the government have	15:1
26			sovereign immunity? And so I think what I'm trying to	

27

28

29

say there is because the -- I understand the confusion

here. If the government defined "person" as including

the United States Government, the argument would be

1 that it intended to waive sovereign immunity by 2 including itself in the definition of "person". 3 So this is a little different in the sense that again 4 this goes to sort of how the -- whether they fall 5 15:14 6 within it or not. And there's a circuit split on that 7 point. 8 Can I just take this in bits, as it were? 343 0. 9 Sure. Α. In <u>Garland-Sash -v- Lewis</u> - we will come to it - there 10 344 0. 15:14 11 was a distinction drawn by the court between officers 12 acting in their personal capacity and officers. And the court held there in the case you rely on, the 13 14 District Court case, it held that there was a 15 preclusion against officers in their official 15:15 16 capacity --17 Mm hmm. Α. -- but it was still possible to sue the officer per se. 18 345 Q. 19 Yeah. Α. Would you agree with that? 20 346 0. 15:15 21 And again I will -- I believe that's accurate, yes. Α. 22 347 Okay. Then just going back then to 1810. I think what Q. 23 you said was that you wouldn't have put it in unless 24 you believed, as it were, it was effective or it had --25 it was potentially beneficial to a person. I think is 15:15 26 that what you said a few moments ago? 27 Again, when I was doing -- you know, I put it in Α. because I felt it could have... 28

It could have?

29

348

Q.

- 1 A. It could have relevance, yes.
- 2 349 Q. Exactly. And so I think what you're saying there is
- 3 that although you identify that it doesn't operate as a
- 4 waiver of sovereign immunity in the Ninth Circuit, I
- 5 think what you're saying now is that "but in certain

15:16

15:16

15:16

- 6 cases it may well be possible either to sue the US
- 7 Government or to sue an individual officer", is that
- 8 right?
- 9 A. No, that's not what I'm saying. Because --
- 10 350 Q. Okay, what are you saying?
- 11 A. -- I'm not aware of an 1810 case that permits the
- 12 government to be sued. I'm aware of the Ninth Circuit
- cases. What I'm saying is in fact that in the Ninth
- 14 Circuit the northern District Court took the 1810
- immunity that applied to the United States Government
- and said it applies to individuals acting in their
- official capacity in the FISA and ECPA realm. That's
- 18 what I'm saying.
- 19 351 Q. But that's not actually what it says in your report, is
- it? Because what you say --
- 21 A. No. No, what I'm saying is after I reviewed
- 22 Prof. Vladeck's report -- that is not in my report. I
- saw the <u>Jewel</u> case after --
- 24 352 Q. Okay.
- 25 A. Yeah.
- 26 353 Q. But let's go back to the time when you did your report.
- 27 A. Yes.
- 28 354 Q. And when you did your report, you were aware that in
- certain cases sovereign immunity applied if a person

1			wanted to sue the US Government directly, is that	
2			right?	
3		Α.	I would say I was aware of this case and was not aware	
4			of a contrary case saying that the US Government could	
5			be sued under 1810.	15:16
6	355	Q.	Yes. And what about individual officers? When you did	
7			the report, did you believe that individual officers	
8			could potentially be sued under 1810?	
9		Α.	Yes. Otherwise I wouldn't have put it in my report.	
10	356	Q.	Well, the point is you didn't put it in your report	15:17
11			oh, sorry, you wouldn't have put 1810 in your report?	
12		Α.	Yes.	
13	357	Q.	Shouldn't you have said that? Shouldn't you have said	
14			that in your report? Because in fact we see the DPC	
15			placing again considerable reliance on this issue. And	15:17
16			isn't it unclear in your report that there's a poss	
17			at that point time when you did the report, you	
18			understood there was a possibility to sue individual	
19			persons?	
20		Α.	I don't think, again I don't think it was unclear.	15:17
21			Because the scope of my report was to talk about causes	
22			of action brought against the US Government and	
23			individuals employed by the US Government. So the fact	
24			that it's in there and I say that there's immunity for	
25			the US government, I mean, the reason I put it in there	15:17
26			was to say that, you know, obviously it is a potential	
27			cause of action, it would have to be against	

individuals.

358 Q. But it doesn't say that, does it?

28

29

Т		Α.	I dian t use those words there. But again, it was	
2			included. If it was just, if I thought it had no	
3			application and it was the only application it could	
4			have is for individuals that are employees of the	
5			United States Government.	15:18
6	359	Q.	But the DPC is not, obviously, an American lawyer,	
7			isn't that right?	
8		Α.	Yes.	
9	360	Q.	And she can't be, or the office can't be expected to	
10			know that there is a potential right of suit against an	15:18
11			individual employee, isn't that right?	
12		Α.	I think if I recall the draft complaint, I think she	
13			does say there is a right to sue individuals. I think	
14			she questioned the value of it, but I do think she	
15			it isn't as if she said nothing about it.	15:18
16	361	Q.	And where did she get the basis for questioning the	
17			value of it? Where did that come from?	
18		Α.	I don't know.	
19	362	Q.	Do you identify that?	
20		Α.	I don't. In my report, no.	15:18
21	363	Q.	Anywhere in your report?	
22		Α.	No.	
23	364	Q.	And do you perceive it to be a valuable remedy for a	
24			person to be able to sue a government official?	
25		Α.	I think it depends. I mean, now knowing that there's	15:18
26			at least this wrinkle with 1810 immunity for	
27			individuals, it may have value, I can't say it has no	
28			value. Again, certainly, you know, if I knew, if I'd	
29			put the <u>Jewel</u> case in, if I'd have known what the <u>Jewel</u>	

1 case held when I wrote my report, I would've still 2 included 1810. I think there's value. How much value. 3 it's hard for me to quantify. But it does have some 4 value, yes. 5 And you know Prof. Clapper, in his report, said --365 Q. 15:19 6 MS. JUSTICE COSTELLO: Sorry, who are we talking about? 7 Because it's not Prof. Clapper. It's definitely not 8 Prof. Clapper. 9 And Second Circuit Clapper or Supreme Court Clapper? Α. MS. HYLAND: Yes, we'll start again. 10 15:19 11 MR. MURRAY: Three Clappers is too much. 12 MS. HYLAND: Prof. Vladeck is who I meant. 366 Q. 13 Him, I know. Α. 14 367 Q. Prof. Vladeck says in his report at paragraph 85, he 15 says that it's worth emphasising that "in virtually 15:19 every case in which 1810 could apply, the federal 16 17 government would almost certainly indemnify the officer defendant." Do you agree with that? 18 19 I can't, honestly I can't -- I don't have the basis to Α. 20 really agree or disagree, I don't really know how the 15:20 21 government indemnifies. I think, you know, as I was 22 reading his report and reading - and you'll correct me 23 if I am wrong - was the expert you have... Prof. Swire, is it? 24 368 Q. 25 Α. No, it was a Mr. Long, who goes --15:20

He gives examples, I think, of types of breaches

he saw at the NSA. And, you know, one of them that I

recall in the depths of my mind was someone using their

Oh, John DeLong, yes.

26

27

28

29

369

Q.

Α.

- position to spy on a girlfriend who was a foreign national.
- 3 370 Q. Yes.
- There, I would not -- I mean, I can't offer this as a 4 Α. true opinion, but I think there's a range of scenarios 5 15:20 6 where the government would and would not. think with that scenario that he gives, they probably 7 8 would not be rushing to indemnify the individual NSA person. If someone's acting in the course and scope of 9 10 their employment and doing what they were told, I would 15:21 11 suspect they probably would. But then I think you 12 start walking into were they really sued in their official capacity or were they acting in their official 13 capacity and do you have an immunity issue? So I can't 14 15 disagree with Prof. Vladeck per se, but I think it's 15:21 going to be a fact-specific analysis of whether they 16 17 would indemnify each and every time.
- 18 371 Q. I think the cases you were talking about were the Love 19 Int., isn't that right? There was a series of cases 20 that are known as Love Int., as in Love Intelligence?

- 21 A. I think that's right.
- 22 372 Q. Yes. And isn't it the case that in that situation in fact 2712 would apply anyway? So you wouldn't have to worry about getting an indemnity, you would be suing the US Government. Because I think there 1806(a) that 15:21 you previously identified would in fact apply, isn't that right?
- A. I'd have to look at those cases, but that sounds correct.

- 1 373 Q. Yeah. And just coming back to Mr. Clapper, Mr. Clapper
- is in fact an employee of the US Government and the
- 3 cases where you see Clapper as the defendant are cases

15:22

15:22

15:22

- 4 where the US Government is not being sued but
- 5 Mr. Clapper is being sued, isn't that right?
- 6 A. Yes.
- 7 374 Q. So that's an example of suing an officer rather than
- 8 the US Government?
- 9 A. Or suing both, yes.
- 10 375 Q. Or suing -- yes. Although they don't tend, I think,
- those cases, to have both defendants, do they?
- 12 A. I've seen some where they do. I've seen them --
- 13 376 Q. I see.
- 14 A. I mean, I don't think there's a hard and fast rule.
- 15 I've seen a variety of ways.
- 16 377 Q. I see. But --
- 17 A. Actually, there's another, it's a District Court
- immunity case that I can't recall off the top of my
- head, but it involves the FBI, where they sued the FBI
- and Loretta Lynch as the United States Attorney. So
- it's hard for me to draw a conclusion as to who sues
- 22 who; it could be individuals, it could be the entities,
- it could be both.
- 24 378 Q. I see. Can I just ask you then to move on, you'll be
- 25 happy to hear, quite a bit through your report and can
- I ask you to go on then, I think, to where you deal
- 27 with ECPA?
- 28 A. Yes.
- 29 379 Q. Which is, I think, on page nine. And I think in fact

Τ			these provisions that you identify, they're also	
2			referred to under 2712, isn't that right; that's where	
3			one sees the cause of action identified in 2712?	
4		Α.	For the government, but not for individual officers,	
5			correct.	15:23
6	380	Q.	Sorry, could you just clarify that answer there?	
7		Α.	Yeah. I think - and I'm, I guess, raising this because	
8			I think there was some confusion during the expert	
9			meeting - if you look at so there's a language	
10			problem that I referred to earlier and I use	15:23
11			"government agencies" here in a broad term because	
12			there are, not relevant to this case, but there are	
13			times where state police departments and government	
14			agencies are sued under ECPA. And so if you look -	
15			2712 is a remedy against the United States Government -	15:23
16			but then if you look in the paragraph below that, it's	
17			the sentence that begins:	
18				
19			"While certain courts have held that government	
20			entities are liable for violations of the SCA" - that's	
21			non-United states Government ones - " others have held	
22			that government entities are not liable under the ECPA,	
23			though government officials can be."	
24				
25			So	15:24
26			MS. JUSTICE COSTELLO: I'm sorry, I'm not quite sure	
27			what page you're on. I thought we were on page nine of	
28			your opinion?	
29		۸	T'm on nage ten - T anologise - T skinned ahead	

1			MS. JUSTICE COSTELLO: Oh, I beg your pardon. Thank	
2			you.	
3		Α.	I really apologise.	
4	381	Q.	MS. HYLAND: Mr. Serwin, I'm going to come to that in a	
5			minute.	15:24
6		Α.	Sure.	
7	382	Q.	Before we get to that, can I just ask you more	
8			generally about ECPA and then we will come to the point	
9			you're talking about?	
10		Α.	Okay.	15:24
11	383	Q.	So ECPA. Generally there is, I think, as you've said	
12			at the bottom of page nine, there are various crimes -	
13			to intercept or procure electronic communications;	
14			under the Stored Communications Act, it's illegal to	
15			obtain or to prevent authorised access. And it goes on	15:24
16			to say:	
17				
18			"If a person 'Intentionally accesses without	
19			authorisation a facility through which an electronic	
20			Communication service is provided' or 'intentionally	
21			exceeds an authorization to access that facility'."	
22				
23			You then talk about the remedies and the money damages,	
24			isn't that right? Do you see that paragraph	
25		Α.	Against the United States Government, yes.	15:25
26	384	Q.	Exactly. And what I'm asking you is that isn't that	
27			also in 2712 that we've already looked at, it's the	
28			same place you find it as we already looked at?	
29		Δ.	Different section, same statute, correct - I think.	

1	385	Q.	But it's the same section actually, isn't it? It's 2712	
2			which we just looked at, do you remember that?	
3		Α.	I think it is, yeah. You're right, because it refers	
4			to the FISA sections in 119 and 121. Yes, that's	
5			right.	15:25
6	386	Q.	Exactly. So the FISA sections and the ECPA are put in	
7			all together under 2712. And as you say, there is a	
8			right against the United States Government in that	
9			situation. That you describe in the paragraph starting	
10			under 18/2712. That is against the USG, isn't it?	15:25
11		Α.	Yes.	
12	387	Q.	And all of the points that we identified - do you	
13			remember we looked at 2712(c) in relation to the	
14			administrative remedy where, if there's been a breach	
15			there has to be an investigation and so on and so	15:26
16			forth; that's also applicable here, isn't it?	
17		Α.	I believe so, yes.	
18	388	Q.	Can I just ask you then though to go to the next	
19			paragraph? Because, Mr. Serwin, I'm putting to you that	
20			the same thing has happened with this paragraph as	15:26
21			happened in relation to the paragraph I already	
22			identified, which was that your report didn't make it	
23			sufficiently clear that the last paragraph here,	
24			starting with the words "There is an uncertainty", is	
25			about a separate issue to the previous paragraph, isn't	15:26
26			that right?	
27		Α.	It's a separate issue in the sense that the definition	
28			of "person" doesn't include govern has there been	

29

conflicting holdings about the US -- government

Τ			entities being liable directly under ECPA and not under	
2			2712.	
3	389	Q.	Exactly. But in other words, when you're moving under	
4			2712, there's no issue about sovereign immunity, isn't	
5			that right?	15:26
6		Α.	Against the US Government, correct.	
7	390	Q.	Exactly. So that's simple, there's no problem there.	
8			Would you accept that?	
9		Α.	Yes.	
10	391	Q.	So when we come on to the next paragraph, i.e. there's	15:27
11			an uncertainty in the statutory language, you're	
12			talking about something completely different - yes,	
13			it's under the Wire Tap Act; yes, it's under the Stored	
14			Communications Act, but it's not what we've just been	
15			talking about in relation to 2712?	15:27
16		Α.	That's correct.	
17	392	Q.	Because later on I'm going to ask you to look at the	
18			DPC decision and I'm going to put it to you that your	
19			report led her, if you like, into a mistaken belief	
20			that all of these things were linked to each other,	15:27
21			that in some way there was a problem about sovereign	
22			immunity in respect of 2712. And I just want to you	
23			clarify now that that is <i>not</i> the case, is it?	
24		Α.	The "person" issue under ECPA does not change the 2712	
25			issue.	15:27
26	393	Q.	Exactly. And in your view, is that sufficiently clear	
27			in your report?	
28		Α.	I thought it was, yes.	
29	301	Ω	Since we're on the tonic of the definition of a nerson	

1			under the Wire Tap Act, even if there is sovereign	
2			immunity, isn't it the case that you can still sue the	
3			US government for declaratory relief or injunctive	
4			relief? It relates to the damages claim, isn't that	
5			right?	15:28
6		Α.	Under ECPA?	
7	395	Q.	Yes. Well, exactly, under what you're talking about	
8			here in this paragraph, the Wire Tap Act. Because what	
9			you say is you say:	
10				15:28
11			"There is also a split among the courts as to whether	
12			damages are permitted against governmental entities	
13			that violate the Act."	
14				
15			In other words, you're just talking about damages	15:28
16			there, aren't you?	
17		Α.	I think there's two issues there. Because there's also	
18			the fact so I think we're conflating two things	
19			there.	
20	396	Q.	I'm sorry, Mr. Serwin, would you mind repeating that?	15:28
21		Α.	I think we're conflating two things there. So I think	
22			there is an issue as to whether damages are permitted	
23			directly under the violation of the Wire Tap Act.	
24			There was a separate issue as to whether they could be	
25			held liable at all in any case under the SCA. So ECPA	15:29
26			is two parts; you've got the Wire Tap Act	
27	397	Q.	Yeah.	
28		Α.	the Stored Communications Act. And so when we refer	
29			to this in the US, if I say "ECPA", I mean both, if I	

1			say "the Wire Tap Act" I mean what we call Title 1 and	
2			if I say "SCA" I mean Title 2. And so I think what I'm	
3			referring to there is actually damages being permitted	
4			under government agencies that violate the Act.	
5	398	Q.	Yes.	15:29
6		Α.	Which is the Wire Tap Act. Then I say certain courts	
7			have held that government entities are liable for	
8			violations of the SCA. So that's a broader thing.	
9			Others have held they're not. Under ECPA, government	
10			officials can't be. So there were a couple of	15:29
11			different terms used there. But the point is that how	
12			"person" is used and defined in this statute matters	
13			for what relief can and cannot be gotten, though as I	
14			note, that government officials are liable under ECPA,	
15			which is what I say.	15:30
16	399	Q.	Well, does it matter? If the government officials are	
17			liable, does it matter that the government isn't?	
18		Α.	Well, I think it's both. I think you have both.	
19	400	Q.	You mean you have both	
20		Α.	You have a remedy under 2712 against the United States	15:30
21			Government	
22	401	Q.	Yeah, we know that.	
23		Α.	and then you have I think the point there is it	
24			does matter, because you don't have individual	
25			liability under 2712, it's a waiver of sovereign	15:30
26			immunity for the US Government. So what I'm saying	
27			there is the officials themselves - it's the issue we	
28			talked about under 1810 - the officials themselves are	
29			just directly liable under ECPA putting 2712 aside is	

1	the	point.

2 402 Q. But isn't it important for the DPC to know what that
3 actually means in practice? Because you were asked to
4 give her an opinion on practice as well as law. And
5 isn't it important to describe for her there, or to
6 describe for the Office there what exactly it means
7 that government officials are liable? Because --

15:30

15:31

15:31

15:31

8 A. Oh, I think I did.

22

23

24

25

26

27

28

- 9 403 Q. Well, I think you just accepted they *can* be, they can be liable. So in other words, is it the case there that you don't see an important practical difference between liability of *government* officials and the state, and the US Government, is that right?
- A. No, I think they're both important. Which is why again I didn't stop with just 2712, the 2712 discussion.
- 16 404 Q. Yes, absolutely. But what I'm asking you is does it
 17 matter, in the context of the Wire Tap Act, these
 18 provisions that you're referring to now separate from
 19 2712, does it matter that the liability rests with the
 20 government official, as opposed to the US Government,
 21 if that is the case?
 - A. Well, again I think we're confusing terms here a little bit. "Government entities" could be broader than the US Government some of those cases are, again, state police departments. So I was making kind of a broader point, I wasn't really -- I wasn't saying "United States Government" there. I think the point is that again you have this definition of "person" and does it include governmental entities or not? What I was trying

- to say is that if you get out of 2712 for whatever
 reason, there is this divergence at times that I
 thought was important to note. But in any case, you do
 have liability of the individual government person
 directly under ECPA which, if you didn't have that, you 15:32
 would have no liability for that person, because 2712
 doesn't operate as a waiver, I think, of sovereign
- 9 405 Q. So in other words, it's a reassuring paragraph, is that
 10 right? It's saying that there is no problem about suing 15:32
 11 government officials, is that what you are attempting
 12 to convey?
- 13 A. I'm saying there that government officials can be liable there, yes.

immunity against individuals.

- 15 Yeah. And I asked you earlier on was it not important 406 Q. 15:32 16 for the DPC to understand when remedies are being 17 looked at, is it not important first to understand what the right is, because in order to understand whether a 18 19 remedy is adequate or not it's important to understand 20 the whole context of right. I put that to you and you 15:33 21 said it was, if you like, outside your ambit. But here 22 in this particular paragraph, can I suggest to you, Mr. Serwin, that one sees here the real problems when 23 24 you try and address remedies without actually 25 describing the rights. Because one cannot glean from 15:33 26 this at all what the rights are that we are talking 27 about.
- 28 A. Well, I think to the extent, I think --
- 29 407 Q. Just in this last paragraph I'm talking about. That's

1	211	T'm	talking	ahou+
上	all	T 1111	Laiking	about.

2 Well, I think you can't take the -- I think the Α. 3 discussion of what ECPA covers and what violations are has to be read in that context. Because I didn't just 4 include that paragraph to say 'Here are remedies under 5 15:33 6 these statutes'; the preceding sections lay out, in 7 essence, what the violations of ECPA are. And I note that in some ways it's broader than the FISA rights. 8 So I do note that, I believe, where I say that it 9 applies to wrongful collection. You'll see in the 10 15:33 11 first full paragraph on 10 I say:

12

13

14

15

"For Section 2712 claims under the ECPA, wrongful collection (and not just use and disclosure) is actionable."

1617

18

19

20

21

24

25

26

So I do give context of what the violations are that give rise to these remedies, I didn't just say 'Here are remedies under ECPA'. So I think you have to read this in the context of the prior paragraphs that describe what the causes of action arise from.

15:34

15:34

22 40823

Q.

- But I think 2712 is a self-contained provision whereby you have the right and then you have the remedy. And you describe that. But the next section, I think you've already accepted that it's in respect of different breaches, it's not in respect of 2712 --
- 27 A. It's not in respect of different breaches, it's just a 28 different remedy for the same breaches.
- 29 409 Q. Well, is that right --

- 1 A. I think it is.
- 2 410 Q. -- Mr. Serwin? Because isn't it the case that 2712 says
- 3 that it is, if you like, a self-contained provision
- 4 and --
- 5 A. But it incorporates 119 and I'm drawing a blank on

15:35

15:35

15:35

- 6 the what the section for the Stored Communication is.
- 7 But it incorporates the violation of the SCA and the
- 8 Wire Tap Act. It is a self-contained remedy for the
- 9 violation of other statutes. Just like with FISA, it
- doesn't incorporate FISA into 2712, it simply says 'If
- 11 you violate these statutes, your remedy is X', as I
- 12 read it.
- 13 411 Q. Yes, I accept that all right, Mr. Serwin. But can I
- just ask you to go back and look at 2712?
- 15 A. Yes. Which tab is that?
- 16 412 Q. It's at tab six. I beg your pardon, of the first book
- of law.
- 18 A. Yes.
- 19 413 Q. Just so I understand this properly, is what you're
- saying that, as it were, the obligations that are
- identified through 2712, albeit with reference to the
- main Act, that you both have, you have a remedy both
- against the US Government, as we know, and that you
- 24 might also have a different remedy for the same
- 25 wrongdoing against a government entity -- I beg your
- pardon, against a government official; is that what you
- are saying?
- A. It's confusing, because 2712 is actually part of ECPA.
- 29 414 Q. Yeah. Yeah.

- A. So you'll see the reference to chapter 119 of this title.
- 3 415 Q. Hmm.
- 4 A. I believe that is a reference to, that is the reference
- 5 that ties out to the Wire Tap and Stored Communications 15:36
- 6 Act.
- 7 416 Q. Hmm.
- 8 A. Then you have FISA. Okay?
- 9 417 Q. Yeah, we can leave that aside, because we don't need to talk about that.
- 11 So it incorporates those other things. And so as I Α. 12 read this section, what it's doing is saying if you have a violation of chapter 119 - and if you look at my 13 14 report, I lay out the rights, if you will, under ECPA 15 on page nine, which is what the violations are, what the *crimes* are in fact - then I say, as a result of 16 17 that, under 2712, these are the remedies you have. it's contained within ECPA, number one, it's not 18

15:37

15:37

violations of other statutes into a remedy that is a

self-contained; number two, it's incorporating the

- waiver of sovereign immunity. That's how I read what
- it's doing.

- 23 418 Q. So I suppose just to try and sum up though, then what
- you're saying is that your final paragraph is a very
- positive paragraph, if you like, because it's saying
- not only do you have an absolutely accepted right under
- 27 2712 against the government, you may also have a right
- against officials as well, is that right? Is that the
- 29 net effect of the last paragraph?

- A. That is certainly one of the points in that paragraph, yes.
- 3 419 Q. I see. Okay. Because I suppose what I'd put to you,
 4 Mr. Serwin, is that that was not sufficiently clearly
 5 expressed and that the DPC's report did not interpret
 6 your report in that way. Would you agree with that?

15:38

- 7 A. I'd have to see the specific provision of the draft decision.
- Okay. Well, we'll come to that. We'll come to that. 9 420 Q. Can I just ask you to go on then please a little bit 10 11 and can I just ask you to look then at the standing 12 part of your report? And can I ask you to look -- and I'm going to ask you to look at both your reports here 13 now, because obviously you have two reports, but the 14 15 second one, I think, is particularly in relation to standing I think. 16 So perhaps I might ask you to look at them both together. 17
- 18 A. Okay.
- 19 But can I just ask you first, in relation to Clapper -421 Q. 20 and I know we've spent a long time talking about it, 15:38 21 I'm not going to detain you on it - but I just want to 22 ask you one very net question on it. You're aware that 23 it was issued the day after the Act came into force, or 24 perhaps it was the day the Act came into force; are you aware of that? Sorry, this is the Supreme Court 25 15:38 26 decision, Amnesty -v- Clapper.
- 27 A. I think what you're saying is they sued the day before 28 the Act came in, not the decision was issued.
- 29 422 Q. I'm so sorry, that's exactly what I meant, yeah on

1 the day of the Act. You're a lawyer, you're a 2 practicing lawyer, I know you've said you don't practice so much or at all in national surveillance 3 area, but certainly in privacy you do practice; would 4 5 you advise a client to bring a challenge to an Act 15:39 6 where you know standing is going to be an issue, in 7 circumstances where the Act has just come into force? 8 It wouldn't be certainly my first choice if you're Α. making a facial challenge sort of on a constitutional 9 10 ground to say 'We don't like this programme, we want it 15:39 11 to stop'. I can under -- I think it depends on what 12 the goal of your litigation is. If your goal is to stop the programme and you know it's coming down, it 13 14 might make sense to do that. I think if your goal is 15 to try to get a remedy after its occurred, that 15:39 probably wouldn't be my preferred choice. 16 But I think 17 it depends on what your client's goal is. well, if your goal is not to be struck out on the basis 18 423 Q. 19 of lack of standing, would you say that the best 20 approach is to wait until the Act actually starts to 15:40 21 operate? 22 I think -- I'm not sure waiting two days after would've Α. 23 mattered. I think that was a factor they looked at, obviously. I think there were other reasons - they had 24

28 424 Q. Well, it was *very* relevant, wasn't it? Because the court said 'You're asking us to look at future harm,

relevant factor though, yes.

25

26

27

trouble with standing, I don't think it was exclusively 15:40

that they had sued the day before. I think it is a

anticipated harm, and we don't know' - sorry, the court
said this - 'we don't know, there's five different
hypothetical steps, if you like, that would have to
have been carried out in order for you to obtain
standing and we cannot second-guess that all or any of
them would've taken place'?

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

The challenge though with that statement is ultimately Α. let's say they'd waited two months and they had no more information than they did the day before they sued and they took, you know, they took steps allegedly to help 15:40 themselves not be monitored; I don't see -- I understand there is a factual difference, but I'm not sure the court -- I can't speculate as to what a Supreme Court would've done, obviously, but I don't think the plaintiffs would've been in a materially 15:41 better position had they waited three months and said 'Hey, we think we might be surveilled'/'we might not, we have the same facts about what we've done and who we talked to'. It wasn't good optically, I think it did matter to the court, but I think they might've been in 15:41 the same boat had they waited several months as well.

425 Q. Well, Mr. Serwin, can I just put it to you, it wasn't

-- it was much more than optically, and for this
reason: Isn't there a number of ways that a person, in
a sphere where notification is an issue, as you've
already identified, isn't there a number of ways that a
person can find out about surveillance? Would you
accept that, there's a number of different ways?

Hard for me to say.

Т		Α.	I m sure there's more than one. I couldn't probably	
2			quantify it, but I'm sure there's more than one.	
3			Obviously we've seen I mean, we know of at least	
4			two, which are the government tells you and if there	
5			are illegal leaks. I can think of at least two.	15:41
6	426	Q.	Yes. And whistleblowing is one very obvious one, isn't	
7			it?	
8		Α.	I don't think it happens often, but it is one that has	
9			happened, obviously.	
10	427	Q.	Would it surprise to you know that the Fundamental	15:42
11			Rights Agency in Europe has actually recommended that	
12			there be legislation on whistleblowing, on the basis	
13			that it is so helpful in respect of bringing to light	
14			surveillance?	
15		Α.	I don't know if it would surprise me. I wasn't aware	15:42
16			of that.	
17	428	Q.	I see. But you accept that whistleblowing is a way in	
18			which information comes to light?	
19		Α.	I wouldn't it is a way that information can come to	
20			light, yes.	15:42
21	429	Q.	And do you accept that declassification of information	
22			is another way?	

- 23 A. Yes.
- 24 430 Q. And do you accept that prosecution, as we've discussed,

- under 1806 is another way?
- 26 A. Em --
- 27 431 Q. I'm sorry, 1806, I beg your pardon, a motion to dismiss following a prosecution?
- 29 A. Let me say that prosecution is another way.

- 1 432 Q. Yes. And what about discovery, is that another potential way, albeit with issues attendant upon it?
- A. You know, I will say also I am certainly not an expert in the state secrets doctrine. I am aware that

- 5 discovery can be very difficult in these cases --
- 6 433 Q. Yes.
- A. -- and so I would say that it's possible, but probably not the best source. But other experts have opined on that.
- 10 434 Q. So in view of those routes, isn't it just, I suppose, speculation on your part to say that the plaintiffs would have been in no better situation two months on?

 13 Isn't that right?
- 14 Α. I think I did say it was speculation. But I think --15 again, I can't speculate as to what the Supreme Court 15:43 would do, but again, looking at it as a lawyer who 16 17 would file that case, I just have the question of if you waited two months, what different facts would the 18 19 plaintiffs have had other than the programme was in 20 place and they still didn't know they were being 15:43 21 monitored or not? But it is pure speculation on my 22 part, yes.
- 23 435 Q. Yes. Well, isn't it the case that they would not have 24 been in the "immanence" box, if you like? They wouldn't 25 have had to show an imminent or future injury?
- A. Well, but you need to show actual or imminent. And I
 think the problem is we accept you can't show imminent
 and I don't think you could necessarily show actual in
 that case if you had the same facts. I don't know,

			again I can c specurate on the supreme court, but I	
2			understand suing before the law goes into effect	
3			perhaps is not the best strategy. But I do think there	
4			is a factual question there with how would they know	
5			anything how would they have any better information	15:44
6			two days after the law went into effect?	
7	436	Q.	Yes. And I'm not suggesting two days after, I'm	
8			suggesting longer. I suppose is it fair to say	
9		Α.	But how would they I guess the question I have is:	
10			Two days/two months/a year, if they have the same	15:44
11			information, the length of time doesn't change the lack	
12			of knowledge.	
13	437	Q.	And, Mr. Serwin, why do you assume that after a year,	
14			for example, there would be the same information?	
15			That's not a correct assumption, is it, necessarily?	15:44
16		Α.	It may or may not be. I mean, I think that's the	
17			issue. What I'm saying is if you're a year down the	
18			road and have the same information, you're probably, I	
19			can't say in the same boat as <u>Clapper</u> , but you may be.	
20			And I think that's you know, I don't want to rehash	15:44
21			all of the indeterminacy with standing that we've	
22			already gone through, but I think that's just a	
23			practical challenge.	
24	438	Q.	Me neither. But can I put to you that, for example,	
25			cases like <u>Valdez</u> and <u>Schuchardt</u> , those are cases where	15:44
26			one sees - and yes, at motion to dismiss stage - but	
27			one sees the courts resisting the motions to dismiss on	
28			the basis of information that is out there, as it were?	
29		Α.	And I guess here's the thing: Surviving a motion to	

1 dismiss is not a remedy. You know, that's really what 2 this comes down to. So the **Schuchardt** case absolutely 3 does say at the motion to dismiss stage standing may exist is, I believe, what they said. And then they 4 5 strongly question whether the plaintiff can prove it. 15:45 6 And so again, looking at this as the remedy, I 7 completely -- you know, Prof. Vladeck has laid out 8 cases, we went through this the them in the export 9 report --10 439 Q. Yes. 15:45 11 Again, I don't want to get into them other than to say Α. 12 I think at the motion to dismiss stage they certainly are complex. 13 14 440 Yes. Yes. Q. And I think -- but when you look at, when you get past 15 Α. 15:45 the motion to dismiss, you have the Klayman -v- Obama 16 17 case in the DC Court of Appeal that dismissed on standing on an injunction phase, you have Clapper which 18 19 was summary judgment and I believe you have **Jewel**, 20 which was summary judgment as well, the 2015 15:45 21 unpublished **Jewel** decision that dismisses on summary 22 judgment on standing. And so I think what you have to 23 look at is cases may be getting further down the road past the motion to dismiss stage, but you still run 24 25 into can you prove it when you get to a motion that is 15:46 26 not a facial challenge? 27 441 Can I ask you what happened to **Klayman** when it went? So Q. 28 it was dismissed in the District Court, it went up to 29 the Circuit Court, it was remitted back, but when it

- 1 came back --
- 2 A. Opposite; it was actually, the injunction was entered 3 at the District Court, I believe.
- 4 442 Q. Yes.

23

- 5 A. They dismissed the APA claim, they entered the 15:46 injunction, it went back up to the District Court -- or
- 7 went to the Court of Appeal and then the Court of
- 8 Appeal said "No injunction". I don't recall off the
- 9 top of my head what the subsequent history of that was.
- 10 443 Q. But it is in the books and I'll take you to it. But in 15:46

 11 fact in that case the court granted an injunction. And

 12 so the plaintiffs were successful at that stage again.
- 13 Do you accept that?
- 14 A. I'd have to look at it, but I take you at your word.
- 15 444 Q. Can I ask you just I can see we're getting near four o'clock and I'm sorry, because I don't think we will

15:46

15:47

15:47

- finish and I know that you've been in Ireland for a
- long time, but I'm sorry about that but can I just
- ask you to look at Rule 11 before we finish and we'll
- 20 try and move through the topics? If I could just ask
- you to look at the part of the report where this is an
- issue. And I think it is largely an issue -- well, I

think it's in two parts of your report, isn't it, and

- perhaps I should ask you to look at that. I think
- Mr. Murray has already asked you to look at it --
- A. Yes, it's on page 14 I think.
- 27 445 Q. Exactly. On page 14, exactly. Can I just go back to
- 28 what you said about that this morning? I think what you
- said was, you said if someone comes in to you as a

2 know', that that would involve a difficulty with Rule 3 11 for a lawyer if they proceeded to take the case on that basis. Is that what you said this morning? 4 I'm saying you'd have to ask the question. 5 Α. 15:47 6 446 Of course. Q. 7 And again, I don't think -- I think the issue is again Α. 8 in these scenarios where you've got no notice, I think you have to make a determination as a lawyer as to 9 whether you have sufficient grounds to either file the 10 15:48 11 case and have sufficient grounds to file it or you 12 believe you will have sufficient grounds after reasonable efforts, if you will, to try to discover 13 14 those grounds down the road. 15 Yes. And is there one single case in all the myriad of 15:48 447 Q. cases that we have here where any plaintiff has come in 16 17 and said 'I think I was surveilled and that's why I'm

here, that's the basis of my standing'?

client and says 'I just think I was monitored, I don't

A. I mean, at some level I think the <u>Schuchardt</u> case is somewhat that; I mean, there was evidence that surveillance *happened*, but I don't think there was evidence it actually happened to that person. I mean, I think that's what we're dealing with here, is you have these broad revelations again where you have, particularly where you have the 215 bulk collection cases, which, you know, are alleged to be situations where everyone's meta-data was collected. It's a different scenario.

29

18

19

20

21

22

23

24

25

26

27

28

What I'm saying is I think it's rare that a client
would come in and say 'I have evidence I was actually
surveilled'. There may be evidence that surveillance
occurred, there may be evidence that bulk collection
may or may not have occurred, but I think there's a

15:49

15:50

7 448 Q. But in order for a lawyer to avoid a Rule 11 breach, 8 the client doesn't need to come in and say 'I have 9 evidence and here it is', isn't that right?

distinction that I would draw there.

- 10 A. No. As I said earlier, I mean, I think you have to
 11 have a good faith basis to file it or you have to
 12 believe after some reasonable period of time you will
 13 have a good faith basis.
- 14 449 Q. Yes. And if a client comes in, of course the lawyer 15 has to identify what the basis for the client's belief 15:49 16 But in an area where notification is an issue. 17 presumably once the lawyer is satisfied that the client has, if you like, a reason for their belief about 18 19 surveillance, whether it's from external sources or for 20 criminal prosecution or the other different ways we 15:50 21 identify it, surely that is enough to discharge the 22 Rule 11 obligation?
- A. I think it depends on the facts. I mean, again my memo didn't assume any particular factual scenario. So I think, look, there's a range. There's someone comes into your office and says 'I think I was surveilled, I have no evidence', they were criminally prosecuted and they know they were surveilled and obviously at either end you know the answer. In the middle there's

- probably a number of shades of grey. And my point in 1 2 raising Rule 11 really was to say because - to your 3 point - it is secret and because it is difficult to know at times, it's something that I think, you know, 4 5 gives every lawyer some pause to say 'Is there enough 15:50 6 here?' or, you know, as I note in my report, 'Will it 7 have evidentiary support after a reasonable opportunity 8 for further investigation or discovery?' That's the point I was making. 9
- But isn't it really simply an articulation of the 10 450 Q. 15:51 11 principle that all lawyers are familiar with, all 12 litigators are familiar with, that one doesn't, if you like, bring a claim for a client where there's 13 14 absolutely basis whatsoever? That's a given, if you like, isn't it? 15 15:51
- It's different. So let me use a breach of contract as 16 Α. 17 an example. In a breach of contract case you have a contract - you know, presumably plea you have party A 18 19 and party B, the obligations are set forth. You 20 wouldn't file a case if someone walked in and said 'I 15:51 want to sue someone for breach of contract' and they 21 22 said 'Okay, where's your contract?' 'Well, just go 23 ahead and file it', you know, 'You don't need that'. So I think because, as you've noted earlier, 24 surveillance *is* genuinely -- generally a thing where 25 15:51 there are secrets, it's just more difficult than your 26 27 standard civil case I think.
- 28 451 Q. Well, can I just ask you, have you *ever* seen a case in 29 the national security or national surveillance field

- where there's been a breach of Rule 11?
- 2 A. I've never seen a government, and I don't say this --
- I've never seen a government try to *enforce* Rule 11.
- 4 My point was more about would the lawyer have a basis
- to file, would a lawyer file it, depending on what the

15:52

15:52

- facts were? I certainly don't say that a government,
- 7 I've ever seen a government seek the sanction. It's
- 8 more of a point of saying, you know, one of the points
- 9 again you've made earlier is because it's secret, if
- 10 you don't know, how do you know, how do you satisfy
- 11 yourself that there's a sufficient basis to file this?
- 12 452 Q. And in all of the cases that we have here, is there any
- case in which Rule 11 has been mentioned?
- 14 A. I haven't seen it, no.
- 15 453 Q. So there's not one single case. And there any other
- case you'd like to identify, apart from the cases we
- have in the looks, is there any other case you'd like
- 18 to inn identify where it has actually been invoked or
- 19 relied upon.
- 20 A. No. Again, I saw it as an issue because of <u>Clapper</u> and 15:52
- 21 where <u>Clapper</u> went with standing and sort of saying
- that speculative harm is not sufficient. It just, it
- caused me to say, in light of where that case *could* go,
- depending on how it's interpreted and what it means in
- 25 the national security context, it could be an issue -
- it could cause lawyers to pause, if you will.
- 27 454 Q. Can I just ask you to look at <u>Clapper</u> then, given that
- you have identified -- and you are talking about
- 29 <u>Amnesty -v- Clapper</u>, aren't you?

Т		Α.	rne Supreme Court <u>Clapper</u> , yes.	
2	455	Q.	Yes. So tab 16. And can I just ask you to look at	
3			what the plaintiffs identified as the basis for their	
4			concern?	
5		Α.	Which page?	15:5
6	456	Q.	Sorry, it's page 1145. Do you see that?	
7		Α.	Under B?	
8	457	Q.	Under paragraph B, exactly.	
9		Α.	Yes.	
10	458	Q.	And can I just ask you to contrast that, if you like,	15:5
11			with what you said this morning, which is that somebody	
12			comes in and says 'I think I'm being surveilled, but I	
13			don't know why', or 'There's no basis for the belief',	
14			or 'I just think, I don't know'? Can I just ask you to	
15			look please at what they identified?	15:5
16				
17			"Respondents are attorneys and human rights, labour,	
18			legal, and media organisations whose work allegedly	
19			requires them to engage in sensitive and sometimes	
20			privileged telephone and e-mail communications with	
21			colleagues, clients, sources, and other individuals	
22			located abroad. Respondents believe that some of the	
23			people with whom they exchange foreign intelligence	
24			information are likely targets of surveillance under	
25			1881a. Specifically, respondents claim that they	
26			communicate by telephone and e-mail with people the	
27			Government 'believes or believed to be associated with	
28			terrorist organizations', 'people located in geographic	
29			areas that are a special focus' of the Government's	

counterterrorism or diplomatic efforts, and activists
who oppose governments that are supported by the United
States Government."

4

5

6

7

Now, do you think that that claim would be a cause for concern for the lawyers in question in respect of Rule 11?

15:54

15:54

15:55

15:55

15:55

17

18

19

20

459

Q.

A. Well, it obviously, I mean it was not sufficient for the Supreme Court, those facts. And I'm not saying -- what I'm saying is if that really, if that wasn't enough, there are claims that have less factual support that arguably could be. That's certainly more than 'I think I was surveilled and I don't know'. I mean, they have laid out there some facts - you know, not enough for the Supreme Court - but some facts to say they had some basis to think they might be. And so, you know, the point is, because the court held that those facts were speculative, it did cause me to have some pause.

Are you suggesting that the test for standing is somehow akin to a Rule 11 test?

21 No, I'm not. What I'm saying is that given the Α. 22 lack of standing and that those facts you've identified weren't sufficient, I could see cases where if you 23 24 don't have evidentiary support because you have no reason, the client has no reason to believe they were 25 26 surveilled, there are cases where I could see that 27 you'd have to ask yourself the question under Rule 11 28 before filing.

- 1 I mean, my personal opinions are not relevant here, 2
- but, you know, I look at this and I probably would've
- 3 predicted that **Clapper**, you know, **Clapper** could've come
- out a different way on standing with those allegations. 4
- It didn't. And whether that's right or whether that's 5
- 6 wrong, those facts seem to have some basis to
- 7 establish, I would've thought those facts might've had
- 8 a sufficient basis to establish standing prior to the
- Supreme Court ruling. And so I think looking at that, 9
- I simply said, you know, if that's not enough, there's 10

- 11 probably cases with less facts that people might want
- 12 to file that at least it caused me a question.
- Can I just ask you to consider Prof. Vladeck's report 13 460 Q.
- 14 and in particular the reporter's note which accompanies
- 15 Rule 11? So this is, just if I could ask you to look at 15:56
- please Prof. Vladeck's report? And it's in tab two of 16
- 17 the books of expert reports. I can just read it out to
- you if you like? 18
- 19 Which? Is it... Α.
- 20 So this is the -- I think your solicitor may be handing 15:56 461 0.
- 21 that up to you. This is Prof. Vladeck's report, which
- 22 I think you are familiar with?
- 23 Α. Yes.
- Because you've looked at it, isn't that right? And he 24 462 Q.
- refers to a reporter's note. Can you just explain to 25
- 26 the court what is a reporter's note please and what
- 27 status it has?
- 28 Sure. Can you give me the page where it's at? Α.
- 29 Yes, of course. It's at page 29, paragraph 96. 463 Q.

1		Α.	Thank you. The reporter's notes are basically	
2			information that's given behind the rules. We refer to	
3			this as the FRCP or Federal Rules of Civil Procedure	
4			that govern civil actions in the court. And the	
5			reporter's notes are, I'll say, helpful to interpret	15:57
6			the rules, they're statements that are helpful in	
7			interpreting the rules.	
8	464	Q.	And does anybody sign off on them?	
9		Α.	I believe it may be the Supreme Court, although I don't	
10			know off the top of my head. I know they are signed	15:57
11			off on, yes.	
12	465	Q.	And I'll put it to you that the Supreme Court in fact	
13			sign off on them.	
14		Α.	Yeah.	
15	466	Q.	And isn't it the case that Congress can change them if	15:57
16			they wish?	
17		Α.	I would suspect they could. I don't honestly know off	
18			the top of my head. But I know they are subject to	
19			change and obviously the Supreme Court review.	
20	467	Q.	And would you accept they are authoritative?	15:58
21		Α.	I think they are I think courts could interpret	
22			things differently, but I think they carry weight of	
23			authority, yes.	
24	468	Q.	Then if I could just ask you to look, I'll just read it	
25			out:	
26				
27			"If evidentiary support is not obtained after a	
28			reasonable opportunity for further investigation or	
29			discovery, the party has a duty under the rule not to	

persist with that contention. Subdivision (b) does not require a formal amendment to pleadings for which evidentiary support is not obtained, but rather calls upon a litigant not thereafter to advocate such claims or defences."

6

7

19

20

21

22

23

24

25

26

27

28

Do you see that?

A. I do. And I have both concepts in my report, you'll see, I think, at my page 14, where I say they have evidentiary support *or* if specifically so identified will have evidentiary support after a reasonable opportunity for further investigation or discovery.

15:58

15:59

15:59

- 13 469 Q. Yes. And, Mr. Serwin, can I put it to you, in
 14 circumstances where there wasn't one single case that
 15 you could identify back in May or can identify now
 16 where Rule 11 was a hurdle or an issue, wasn't it
 17 incorrect of you to identify for the DPC that it was an
 18 independent hurdle to plaintiffs?
 - A. No. Because I think again it's something that if you're a civil lawyer filing a case, I think -- you know, Rule 11 is something you consider in every case, whether it's national surveillance, a civil case of any kind. And so again, the point I was making is it is, it does apply in every case. I think it could inhibit lawyers from filing some of these cases where there's not clear evidence or they have no track of feeling like they could get clear evidence. I included it and would include it again.
- 29 470 Q. But you were asked to talk about practice as well as

1			law. And isn't it entirely speculative what you've	
2			just said?	
3		Α.	I think it is I think different lawyers may have	
4			different views. I don't think it's speculative that	
5			Rule 11 applies to a complaint in federal court.	16:00
6			Because it does. I mean, it's any pleading that's	
7			signed. So I think the question is how do individual	
8			lawyers read this, react to it when you have a scenario	
9			where facts are difficult to come by to begin with and	
10			may be difficult to get in discovery?	16:00
11	471	Q.	But it's theoretical, I think, rather than based on	
12			your daily practice, isn't that right?	
13		Α.	Rule 11 is not theoretical, no.	
14	472	Q.	No, no, your interpretation of what it means in an	
15			apposite context?	16:00
16		Α.	It's my opinion on it. I mean, what I'd say is it's my	
17			opinion that it <i>can</i> be an issue, yes.	
18	473	Q.	But not based on anything you've ever seen in relation	
19			to the case law or your own experience?	
20		Α.	I've not seen a case where the government has brought a	16:00
21			Rule 11 case. But also, you know, you can't prove the	
22			negative of saying that attorneys are or are not filing	
23			these cases, because you never know what cases don't	
24			get filed. That's the issue.	
25			MS. HYLAND: Judge, I see it's just four o'clock there.	16:00
26			Thank you very much.	
27			MS. JUSTICE COSTELLO: Yes, thank you. We'll resume	
28			again tomorrow at eleven. Just in relation to the	
29			timetable for the case, I know that you're obviously	

1	not finished, and there will be some re-examination,	
2	I'm anticipating. And then we've two Facebook	
3	witnesses.	
4	MS. HYLAND: Yes.	
5	MS. JUSTICE COSTELLO: At the rate we're going, it's	16:01
6	not a witness a day, it's a day and a bit per witness,	
7	if I can put it that way.	
8	MS. HYLAND: Yes.	
9	MS. JUSTICE COSTELLO: And this is far too significant	
10	to limit persons' cross-examination and that. So I'm	16:01
11	just thinking of our friends the amici; they had been	
12	indicated that it was going to be possibly towards the	
13	end of this week. What is your best estimate? Would we	
14	be talking Tuesday, would we be talking Wednesday next	
15	week?	16:01
16	MS. HYLAND: Yes.	
16 17	MS. HYLAND: Yes. MS. JUSTICE COSTELLO: I think we certainly should at	
17	MS. JUSTICE COSTELLO: I think we certainly should at	
17 18	MS. JUSTICE COSTELLO: I think we certainly should at least let them know. Would you agree with me it's not	16:01
17 18 19	MS. JUSTICE COSTELLO: I think we certainly should at least let them know. Would you agree with me it's not going to be this week?	16:01
17 18 19 20	MS. JUSTICE COSTELLO: I think we certainly should at least let them know. Would you agree with me it's not going to be this week? MR. GALLAGHER: I alerted Mr. Collins this morning that	16:01
17 18 19 20 21	MS. JUSTICE COSTELLO: I think we certainly should at least let them know. Would you agree with me it's not going to be this week? MR. GALLAGHER: I alerted Mr. Collins this morning that we hadn't perhaps made as much headway as we had	16:01
17 18 19 20 21 22	MS. JUSTICE COSTELLO: I think we certainly should at least let them know. Would you agree with me it's not going to be this week? MR. GALLAGHER: I alerted Mr. Collins this morning that we hadn't perhaps made as much headway as we had anticipated and I said to him it certainly wouldn't be	16:01
17 18 19 20 21 22 23	MS. JUSTICE COSTELLO: I think we certainly should at least let them know. Would you agree with me it's not going to be this week? MR. GALLAGHER: I alerted Mr. Collins this morning that we hadn't perhaps made as much headway as we had anticipated and I said to him it certainly wouldn't be before Friday afternoon. But I think Tuesday is	
17 18 19 20 21 22 23 24	MS. JUSTICE COSTELLO: I think we certainly should at least let them know. Would you agree with me it's not going to be this week? MR. GALLAGHER: I alerted Mr. Collins this morning that we hadn't perhaps made as much headway as we had anticipated and I said to him it certainly wouldn't be before Friday afternoon. But I think Tuesday is realistic, Judge.	
17 18 19 20 21 22 23 24 25	MS. JUSTICE COSTELLO: I think we certainly should at least let them know. Would you agree with me it's not going to be this week? MR. GALLAGHER: I alerted Mr. Collins this morning that we hadn't perhaps made as much headway as we had anticipated and I said to him it certainly wouldn't be before Friday afternoon. But I think Tuesday is realistic, Judge. MR. MURRAY: Judge, will the court be sitting on Monday	

29

would it be Wednesday? Because we have Prof. Swire, I

1	understand Mr. Gallagher envisages spending a little	
2	time in-chief with Prof. Swire, there'll be	
3	cross-examination of Prof. Swire, then Prof. Vladeck,	
4	and presumably he will be in-chief and cross-examined,	
5	re-examination, I suspect, of both. Mr. Gallagher is	16:02
6	perhaps a better judge than I, but	
7	MR. GALLAGHER: Well, it's difficult to predict.	
8	Neither	
9	MS. JUSTICE COSTELLO: Of course. And I'm not limiting	
10	anybody.	16:02
11	MR. GALLAGHER: No, no. And I fully appreciate that,	
12	Judge, it's a very relevant question. Prof. Swire and	
13	Prof. Vladeck will be somewhat longer in	
14	examination-in-chief, not least because when they filed	
15	their reports they hadn't, of course, seen the	16:02
16	supplemental Serwin or indeed the Richards report.	
17	MS. JUSTICE COSTELLO: No, no, I'm not criticising at	
18	all. I mean, that's not an issue.	
19	MR. GALLAGHER: Yeah, just to explain that, I know	
20	that. I still think that there is some prospect of	16:02
21	Tuesday, but it may be Tuesday afternoon. But I'd be	
22	reluctant to lose time by saying Wednesday.	
23	MS. JUSTICE COSTELLO: No, no, I'm not suggesting	
24	losing time, no.	
25	MR. GALLAGHER: So I think Tuesday is the more	16:02
26	sensible.	
27	MS. JUSTICE COSTELLO: Then in relation to the running	
28	order, Ms. Barrington, had you discussed this? I think	
29	you were going to go	

1	MS. BARRINGTON: Well, I think it was indicated	
2	certainly at the directions hearing that my client	
3	would go last	
4	MS. JUSTICE COSTELLO: Yes, exactly. Going last, yes.	
5	MS. BARRINGTON: of the amici. I'm not sure that	6:03
6	the others have particularly agreed a running order as	
7	between them, and that's something that	
8	MS. JUSTICE COSTELLO: Well, then there was the issue	
9	as to whether or not there was going to be any time	
10	limit in relation to that.	6:03
11	MS. BARRINGTON: Yes. I think equally, at the	
12	directions hearing, Judge, the parties did indicate	
13	some tentative timeframes; I think Mr. Collins had	
14	indicated perhaps an hour and a half and we'd certainly	
15	indicate two hours and that was the maximum, I think, 1	6:03
16	of the timeframes given to the court, Judge.	
17	MR. MURRAY: Mr. Collins' timeframes, "tentative" is	
18	not perhaps the best word, Judge.	
19	MS. JUSTICE COSTELLO: I was thinking at the rate we're	
20	going Mr. Michael Collins will be back with us.	6:03
21	MR. GALLAGHER: And that will certainly add to it.	
22	MS. JUSTICE COSTELLO: I think he's reading the	
23	transcripts, so he'll know.	
24	MS. BARRINGTON: It may be, Judge, that without their	
25	affidavits there will be there will be a little less	6:04
26	time than they had	
27	MS. JUSTICE COSTELLO: Well, no, I'm not asking you to	
28	comment on the duration there.	

MS. BARRINGTON:

29

But, sorry, Judge, so far as my client

1	is concerned, we'd be very keen to keep to our	
2	indication of time.	
3	MS. JUSTICE COSTELLO: Yes. Well, very good. So if	
4	you can let them know that it's certainly not this	
5	week.	16:0
6	MS. BARRINGTON: Yes.	
7	MS. JUSTICE COSTELLO: But to be on standby, let's put	
8	it that way, for Tuesday, probably Tuesday afternoon.	
9	And I will have to, obviously, inform McGovern J. that	
10	we haven't done our three weeks and	16:0
11	MR. MURRAY: May it please the court. Thank you,	
12	Judge.	
13	MS. BARRINGTON: May it please the court.	
14	MS. JUSTICE COSTELLO: we'll hold onto this court	
15	for longer.	16:0
16	MR. GALLAGHER: Thank you very much, Judge.	
17		
18	THE HEARING WAS THEN ADJOURNED UNTIL THURSDAY, 23RD	
19	FEBRUARY AT 11:00	
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		

•	Welcome [1] - 41:7	14 [5] - 106:11,	106:23, 106:24,	150:20, 150:25,
	– 'well [2] - 18:7,	106:13, 163:26,	115:14, 131:25, 150:2	150:29, 151:15,
	166:22	163:27, 172:9	2(a)(i [1] - 94:9	151:19, 152:1, 152:6,
'Accuracy [1] - 23:8	'What [2] - 65:15,	15 [4] - 5:17, 5:19,	2.0 [2] - 100:9,	153:13, 153:22,
'adequately [1] -	80:9	60:24, 60:26	100:18	153:26, 154:2,
39:20	'Will [1] - 166:6	16 [1] - 168:2	2.5 [1] - 99:23	154:10, 154:14,
'all [1] - 40:15	'You [1] - 166:23	16th [2] - 59:10,	2007 [1] - 122:7	154:21, 154:28,
'also [1] - 31:14	'You're [1] - 157:29	103:22	2008 [2] - 14:21,	155:17, 155:27
'an [1] - 26:22	• •			2712(c [1] - 147:13
'bare [1] - 43:4	'You've [1] - 67:12	17 [2] - 85:15, 116:17	129:6	• • •
		18 [7] - 66:21, 67:2,	2011 [1] - 122:11	2712c [2] - 106:7,
'bare' [1] - 26:21	1	67:26, 82:15, 94:9,	2013 [2] - 67:9,	107:12
'believes [1] - 168:27		— 96:3, 96:4	111:21	28 [1] - 3:3
'certainly [1] - 46:10	4 04040	18/2712 [1] - 147:10	2015 [3] - 100:29,	29 [6] - 1:2, 82:27,
'concrete [3] - 26:1,	1 [14] - 3:4, 3:10,	1806 [16] - 93:27,	121:12, 162:20	82:29, 83:1, 170:29
26:6, 47:18	5:19, 14:16, 16:21,	94:14, 118:12,	2016 [9] - 30:6,	2ND [1] - 2:16
'concrete' [3] - 31:7,	47:29, 96:15, 106:13,	118:13, 118:17,	70:28, 81:15, 88:7,	
12:10, 43:4	106:20, 106:23,	118:18, 118:19,	99:27, 100:1, 100:11,	3
'concreteness' [1] -	106:24, 106:25,	121:9, 122:25,	101:1, 126:25	
25:27	121:16, 150:1	124:27, 131:17,	2016/4809P [1] - 1:5	
'confused [1] - 43:27	1-3 [1] - 86:9	131:23, 131:27,		3 [8] - 14:17, 15:25,
	10 [6] - 28:18, 29:1,		2017 [2] - 1:18, 5:2	25:20, 42:5, 94:6,
'Considering [1] -	29:17, 29:18, 95:13,	132:8, 159:25, 159:27	207 [1] - 86:16	106:25, 115:14, 118:
39:24	153:11	1806(a [1] - 143:25	207/102 [1] - 92:20	30 [1] - 127:7
'emotional [1] -	102 [1] - 92:22	1806a [1] - 104:7	20th [1] - 37:8	305(a [1] - 115:18
l6:16	• •	1809 [8] - 93:27,	21 [1] - 122:25	32 [2] - 99:13, 101:8
'fear [1] - 46:17	103 [1] - 116:21	94:16, 94:17, 94:20,	215 [8] - 69:3,	
'had [1] - 43:28	105B [1] - 130:9	118:1, 118:4, 118:5,	110:28, 111:5,	33 [4] - 101:8,
'has [1] - 31:11	106(a [1] - 115:18	118:8	111:12, 112:9,	101:10, 106:19,
'Here [2] - 153:5,	10th [2] - 38:8, 44:8	1810 [22] - 93:27,	112:20, 113:11,	106:24
153:18	11 [23] - 64:19,	94:11, 115:15,	164:25	33% [2] - 47:29,
'hey [2] - 120:3,	64:21, 64:23, 64:29,	133:15, 133:25,	22 [2] - 82:21, 82:22	48:10
158:17	65:23, 95:7, 163:19,	133:27, 134:18,		35 [2] - 15:24, 25:20
	164:3, 165:7, 165:22,	135:7, 135:24,	22ND [1] - 5:1	36 [1] - 128:29
' If [1] - 154:10	166:2, 167:1, 167:3,		22nd [2] - 1:18, 88:6	37 [2] - 129:7, 129:9
'indication [1] -	167:13, 169:7,	135:28, 136:8,	23RD [1] - 177:18	37-42 [1] - 2:23
12:24	169:20, 169:27,	137:10, 138:22,	23rd [1] - 41:29	39 [1] - 130:7
'intangible' [1] - 31:7	170:15, 172:16,	139:11, 139:14,	24th [2] - 59:13,	66 [1] 100.7
'intentionally [2] -	172:21, 173:5,	140:5, 140:8, 140:11,	72:13	1
146:18, 146:20		141:26, 142:2,	26 [3] - 131:10,	4
'Is [1] - 166:5	173:13, 173:21	142:16, 150:28	131:15, 131:16	
'Look [1] - 65:8	110 [1] - 75:18	1845 [1] - 117:13	27 [1] - 121:11	4 [9] - 2:14, 14:17,
'may [1] - 30:13	111 [1] - 75:27	185 [1] - 35:6	2712 [69] - 66:19,	39:8, 39:13, 42:5,
'no [1] - 47:4	112 [3] - 75:15,	1861 [1] - 110:28	66:22, 67:2, 67:12,	
'objectively [1] -	75:16, 76:6	1881a [2] - 11:11,	67:14, 67:17, 93:27,	43:11, 100:5, 109:22
61:12	1145 [1] - 168:6	168:25		118:16
	1155 [1] - 8:3	1881a(e [1] - 11:7	94:9, 105:13, 105:15,	40 [2] - 16:12, 130:7
'Okay [2] - 66:4,	1156 [1] - 11:5	1890 [1] - 33:3	105:17, 105:18,	405(a [2] - 115:22,
166:22	1159 [1] - 14:11		105:19, 105:20,	117:9
'particularized' [1] -	1160 [1] - 14:25	19 [1] - 106:18	106:1, 106:6, 107:21,	40s [1] - 33:19
31:4		1967 [1] - 8:26	109:5, 110:12,	42 [3] - 85:13, 85:16
'people [1] - 168:28	119 [4] - 147:4,	1992 [1] - 57:5	110:14, 110:29,	114:18
'plausibly [1] - 47:23	154:5, 155:1, 155:13	1995 [2] - 57:7, 57:8	111:12, 111:15,	456 [1] - 35:5
'real [1] - 62:12	11:00 [1] - 177:19	1st [1] - 76:22	111:21, 111:22,	49 [2] - 106:22,
'risk [1] - 62:17	11th [5] - 59:9,	1ST [1] - 2:10	111:29, 112:2, 112:4,	130:11
'set [1] - 47:24	59:16, 71:12, 103:16,		_ 112:20, 113:20,	
'Spokeo [1] - 18:3	103:28	2	115:8, 115:15, 116:2,	
'Spokeo's [1] - 26:28	12 [4] - 52:29, 75:8,		- 116:11, 116:14,	5
•	85:13, 95:8		117:4, 118:6, 119:6,	
'substantial [2] -	121 [1] - 147:4	2 [18] - 2:8, 2:19,		5 [4] - 2:18, 4:4, 4:5,
18:9, 48:14	13 [8] - 3:9, 28:2,	2:24, 2:28, 2:29,	143:23, 145:2, 145:3,	
'the [1] - 65:8	85:27, 85:28, 86:1,	14:16, 22:7, 48:1,	145:15, 146:27,	43:12
	00.21, 00.20, 00.1,		147:1, 147:7, 148:2,	5(a [1] - 73:19
'to [1] - 47:20	86.0 86.11 121.19	94.5 94.11 104.2	440 4 440 1-	
'to [1] - 47:20 'we [3] - 113:16,	86:9, 86:11, 131:18 135 _[1] - 52:28	94:5, 94:11, 104:2, 104:3, 106:13,	148:4, 148:15, 148:22, 148:24,	50 [2] - 28:19, 29:22 50s [1] - 33:19

14 [5] - 106:11,

'welcome [1] - 41:7

106:23, 106:24,

150:20, 150:25,

52 [1] - 96:17 above-named [1] -43:20 67:4, 107:21, 107:29, administrative [3] -109:2, 171:4 **56** [3] - 4:8, 30:26, 1:26 ACLU [12] - 5:15, 107:13, 108:4, 147:14 30:27 abroad [2] - 57:1, 51:7, 65:5, 66:27, active [1] - 121:23 admission [1] - 43:1 5th [3] - 70:27, 168:22 66:29, 110:4, 110:8, activists [1] - 169:1 admit [2] - 119:19, absolutely [11] -113:3, 113:16, activities [10] -72:12, 126:25 120:27 71:23, 105:22, 106:1, 113:22, 120:14, 122:5 28:23, 29:27, 88:17, admitted [1] - 57:8 6 122:5, 124:11, ACLU/Clapper [1] -90:27, 101:17, adopt [2] - 23:11, 124:26, 128:26, 101:20, 122:24, 151:16, 155:26, acquired [3] - 61:16, 126:1, 129:20, 130:25 adopted [1] - 44:15 6[4] - 5:22, 107:2, 162:2, 166:14 115:19, 115:24 activity [5] - 88:14, advance [1] - 44:28 107:28, 114:17 abstraction [1] acquisition [2] -101:14, 114:25, advance.. [1] - 76:3 **60** [1] - 83:1 11:16, 127:19 114:29, 115:9 adversarial [1] -60s [1] - 33:19 Abuse [3] - 59:27, act [1] - 92:8 actors [1] - 135:27 131:25 **617** [3] - 107:5, 95:2, 95:7 Act [58] - 9:8, 14:21, actual [12] - 42:25, adverse [1] - 46:18 107:26. 107:27 **AC** [1] - 124:22 15:28, 16:11, 16:18, 50:12, 53:24, 54:27, advertisers [1] -**62** [1] - 36:13 academic [1] - 25:12 16:23, 16:27, 18:4, 54:29, 61:24, 74:19, 17:10 66% [1] - 48:12 18:14, 37:8, 37:11, 78:25, 123:17, accept [18] - 47:8, advertises [1] -**67** [2] - 137:13, 52:1, 76:4, 77:14, 38:23, 38:25, 42:1, 128:29, 160:26, 17:13 137:17 44:11, 46:21, 54:24, 160:28 77:19, 95:18, 96:28, **ADVICE** [1] - 3:9 6th [1] - 44:24 55:13, 59:23, 59:24, Adams [3] - 37:29, 100:19. 120:28. advice [3] - 80:25, 59:26, 59:27, 66:11, 148:8, 154:13, 38:3, 44:5 80:27, 80:29 7 158:29, 159:17, 69:24, 70:4, 95:2, add [3] - 24:26, advices [2] - 78:17, 159:21, 159:24, 95:3, 95:8, 95:9, 81:26, 176:21 88.16 95:13, 110:14, 129:7, added [4] - 10:22, 160:27, 163:13, advise [2] - 89:11, 7[4] - 29:16, 29:17, 137:19, 146:14, 59:12, 103:24, 103:25 171:20 157:5 29:20, 55:11 accepted [4] - 82:26, 148:13, 148:14, addition [2] - 23:22, advised [1] - 89:10 7/8 [1] - 2:8 149:1, 149:8, 149:13, 151:9, 153:25, 155:26 59:15 advising [1] - 80:2 **70** [1] - 4:9 149:23, 149:26, access [14] - 6:4, additional [11] advocate [1] - 172:4 702 [10] - 123:12, 149:28, 150:1, 150:4, 8:7, 11:23, 17:4, 22:9, 25:3, 37:6, affairs [1] - 128:5 123:20, 123:22, 150:6, 151:17, 154:8, 38:26, 51:8, 52:19, 72:13, 79:2, 79:3, affect [1] - 26:26 124:29, 127:16, 52:24, 74:4, 74:5, 154:22, 155:6, 94:15, 94:19, 117:2, affected [3] - 48:10, 127:18, 127:22, 156:23, 156:24, 74:19, 107:23, 117:17, 117:24 48:12, 48:26 129:3, 130:17, 131:26 156:28, 157:1, 157:5, 146:15, 146:21 address [6] - 46:5, affidavit [15] - 56:7, **70s** [1] - 33:20 157:7, 157:20 accessed [2] - 12:23, 52:5, 57:21, 66:11, 56:13, 56:15, 56:22, acted [2] - 108:16, 17:24 68:3. 152:24 58:11, 72:1, 72:4, 8 110:12 accesses [1] addressed [3] -72:23, 75:2, 75:11, acting [6] - 134:19, 146:18 59:11, 59:12, 88:28 76:22, 81:9, 81:20, 135:4, 138:12, accessing [3] - 6:17, addresses [1] -8 [3] - 30:26, 36:14, 85:10 139:16, 143:9, 143:13 9:17, 50:25 59:24 55:11 affidavits [1] action [45] - 1:27, accompanies [1] addressing [1] -80 [2] - 81:23, 81:24 176:25 5:4, 12:3, 18:11, 170:14 24:25 **801** [1] - 5:23 affirmatively [2] -18:12, 18:15, 18:17, **85** [2] - 4:10, 142:14 accordance [2] adequacy [20] - 73:9, 112:3, 132:13 20:25, 22:21, 28:1, 23:16, 115:21 74:23, 74:25, 77:21, afraid [1] - 102:4 38:17, 55:13, 58:16, account [1] - 129:15 9 77:24, 77:26, 87:6, **AFTER** [2] - 4:10, 58:19, 60:18, 60:20, 87:12, 88:20, 89:1, accountability [1] -85.1 60:21. 61:23. 66:18. 131:24 89:4, 89:9, 89:14, afternoon [11] - 5:14, 9[2] - 1:18, 95:6 67:3, 67:22, 67:25, 91:10, 91:13, 91:14, accuracy [5] - 16:13, 6:2, 6:16, 15:27, 91 [3] - 86:16, 87:26, 67:28, 68:7, 68:10, 16:25, 18:3, 23:15, 91:16, 91:17, 91:23, 51:13, 70:21, 70:22, 74:21, 77:28, 83:28, 92:21 95:24 23:20 85:3, 174:23, 175:21, 85:4, 92:6, 95:26, 96 [1] - 170:29 adequate [3] - 59:2, accurate [3] - 54:17, 177:8 102:28, 103:14, 92:3, 152:19 128:20, 138:21 age [1] - 125:16 105:7, 105:12, Α accurate' [1] - 18:6 adequately [2] agencies [9] - 16:15, 108:21, 108:24, acknowledge [1] -63:25, 123:17 16:24, 23:11, 73:24, 109:8. 109:9. 133:25. ADJOURNED [1] -42:23 108:12, 137:20, **A&L** [1] - 3:3 140:22, 140:27, acknowledged [4] -177:18 145:11, 145:14, 150:4 a.. [1] - 57:1 145:3, 153:21 ADJOURNMENT [1] 44:12, 123:18, Agency [1] - 159:11 ability [4] - 24:14, action' [1] - 97:6 123:22, 123:25 - 84:20

actions [6] - 55:20,

actionable [1] -

153:15

acknowledges [2] -

acknowledging [1] -

64:14, 83:3

adjust [1] - 37:19

66:10, 110:14

Administrative [2] -

26:29, 38:25, 49:21

35:13, 76:18, 116:1,

141:24

able [6] - 5:20, 29:13,

agency [15] - 67:21,

67:23, 67:25, 67:28,

68:15, 68:16, 108:10,

68:7, 68:11, 68:12,

108:14, 108:17,	40:15	136:20, 145:6, 165:29	143:23, 143:26,	21:8, 33:3
108:20, 108:23,	Alliance [1] - 2:26	answered [3] -	172:24	articles [1] - 33:15
108:26	allow [2] - 21:20,	13:29, 43:6, 52:8	applying [3] - 17:20,	Articles [1] - 55:11
Agency's [1] -	78:3	answering [1] -	30:21, 48:16	articulation [1] -
121:19	allowed [4] - 22:23,	13:27	apposite [1] - 173:15	166:10
agents [3] - 104:20,	24:1, 37:17, 102:1	anticipated [2] -	appreciate [2] -	AS [5] - 5:1, 5:11,
134:10, 134:19	allows [1] - 109:2	158:1, 174:22	101:29, 175:11	56:4, 70:19, 85:1
aggregate [2] -	almost [5] - 30:5,	anticipating [1] -	approach [3] - 77:9,	Ascenda [2] - 37:28,
17:27, 34:10	57:13, 92:7, 123:27,	174:2	114:23, 157:20	38:5
aggregates [1] -	142:17	anyway [1] - 143:23	approaches [1] -	aside [5] - 12:21,
17:14	alone [6] - 33:3,	APA [21] - 66:15,	44:15	80:11, 80:14, 150:29,
agitate [2] - 11:27,	39:28, 50:23, 58:1,	67:4, 67:11, 67:14,	appropriate [6] -	155:9
12:17	76:28, 77:21	67:21, 67:29, 68:4,	12:7, 75:22, 105:16,	assert [2] - 28:21,
ago [8] - 18:21,	alter [2] - 62:7, 62:19	69:6, 69:14, 69:20,	108:10, 108:13,	29:24
19:19, 37:9, 45:23,	ambit [1] - 152:21	70:12, 110:19,	108:19	asserted [1] - 39:5
54:23, 59:21, 81:20, 138:26	Amendment [15] -	110:22, 110:24, 111:23, 111:25,	approval [2] - 11:12, 42:23	asserting [2] - 13:3,
agree [16] - 91:2,	5:25, 7:1, 8:26, 9:3, 12:8, 12:14, 14:3,	112:4, 112:12,	approve [1] - 114:25	32:7 assertion [1] - 46:20
94:1, 101:20, 112:26,	32:19, 32:24, 127:19,	112:26, 122:7, 163:5	approved [1] -	assess [4] - 87:11,
121:22, 126:4,	127:28, 128:1, 129:8,	apart [3] - 12:17,	128:11	91:14, 119:7, 119:25
130:21, 132:2, 132:6,	130:14, 130:17	72:14, 167:16	April [3] - 58:12,	assessing [1] - 31:5
132:19, 133:13,	amendment [2] -	apologise [8] - 86:1,	70:27, 72:12	assessment [2] -
138:20, 142:18,	14:21, 172:2	87:27, 88:1, 96:2,	arch [2] - 79:11,	14:12, 73:9
142:20, 156:6, 174:18	Amendments [1] -	96:7, 99:6, 145:29,	79:13	assist [2] - 88:18,
agreed [7] - 8:5,	62:1	146:3	area [9] - 8:12, 14:2,	120:13
51:2, 52:9, 64:9,	America [1] - 37:23	appeal [1] - 69:13	34:25, 49:16, 57:20,	assistance [3] -
85:28, 133:1, 176:6	AMERICA [1] - 2:21	Appeal [5] - 69:18,	89:6, 97:24, 157:4,	9:12, 55:28, 93:9
agreement [2] -	American [12] -	162:17, 163:7, 163:8	165:16	associated [2] -
131:21, 133:12	31:13, 31:22, 31:23,	Appeals [1] - 110:6	areas [4] - 57:18,	28:2, 168:27
ahead [2] - 145:29,	32:5, 32:6, 32:14,	appear [2] - 36:5,	100:16, 101:17,	associates [1] -
166:23	34:1, 99:5, 116:6,	36:7	168:29	93:11
AHERN [1] - 2:18	121:11, 141:6	APPEARANCES [1] -	arguably [1] - 169:12	assume [6] - 14:28,
akin [2] - 55:16, 169:20	amici [5] - 75:22,	2:3	argue [2] - 12:19,	51:21, 113:13, 119:8,
albeit [2] - 154:21,	76:9, 76:19, 174:11, 176:5	appellant [1] - 3:24 appellate [4] - 8:29,	123:17	161:13, 165:24
160:2	amicus [1] - 26:28	45:15, 45:18, 70:12	argument [10] - 28:25, 29:28, 30:7,	assumed [3] - 135:11, 135:19,
alerted [1] - 174:20	Amnesty [6] - 7:28,	appendix [1] - 56:21	104:19, 110:18,	135:21
aliens [1] - 12:27	120:15, 123:2, 123:4,	applicable [3] -	126:29, 128:2, 128:7,	Assuming [1] -
Alito [1] - 19:24	156:26, 167:29	110:20, 110:22,	129:12, 137:29	127:27
allegation [6] - 18:3,	analogise [1] - 33:11	147:16	arguments [1] -	assuming [6] -
34:29, 47:8, 48:10,	analogous [1] -	application [13] -	37:17	83:18, 83:21, 84:2,
48:21, 62:1	32:19	72:9, 75:24, 75:25,	arise [1] - 153:21	84:5, 92:7, 130:14
allegations [11] -	analogue [1] - 34:8	76:7, 76:13, 76:17,	arising [5] - 15:27,	assumption [4] -
25:27, 40:12, 47:24,	analogy [1] - 33:7	76:23, 110:24,	24:23, 30:22, 46:25,	53:11, 84:5, 136:8,
48:8, 48:19, 49:19,	analysis [11] - 31:3,	112:26, 122:16,	61:7	161:15
49:20, 61:11, 61:28,	35:29, 36:11, 51:22,	130:17, 141:3	arose [3] - 16:2,	assure [2] - 16:24,
124:22, 170:4	54:15, 62:8, 62:19,	applications [3] -	28:10, 72:27	18:2
allege [10] - 12:1, 18:13, 21:11, 40:5,	95:24, 98:13, 129:2,	75:21, 75:22, 76:20 applied [4] - 12:19,	art [1] - 7:14 Article [31] - 6:23,	asterisk [1] - 128:19
42:12, 47:29, 61:15,	143:16 analytical [2] -	137:11, 139:15,	7:3, 11:24, 21:13,	AT [1] - 177:19
62:9, 73:18, 123:17	41:13, 49:16	139:29	25:2, 28:11, 28:21,	attached [1] - 112:13
alleged [16] - 6:27,	AND [1] - 1:13	applies [5] - 16:18,	29:11, 29:21, 29:25,	attempted [2] - 53:17, 127:3
17:21, 26:21, 40:7,	and [1] - 177:10	136:13, 139:16,	31:8, 39:6, 40:26,	attempting [3] -
43:2, 43:26, 44:1,	ANDREW [2] - 4:6,	153:10, 173:5	41:2, 42:4, 43:24,	19:26, 127:7, 152:11
47:5, 61:7, 62:2,	56:3	apply [15] - 9:28,	44:17, 46:4, 46:8,	attendant [1] - 160:2
67:28, 69:4, 73:17,	annexes [1] - 86:15	36:10, 54:16, 73:16,	46:19, 47:9, 51:23,	attention [3] - 24:6,
114:8, 122:2, 164:26	annual [1] - 127:8	101:13, 115:9,	61:4, 61:5, 62:4,	54:22, 82:17
allegedly [3] - 30:22,	answer [10] - 49:9,	115:27, 134:18,	62:11, 63:16, 64:1,	attenuated [1] -
158:10, 168:18	52:25, 65:16, 70:16,	135:3, 135:16,	64:9, 70:14	47:13
alleges [2] - 39:20,	77:17, 78:7, 135:18,	135:25, 142:16,	article [3] - 19:18,	attorney [10] - 64:24,

65:25, 65:28, 65:29, 66:2, 66:3, 123:10, 123:15, 123:19, 124:4 Attorney [1] - 144:20 attorneys [2] -168:17, 173:22 audience [1] - 57:27 author [2] - 19:16, 19:17 authorisation [1] -146:19 authorise [1] - 21:7 authorised [1] -146:15 authoritative [1] -171:20 **Authorities** [1] - 5:19 authorities [2] -85:29, 101:21 authority [9] - 11:11, 12:20, 39:10, 39:18, 41:11, 44:21, 48:16, 137:18, 171:23 authorization [2] -42:16, 146:21 authorizes [1] -14:21 authorizing [1] -42:21 automatically [2] -21:5. 50:3 available [11] - 5:26, 54:11, 54:13, 55:12, 58:21, 73:20, 83:29, 89:12, 104:2, 116:22, 117:3 avenues [2] - 93:17, 94:28 avoid [3] - 48:2, 49:22, 165:7 aware [16] - 24:26, 34:15, 51:21, 78:9, 86:26, 135:29, 139:11, 139:12, 139:28, 140:3,

В

156:22, 156:25,

159:15, 160:4

Background [1] -129.6 background [2] -16:6, 43:28 balanced [1] -116:26 Bank [2] - 37:29, 44:5

BANK [1] - 2:13

bar [1] - 57:8 bare [3] - 21:11, 21:17, 22:11 BARRINGTON [8] -2:21, 176:1, 176:5, 176:11, 176:24, 176:29, 177:6, 177:13 Barrington [1] -175:28 BARROW [1] - 2:13 base [1] - 119:22 Based [1] - 62:8 based [11] - 34:7, 34:29, 50:21, 57:12, 60:20, 61:11, 62:5, 63:3, 120:18, 173:11, 173:18 baseline [2] - 98:11, 98:25 basis [37] - 31:12, 31:21, 64:5, 64:25, 64:27, 76:29, 77:12, 77:13, 80:27, 97:19, 113:25, 113:27, 122:26, 123:21, 124:7, 124:12, 132:22, 133:4, 133:13, 141:16, 142:19, 157:18, 159:12, 161:28, 164:4, 164:18, 165:11, 165:13, 165:15, 166:14, 167:4, 167:11, 168:3, 168:13, 169:16, 170:6, 170:8 Bates [1] - 122:9 bear [1] - 27:8 Beck [2] - 44:23, 47:6

became [1] - 121:28

become [1] - 48:11 **BEEN** [1] - 56:3 BEFORE [1] - 1:17 beg [7] - 86:16, 94:18, 122:27, 146:1, 154:16, 154:25,

159:27 begging [1] - 51:4 begin [2] - 63:7, beginning [2] -

31:24, 71:23 begins [3] - 25:21, 39:15, 145:17 begs [2] - 19:27, 51:3

behalf [1] - 28:1 behavior [1] - 14:17 behind [2] - 95:23,

171:2 belief [5] - 41:25, 78:14, 148:19, 165:15, 165:18 belief' [1] - 168:13 belive [1] - 79:17 below [2] - 36:13, 145:16 beneficial [1] -138:25

> 100:29 best [8] - 55:21, 135:17, 136:27, 157:19, 160:8, 161:3, 174:13, 176:18

bereavements [1] -

better [7] - 20:14, 48:19, 63:13, 158:16, 160:12, 161:5, 175:6 between [13] - 11:13, 31:26, 33:7, 33:25,

40:29, 53:7, 68:18, 72:12, 129:18, 136:23, 138:11, 151:12, 176:7

beyond [5] - 45:24, 110:15, 117:24, 130:29, 131:2 biographical [2] -

56:22, 57:19 bit [13] - 7:10, 22:7, 46:27, 71:19, 71:29, 95:4, 96:8, 98:4,

119:20, 144:25, 151:23, 156:10, 174:6 bits [1] - 138:8

BL [7] - 2:6, 2:11, 2:17, 2:21, 2:27, 3:2, 3:8

Blackstone [1] -32:13

blank [2] - 35:24, 154:5

blanket [1] - 136:17 blocking [1] - 110:13 blunt [1] - 100:21

boat [2] - 158:21, 161:19 Bob [3] - 94:19,

94:21, 95:11 bomb [1] - 127:8 book 1321 - 5:18. 7:25, 19:16, 56:8, 56:11, 56:13, 57:22, 57:26, 57:29, 58:5, 58:7, 75:4, 75:5, 75:9,

82:16, 86:7, 96:3, 96:8, 97:25, 97:27, 98:3, 98:7, 98:8, 98:23, 99:27, 100:21, 106:9, 118:6, 118:8, 154:16

Book [10] - 5:19, 15:25, 85:27, 85:28, 86:1, 96:15, 106:11, 106:13, 106:25 booklet [2] - 106:15,

bottom [7] - 8:3, 107:12, 108:3, 146:12

breach [26] - 9:20, 16:9, 27:23, 28:14,

39:3, 41:2, 45:1, 48:29, 49:6, 74:10,

147:14, 165:7,

breaches [15] -10:13, 32:20, 40:7, 46:18, 46:26, 48:1,

142:27, 153:26,

break [3] - 52:22, 52:25, 136:20

Breyer [2] - 8:1, 15:13

brief [4] - 26:28,

72:14

briefly [9] - 57:3, 57:21, 59:18, 59:25, 63:10, 64:21, 66:14, 105:19, 118:5 bring [13] - 12:3,

49:16, 83:16, 83:28,

bringing [2] -104:27, 159:13

broader [10] - 10:1, 53:21, 58:7, 61:6,

133:16 books [9] - 19:17, 75:2, 106:12, 106:22, 106:23, 121:11, 126:10, 163:10, 170:17

bore [1] - 26:29 47:15, 75:18, 85:16,

box [1] - 160:24 Brandeis [1] - 33:3

10:8, 16:3, 16:5, 16:8, 34:23, 36:21, 36:24,

109:15, 114:7,

166:16, 166:17, 166:21, 167:1

48:11, 52:19, 61:7,

89:23, 105:27, 153:27, 153:28

BRIAN [1] - 2:5

72:2, 102:17, 108:29 briefing [2] - 71:21,

12:5, 12:21, 37:10,

90:8, 93:22, 116:1, 117:7, 157:5, 166:13

broad [4] - 18:15, 61:21, 145:11, 164:24 78:13, 117:7, 150:8, 151:23, 151:25, 153:8 broadly [3] - 8:18, 10:10.64:8 **broke** [1] - 5:14 broker [2] - 17:7, brought [9] - 12:14, 13:17, 18:1, 28:1, 113:14, 129:29, 134:28, 140:22, 173:20 **BSA**[1] - 2:26 bulk [6] - 69:4, 111:8, 164:25, 165:4 burden [2] - 46:7, burdens [1] - 47:23 bureaus [1] - 16:14

С

bus [1] - 104:11

BY [7] - 1:17, 4:5,

4:8, 4:9, 5:11, 56:4,

70:19

CAHILL [1] - 3:2 California [2] - 57:6, 57:8 CANAL [1] - 2:28 candidly [2] - 65:12, 120:20 cannot [11] - 22:12, 47:9. 50:26. 77:17. 95:27, 112:3, 118:21, 133:29, 150:13, 152:25, 158:5 canvassed [1] - 77:6 capacity [17] - 14:17, 126:4, 134:20, 135:4, 135:7, 136:16, 136:24, 136:26, 136:29, 137:1, 137:7, 137:12, 138:12, 138:16, 139:17, 143:13, 143:14 care [2] - 58:6, 58:8 career [1] - 57:11 careful [1] - 40:18 carried [1] - 158:4 Carrington [1] -32:20 carry [2] - 25:27, 171:22 carrying [1] - 95:21 case [208] - 5:16, 6:8, 6:9, 6:12, 6:16, 6:21, 6:27, 7:26, 8:21, 9:3,

10:9, 12:15, 13:9,

13:17, 15:24, 15:27,	162:17, 163:11,	103:13, 105:12,	changes [1] - 120:23	citing [2] - 35:5,
17:7, 17:12, 17:26,	164:3, 164:11,	140:21, 153:21	changing [1] - 114:1	39:29
19:16, 23:4, 27:9,	164:15, 164:19,	CENTER [1] - 3:7	channel [2] - 28:3,	citizen [11] - 11:21,
27:28, 28:8, 28:22,	166:17, 166:20,	CENTRE [1] - 3:9	37:23	12:21, 12:25, 12:26,
29:25, 30:2, 30:4,	166:27, 166:28,	century [1] - 33:18	Chao [1] - 46:24	13:1, 13:10, 58:17,
30:5, 30:18, 34:18,	167:13, 167:15,	ceremony [1] - 127:8	Chao" [1] - 46:21	74:3, 97:4, 104:26
34:27, 35:22, 36:22,	167:16, 167:17,	certain [20] - 7:21,	chapter [3] - 108:13,	citizenry [1] - 26:13
36:26, 37:6, 37:7,	167:23, 171:15,	9:25, 17:3, 31:7, 62:5,	155:1, 155:13	citizens [14] - 5:26,
37:24, 38:3, 38:5,	172:14, 172:20,	63:3, 63:5, 66:9, 67:4,	·	12:26, 12:29, 73:20,
38:29, 39:2, 39:24,	172:21, 172:22,		characterisation [1]	73:22, 94:28, 104:2,
40:21, 41:26, 42:2,	172:24, 173:19,	109:4, 115:21,	- 113:2	
· · · · · · · · · · · · · · · · · · ·		116:15, 118:20,	charge [1] - 17:2	115:28, 115:29,
42:11, 43:12, 43:29,	173:20, 173:21,	129:13, 132:18,	check [1] - 43:28	116:19, 116:22,
44:4, 44:5, 44:10,	173:29, 174:28	133:10, 139:5,	chicken [1] - 7:10	117:7, 117:8
44:16, 45:2, 45:5,	Case [1] - 1:5	139:29, 145:19, 150:6	chief [3] - 175:2,	Citron [1] - 10:28
45:6, 45:7, 45:23,	cases [84] - 10:8,	certainly [46] - 7:22,	175:4, 175:14	Civil [2] - 64:20,
47:6, 49:28, 53:27,	10:9, 10:10, 13:7,	9:4, 17:24, 33:17,	children [1] - 28:2	171:3
54:22, 60:26, 61:26,	15:26, 26:3, 26:5,	57:28, 60:11, 60:15,	children's [1] - 28:6	civil [20] - 10:8,
63:3, 63:8, 63:22,	27:23, 30:12, 30:22,	63:24, 64:4, 65:18,	choice [3] - 9:27,	10:12, 83:15, 88:18,
63:24, 63:29, 64:3,	34:15, 34:20, 35:5,	66:1, 68:2, 78:7,	157:8, 157:16	89:19, 89:22, 89:26,
64:14, 65:2, 65:7,	35:6, 35:13, 35:19,	89:18, 90:1, 90:7,	Christmas [1] -	89:29, 90:4, 90:8,
66:27, 67:8, 67:9,	36:8, 37:5, 37:27,	95:22, 98:28, 103:5,	127:8	91:7, 107:21, 107:29,
67:24, 68:2, 68:9,	40:19, 41:16, 41:22,	105:4, 105:20,		119:4, 126:4, 131:5,
68:23, 69:2, 69:3,	43:22, 49:2, 49:6,	113:13, 115:11,	chunks [1] - 32:9	166:27, 171:4,
69:9, 69:12, 69:13,	49:22, 50:7, 50:11,	119:26, 120:1,	circuit [5] - 30:1,	172:20, 172:22
69:19, 69:23, 70:15,	50:18, 50:28, 54:3,	121:26, 121:28,	44:16, 69:13, 69:14,	claim [49] - 7:1, 7:5,
73:13, 78:12, 78:14,	55:1, 61:7, 62:5,	123:28, 130:27,	138:6	7:9, 7:13, 7:14, 7:15,
78:26, 79:17, 79:18,	63:12, 64:12, 64:13,	, ,	Circuit [42] - 5:16,	
79:21, 80:10, 81:5,	90:16, 90:18, 90:22,	131:1, 136:1, 141:28,	15:14, 19:26, 27:12,	7:16, 7:19, 7:20, 9:4,
82:26, 84:6, 84:12,	111:5, 111:6, 111:19,	142:17, 156:1, 157:4,	28:29, 31:2, 37:9,	9:7, 9:11, 12:8, 12:14,
89:24, 90:12, 90:14,		157:8, 160:3, 162:12,	40:24, 43:6, 44:24,	13:14, 37:11, 42:17,
103:22, 103:24,	118:20, 120:16,	167:6, 169:12,	45:12, 61:1, 61:9,	42:20, 43:3, 43:23,
	122:3, 122:8, 122:21,	174:17, 174:22,	61:14, 61:21, 62:3,	44:26, 44:28, 46:16,
110:4, 111:4, 111:7,	124:19, 131:5, 132:1,	176:2, 176:14,	66:28, 67:27, 68:14,	55:4, 66:2, 67:11,
111:8, 111:21, 112:4,	134:18, 134:28,	176:21, 177:4	68:25, 68:26, 68:27,	67:15, 67:28, 68:4,
112:7, 112:8, 112:10,	135:16, 135:29,	certify [1] - 1:22	69:2, 69:11, 69:27,	69:6, 69:12, 69:14,
112:12, 112:18,	136:27, 136:28,	CFAA [1] - 137:24	70:5, 110:7, 110:27,	69:23, 69:25, 70:3,
113:9, 114:2, 117:23,	137:9, 139:6, 139:13,	chain [2] - 47:13,	111:7, 111:20,	70:4, 84:7, 112:8,
119:15, 119:28,	139:29, 143:18,	125:13	111:28, 133:27,	112:12, 116:1,
120:29, 121:10,	143:19, 143:28,	challenge [26] -	135:29, 136:10,	116:16, 120:14,
121:12, 121:14,	144:3, 144:11,	11:22, 12:10, 12:17,	136:12, 137:11,	149:4, 163:5, 166:13,
121:16, 122:5, 123:1,	151:24, 160:5,	12:22, 13:16, 13:17,	139:4, 139:12,	168:25, 169:5
123:4, 123:6, 124:9,	161:25, 162:8,	13:19, 13:25, 68:23,	139:14, 142:9, 162:29	claimed [2] - 43:17,
124:13, 126:8, 126:9,	162:23, 164:16,	73:29, 93:22, 100:21,	Circuit's [1] - 61:5	43:25
126:17, 127:1,	164:26, 167:12,	113:10, 113:25,		claims [16] - 31:22,
127:21, 128:3, 128:7,	167:16, 169:23,	114:5, 114:6, 114:9,	circuits [4] - 39:2,	32:18, 44:17, 61:17,
130:6, 130:18,	169:26, 170:11,	120:19, 133:5, 157:5,	41:1, 45:18, 48:23	66:20, 66:24, 66:25,
130:21, 131:29,	172:25, 173:23	157:9, 158:7, 161:23,	circular [1] - 35:29	83:16, 110:13, 112:4,
134:9, 134:15,	cases) [1] - 39:29	162:26	circularity [1] - 7:11	116:15, 117:8,
134:20, 135:2, 135:3,	categories [1] -	challenged [1] -	circulated [1] - 10:28	153:13, 169:11, 172:4
136:13, 136:16,	55:15	124:15	circumstances [13] -	Clapper [61] - 5:15,
137:5, 137:6, 137:14,	category [2] - 37:11,		9:26, 17:3, 42:29,	5:16, 6:25, 7:26, 7:28,
137:17, 138:13,	102:29	challenges [5] -	54:12, 62:13, 62:18,	11:3, 45:29, 46:7,
138:14, 139:11,	causation [2] -	13:29, 14:4, 100:22,	83:17, 87:7, 108:14,	
139:23, 140:3, 140:4,	50:14, 60:8	121:15, 121:19	110:25, 157:7, 172:14	47:15, 51:7, 53:8,
141:29, 142:1,	caused [5] - 42:19,	challenging [3] -	cite [9] - 24:27, 67:7,	60:12, 60:26, 64:14,
142:16, 143:22,		113:12, 113:18,	67:24, 69:22, 109:29,	65:1, 65:2, 65:4, 65:6,
144:18, 145:12,	44:29, 62:10, 167:23,	121:24	122:5, 134:16,	65:7, 66:27, 66:28,
148:23, 149:2,	170:12	change [8] - 44:5,	134:17, 136:13	66:29, 68:22, 68:27,
149:25, 151:10,	causes [14] - 58:16,	60:4, 121:9, 127:4,	cited [4] - 26:5,	69:2, 70:5, 110:4,
151:21, 152:3, 154:2,	58:19, 60:18, 66:18,	148:24, 161:11,	34:18, 34:20, 67:26	110:7, 110:27, 111:7,
	74:20, 77:28, 83:28,	171:15, 171:19	cites [2] - 66:27, 68:2	111:20, 111:28,
160:17, 160:23,	95:26, 97:6, 102:27,	changed [1] - 60:6	cities [1] - 56:28	112:7, 120:15, 123:1,
160:29, 162:2,			5.5.55 [.] 55.25	

123:3, 123:4, 123:7,	130:15, 164:27	committing [1] -	78:25, 79:22, 79:27,	132:23, 144:21
124:2, 124:6, 129:7,	collection [19] -	104:21	80:17, 83:26, 84:1,	conclusions [4] -
142:5, 142:7, 142:8,	51:17, 51:22, 51:25,	common [12] - 14:5,	84:10, 141:12, 173:5	60:2, 73:14, 110:12,
142:9, 144:1, 144:3,	52:7, 53:13, 53:16,	31:28, 32:5, 32:8,	complaints [1] -	130:12
144:5, 156:19,	53:18, 53:19, 53:20,	32:9, 32:11, 32:16,	23:20	concrete [29] - 8:9,
156:26, 161:19,	53:26, 69:4, 88:14,	32:18, 33:1, 33:4,	complete [1] - 119:6	21:9, 21:12, 21:16,
162:18, 167:20,	111:8, 129:3, 153:10,	33:8, 118:22	completed [1] - 59:8	21:19, 21:24, 21:29,
167:21, 167:27,	153:14, 164:25, 165:4	communicate [1] -	completely [4] -	22:3, 22:9, 22:12,
167:29, 168:1, 170:3	collects [1] - 17:9	168:26	101:1, 137:22,	22:14, 22:18, 24:2,
Clapper's [2] - 46:3,	COLLINS [2] - 2:5,	communicated [1] -	148:12, 162:7	24:9, 24:11, 24:15,
46:9	2:26	123:28	completeness [3] -	24:19, 31:16, 39:20,
Clappers [1] -	Collins [4] - 59:20,	Communication [1] -	81:26, 82:14, 85:19	39:27, 40:8, 40:14,
142:11	174:20, 176:13,	154:6	complex [1] - 162:13	41:16, 43:5, 50:13,
CLARE [1] - 2:18	176:20	communication [5] -	compliance [1] -	53:24, 62:10
clarify [4] - 116:8,	Collins' [1] - 176:17	8:8, 8:25, 9:10, 15:2,	116:2	concrete' [2] - 25:26,
135:19, 145:6, 148:23	colloquially [1] -	146:20	complicated [5] -	31:5
clarity [2] - 49:16,	16:14	Communications [8]	7:5, 7:7, 134:14,	concreteness [6] -
52:20	COLM [1] - 3:7	- 9:8, 95:2, 129:25,	135:8, 136:17	10:22, 25:3, 36:4,
Class [1] - 42:25	colourable [7] - 7:1,	129:26, 146:14,	complicating [1] -	36:6, 43:17, 60:22
class [3] - 28:1, 41:5,	7:4, 7:12, 7:24, 9:4,	148:14, 149:28, 155:5	13:13	condition [1] -
42:9	9:11, 55:4	communications	complied [3] - 113:5,	116:13
classic [2] - 33:28,	Columbia [2] - 69:9,	[14] - 10:3, 11:13,	115:23, 117:10	conditions [1] - 9:18
33:29	69:26	14:20, 62:2, 123:13,	comply [6] - 16:27,	conduct [5] - 68:15,
classified [1] -	column [5] - 48:18,	123:26, 127:23,	18:14, 21:27, 40:16,	104:20, 117:7, 128:4,
104:10	107:12, 107:22,	127:26, 127:27,	132:7, 132:21	137:8
clear [21] - 19:29,	108:3, 109:22	127:29, 128:6,	complying [2] -	conducted [1] -
25:2, 25:12, 36:5,	columns [2] -	130:15, 146:13,	38:13, 38:22	113:11
51:1, 51:15, 51:19,	107:19, 107:20	168:20	component [1] -	confer [3] - 46:19,
52:2, 52:12, 52:14,	comfortable [1] -	communications"	91:7	47:9, 61:4
53:27, 53:29, 54:8,	101:24	[1] - 107:24	comprises [1] -	conference [2] -
55:8, 55:17, 136:6,	coming [3] - 87:5,	Community [1] -	106:23	71:11, 71:15
147:23, 148:26,	144:1, 157:13	101:15	comprising [1] -	conferred [2] -
172:26, 172:27	comment [4] - 15:7,	community [1] -	85:21	18:11, 18:12
clearly [4] - 33:20,	24:22, 37:12, 176:28	88:13	Computer [4] -	confidentiality [2] -
41:10, 118:29, 156:4	comments [6] -	companies [3] -	59:26, 95:1, 95:7,	23:15, 23:18
client [14] - 65:26,	19:10, 22:29, 40:29,	17:11, 73:28, 99:23	137:19	confidently [2] -
66:6, 123:19, 123:21,	66:9, 66:12, 113:7	comparator [1] -	concept [1] - 31:20	10:18, 10:20
157:5, 164:1, 165:1,	commerce [1] -	97:10	concepts [1] - 172:8	confirm [1] - 56:8
165:8, 165:14,	23:12	compare [2] - 39:19,	conceptualise [1] -	confirmation [1] -
165:17, 166:13,	COMMERCIAL [1] -	40:1	34:4	41:25
169:25, 176:2, 176:29	1:3	compared [3] -		conflating [2] -
client's [2] - 157:17,	commercial [3] - 5:4,	74:23, 97:13, 119:23	conceptualised [1] -	149:18, 149:21
165:15	16:26, 17:11	comparing [1] -	34:2	conflicting [1] -
clients [3] - 123:10,	Commercial [1] -	74:28	concern [4] - 97:9,	147:29
124:1, 168:21	85:4	comparison [1] -	97:13, 168:4, 169:6	confused [2] - 22:7,
close [4] - 31:11,		97:15	concerned [6] -	49:17
31:20, 75:3, 76:2	Commission [6] -	compiles [1] - 17:14	38:11, 42:8, 75:29,	confusing [3] -
closed [1] - 131:4	82:2, 85:22, 86:12, 88:19, 96:22, 100:12	complain [1] - 12:22	80:25, 108:26, 177:1	52:17, 151:22, 154:28
code [4] - 23:24,		Complainant [1] -	concerning [3] -	
23:27, 23:28, 26:23	Commissioner [12] -	80:28	101:16, 115:19,	confusion [10] - 10:26, 11:1, 19:22,
code' [1] - 26:22	5:5, 58:12, 58:29,		115:25	
cognizable [1] -	70:25, 72:20, 73:3,	complained [3] -	concerns [2] - 37:18,	25:5, 25:6, 25:8, 41:20, 106:14,
31:16	75:12, 75:29, 76:3, 76:6, 79:29, 85:5	36:22, 36:25, 38:21	64:15	41.20, 106.14, 137:27, 145:8
colleagues [1] -	· · · · · · · · · · · · · · · · · · ·	complains [1] -	conclude [3] - 14:29,	_
168:21	COMMISSIONER [1] - 1:7	26:23	49:5, 49:7	Congress [30] -
		complaint [24] -	concluded [3] - 47:6,	18:11, 18:12, 20:25,
collect [3] - 74:9, 74:14, 124:23	Commissioner's [6]	11:25, 11:27, 11:28, 11:29, 12:17, 16:2,	111:1, 111:4	21:15, 21:20, 21:23, 21:25, 21:28, 22:2,
(7 17 1/4 / 1)			conclusion [10] -	
	- 59:5, 72:27, 76:16,		• •	
collected [6] -	77:9, 81:27, 81:28	16:9, 28:4, 38:17,	31:6, 43:16, 45:21,	22:15, 22:16, 22:21,
			• •	

24:10, 24:12, 31:15, 36:2, 36:16, 36:23, 36:25, 37:2, 69:5, 171:15 Congress' [4] -18:16, 21:3, 22:3, 24:14 Congress's [3] -31:13, 36:19, 39:25 connection [3] -13:1, 13:11, 132:28 conscious [1] -104:21 consequence [2] -125:20 consequences [1] consequential [1] -40:9 consider [9] - 22:6, 31:10, 46:24, 66:12, 77:29, 103:26, 114:28, 170:13, 172:21 considerable 131 -116:7, 134:6, 140:15 consideration [4] -28:18, 40:18, 44:15, 58:27 considered [4] -32:14, 77:1, 77:3, 111:12 consistencies [1] -102:2 consistency [1] -102:11 consistent [1] -128:27 consternation [1] -60:13 constitute [5] - 8:21. 22:12, 43:5, 46:11, 54:29 constituted [4] -6:17, 6:18, 7:2, 50:19 constitutes [7] -10:4, 11:2, 39:27, 46:4, 49:8, 49:9, 51:9 Constitution [1] -113:11 constitution [1] - 9:5 constitutional [11] -8:28, 12:22, 12:28, 13:4, 15:16, 113:23, 114:5, 114:6, 114:14, 121:18, 157:9 constitutionality [2] - 12:18, 13:19 construct [1] - 33:6

construction [1] -

6.19 consumer [10] -140:4 16:25, 17:2, 23:11, 23:12, 23:14, 38:12, 38:21, 40:13, 42:15, 42:22 consumers [1] -16:23 contact [2] - 129:16, 129:17 152:12 contacted [1] - 81:28 contain [1] - 105:20 contained [7] -127:3 17:26, 54:26, 153:22, 154:3, 154:8, 155:18, 155:19 contemporaneous [1] - 32:17 content [3] - 14:16, 55:19, 87:20 contention [2] -46:6, 172:1 contents [12] - 8:6, 3:22 8:8, 8:25, 8:27, 9:2, 9:9, 10:3, 53:18, 120:28 53:19, 95:17, 98:26 context [51] - 5:28, 115:29 6:11, 9:28, 10:8, 10:12, 21:9, 28:10, 34:23, 39:26, 41:27, 51:27, 51:28, 52:4, 52:5, 52:29, 53:1, 61:1, 65:1, 72:27, 73:7. 76:12. 78:13. 78:17, 79:26, 81:8, 86:28, 88:10, 89:8, 89:23, 89:25, 89:26, 89:28, 91:4, 91:9, 91:11, 91:12, 91:18, 91:19, 102:24, 106:5, 114:21, 116:27, 137:19, 151:17, 152:20, 153:4, 153:17, 153:20, 167:25, 173:15 continue [2] - 10:27, continued [1] - 30:12 CONTINUED [2] -4:10, 85:1 continues [1] - 21:15 contours [4] - 58:23, 73:10, 91:27, 100:8

contract [4] - 166:16,

contract' [1] - 166:21

contradistinction [1]

Contrary [1] - 48:23

166:17, 166:18,

166:22

contrary [2] - 46:9, contrast [1] - 168:10 controlling [1] - 46:5 conversation [1] conversations [2] -71:10, 124:3 convey [2] - 103:12, convicted [1] - 127:6 conviction [1] -Cooper [1] - 54:22 Cooper's [1] - 55:12 copied [1] - 100:4 copies [3] - 29:8, 85:21, 97:27 copy [7] - 20:11, 35:24, 35:25, 44:9, 56:7, 108:18, 126:11 COPYRIGHT [1] core [2] - 119:12, corporations [1] correct [37] - 5:27, 6:18, 7:6, 7:24, 8:10, 12:10, 15:12, 16:1, 17:12, 18:18, 28:9, 28:13, 28:15, 30:17, 30:20. 32:21. 32:22. 37:5, 50:19, 59:16, 73:25, 74:16, 81:7, 93:10, 94:23, 104:23, 105:2, 108:18, 109:13, 118:13, 142:22, 143:29, 145:5, 146:29, 148:6, 148:16, 161:15 correctly [1] - 87:4 corrects [1] - 62:15 cost [1] - 48:18 Costello [1] - 114:18 COSTELLO [65] -1:17, 7:4, 19:4, 19:7, 20:3, 20:5, 20:8, 20:14, 20:19, 29:2, 29:5, 29:17, 29:21, 29:23, 39:12, 39:16, 46:22, 52:22, 55:24, 55:27, 56:8, 56:11, 65:4, 65:11, 70:6, 70:10, 75:10, 84:14, 84:17, 85:3, 85:7, 92:15, 99:8, 101:29, 102:7, 102:10, 106:9, 106:16, 106:18, 162:28, 162:29, 107:16, 107:18,

107:23, 107:27, 107:29, 133:16, 142:6, 145:26, 146:1, 173:27, 174:5, 174:9, 174:17, 174:27, 175:9, 175:17, 175:23, 175:27, 176:4, 176:8, 176:19, 176:22. 176:27. 177:3, 177:7, 177:14 could've [2] - 83:23, 170:3 counsel [2] - 57:27, 98:11 Counsel [1] - 87:23 counter [1] - 47:4 countered [1] - 18:6 counterterrorism [1] - 169:1 countries [2] - 98:19, 98:21 country [1] - 128:4 couple [2] - 102:14, 150:10 coupled [2] - 25:29, 62:1 course [25] - 6:2, 15:16, 16:21, 47:8, 58:25, 62:26, 68:22, 81:5, 81:27, 84:11, 87:3, 94:3, 101:14, 102:6, 110:16, 115:3, 115:12, 123:29, 143:9, 164:6, 165:14, 170:29, 174:28, 175:9, 175:15 Court [78] - 7:27, 9:2, 13:8, 15:8, 15:16, 18:16, 19:22, 19:23, 20:24, 21:22, 25:7, 26:5, 26:20, 27:22, 30:9, 31:1, 32:15, 34:18, 34:24, 34:28, 38:7, 39:17, 39:25, 39:28, 40:18, 41:28, 44:6. 46:6. 47:17. 49:12, 54:23, 59:8, 60:11, 65:7, 67:9, 68:22, 69:9, 69:11, 69:12, 69:17, 69:18, 69:23, 69:26, 69:27, 69:28, 76:12, 84:10, 85:4, 110:6, 112:12, 124:6, 128:11, 136:13, 138:14, 139:14, 142:9, 144:17, 156:25, 158:14, 160:15, 161:1, 162:17,

163:3, 163:6, 163:7, 168:1, 169:9, 169:15, 170:9, 171:9, 171:12, 171:19 **COURT** [7] - 1:2, 19:2, 20:18, 38:1, 97:28, 126:13 court [124] - 5:7, 8:13, 8:21, 9:1, 9:13, 11:12, 13:18, 13:22, 15:21, 19:11, 19:25, 20:10, 20:13, 20:16, 20:29, 21:3, 22:2, 22:10, 22:16, 22:24, 23:21, 24:10, 25:19, 25:22, 25:24, 27:25, 29:9. 30:8. 30:12. 31:6. 32:3. 35:13. 35:15, 35:27, 38:29, 39:9, 39:10, 41:23, 42:6, 42:8, 42:28, 43:15, 43:23, 43:26, 44:12, 45:9, 45:20, 45:24, 46:24, 47:14, 47:22, 52:14, 52:19, 54:28, 55:16, 57:3, 58:15, 59:20, 60:1, 61:12, 63:10, 63:26, 64:1, 64:6, 64:21, 64:24, 65:6, 65:8, 66:23, 67:2, 68:13, 69:17, 76:23, 77:11, 80:10, 85:27, 92:9, 93:20, 98:3, 98:4, 100:29, 101:25, 102:5, 102:23, 104:18, 107:22, 108:10, 108:13, 108:19, 110:3, 110:20, 111:1, 112:29, 113:22, 114:13, 116:25, 118:18, 119:12, 122:9, 122:10, 122:15, 124:17, 127:14, 128:21, 128:24, 129:29, 130:6, 130:8, 138:11, 138:13, 157:29, 158:1, 158:13, 158:20, 163:11, 169:17, 170:26, 171:4, 173:5, 174:25, 176:16, 177:11, 177:13, 177:14 Court" [1] - 39:15 Court's [6] - 25:28, 31:1, 34:26, 43:20, 51:1, 62:7

court's [4] - 26:10,

32:3, 54:21, 128:8 criticised [1] - 49:18 61:9, 74:1, 74:14, 70:5, 70:12, 75:6, defined [7] - 6:22, 99:25, 101:9, 101:14, Court-approved [1] criticising [1] -76:29, 77:12, 80:27, 10:10, 20:26, 68:9, 128:11 101:22, 121:19, 82:15, 82:28, 85:14, 115:28, 137:28, 175:17 86:12, 89:16, 96:1, courts [34] - 7:11, criticism [1] - 34:14 164:27 150:12 10:14, 10:15, 10:26, **DATA**[1] - 1:7 96:18, 100:12, definitely [2] - 55:25, criticisms [1] - 25:13 11:1, 13:28, 24:13, CROSS [2] - 4:9, data-breach [1] -107:13, 108:19, 142:7 116:5, 116:8, 126:28, 24:17, 25:6, 30:21, 70.19 48:29 definition [7] - 7:23, 148:18, 156:8, 32:6, 32:14, 33:16, date [9] - 35:14, 30:5, 104:12, 138:2, cross [10] - 29:13, 156:26, 156:28, 147:27, 148:29, 36:9, 41:1, 41:12, 50:21, 59:13, 62:28, 31:24, 52:9, 52:17, 41:20, 43:7, 43:10, 162:21 81:6, 88:6, 100:6, 151:28 87:18, 102:1, 102:11, 49:21, 50:11, 50:27, 126:27, 131:26 Decision [4] - 76:7, definitive [1] - 98:16 174:10, 175:3, 175:4 55:20, 60:14, 60:29, cross-examination dated [1] - 59:4 76:8, 76:10, 96:21 degree [1] - 10:11 61:6, 62:19, 131:25, dates [1] - 126:26 decision-making [1] degrees [2] - 9:20, [5] - 31:24, 52:17, 137:19, 145:19, - 89:16 87:18, 174:10, 175:3 **DAY** [1] - 1:18 55:18 149:11, 150:6, decisions [15] cross-examine [2] days [5] - 60:10, delay [1] - 127:10 161:27, 171:21 25:29, 34:17, 34:18, 129:28, 157:22, deliver [1] - 62:23 102:1, 102:11 courts' [2] - 31:13, 38:9, 50:20, 60:25, 161:6, 161:7 delivered [3] - 19:25, cross-examined [2] 73:29, 78:10, 89:17, 62:8 days/two [1] -- 52:9, 175:4 71:12, 86:26 122:9, 122:10, cover [2] - 57:25, **CROSS-EXAMINED** 161:10 delivering[1] - 8:1 122:11, 122:15, 60:19 DC [5] - 69:13, 69:17, [2] - 4:9, 70:19 DeLong [1] - 142:26 covered [1] - 110:29 126:27 69:18, 162:17 Crown [1] - 32:26 demands [1] - 27:4 declaration [2] covers [4] - 94:23, culpability [2] - 9:20, de [2] - 9:11, 31:16 demonstrable [1] -82:11, 113:4 98:6, 104:5, 153:3 deal [11] - 48:17, 10:13 17:29 declaratory [1] created [8] - 20:25, 52:26, 53:12, 59:29, curiae [1] - 76:19 demonstrate [1] -21:20, 22:21, 25:4, **CURRAN** [1] - 2:12 73:21, 73:23, 73:26, 18:10 30:18, 60:13, 61:12, 94:6, 105:27, 134:22, declared [1] - 21:23 current [1] - 50:26 demonstrated [1] -144.26 declassification [1] -33:29 curtailing [1] - 24:14 creates [4] - 7:10, 159:21 dealing [5] - 27:22, denying [1] - 127:14 **CUSH** [1] - 3:1 19:22, 30:15, 41:2 declassified [2] -35:6, 38:27, 48:21, Department [1] -128:2, 129:13 creating [2] - 27:1, 164:23 D 99:24 decline [1] - 48:23 deals [3] - 59:21, department [7] -Credit [11] - 15:28, 59:23, 117:14 deem [3] - 21:16, 108:10, 108:13, daily [1] - 173:12 22:18, 24:1 16:11, 16:17, 16:23, dealt [2] - 59:25, 108:17, 108:20, 23:8, 37:8, 37:11, damage [3] - 40:9, deems [1] - 24:9 133:8 108:23, 108:26, 109:9 55:1, 115:6 38:22, 38:24, 42:1, defence [1] - 101:16 debatable [1] - 8:29 departments [3] damaged [1] - 43:2 44:10 defences [1] - 172:5 debate [1] - 53:7 108:12, 145:13, damages [8] - 54:27, credit [9] - 16:13, defend [2] - 90:8, December [1] -151:25 61:24, 146:23, 149:4, 16:14, 16:15, 16:19, 90:16 depths [1] - 142:29 17:1, 23:12, 38:26, 149:12, 149:15, decide [3] - 102:5, defendant [5] -**Deputy** [1] - 75:12 149:22, 150:3 48:9, 48:26 17:12, 43:18, 106:2, 113:22, 114:14 derivative [1] - 58:6 crime [1] - 120:2 damages' [1] - 42:26 142:18, 144:3 decided [15] - 6:21, derived [1] - 124:20 **DAMIEN** [1] - 2:7 crimes [2] - 146:12, 20:13, 23:10, 24:27, DEFENDANT [2] describe [8] - 74:8, 155:16 dash [1] - 87:26 30:6, 30:10, 34:17, 2:10, 2:16 100:18, 108:29, criminal [28] - 94:23, Data [8] - 5:4, 58:12, 35:5, 37:8, 37:9, 38:8, defendant's [1] -147:9, 151:5, 151:6, 58:29, 70:24, 72:19, 101:18, 118:9, 40.7 44:8, 54:23, 109:8, 153:21, 153:24 118:10, 118:11, 85:4, 99:15, 101:9 DEFENDANTS [1] -115.6 described [4] -119:7, 119:21, data [55] - 6:2, 6:14, decides [1] - 124:17 51:14, 52:8, 65:25, 6:17, 6:26, 6:28, 8:12, 119:28, 120:29, Defendants [2] deciding [3] - 34:25, 124:6 121:15, 122:24, 8:14, 8:17, 9:21, 9:23, 34:28, 49:22 48:2. 76:9 describes [2] - 15:4, 122:27, 122:28, 10:2, 10:8, 10:13, defendants [6] decision [59] - 5:16, 52:6 125:21, 125:22, 13:13, 17:5, 17:7, 28:21, 29:24, 34:12, 7:27, 8:1, 8:27, 10:21, describing [1] -125:26, 125:28, 17:9, 17:14, 17:25, 14:9, 18:26, 18:28, 38:12, 38:21, 144:11 152:25 126:3, 126:6, 129:4, 27:22, 31:27, 33:7, 19:24, 19:27, 24:13, Defendants.. [1] description [1] -130:22, 130:26, 33:25, 34:5, 34:23, 24:24, 25:1, 26:10, 76:1 130:27, 131:1, 131:3, 35:6, 41:2, 44:25, 27:12, 27:15, 27:21, defended [4] - 90:14, designation [2] -131:4, 132:26, 165:20 44:27, 46:18, 48:1, 30:1, 38:7, 40:23, 90:15, 90:18, 90:22 45:9, 45:17 48:11, 48:29, 49:6, criminally [2] -41:28, 42:11, 43:20, defer [2] - 21:23, designed [1] - 18:2 125:13, 165:27 50:19, 50:26, 51:9, 44:6, 44:23, 59:5, 22:15 despite [1] - 22:26 critical [2] - 52:16, 52:19, 53:20, 57:14, 59:9, 59:15, 60:5, define [3] - 7:13, detail [4] - 25:3, 119:26 58:17, 61:1, 61:7, 62:7, 62:20, 64:16, 22:3, 24:14 71:29, 74:21, 100:28

detailed [1] - 129:2 details [7] - 72:29, 78:21, 78:27, 79:17, 79:18, 103:29 detain [1] - 156:21 determination [9] -59:2, 76:19, 78:4, 88:19, 89:14, 104:16, 108:28, 109:11, 164:9 determinative [1] -114:15 determine [4] -25:25, 50:11, 108:21, 125:25 determined [1] -75:21 determines [2] -108:11, 108:23 determining [1] -87:12 detonate [1] - 127:7 developments [1] -49:13 devices [1] - 115:25 Diaz [2] - 45:8, 45:12 Diego [2] - 57:6, 57:7 difference [7] -64:11, 116:29, 123:16, 136:23, 137:1, 151:11, 158:12 differences [6] -15:11, 64:10, 113:8, 116:21, 123:9 different [44] - 8:13, 11:5, 29:3, 29:19, 41:1, 43:10, 43:16, 44:16, 45:17, 46:28, 51:28, 70:9, 70:10, 93:26, 105:11, 112:14, 113:18, 116:19, 116:28, 119:14, 120:16, 124:12, 134:16, 137:8, 137:22, 138:4, 146:29, 148:12, 150:11, 153:26, 153:27, 153:28, 154:24, 158:2, 158:29, 160:18, 164:28, 165:20, 166:16, 170:4, 173:3, 173:4 differently [1] -171:22 difficult [11] - 23:27, 34:7, 50:15, 91:1, 101:5, 160:5, 166:3, 166:26, 173:9, 173:10, 175:7

difficulties [1] -

126:26 difficulty [3] - 36:26, 41:13, 164:2 diffuse [1] - 34:11 **DIGITAL** [1] - 3:1 digital [1] - 34:8 dignitary [3] - 34:3, 55:10, 55:14 diplomatic [1] -169:1 direct [3] - 49:24, 94:4, 118:29 directed [2] - 67:21, directions [2] -176:2, 176:12 Directive [4] - 8:20, 99:15, 101:9, 101:22 directives [1] - 130:9 directly [13] - 43:28, 73:27, 74:4, 74:5, 122:26, 122:28, 134:23, 135:11, 140:1, 148:1, 149:23, 150:29, 152:5 **DIRECTLY** [2] - 4:8, 56:3 Director [1] - 87:24 disagree [8] - 47:21, 76:10, 132:8, 132:19, 133:13, 135:5, 142:20, 143:15 disagreeing [1] -133:9 disagreement [2] -15:21, 54:9 disagreements [1] -15:9 discharge [1] -165:21 disciplinary [3] -108:21, 109:7, 109:8 discipline [2] -108:4, 108:24 disclaimer [2] -42:14, 42:18 disclose [3] -120:25, 120:29, 121:1 disclosed [6] -42:14, 50:3, 115:20, 120:26, 126:5, 126:6 disclosure [19] - 6:4, 9:16, 28:22, 29:26, 35:27, 40:15, 42:19, 43:3, 51:16, 51:22, 51:24, 52:7, 53:12, 54:20, 55:1, 83:8,

115:23, 120:10,

disclosures [5] -

153:14

6:28, 30:23, 36:18, 54:25, 120:24 discourage [1] -48:27 discover [1] - 164:13 discovered [2] -76:3, 114:23 discovery [9] -64:26, 76:15, 128:3, 160:1, 160:5, 166:8, 171:29, 172:12, 173:10 discovery-are [1] -76:15 discretion [1] - 13:21 discuss [3] - 26:6, 71:1, 103:4 discussed [7] - 10:7, 13:7, 13:9, 35:26, 68:14, 159:24, 175:28 discussing [2] -30:29, 122:19 discussion [11] -39:1, 43:9, 45:29, 46:3, 60:9, 71:6, 77:2, 103:8, 110:6, 151:15, dismiss [14] - 61:10, 63:19, 64:2, 124:9, 124:11, 125:1, 159:27, 161:26, 161:27, 162:1, 162:3, 162:12, 162:16, 162:24 dismissed [4] -137:6, 162:17, 162:28, 163:5 dismisses [3] -67:11, 124:11, 162:21 dispute [1] - 132:12 disputing [1] -132:14 dissemination [1] -23:28 dissent [2] - 7:29, 25:17 dissenters [2] -15:12, 15:20 dissenting [1] distinct [1] - 116:10 distinction [8] -53:17, 68:12, 68:17, 68:18, 91:21, 91:25, 138:11. 165:6 distinguish [3] -22:13, 22:15, 123:1

69:11, 69:12, 69:17, 69:23, 69:26, 69:28, 70:1, 84:10, 112:12, 136:13, 138:14, 139:14. 144:17. 162:28, 163:3, 163:6 districts [1] - 44:16 divergence [1] -152:2 divide [1] - 107:28 divided [1] - 43:7 divorced [2] - 21:12, 22.11 doctrine [12] - 7:8, 25:11, 25:12, 41:5, 41:9, 49:10, 49:11, 49:22, 50:10, 50:26, 128:9, 160:4 document [4] -18:23, 29:16, 59:1, documentation [2] -76:2, 81:29 documents [2] -85:26, 104:10 Doe [2] - 46:21, 46:23 **DOHERTY** [1] - 2:16 dollars [1] - 48:2 domain [1] - 120:12 don't.. [1] - 79:10 done [8] - 34:22, 68:14, 76:25, 96:9, 137:3, 158:14, 158:18, 177:10 **DORSET** [1] - 3:9 down [22] - 20:15, 23:4, 27:12, 29:15, 30:6, 41:29, 52:23, 52:25, 59:10, 64:3, 82:23, 100:6, 107:11, 121:5, 124:12, 124:16, 136:20, 157:13, 161:17, 162:2, 162:23, 164:14 downtown [1] -127:9 **DPC** [34] - 70:24, 75:13, 78:3, 78:16, 80:21, 80:24, 80:26, 82:15, 82:17, 83:8, 85:14, 85:17, 86:23, 87:5, 88:26, 89:8, 92:12. 92:14. 95:19. 95:23, 96:17, 97:9,

38:8, 41:28, 41:29,

45:14, 46:6, 47:17,

67:9, 67:10, 69:9,

44:6, 44:7, 45:8,

DONNELLY [1] - 2:6

103:4, 103:5, 116:5, 116:7, 117:16, 134:6, 140:14, 141:6, 148:18, 151:2, 152:16, 172:17 DPC's [3] - 75:6, 95:29, 156:5 draft [9] - 82:28, 100:12, 103:16, 103:17, 103:18, 103:26, 103:28, 141:12, 156:7 **Draft** [4] - 76:6, 76:8, 76:10, 96:21 drafters [1] - 32:24 drafting [1] - 49:15 drafts [1] - 103:27 Dratel [2] - 123:16, 123:20 Dratel's [3] - 123:19, 123:26, 124:19 draw [6] - 24:6, 53:17, 54:21, 82:17, 144:21, 165:6 drawing [2] - 132:23, 154:5 drawn [1] - 138:11 drew [1] - 68:13 **DUBLIN** [7] - 2:8, 2:14, 2:19, 2:24, 2:29, 3:4, 3:10 due [2] - 27:3, 111:10 duration [1] - 176:28 during [5] - 37:16, 60:6, 81:26, 127:8, 145:8 duty [1] - 171:29

Ε

e-mail [6] - 8:6, 9:10, 127:23, 129:15. 168:20, 168:26 e-mails [3] - 8:28, 9:2, 53:19 early [1] - 33:20 Eastern [1] - 41:29 easy [1] - 33:6 economic [2] -26:25, 28:26 ECPA[31] - 59:24, 61:29, 66:23, 67:18, 90:15, 90:18, 90:22, 95:6, 105:27, 139:17, 144:27, 145:14, 145:22, 146:8, 146:11, 147:6, 148:1, 148:24, 149:6,

district [3] - 47:22,

District [31] - 38:7,

70:2, 127:14

140:25 140:20	140:22	107.10	00:40 06:22 07:4	evernlee or 24:2
149:25, 149:29, 150:9, 150:14,	140:23	127:10	88:19, 96:22, 97:4, 101:25	examples [2] - 24:3,
150:29, 152:5, 153:3,	employee [6] - 104:9, 108:16,	envisages [1] -	Europeans [1] - 59:3	142:27
		175:1	• • • •	exceed [1] - 27:4
153:7, 153:13, 154:28, 155:14,	108:22, 109:3,	EOIN [1] - 2:16	evaluate [1] - 91:10	exceeded [1] - 12:20
155:18	141:11, 144:2	equal [1] - 69:29	evaluating [1] - 31:8	exceeds [1] - 146:21
ECPA' [1] - 153:19	employees [1] - 141:4	equally [1] - 176:11	eventual [1] - 81:4	except [2] - 21:16,
		equate [1] - 50:28	eventually [1] - 81:6	103:22
ECPA/are [1] - 137:24	employer [1] - 40:12	Equifax [1] - 39:24	evidence [23] - 35:7,	exception [1] - 88:21
	employers [2] -	equitable [2] - 23:14,	35:9, 35:15, 47:18,	exchange [3] -
education [1] - 26:24	17:24, 27:5	23:18	53:29, 54:4, 65:16,	76:14, 76:16, 168:23
Edward [2] - 120:19, 122:2	employment [3] -	err [1] - 127:14	65:27, 66:5, 66:8,	exclude [5] - 90:5,
	26:29, 42:16, 143:10	erred [1] - 31:2	77:10, 92:16, 119:22,	102:29, 104:16,
effect [5] - 11:7, 53:7, 155:29, 161:2,	enable [1] - 76:15	erroneous [1] - 27:1	120:6, 121:8, 164:20,	105:4, 120:4
161:6	encoded [1] - 33:21	errors [7] - 17:21,	164:22, 165:2, 165:3,	excluded [2] - 54:16,
effective [3] - 66:18,	encompasses [1] - 10:1	17:22, 17:26, 17:27,	165:4, 165:9, 172:26, 172:27	63:1
102:27, 138:24		17:29, 18:5	evidence' [2] - 47:25,	excludes [1] - 90:7
effectively [3] - 30:8,	encroachment [1] - 24:13	essence [9] - 57:28,	165:27	exclusionary [4] -
114:22, 119:15	end [9] - 24:6, 25:20,	63:2, 64:23, 67:11,	evidentiary [7] -	118:19, 118:25, 125:9, 125:18
effects [1] - 46:19	51:13, 52:17, 76:25,	92:7, 109:2, 111:23, 118:19, 153:7	124:7, 166:7, 169:24,	exclusive [4] - 69:24,
effort [1] - 113:16	92:20, 116:6, 165:29,	•	171:27, 172:3,	102:19, 103:2, 110:1
efforts [4] - 92:23,	174:13	essential [1] - 35:2 essentially [2] -	172:10, 172:11	exclusively [2] -
121:20, 164:13, 169:1	enforce [1] - 167:3	10:29, 22:27	evolved [1] - 33:4	57:13, 157:25
egg [1] - 7:10	engage [2] - 47:13,	establish [10] - 48:8,	exact [4] - 81:6,	excuse [5] - 38:4,
eight [1] - 47:1	168:19	50:2, 53:22, 61:11,	103:29, 112:27,	38:14, 39:17, 46:23,
EILEEN [1] - 2:21	engaged [3] - 38:29,	62:12, 62:17, 93:21,	112:29	56:10
either [13] - 22:2,	104:20, 123:12	124:22, 170:7, 170:8	exactly [30] - 49:26,	exhibit [1] - 56:21
27:23, 41:5, 44:1,	engaging [1] -	established [7] -	52:15, 52:20, 69:29,	exhibits [2] - 92:29,
47:23, 53:20, 64:25,	114:24	5:25, 6:16, 28:12,	72:2, 78:12, 83:1,	93:1
99:10, 133:11,	engine [1] - 17:13	33:20, 46:9, 51:8,	84:16, 106:7, 106:26,	exist [6] - 30:13,
134:17, 139:6,	England [2] - 32:9	61:22	107:6, 107:20, 108:2,	34:9, 62:5, 136:9,
164:10, 165:28	English [9] - 31:13,	establishes [1] -	118:11, 122:9, 137:2,	162:4
ELECTRONIC [1] -	31:22, 32:4, 32:11,	53:4	139:2, 146:26, 147:6,	existed [1] - 136:8
3:7	32:16, 32:25, 98:23,	establishing [3] -	148:3, 148:7, 148:26,	existing [2] - 32:18,
Electronic [2] - 9:7,	99:1	48:14, 121:15, 124:8	149:7, 151:6, 156:29,	33:8
95:2	ensure [1] - 117:23	estimate [3] - 71:18,	163:27, 168:8, 176:4	exists [1] - 134:9
electronic [7] - 9:9,	enter [3] - 69:15,	79:9, 174:13	examination [10] -	expanding [1] -
11:13, 15:2, 93:19,	69:16, 99:24	EU [40] - 12:21,	31:24, 52:10, 52:17,	60:11
93:23, 146:13, 146:19	Enter [1] - 40:11	12:25, 12:26, 13:1,	58:22, 87:18, 174:1,	expansion [1] -
element [6] - 10:24,	entered [2] - 163:2,	13:10, 58:17, 73:20,	174:10, 175:3, 175:5,	60:15
33:28, 36:7, 60:22,	163:5	73:22, 74:3, 74:23,	175:14	expect [1] - 86:29
89:18, 105:7	entertain [1] - 13:19	74:26, 85:28, 88:11,	examination-in-	expectation [2] -
elements [5] - 41:10,	Entick [1] - 32:20	89:4, 89:5, 91:13,	chief [1] - 175:14 examine [5] - 45:24,	86:25, 128:10
50:9, 54:10, 60:7,	entire [2] - 24:11,	91:14, 91:22, 94:28,	59:1, 67:3, 102:1,	expected [3] - 13:18,
60:25	103:10	97:18, 97:21, 97:23,	102:11	86:23, 141:9
elevat[e [1] - 31:15	entirely [3] - 51:15,	98:1, 98:15, 98:17,	EXAMINED [6] - 4:5,	expend [1] - 48:2
elevate [1] - 22:17	137:2, 173:1	99:15, 99:25, 101:9, 101:22, 102:5, 104:2,	4:8, 4:9, 5:11, 56:4,	experience [6] -
elevating [1] - 21:4	entities [9] - 16:26,	104:26, 114:24,	70:19	25:11, 32:25, 33:24,
eleven [1] - 173:28 Eleventh [2] - 40:23,	144:22, 145:20,	115:29, 116:16,	examined [3] - 45:9,	57:4, 89:27, 173:19
40:24	145:22, 148:1, 149:12, 150:7,	116:19, 116:22,	52:9, 175:4	experiencing [1] -
elsewhere [1] - 83:3	151:23, 151:29	117:3, 117:8	example [20] - 21:11,	41:13
em [1] - 159:26	entitled [2] - 52:11,	EU-US [1] - 88:11	23:21, 23:26, 26:22,	expert [13] - 57:29,
embodied [1] - 8:19	118:10	Europe [2] - 70:26,	73:23, 73:26, 79:13,	58:14, 62:28, 87:19, 87:20, 90:2, 131:10,
emphasis [1] - 64:11	entitlement [4] -	159:11	92:23, 96:27, 98:27,	133:5, 136:3, 142:23,
emphasising [1] -	74:9, 74:19, 135:20,	EUROPE [1] - 3:1	104:9, 114:23,	145:8, 160:3, 170:17
142:15	135:21	European [16] - 8:20,	121:14, 122:5, 126:9,	expertise [8] - 8:11,
employable [1] -	entity [2] - 113:12,	9:22, 10:1, 34:4, 55:9,	126:13, 144:7,	19:11, 89:7, 89:19,
17:28	154:25	55:10, 55:20, 57:24,	161:14, 161:24,	89:27, 120:28,
employed [1] -	entrapment [1] -	69:25, 70:2, 85:22,	166:17	132:16, 133:7

77:5, 131:11, 132:6, 68:27, 157:9, 162:26 21:27, 54:17, 61:15, 61:12, 63:12, 63:29, 116:9, 123:16, 133:7, 134:14, 160:8 facility [1] - 146:19 66:11 64:4, 69:22, 102:26, 129:27, 130:25, fair [13] - 8:18, 16:18, 135:28, 136:23, experts' [1] - 54:9 facility' [1] - 146:21 116:26, 119:4, 119:5, 23:14, 23:17, 28:7, 136:4, 138:28 152:17, 153:11, explain [16] - 7:4, fact [76] - 6:13, 6:28, 25:13, 45:20, 47:12, 7:3, 8:17, 10:5, 10:7, 93:29, 110:25, few [7] - 18:21, 154:16, 156:19, 157:8 112:28, 113:1, 117:5, 22:10, 29:14, 54:23, First [4] - 7:1, 14:3, 50:5, 58:13, 61:19, 11:22, 12:22, 13:13, 63:10, 64:7, 64:21, 14:2, 16:2, 18:10, 117:6, 125:28, 161:8 57:2, 67:20, 138:26 61:14, 61:29 FISA [23] - 59:23, 66:14, 68:7, 70:6, Fair [10] - 15:28, 21:5, 21:13, 27:21, field [2] - 19:13, 16:11, 16:17, 16:22, 61:29, 66:22, 67:2, 28:24, 29:28, 30:13, 166:29 102:22, 170:25, 175:19 31:9, 32:24, 34:21, 37:8, 37:11, 38:22, Fifth [2] - 37:29, 44:5 67:18, 93:20, 93:23, explained [7] - 5:23, 36:13, 38:9, 39:28, 38:24, 42:1, 44:10 figure [1] - 83:15 93:27, 122:9, 122:10, 25:13, 25:14, 31:2, 40:8, 41:11, 41:19, fairly [4] - 27:14, figures [1] - 35:14 122:15, 129:6, 129:19, 130:8, 130:9, 45:8, 46:4, 46:8, 100:15, 104:18, 43:26, 48:6, 49:28 Fikre [1] - 104:18 46:11, 49:10, 49:11, 117:22 131:26, 139:17, explaining [1] - 46:5 file [23] - 17:20, 50:12, 50:27, 51:2, 147:4, 147:6, 153:8, explains [3] - 23:3, fairness [6] - 23:8, 17:22, 17:23, 17:24, 25:18, 45:29 51:5, 53:23, 54:10, 23:9, 51:19, 52:13, 154:9, 154:10, 155:8 66:2, 69:25, 70:3, 54:18, 55:5, 59:4, 53:5, 100:3 FISA] [1] - 127:16 explanatory [1] -80:5, 83:25, 84:7, 60:7, 64:7, 70:12, FISC [2] - 13:22, faith [4] - 64:25, 76:8 84:10, 90:8, 97:4, 73:20, 75:16, 82:13, 64:27, 165:11, 165:13 107:8 explicating [1] -160:17, 164:10, 93:26, 93:27, 96:20, fall [3] - 55:14, 122:6, Fisher [1] - 40:11 41:14 164:11, 165:11, 100:11, 104:15, explicitly [2] - 63:27, 138:5 166:20, 166:23, **fit** [2] - 34:7, 102:29 105:8, 105:17, 167:5, 167:11, 170:12 FITZGERALD [1] **falls** [2] - 48:13, 67:3 110:20, 113:22, 101:14 2.22 export [1] - 162:8 **filed** [10] - 62:29, 114:5, 123:3, 126:25, false [2] - 17:5 66:19, 75:12, 80:10, five [7] - 57:10, **express** [1] - 6:5 129:27, 131:11, familiar [10] - 15:29, 81:9, 81:12, 90:12, 66:29, 72:5, 72:7, expressed [1] -131:29, 137:13, 45:3, 45:5, 88:2, 126:27, 173:24, 121:25, 121:26, 158:2 156:5 139:13, 140:14, expressing [1] -108:7, 122:11, 175:14 Florida [1] - 38:8 140:23, 143:16, focus [6] - 28:26, 122:14, 166:11, filing [7] - 84:1, 64:15 143:23, 143:26, 166:12, 170:22 86:28, 87:1, 169:28, 74:2, 74:20, 83:29, expression [1] - 14:4 144:2, 144:29, 172:20, 172:25, family [3] - 26:24, 95:20, 113:7 expressly [1] - 22:23 149:18, 155:16, 27:3, 100:29 173:22 focus' [1] - 168:29 extension [1] - 46:21 163:11, 171:12 far [8] - 8:23, 24:2, **fill** [1] - 45:14 focused [2] - 74:12, extensive [1] - 88:16 fact-specific [1] final [6] - 44:20, 48:13, 77:21, 78:2, 74:16 extensively [1] -143:16 109:6, 174:9, 176:29 59:7, 67:25, 103:19, focussed [1] - 119:4 19:17 facto [3] - 9:11, Far [1] - 26:22 103:20, 155:24 focussing [1] - 31:3 extent [5] - 39:1, 31:17 fare [1] - 48:19 finality [1] - 100:14 Foerster [1] - 56:25 64:9, 95:26, 98:14, factor [2] - 157:23, fast [2] - 20:29, finally [1] - 23:2 folders [2] - 79:11, 152:28 157:27 144:14 financial [1] - 46:17 79:14 external [1] - 165:19 facts [24] - 13:20, fatal [1] - 61:16 Financial [3] - 59:27, follow [3] - 16:24, extract [2] - 60:24, 25:18, 33:22, 43:15, **FBI** [2] - 144:19 95:3, 95:9 18:2, 18:4 99:14 73:13, 73:16, 115:11, FCRA[17] - 21:19, findings [3] - 23:7, followed [2] - 49:27, extracts [1] - 97:27 128:2, 129:13, 21:21, 21:27, 21:28, 73:13, 108:19 128:13 extraneous [2] -130:18, 158:18, 43:19, 43:27 22:21, 22:22, 22:24, fine [1] - 96:10 following [6] - 1:23, 160:18, 160:29, 22:25, 23:10, 38:14, finish [2] - 163:17, extraordinary [1] -23:4, 40:2, 48:16, 165:23, 167:6, 169:9, 38:15, 38:24, 39:26, 163:19 64.18 159.28 13:16 169:14, 169:15, 40:6, 40:7, 40:13 finished [3] - 5:21, FOLLOWS [5] - 5:1, 169:17, 169:22, FCRA's [1] - 23:7 96:14, 174:1 5:12, 56:4, 70:19, F 170:6, 170:7, 170:11, FEBRUARY [3] firm [3] - 56:24, 85:1 1:18, 5:2, 177:19 56:27, 93:9 follows [2] - 41:20, factual [11] - 47:24, **FAA** [1] - 54:22 February [3] - 44:8, first [43] - 5:15, 32:1, 54:11, 64:5, 73:13, face [3] - 66:2, 71:5 44:25.88:6 32:6, 33:13, 36:6, footnote [16] - 28:19, 73:15, 78:3, 124:21, FACEBOOK [1] -38:3, 38:4, 56:17, federal [9] - 16:11, 29:22, 30:26, 30:27, 158:12, 161:4, 49:6, 66:20, 67:23, 57:9, 57:28, 59:4, 36:13, 67:26, 82:17, 165:24, 169:11 Facebook [10] - 5:5, 68:11, 68:12, 137:20, 82:21, 82:22, 84:15, 59:5, 59:6, 59:7, fail [2] - 16:27, 61:8 73:8, 79:23, 79:26, 142:16, 173:5 59:19, 59:22, 64:19, 104:4, 116:21, failed [4] - 18:2, 80:3, 80:19, 80:23, 117:13, 137:13, Federal [5] - 34:18, 64:29, 66:16, 67:3, 18:10, 132:7, 132:21 81:8, 85:5, 174:2

9:26, 12:7, 18:13,

felt [12] - 59:10,

102:18, 115:1, 115:2,

13:28, 14:4, 68:23,

experts [7] - 54:10.

34:24, 34:28, 64:20,

felony [1] - 118:2

171:3

fails [1] - 19:29

failure [8] - 9:25,

faced [1] - 43:15

facial [7] - 13:24,

67:17, 70:26, 75:15,

75:17, 76:28, 81:13,

82:8, 88:7, 92:26,

137:16, 137:17

footnotes [1] - 82:23

FOR [4] - 2:21, 2:26,

3:1, 3:7	Friday [1] - 174:23
force [3] - 156:23,	friends [1] - 174:11
156:24, 157:7	front [2] - 56:15,
forcing [1] - 47:19	116:25
foreclosed [1] -	FRY [1] - 2:28
128:2	FTC [1] - 99:24
foreign [13] - 11:15,	
•	FTS [1] - 43:13
11:16, 90:3, 119:22,	full [4] - 8:18, 47:1,
123:29, 127:22,	100:24, 153:11
127:25, 128:5,	full-time [1] - 100:24
129:14, 129:16,	fully [3] - 9:2, 9:18,
129:19, 143:1, 168:23	175:11
Foreign [2] - 128:11,	fulsome [1] - 101:2
129:24	function [1] - 109:1
form [8] - 42:14,	Fundamental [1] -
42:18, 42:20, 43:27,	159:10
78:14, 78:24, 105:7,	fundamental [2] -
105:9	14:2, 32:27
formal [1] - 172:2	funny [1] - 134:12
forms [1] - 33:29	furnished [8] - 17:2,
forth [6] - 47:24,	27:28, 34:16, 59:16,
48:5, 53:8, 109:28,	72:29, 76:3, 78:22,
147:16, 166:19	81:29
fortune [1] - 26:26	
forward [2] - 66:4,	furniture [1] - 5:8
69:7	furthermore [1] -
	6:29
four [8] - 7:29, 15:8,	future [4] - 48:24,
26:4, 32:16, 37:5,	55:21, 157:29, 160:25
93:26, 163:15, 173:25	
	_
Fourteenth [1] -	G
Fourteenth [1] - 61:29	G
Fourteenth [1] -	
Fourteenth [1] - 61:29	Gallagher [34] - 5:29,
Fourteenth [1] - 61:29 fourth [1] - 12:6	Gallagher [34] - 5:29, 6:15, 7:28, 8:5, 13:18,
Fourteenth [1] - 61:29 fourth [1] - 12:6 Fourth [15] - 5:24,	Gallagher [34] - 5:29, 6:15, 7:28, 8:5, 13:18, 13:27, 14:10, 15:26,
Fourteenth [1] - 61:29 fourth [1] - 12:6 Fourth [15] - 5:24, 7:1, 8:26, 9:3, 12:8,	Gallagher [34] - 5:29, 6:15, 7:28, 8:5, 13:18, 13:27, 14:10, 15:26, 18:19, 19:8, 26:3,
Fourteenth [1] - 61:29 fourth [1] - 12:6 Fourth [15] - 5:24, 7:1, 8:26, 9:3, 12:8, 12:13, 32:19, 32:24,	Gallagher [34] - 5:29, 6:15, 7:28, 8:5, 13:18, 13:27, 14:10, 15:26, 18:19, 19:8, 26:3, 27:10, 29:12, 31:23,
Fourteenth [1] - 61:29 fourth [1] - 12:6 Fourth [15] - 5:24, 7:1, 8:26, 9:3, 12:8, 12:13, 32:19, 32:24, 44:24, 127:19,	Gallagher [34] - 5:29, 6:15, 7:28, 8:5, 13:18, 13:27, 14:10, 15:26, 18:19, 19:8, 26:3, 27:10, 29:12, 31:23, 34:21, 35:10, 35:16,
Fourteenth [1] - 61:29 fourth [1] - 12:6 Fourth [15] - 5:24, 7:1, 8:26, 9:3, 12:8, 12:13, 32:19, 32:24, 44:24, 127:19, 127:28, 128:1, 129:8,	Gallagher [34] - 5:29, 6:15, 7:28, 8:5, 13:18, 13:27, 14:10, 15:26, 18:19, 19:8, 26:3, 27:10, 29:12, 31:23,
Fourteenth [1] - 61:29 fourth [1] - 12:6 Fourth [15] - 5:24, 7:1, 8:26, 9:3, 12:8, 12:13, 32:19, 32:24, 44:24, 127:19, 127:28, 128:1, 129:8, 130:14, 130:17	Gallagher [34] - 5:29, 6:15, 7:28, 8:5, 13:18, 13:27, 14:10, 15:26, 18:19, 19:8, 26:3, 27:10, 29:12, 31:23, 34:21, 35:10, 35:16, 35:20, 37:5, 37:28, 38:28, 41:26, 44:21,
Fourteenth [1] - 61:29 fourth [1] - 12:6 Fourth [15] - 5:24, 7:1, 8:26, 9:3, 12:8, 12:13, 32:19, 32:24, 44:24, 127:19, 127:28, 128:1, 129:8, 130:14, 130:17 Framework [1] - 82:3	Gallagher [34] - 5:29, 6:15, 7:28, 8:5, 13:18, 13:27, 14:10, 15:26, 18:19, 19:8, 26:3, 27:10, 29:12, 31:23, 34:21, 35:10, 35:16, 35:20, 37:5, 37:28, 38:28, 41:26, 44:21, 45:6, 49:4, 50:1,
Fourteenth [1] - 61:29 fourth [1] - 12:6 Fourth [15] - 5:24, 7:1, 8:26, 9:3, 12:8, 12:13, 32:19, 32:24, 44:24, 127:19, 127:28, 128:1, 129:8, 130:14, 130:17 Framework [1] - 82:3 framework [5] -	Gallagher [34] - 5:29, 6:15, 7:28, 8:5, 13:18, 13:27, 14:10, 15:26, 18:19, 19:8, 26:3, 27:10, 29:12, 31:23, 34:21, 35:10, 35:16, 35:20, 37:5, 37:28, 38:28, 41:26, 44:21,
Fourteenth [1] - 61:29 fourth [1] - 12:6 Fourth [15] - 5:24, 7:1, 8:26, 9:3, 12:8, 12:13, 32:19, 32:24, 44:24, 127:19, 127:28, 128:1, 129:8, 130:14, 130:17 Framework [1] - 82:3 framework [5] - 85:23, 88:15, 88:26,	Gallagher [34] - 5:29, 6:15, 7:28, 8:5, 13:18, 13:27, 14:10, 15:26, 18:19, 19:8, 26:3, 27:10, 29:12, 31:23, 34:21, 35:10, 35:16, 35:20, 37:5, 37:28, 38:28, 41:26, 44:21, 45:6, 49:4, 50:1,
Fourteenth [1] - 61:29 fourth [1] - 12:6 Fourth [15] - 5:24, 7:1, 8:26, 9:3, 12:8, 12:13, 32:19, 32:24, 44:24, 127:19, 127:28, 128:1, 129:8, 130:14, 130:17 Framework [1] - 82:3 framework [5] - 85:23, 88:15, 88:26, 89:2, 89:10	Gallagher [34] - 5:29, 6:15, 7:28, 8:5, 13:18, 13:27, 14:10, 15:26, 18:19, 19:8, 26:3, 27:10, 29:12, 31:23, 34:21, 35:10, 35:16, 35:20, 37:5, 37:28, 38:28, 41:26, 44:21, 45:6, 49:4, 50:1, 50:17, 51:19, 52:3,
Fourteenth [1] - 61:29 fourth [1] - 12:6 Fourth [15] - 5:24, 7:1, 8:26, 9:3, 12:8, 12:13, 32:19, 32:24, 44:24, 127:19, 127:28, 128:1, 129:8, 130:14, 130:17 Framework [1] - 82:3 framework [5] - 85:23, 88:15, 88:26, 89:2, 89:10 FRANCIS [1] - 2:11	Gallagher [34] - 5:29, 6:15, 7:28, 8:5, 13:18, 13:27, 14:10, 15:26, 18:19, 19:8, 26:3, 27:10, 29:12, 31:23, 34:21, 35:10, 35:16, 35:20, 37:5, 37:28, 38:28, 41:26, 44:21, 45:6, 49:4, 50:1, 50:17, 51:19, 52:3, 52:28, 53:7, 53:14,
Fourteenth [1] - 61:29 fourth [1] - 12:6 Fourth [15] - 5:24, 7:1, 8:26, 9:3, 12:8, 12:13, 32:19, 32:24, 44:24, 127:19, 127:28, 128:1, 129:8, 130:14, 130:17 Framework [1] - 82:3 framework [5] - 85:23, 88:15, 88:26, 89:2, 89:10 FRANCIS [1] - 2:11 frankly [6] - 57:26,	Gallagher [34] - 5:29, 6:15, 7:28, 8:5, 13:18, 13:27, 14:10, 15:26, 18:19, 19:8, 26:3, 27:10, 29:12, 31:23, 34:21, 35:10, 35:16, 35:20, 37:5, 37:28, 38:28, 41:26, 44:21, 45:6, 49:4, 50:1, 50:17, 51:19, 52:3, 52:28, 53:7, 53:14, 175:1, 175:5
Fourteenth [1] - 61:29 fourth [1] - 12:6 Fourth [15] - 5:24, 7:1, 8:26, 9:3, 12:8, 12:13, 32:19, 32:24, 44:24, 127:19, 127:28, 128:1, 129:8, 130:14, 130:17 Framework [1] - 82:3 framework [5] - 85:23, 88:15, 88:26, 89:2, 89:10 FRANCIS [1] - 2:11 frankly [6] - 57:26, 98:13, 113:8, 113:12,	Gallagher [34] - 5:29, 6:15, 7:28, 8:5, 13:18, 13:27, 14:10, 15:26, 18:19, 19:8, 26:3, 27:10, 29:12, 31:23, 34:21, 35:10, 35:16, 35:20, 37:5, 37:28, 38:28, 41:26, 44:21, 45:6, 49:4, 50:1, 50:17, 51:19, 52:3, 52:28, 53:7, 53:14, 175:1, 175:5 GALLAGHER [14] - 2:10, 29:10, 29:14,
Fourteenth [1] - 61:29 fourth [1] - 12:6 Fourth [15] - 5:24, 7:1, 8:26, 9:3, 12:8, 12:13, 32:19, 32:24, 44:24, 127:19, 127:28, 128:1, 129:8, 130:14, 130:17 Framework [1] - 82:3 framework [5] - 85:23, 88:15, 88:26, 89:2, 89:10 FRANCIS [1] - 2:11 frankly [6] - 57:26, 98:13, 113:8, 113:12, 135:10, 137:2	Gallagher [34] - 5:29, 6:15, 7:28, 8:5, 13:18, 13:27, 14:10, 15:26, 18:19, 19:8, 26:3, 27:10, 29:12, 31:23, 34:21, 35:10, 35:16, 35:20, 37:5, 37:28, 38:28, 41:26, 44:21, 45:6, 49:4, 50:1, 50:17, 51:19, 52:3, 52:28, 53:7, 53:14, 175:1, 175:5 GALLAGHER [14] - 2:10, 29:10, 29:14, 33:9, 35:7, 51:26,
Fourteenth [1] - 61:29 fourth [1] - 12:6 Fourth [15] - 5:24, 7:1, 8:26, 9:3, 12:8, 12:13, 32:19, 32:24, 44:24, 127:19, 127:28, 128:1, 129:8, 130:14, 130:17 Framework [1] - 82:3 framework [5] - 85:23, 88:15, 88:26, 89:2, 89:10 FRANCIS [1] - 2:11 frankly [6] - 57:26, 98:13, 113:8, 113:12, 135:10, 137:2 Fraud [4] - 59:26,	Gallagher [34] - 5:29, 6:15, 7:28, 8:5, 13:18, 13:27, 14:10, 15:26, 18:19, 19:8, 26:3, 27:10, 29:12, 31:23, 34:21, 35:10, 35:16, 35:20, 37:5, 37:28, 38:28, 41:26, 44:21, 45:6, 49:4, 50:1, 50:17, 51:19, 52:3, 52:28, 53:7, 53:14, 175:1, 175:5 GALLAGHER [14] - 2:10, 29:10, 29:14, 33:9, 35:7, 51:26, 52:8, 174:20, 175:7,
Fourteenth [1] - 61:29 fourth [1] - 12:6 Fourth [15] - 5:24, 7:1, 8:26, 9:3, 12:8, 12:13, 32:19, 32:24, 44:24, 127:19, 127:28, 128:1, 129:8, 130:14, 130:17 Framework [1] - 82:3 framework [5] - 85:23, 88:15, 88:26, 89:2, 89:10 FRANCIS [1] - 2:11 frankly [6] - 57:26, 98:13, 113:8, 113:12, 135:10, 137:2 Fraud [4] - 59:26, 95:1, 95:7, 137:19	Gallagher [34] - 5:29, 6:15, 7:28, 8:5, 13:18, 13:27, 14:10, 15:26, 18:19, 19:8, 26:3, 27:10, 29:12, 31:23, 34:21, 35:10, 35:16, 35:20, 37:5, 37:28, 38:28, 41:26, 44:21, 45:6, 49:4, 50:1, 50:17, 51:19, 52:3, 52:28, 53:7, 53:14, 175:1, 175:5 GALLAGHER [14] - 2:10, 29:10, 29:14, 33:9, 35:7, 51:26, 52:8, 174:20, 175:7, 175:11, 175:19,
Fourteenth [1] - 61:29 fourth [1] - 12:6 Fourth [15] - 5:24, 7:1, 8:26, 9:3, 12:8, 12:13, 32:19, 32:24, 44:24, 127:19, 127:28, 128:1, 129:8, 130:14, 130:17 Framework [1] - 82:3 framework [5] - 85:23, 88:15, 88:26, 89:2, 89:10 FRANCIS [1] - 2:11 frankly [6] - 57:26, 98:13, 113:8, 113:12, 135:10, 137:2 Fraud [4] - 59:26, 95:1, 95:7, 137:19 fraud' [1] - 46:18	Gallagher [34] - 5:29, 6:15, 7:28, 8:5, 13:18, 13:27, 14:10, 15:26, 18:19, 19:8, 26:3, 27:10, 29:12, 31:23, 34:21, 35:10, 35:16, 35:20, 37:5, 37:28, 38:28, 41:26, 44:21, 45:6, 49:4, 50:1, 50:17, 51:19, 52:3, 52:28, 53:7, 53:14, 175:1, 175:5 GALLAGHER [14] - 2:10, 29:10, 29:14, 33:9, 35:7, 51:26, 52:8, 174:20, 175:7, 175:11, 175:19, 175:25, 176:21,
Fourteenth [1] - 61:29 fourth [1] - 12:6 Fourth [15] - 5:24, 7:1, 8:26, 9:3, 12:8, 12:13, 32:19, 32:24, 44:24, 127:19, 127:28, 128:1, 129:8, 130:14, 130:17 Framework [1] - 82:3 framework [5] - 85:23, 88:15, 88:26, 89:2, 89:10 FRANCIS [1] - 2:11 frankly [6] - 57:26, 98:13, 113:8, 113:12, 135:10, 137:2 Fraud [4] - 59:26, 95:1, 95:7, 137:19 fraud' [1] - 46:18 FRCA [1] - 38:14	Gallagher [34] - 5:29, 6:15, 7:28, 8:5, 13:18, 13:27, 14:10, 15:26, 18:19, 19:8, 26:3, 27:10, 29:12, 31:23, 34:21, 35:10, 35:16, 35:20, 37:5, 37:28, 38:28, 41:26, 44:21, 45:6, 49:4, 50:1, 50:17, 51:19, 52:3, 52:28, 53:7, 53:14, 175:1, 175:5 GALLAGHER [14] - 2:10, 29:10, 29:14, 33:9, 35:7, 51:26, 52:8, 174:20, 175:7, 175:11, 175:19, 175:25, 176:21, 177:16
Fourteenth [1] - 61:29 fourth [1] - 12:6 Fourth [15] - 5:24, 7:1, 8:26, 9:3, 12:8, 12:13, 32:19, 32:24, 44:24, 127:19, 127:28, 128:1, 129:8, 130:14, 130:17 Framework [1] - 82:3 framework [5] - 85:23, 88:15, 88:26, 89:2, 89:10 FRANCIS [1] - 2:11 frankly [6] - 57:26, 98:13, 113:8, 113:12, 135:10, 137:2 Fraud [4] - 59:26, 95:1, 95:7, 137:19 fraud' [1] - 46:18 FRCA [1] - 38:14 FRCP [1] - 171:3	Gallagher [34] - 5:29, 6:15, 7:28, 8:5, 13:18, 13:27, 14:10, 15:26, 18:19, 19:8, 26:3, 27:10, 29:12, 31:23, 34:21, 35:10, 35:16, 35:20, 37:5, 37:28, 38:28, 41:26, 44:21, 45:6, 49:4, 50:1, 50:17, 51:19, 52:3, 52:28, 53:7, 53:14, 175:1, 175:5 GALLAGHER [14] - 2:10, 29:10, 29:14, 33:9, 35:7, 51:26, 52:8, 174:20, 175:7, 175:11, 175:19, 175:25, 176:21, 177:16 Gallagher's [4] -
Fourteenth [1] - 61:29 fourth [1] - 12:6 Fourth [15] - 5:24, 7:1, 8:26, 9:3, 12:8, 12:13, 32:19, 32:24, 44:24, 127:19, 127:28, 128:1, 129:8, 130:14, 130:17 Framework [1] - 82:3 framework [5] - 85:23, 88:15, 88:26, 89:2, 89:10 FRANCIS [1] - 2:11 frankly [6] - 57:26, 98:13, 113:8, 113:12, 135:10, 137:2 Fraud [4] - 59:26, 95:1, 95:7, 137:19 fraud' [1] - 46:18 FRCA [1] - 38:14 FRCP [1] - 171:3 free [3] - 14:3, 48:25,	Gallagher [34] - 5:29, 6:15, 7:28, 8:5, 13:18, 13:27, 14:10, 15:26, 18:19, 19:8, 26:3, 27:10, 29:12, 31:23, 34:21, 35:10, 35:16, 35:20, 37:5, 37:28, 38:28, 41:26, 44:21, 45:6, 49:4, 50:1, 50:17, 51:19, 52:3, 52:28, 53:7, 53:14, 175:1, 175:5 GALLAGHER [14] - 2:10, 29:10, 29:14, 33:9, 35:7, 51:26, 52:8, 174:20, 175:7, 175:11, 175:19, 175:25, 176:21, 177:16 Gallagher's [4] - 8:14, 24:25, 29:7,
Fourteenth [1] - 61:29 fourth [1] - 12:6 Fourth [15] - 5:24, 7:1, 8:26, 9:3, 12:8, 12:13, 32:19, 32:24, 44:24, 127:19, 127:28, 128:1, 129:8, 130:14, 130:17 Framework [1] - 82:3 framework [5] - 85:23, 88:15, 88:26, 89:2, 89:10 FRANCIS [1] - 2:11 frankly [6] - 57:26, 98:13, 113:8, 113:12, 135:10, 137:2 Fraud [4] - 59:26, 95:1, 95:7, 137:19 fraud' [1] - 46:18 FRCA [1] - 38:14 FRCP [1] - 171:3 free [3] - 14:3, 48:25, 55:25	Gallagher [34] - 5:29, 6:15, 7:28, 8:5, 13:18, 13:27, 14:10, 15:26, 18:19, 19:8, 26:3, 27:10, 29:12, 31:23, 34:21, 35:10, 35:16, 35:20, 37:5, 37:28, 38:28, 41:26, 44:21, 45:6, 49:4, 50:1, 50:17, 51:19, 52:3, 52:28, 53:7, 53:14, 175:1, 175:5 GALLAGHER [14] - 2:10, 29:10, 29:14, 33:9, 35:7, 51:26, 52:8, 174:20, 175:7, 175:11, 175:19, 175:25, 176:21, 177:16 Gallagher's [4] - 8:14, 24:25, 29:7, 35:12
Fourteenth [1] - 61:29 fourth [1] - 12:6 Fourth [15] - 5:24, 7:1, 8:26, 9:3, 12:8, 12:13, 32:19, 32:24, 44:24, 127:19, 127:28, 128:1, 129:8, 130:14, 130:17 Framework [1] - 82:3 framework [5] - 85:23, 88:15, 88:26, 89:2, 89:10 FRANCIS [1] - 2:11 frankly [6] - 57:26, 98:13, 113:8, 113:12, 135:10, 137:2 Fraud [4] - 59:26, 95:1, 95:7, 137:19 fraud' [1] - 46:18 FRCA [1] - 38:14 FRCP [1] - 171:3 free [3] - 14:3, 48:25,	Gallagher [34] - 5:29, 6:15, 7:28, 8:5, 13:18, 13:27, 14:10, 15:26, 18:19, 19:8, 26:3, 27:10, 29:12, 31:23, 34:21, 35:10, 35:16, 35:20, 37:5, 37:28, 38:28, 41:26, 44:21, 45:6, 49:4, 50:1, 50:17, 51:19, 52:3, 52:28, 53:7, 53:14, 175:1, 175:5 GALLAGHER [14] - 2:10, 29:10, 29:14, 33:9, 35:7, 51:26, 52:8, 174:20, 175:7, 175:11, 175:19, 175:25, 176:21, 177:16 Gallagher's [4] - 8:14, 24:25, 29:7, 35:12 gap [1] - 37:16
Fourteenth [1] - 61:29 fourth [1] - 12:6 Fourth [15] - 5:24, 7:1, 8:26, 9:3, 12:8, 12:13, 32:19, 32:24, 44:24, 127:19, 127:28, 128:1, 129:8, 130:14, 130:17 Framework [1] - 82:3 framework [5] - 85:23, 88:15, 88:26, 89:2, 89:10 FRANCIS [1] - 2:11 frankly [6] - 57:26, 98:13, 113:8, 113:12, 135:10, 137:2 Fraud [4] - 59:26, 95:1, 95:7, 137:19 fraud' [1] - 46:18 FRCA [1] - 38:14 FRCP [1] - 171:3 free [3] - 14:3, 48:25, 55:25	Gallagher [34] - 5:29, 6:15, 7:28, 8:5, 13:18, 13:27, 14:10, 15:26, 18:19, 19:8, 26:3, 27:10, 29:12, 31:23, 34:21, 35:10, 35:16, 35:20, 37:5, 37:28, 38:28, 41:26, 44:21, 45:6, 49:4, 50:1, 50:17, 51:19, 52:3, 52:28, 53:7, 53:14, 175:1, 175:5 GALLAGHER [14] - 2:10, 29:10, 29:14, 33:9, 35:7, 51:26, 52:8, 174:20, 175:7, 175:11, 175:19, 175:25, 176:21, 177:16 Gallagher's [4] - 8:14, 24:25, 29:7, 35:12 gap [1] - 37:16 Garland [2] - 137:14,
Fourteenth [1] - 61:29 fourth [1] - 12:6 Fourth [15] - 5:24, 7:1, 8:26, 9:3, 12:8, 12:13, 32:19, 32:24, 44:24, 127:19, 127:28, 128:1, 129:8, 130:14, 130:17 Framework [1] - 82:3 framework [5] - 85:23, 88:15, 88:26, 89:2, 89:10 FRANCIS [1] - 2:11 frankly [6] - 57:26, 98:13, 113:8, 113:12, 135:10, 137:2 Fraud [4] - 59:26, 95:1, 95:7, 137:19 fraud' [1] - 46:18 FRCA [1] - 38:14 FRCP [1] - 171:3 free [3] - 14:3, 48:25, 55:25 FREE [1] - 3:9	Gallagher [34] - 5:29, 6:15, 7:28, 8:5, 13:18, 13:27, 14:10, 15:26, 18:19, 19:8, 26:3, 27:10, 29:12, 31:23, 34:21, 35:10, 35:16, 35:20, 37:5, 37:28, 38:28, 41:26, 44:21, 45:6, 49:4, 50:1, 50:17, 51:19, 52:3, 52:28, 53:7, 53:14, 175:1, 175:5 GALLAGHER [14] - 2:10, 29:10, 29:10, 29:10, 29:14, 33:9, 35:7, 51:26, 52:8, 174:20, 175:7, 175:11, 175:19, 175:25, 176:21, 177:16 Gallagher's [4] - 8:14, 24:25, 29:7, 35:12 gap [1] - 37:16 Garland [2] - 137:14, 138:10
Fourteenth [1] - 61:29 fourth [1] - 12:6 Fourth [15] - 5:24, 7:1, 8:26, 9:3, 12:8, 12:13, 32:19, 32:24, 44:24, 127:19, 127:28, 128:1, 129:8, 130:14, 130:17 Framework [1] - 82:3 framework [5] - 85:23, 88:15, 88:26, 89:2, 89:10 FRANCIS [1] - 2:11 frankly [6] - 57:26, 98:13, 113:8, 113:12, 135:10, 137:2 Fraud [4] - 59:26, 95:1, 95:7, 137:19 fraud' [1] - 46:18 FRCA [1] - 38:14 FRCP [1] - 171:3 free [3] - 14:3, 48:25, 55:25 FREE [1] - 3:9 Freedom [2] - 59:26,	Gallagher [34] - 5:29, 6:15, 7:28, 8:5, 13:18, 13:27, 14:10, 15:26, 18:19, 19:8, 26:3, 27:10, 29:12, 31:23, 34:21, 35:10, 35:16, 35:20, 37:5, 37:28, 38:28, 41:26, 44:21, 45:6, 49:4, 50:1, 50:17, 51:19, 52:3, 52:28, 53:7, 53:14, 175:1, 175:5 GALLAGHER [14] - 2:10, 29:10, 29:14, 33:9, 35:7, 51:26, 52:8, 174:20, 175:7, 175:11, 175:19, 175:25, 176:21, 177:16 Gallagher's [4] - 8:14, 24:25, 29:7, 35:12 gap [1] - 37:16 Garland [2] - 137:14,

49:17

58:17, 58:18 140:4, 140:22, gathering [1] -140:23, 141:5, 121:20 143:25, 144:2, 144:4, gay [1] - 114:23 general [12] - 8:11, 9:16, 11:17, 32:25, 34:23, 36:27, 41:7, 74:13, 109:10, 109:11, 124:27, 134:7 General [3] - 87:23, 108:25, 108:27 generally [7] - 71:10, 89:22, 90:19, 90:21, 146:8, 146:11, 166:25 generate [2] - 39:6, 44:17 genuinely [1] -166:25 geographic [1] -168:28 GILMORE [1] - 3:8 Ginsburg [2] - 8:2, 36:6 Ginsburg's [1] -25:17 girlfriend [1] - 143:1 given [29] - 11:25, 29:8, 42:8, 46:29, 51:12, 56:7, 64:4, 65:21, 80:20, 80:28, 86:3, 87:5, 87:16, 87:20, 90:27, 90:29, 95:20, 96:25, 100:22, 101:26, 103:16, 112:14, 119:15, 166:14, 167:27, 169:21, 171:2, 176:16 glean [1] - 152:25 global [1] - 57:25 globally [1] - 58:1 goal [5] - 157:12, 157:14, 157:17, 157:18 GOODBODY [1] -3.3 Google [6] - 28:24, 29:28, 30:4, 30:7, 30:8, 36:16 Gorski [1] - 132:17 govern [2] - 147:28, 171:4 governed [1] - 110:1 governing [3] - 51:1, 88:15, 89:1 Government [36] -14:19, 14:22, 58:18, 82:19, 83:4, 83:11,

144:8, 145:15, 145:21, 146:25, 147:8, 148:6, 150:21, 150:26, 151:13, 151:20, 151:24, 151:27, 154:23, 168:27, 169:3 government [104] -6:14, 6:26, 9:28, 11:12, 14:28, 15:1, 51:27, 54:25, 55:2, 58:20, 58:21, 63:13, 65:14, 66:21, 67:13, 81:29, 82:1, 83:17, 85:20, 87:1, 87:2, 87:8, 88:4, 90:15, 90:17, 94:29, 104:20, 106:2, 109:4, 109:18, 110:17, 111:9, 111:17, 111:29, 112:11, 112:24, 113:10, 118:21, 118:25, 119:27, 120:3, 120:10, 120:25, 121:7, 122:16, 123:18, 123:25, 124:3, 124:19, 124:28, 124:29, 125:6, 125:26, 126:1, 129:12, 129:15, 131:6, 131:24, 132:21, 132:26, 134:10, 134:19, 135:26, 135:27, 137:20, 137:25, 137:28, 139:12, 140:25, 141:24, 142:17, 142:21, 143:6, 145:4, 145:11, 145:13, 145:19, 145:22, 145:23, 147:29, 149:3, 150:4, 150:7, 150:9, 150:14, 150:16, 150:17, 151:7, 151:12, 151:20, 151:23, 152:4, 152:11, 152:13, 154:25, 154:26, 155:27, 159:4, 167:2, 167:3, 167:6, 167:7, 173:20 government's [2] -125:29, 130:25 Government's [1] -168:29 governmental [3] -67:4, 149:12, 151:29

governments [1] -169:2 graduate [1] - 57:5 graduated [1] - 57:7 **GRAINNE** [1] - 3:8 **GRAND** [1] - 2:28 granted [1] - 163:11 grants [1] - 21:6 granular [1] - 49:27 great [2] - 10:11, 11:1 grey [1] - 166:1 ground [1] - 157:10 grounds [10] - 68:28, 69:15, 69:16, 93:26, 113:23, 124:10, 164:10, 164:11, 164:12, 164:14 quess [7] - 83:22, 84:5, 136:5, 145:7, 158:5, 161:9, 161:29 guidance [2] - 19:29, 42:8 guide [1] - 32:16

Н

half [4] - 74:17, 88:10, 100:6, 176:14 hand [18] - 8:3, 11:7, 14:13, 14:25, 20:14, 28:19, 29:5, 37:4, 39:9, 39:14, 44:9, 44:14, 46:1, 61:14, 86:17, 97:27, 107:22, 126:10 handed [5] - 27:12, 41:29, 99:14, 126:20, 131:12 **HANDED** [9] - 19:2, 19:3, 20:18, 37:29, 38:1, 97:28, 126:13, 126.14 Handed) [1] - 44:23 handing [1] - 170:20 handling [2] - 10:2, 10:15 happily [2] - 106:27, 112:29 happy [2] - 128:17, 144:25 Harbour [8] - 99:19, 99:24, 100:7, 100:9, 100:13, 100:16, 100:17, 100:18 hard [8] - 7:13, 13:3, 13:14, 131:4, 142:3, 144:14, 144:21, 158:22

83:19, 83:27, 84:2,

139:7, 139:15, 140:1,

136:11, 137:29,

gathered [3] - 44:22,

harder [1] - 12:25	heart [1] - 76:7	76:12	identify [36] - 8:13,	136:14, 136:19,
hardly [1] - 46:11	heavy [1] - 117:22	hope [1] - 106:13	9:13, 73:20, 75:2,	137:10, 137:26,
harm [46] - 6:17,	heightened [1] - 46:7	hopefully [2] - 20:20,	88:25, 91:23, 92:4,	138:1, 139:4, 139:15,
6:18, 6:23, 10:5,	held [28] - 18:16,	56:14	94:17, 94:19, 95:6,	139:29, 140:24,
10:12, 10:14, 11:2,	22:2, 38:28, 40:24,	hoping [1] - 106:21	95:7, 95:8, 95:13,	141:26, 143:14,
12:1, 14:12, 15:4,	41:15, 50:18, 54:24,	hour [2] - 71:18,	97:16, 98:3, 98:29,	144:18, 148:4,
15:22, 18:7, 20:26,	54:28, 61:9, 110:20,	176:14	102:26, 104:4,	148:22, 149:2,
21:12, 22:10, 22:12,	111:19, 127:13,	hours [1] - 176:15	109:26, 114:4,	150:26, 152:8, 155:21
22:17, 23:22, 23:25,	127:24, 127:29,	HOUSE [1] - 2:13	114:29, 118:3,	impending' [1] -
23:26, 23:29, 26:13,	128:9, 128:10,	house [1] - 98:10	120:11, 123:15,	46:11
26:22, 31:9, 31:11,	133:27, 133:29,	human [1] - 168:17	128:28, 133:24,	implementing [1] -
31:20, 31:29, 39:27,	137:20, 138:13,	humorous [1] -	139:3, 141:19, 145:1,	86:12
43:6, 47:21, 48:9,	138:14, 142:1,	24:28	165:15, 165:21,	implications [2] -
48:13, 48:24, 49:8,	145:19, 145:21,	hurdle [2] - 172:16,	167:16, 167:18,	24:24, 78:10
49:9, 50:12, 50:19,	149:25, 150:7, 150:9,	172:18	172:15, 172:17	implicit [1] - 111:20
50:28, 51:9, 53:24,	169:17	HYLAND [30] - 2:11,	identifying [1] - 21:3	implicitly [1] - 112:7
55:14, 62:10, 157:29,	help [7] - 5:20,	4:9, 70:19, 70:21,	identity [6] - 44:29,	importance [6] -
158:1, 167:22	29:10, 98:10, 98:16,	75:11, 84:16, 85:8,	46:17, 46:25, 48:1,	10:22, 80:20, 91:9,
harm' [2] - 62:12,	106:16, 126:25,	87:21, 92:18, 99:12,	48:11, 48:24	119:9, 119:25, 122:23
62:17	158:10	102:6, 102:9, 102:12,	III [32] - 6:23, 7:3,	important [38] -
harmed' [1] - 43:29	helpful [7] - 29:12,	106:11, 106:17,	11:24, 21:8, 21:13,	19:28, 24:29, 32:2,
harms [4] - 21:4,	75:3, 97:7, 128:28,	106:20, 106:25,	25:2, 28:11, 28:21,	50:9, 63:17, 63:29,
21:16, 31:7, 55:12	159:13, 171:5, 171:6	107:17, 107:20,	29:11, 29:21, 29:25,	64:5, 66:24, 67:19,
harvested [1] - 28:4	helpfully [1] - 62:15	107:25, 107:28,	31:8, 39:6, 40:26,	69:22, 91:4, 100:26,
Hasanoff [1] -	here' [1] - 18:8	108:2, 133:17,	41:2, 42:4, 43:25,	116:26, 118:28,
123:21	high [1] - 14:29	142:10, 142:12,	44:17, 46:4, 46:8,	119:1, 119:8, 119:16,
Hasbajrami [1] -	HIGH [1] - 1:2	146:4, 173:25, 174:4,	46:19, 47:10, 51:23,	119:27, 121:15,
123:19	higher [2] - 49:29,	174:8, 174:16	61:4, 61:5, 62:4,	122:3, 124:28,
have [2] - 138:28,	105:5	Hyland [5] - 62:15,	62:11, 63:16, 64:1,	125:10, 125:19,
142:23	highest [1] - 19:14	70:17, 85:7, 92:15,	64:9, 70:14	125:22, 125:24,
HAVING [1] - 56:3	highlighted [1] -	101:29	ill [1] - 102:3	130:23, 130:24,
HAYES [1] - 2:12	10:22	hypothetical [2] -	illegal [4] - 6:28,	131:23, 136:4, 151:2,
head [8] - 81:6, 88:5,	highly [3] - 9:10,	124:2, 158:3	111:10, 146:14, 159:5	151:5, 151:11,
108:22, 109:9,	19:16, 104:10		illegally [5] - 58:17,	151:14, 152:3,
144:19, 163:9,	Hillson [2] - 37:28,		65:15, 118:22,	152:15, 152:17,
171:10, 171:18	41:27	-	_ 118:24, 118:26	152:19
headache [1] - 24:20	him' [1] - 27:6		illuminated [1] -	important' [1] -
headed [1] - 104:2	hint [1] - 34:14	i.e [2] - 112:24,	10:21	31:15
heading [12] - 23:8,	HIPAA [1] - 57:17	148:10	imagination [1] -	imposes [2] - 16:26,
29:14, 92:24, 99:15,	history [5] - 39:25,	idea [6] - 10:15,	24:19	16:29
99:18, 99:20, 103:7,	69:28, 70:7, 112:13,	13:20, 13:21, 13:22,	imagine [2] - 23:27,	impossible [3] -
107:13, 107:20,	163:9	97:12, 100:15	24:17	13:6, 14:1, 54:2
108:4, 123:5, 129:23	hit [1] - 100:25	identification [4] -	imagined [1] - 49:26	impression [2] -
headings [1] - 129:5	hmm [5] - 97:22,	93:15, 93:25, 110:18,	immanence [1] -	27:1, 41:19
headway [1] - 174:21	103:5, 138:17, 155:3,	110:21	160:24	in-chief [2] - 175:2,
health [4] - 47:29,	155:7	identified [27] - 6:22,	immediately [3] -	175:4
57:17, 58:5, 58:8	hold [3] - 47:22,	34:16, 37:28, 94:7,	33:16, 75:23, 76:18	in-house [1] - 98:10
health-related [1] -	130:16, 177:14	94:14, 94:20, 94:21,	imminent [3] -	inaccuracies [3] -
47:29	holding [6] - 25:19,	95:1, 95:5, 97:10,	160:25, 160:26,	23:22, 23:25, 26:29
hear [4] - 13:28,	39:19, 39:29, 40:4,	105:18, 107:8,	160:27	inaccurate [1] -
16:7, 22:28, 144:25	40:11, 69:20	112:23, 116:11,	immune [1] - 137:21	26:25
heard [4] - 7:19,	Holdings [1] - 40:11	116:13, 123:9,	immunity [38] -	inadequate [1] -
38:17, 38:18, 66:23	holdings [1] - 147:29	143:26, 145:3,	54:28, 66:21, 105:15,	31:17
HEARD [1] - 1:17	honest [2] - 101:1,	147:12, 147:22,	106:4, 106:6, 109:17,	incidentally [6] -
hearing [7] - 5:4,	104:29	154:21, 158:27,	111:13, 112:1,	27:13, 127:24,
60:1, 75:23, 76:24,	honestly [8] - 73:6,	167:28, 168:3,	133:28, 134:7, 134:8,	127:27, 127:28,
85:4, 176:2, 176:12	77:17, 78:26, 79:7,	168:15, 169:22,	134:9, 134:19, 135:3,	128:6, 130:15
HEARING [5] - 1:17,	79:9, 133:4, 142:19,	172:10	135:7, 135:14,	Incidentally [1] -
4:10, 5:1, 85:1,	171:17	identifies [2] - 82:18,	135:17, 135:29,	129:26
177:18	Honourable [1] -	105:24	136:6, 136:11,	incidentally-

collected [1] - 128:6 125:24, 134:19, include [7] - 98:26, 134:23, 135:22, 98:27, 119:5, 147:28, 135:27, 136:2, 136:9, 151:29, 153:5, 172:28 136:14, 136:15, 139:7, 140:6, 140:7, included [8] - 58:22, 80:5 63:11, 88:14, 119:10, 140:18, 141:11, 143:8, 145:4, 150:24, 119:11, 141:2, 142:2, 152:4, 173:7 172:27 individually [1] including [10] -14:20, 19:18, 32:15, 70:14, 111:14, 42:13, 43:19, 52:14, individuals [24] -67:14, 104:26, 17:14, 17:17, 48:26, 163:11 137:28, 138:2 58:20, 61:2, 93:18, 122:23, 123:29, inclusion [1] - 42:18 163:8 134:29, 135:3, inconsistent [2] -135:15, 135:17, 19:24, 19:28 110.13 136:6, 136:14, incorporate [2] -136:19, 139:16, 32:8, 154:10 140:23, 140:28, incorporates [3] -111:16, 111:22, 141:4, 141:13, 154:5, 154:7, 155:11 141:27, 144:22, incorporating [1] -113:4, 149:3 152:8, 168:21 155:19 industry [1] - 16:20 incorrect [5] - 23:27, inexorably [1] - 92:1 23:28, 26:22, 26:23, infer [1] - 48:24 172.17 increased [3] inform [1] - 177:9 35:11, 44:29, 46:25 Information [2] -59:26, 95:13 indeed [5] - 19:15, **INFORMATION** [1] -33:8, 64:14, 82:18, 175:16 information [57] -Indeed [1] - 42:22 indemnification [1] -8:18, 11:23, 12:23, 16:3, 16:4, 16:18, 134:25 17:10, 17:15, 17:28, indemnifies [1] -19:14, 23:13, 23:16, 142:21 28:5, 28:23, 29:26, 34:3, 34:8, 35:1, indemnify [3] -33:26, 35:4, 36:18, 142:17, 143:8, 143:17 43:19, 43:27, 47:19, indemnity [1] -50:2, 53:3, 54:26, 143:24 55:2, 61:3, 61:15, independence [2] -74:9, 88:12, 88:14, 32:8, 119:11 88:22, 115:19, independent [5] -115:24, 117:16, 11:24, 12:24, 58:14, 117:17, 118:22, 97:3, 172:18 118:26, 119:24, indeterminacy [3] -119:28, 120:12, 41:9, 49:18, 161:21 120:13, 120:20, **INDEX** [1] - 4:1 124:20, 124:24, 123:18, 160:25 indicate [4] - 76:11, 126:1, 127:15, 158:9, 124:20, 176:12, 159:18, 159:19, 176:15 159:21, 161:5, indicated [3] -161:11, 161:14, 174:12, 176:1, 176:14 161:18, 161:28, INDICATING [1] -168:24 171:2 information' [1] indication [1] - 177:2 indirect [2] - 73:22, informational [2] -92.14 39:21, 43:24 individual [24] infringe [1] - 117:4 insist [1] - 47:17 93:21, 109:3, 113:13, inherently [1] - 81:14 insofar [5] - 6:4, 6:6, 113:14, 113:20,

inhibit [1] - 172:24 inhouse [1] - 57:27 initial [5] - 58:27, 63:6, 66:12, 71:22, initiate [1] - 108:20 initiation [1] - 74:6 injunction [9] -69:15, 69:16, 69:19, 162:18, 163:2, 163:6, injunction" [1] injunctions [1] injunctive [10] -67:13, 67:14, 111:2, 112:1, 112:2, 112:4, injured [1] - 34:12 injuries [10] - 21:16, 21:29, 22:4, 22:18, 24:15, 31:16, 31:17, 34:9, 39:20, 55:10 injury [66] - 6:13, 7:3, 10:5, 18:10, 21:5, 21:9, 21:12, 21:19, 21:24, 22:9, 22:14, 24:2, 24:9, 24:11, 24:15, 24:20, 25:26, 28:24, 29:28, 30:13, 31:4, 31:9, 31:10, 33:28, 33:29, 34:2, 35:26, 39:5, 39:21, 39:28, 40:8, 40:14, 41:11, 42:10, 43:17, 43:24, 43:25, 46:3, 46:4, 46:8, 46:10, 46:11, 49:10, 49:11, 50:12, 50:13, 50:27, 51:2, 51:5, 53:23, 53:24, 54:18, 54:29, 55:3, 55:5, 55:17, 60:7, 61:4, 61:13, injury-in-fact [18] -30:13, 31:9, 39:28, 40:8, 41:11, 46:4, 46:8, 46:11, 49:10, 49:11, 50:12, 50:27, 51:2, 51:5, 53:23, 54:18, 55:5, 60:7 inn [1] - 167:18 inquiry [1] - 36:8 insecure [1] - 9:19

6:22, 27:24, 55:10 Inspector [2] -108:25, 108:27 inspector [2] -109:10 instance [3] - 33:21, 59:22, 70:26 instead [1] - 30:12 instituted [2] - 58:26, 62:26 Instructed [3] - 2:7, 2:12, 3:3 instructed [5] - 2:18, 2:22, 2:28, 3:9, 58:11 instruction [7] -71:27, 79:1, 79:3, 79:5, 79:8, 79:19, 79:20 instructive [1] -31:14 insufficient [2] -22:18, 48:8 insurance [1] - 23:13 Int [2] - 143:19, 143:20 intangible [3] - 21:4, 21:16, 43:6 Intelligence [3] -87:24, 128:11, 143:20 intelligence [6] -11:16, 88:13, 90:3, 119:22, 168:23 intend [2] - 54:5, 69:5 intended [5] - 52:2, 57:26, 111:5, 111:9, 138.1 intent [4] - 111:1, 111:13, 112:11, 112:20 intentional [1] -105:6 intentionally [1] -108:16 interaction [2] -71:10, 71:14 interactions [1] -70:24 Intercept [2] -129:24, 129:25 intercept [6] - 14:19, 14:22, 15:1, 127:25, 127:26, 146:13 intercepted [1] -123:27 interception [2] -8.6 9.9 interest [4] - 36:1, 53:23, 119:11, 128:14

interest" [1] - 35:28

interested [1] - 58:8 interfered [1] - 50:3 interference [16] -6:2, 6:7, 6:9, 6:10, 6:16, 8:16, 8:21, 8:24, 9:29, 10:4, 50:18, 50:23, 50:24, 50:25, 52:18, 53:4 interferences [4] -8:14, 9:14, 31:27, internal [1] - 107:25 international [3] -97:26, 98:7, 123:26 internet [2] - 28:5, Internet [1] - 123:26 interpret [4] -126:29, 156:5, 171:5, 171:21 interpretation [7] -25:18, 50:20, 51:9, 51:11, 60:29, 61:5, 173:14 interpreted [2] -60:14, 167:24 interpreting [1] interpretive [1] -13:13 interrupt [1] - 87:17 intervening [1] introduce [1] - 120:6 introduced [1] -129:21 intrusion [2] - 11:18, 33:5 invaded [2] - 30:19, 40:5 invalidated [2] -78:15, 100:7 invalidation [1] -78:10 invasion [3] - 30:14, 39:21. 39:26 invasions [1] - 33:17 investigation [7] -47:6, 72:28, 81:27, 147:15, 166:8, 171:28, 172:12 invited [1] - 47:13 invoked [1] - 167:18 involve [1] - 164:2 involved [3] - 63:12, 108:23, 127:21 involves [1] - 144:19 involving [3] - 30:18, 111:8. 137:21

Ireland [5] - 5:5,

71:1, 71:3, 85:5,	J	69:24, 70:3	42:21	176:3, 176:4
163:17	J	– July [2] - 76:22,	Kelly's [1] - 42:17	lasted [1] - 71:17
IRELAND [1] - 1:12		76:25	Kentucky [1] - 44:7	latest [2] - 34:26,
Irish [4] - 80:10,	JAMES [1] - 2:16	jumping [1] - 96:8	key [1] - 125:6	121:17
85:29, 87:19, 99:10	January [2] - 37:8,	June [5] - 27:13,	KIERAN [1] - 2:11	latter [1] - 12:21
ironically [2] - 23:21,	42:1	30:6, 99:27, 100:1,	kind [9] - 11:19,	law [89] - 9:22, 10:1,
70:13	jewel [3] - 111:21,	100:11	13:25, 65:27, 71:26,	11:27, 13:24, 16:11,
is' [1] - 165:9	111:27, 112:3	jurisdiction [1] -	79:16, 115:9, 118:24,	19:14, 22:1, 31:23,
issue [75] - 6:7,	Jewel [12] - 61:26,	108:25	151:25, 172:23	31:28, 32:5, 32:8,
28:10, 30:23, 34:28,	67:9, 111:21, 134:15,	jurisdictional [1] -	kinds [4] - 17:4,	32:9, 32:10, 32:11,
38:27, 39:2, 39:11,	134:20, 135:2,	42:28	17:22, 31:7, 53:20	32:16, 32:18, 32:25,
39:19, 45:3, 45:21,	136:12, 139:23,	jurisdictions [2] -	KINGSTON [1] - 2:21	33:1, 33:4, 33:8, 34:1,
51:20, 59:29, 60:3,	141:29, 162:19,	33:21, 43:11	Klayman [2] -	34:4, 34:25, 36:1,
62:8, 64:18, 64:29,	162:21	jurisprudence [1] -	162:16, 162:27	41:20, 49:6, 49:17,
65:12, 68:3, 68:5,	jigsaw [2] - 118:29,	33:2	know' [5] - 65:17,	49:25, 51:10, 51:11,
68:6, 69:1, 70:9,	119:1	JUSTICE [65] - 1:17,	158:1, 164:2, 168:14,	51:23, 55:9, 55:10,
70:10, 71:6, 74:27,	job [6] - 14:29,	7:4, 19:4, 19:7, 20:3,	169:13	55:20, 55:21, 57:6,
78:16, 80:20, 91:1,	17:20, 26:26, 27:3,	20:5, 20:8, 20:14,	knowing [2] - 104:5,	58:4, 58:23, 58:24,
99:21, 106:4, 110:23,	73:14, 100:24	20:19, 29:2, 29:5,	141:25	59:2, 70:25, 73:10,
111:15, 112:8,	JOHN [1] - 2:23	29:17, 29:21, 29:23,	knowledge [5] -	73:16, 76:28, 77:21,
112:14, 112:16,	John [2] - 75:12,	39:12, 39:16, 46:22,	35:4, 65:3, 119:17,	77:24, 80:1, 80:26,
113:29, 114:14,	142:26	52:22, 55:24, 55:27,	133:2, 161:12	87:6, 87:16, 87:19,
114:15, 118:23,	joint [3] - 15:13,	56:8, 56:11, 65:4,	known [6] - 65:9,	87:20, 89:4, 89:5,
119:18, 121:24,	131:9, 131:10	65:11, 70:6, 70:10,	82:2, 86:9, 114:24,	89:9, 91:13, 91:15,
124:20, 125:8, 128:6,	Joshua [1] - 123:19	75:10, 84:14, 84:17,	141:29, 143:20	91:22, 92:17, 93:17,
134:23, 135:2, 135:8,	judge [16] - 11:24,	85:3, 85:7, 92:15,		95:20, 95:27, 97:17,
135:15, 136:18,	12:24, 18:25, 27:14,	99:8, 101:29, 102:7,	L	97:18, 97:21, 97:23,
137:8, 137:23,	45:8, 45:14, 51:26,	102:10, 106:9,		98:1, 98:7, 101:6,
140:15, 143:14,	52:8, 52:12, 70:2,	106:16, 106:18,	L207/28 [1] - 87:25	101:15, 101:18, 101:25, 102:5, 104:3,
147:25, 147:27,	87:17, 114:27,	107:16, 107:18,	L207/91 [2] - 86:18,	109:23, 116:6,
148:4, 148:24, 148:25, 149:22,	173:25, 174:25, 175:6	107:23, 107:27,	87:29	118:23, 119:7,
149:24, 150:27,	Judge [44] - 7:6, 8:1, 19:6, 20:4, 20:17,	107:29, 133:16, 142:6, 145:26, 146:1,	labour [1] - 168:17	119:15, 120:24,
157:6, 158:26,	29:10, 29:13, 29:19,	173:27, 174:5, 174:9,	lack [6] - 7:9, 61:8,	121:11, 131:3, 151:4,
161:17, 163:22,	33:10, 35:15, 39:13,	174:17, 174:27,	63:13, 157:19,	154:17, 161:2, 161:6,
164:7, 165:16,	39:17, 45:8, 45:12,	175:9, 175:17,	161:11, 169:22	173:1, 173:19
167:20, 167:25,	46:23, 46:27, 52:27,	175:23, 175:27,	lacked [2] - 18:9,	law' [1] - 31:18
172:16, 173:17,	55:29, 56:12, 56:13,	176:4, 176:8, 176:19,	70:14	lawful [1] - 115:28
173:24, 175:18, 176:8	75:9, 84:13, 84:16,	176:22, 176:27,	lacking [2] - 28:22,	laws [3] - 28:25,
issued [7] - 23:7,	85:8, 85:26, 102:6,	177:3, 177:7, 177:14	29:25	57:25, 58:9
68:11, 68:12, 75:25,	102:12, 106:20,	Justice [5] - 8:2,	lacks [1] - 13:11	lawsuit [3] - 31:13,
100:1, 156:23, 156:28	106:25, 106:26,	15:13, 19:24, 25:17,	laid [3] - 77:24,	86:29, 87:1
issues [10] - 63:5,	107:17, 107:28,	36:6	162:7, 169:14	lawyer [25] - 25:12,
67:20, 100:8, 125:15,	114:18, 126:9,	justice's [1] - 15:13	language [4] - 10:23,	57:23, 57:24, 58:1,
125:16, 133:7,	133:20, 174:24,	justices [4] - 15:10,	21:21, 145:9, 148:11	77:15, 83:15, 84:6,
137:23, 149:17, 160:2	175:12, 176:12,	21:23, 49:20	laptop [1] - 47:7	87:14, 98:8, 103:10,
it' [2] - 113:18,	176:16, 176:18,		large [3] - 34:10,	126:3, 141:6, 157:1,
166:23	176:24, 176:29,	K	35:3, 56:28	157:2, 160:16, 164:3,
it [1] - 170:19	177:12, 177:16		largely [2] - 64:11,	164:9, 165:7, 165:14,
italics [1] - 96:23	judged [1] - 25:26	Kagan [1] - 8:2	163:22	165:17, 166:5, 167:4,
items [1] - 47:9	judges [5] - 7:29,	Katz [1] - 8:27	last [24] - 24:5,	167:5, 172:20
iteration [1] - 46:9	11:6, 31:10, 45:17, 45:18	keen [1] - 177:1	26:10, 27:13, 34:17,	lawyers [10] - 6:11, 6:12, 98:16, 98:24,
itself [8] - 17:13,	judgment [13] - 22:6,	keep [6] - 82:16,	36:14, 60:10, 75:19,	166:11, 167:26,
42:29, 45:21, 76:9,	29:4, 31:1, 31:14,	87:28, 96:10, 96:12,	88:10, 94:16, 101:10,	169:6, 172:25, 173:3,
113:11, 122:11, 129:1, 138:2	36:19, 37:12, 39:25,	124:16, 177:1	115:15, 115:16, 116:18, 116:20,	173:8
iv [1] - 14:26	45:12, 65:29, 91:8,	keeping [1] - 101:5	121:25, 127:18,	lay [6] - 77:27, 92:5,
	162:19, 162:20,	KELLEY [1] - 2:27	130:10, 130:11,	95:25, 98:9, 153:6,
	162:22	Kelly [5] - 37:29,	133:25, 147:23,	155:14
	Judicial [3] - 59:24,	41:27, 42:12, 42:15,	152:29, 155:29,	layered [2] - 88:15,
			•	

00.00
90:26
lead [1] - 92:1
leading [3] - 19:12,
19:16, 33:9
leads [1] - 9:19
leak [3] - 111:11,
115:4, 115:6
leaked [1] - 114:25
leaks [2] - 120:18,
159:5
learned [1] - 129:16
least [30] - 10:21,
14:19, 15:1, 15:2,
15:11, 25:11, 32:7,
32:15, 33:15, 34:5,
34:12, 61:10, 63:24,
65:20, 68:13, 70:1,
98:9, 98:11, 132:27,
135:2, 135:15, 136:9,
136:16, 137:10,
141:26, 159:3, 159:5,
170:12, 174:18,
175:14
leave [2] - 25:16,
155:9
leaving [2] - 80:11,
80:14
lecture [1] - 19:25
led [1] - 148:19
LEE [1] - 2:7
left [2] - 14:25,
left [2] - 14:25, 104:10
left [2] - 14:25, 104:10 left-hand [1] - 14:25
left [2] - 14:25, 104:10 left-hand [1] - 14:25 Legal [1] - 129:5
left [2] - 14:25, 104:10 left-hand [1] - 14:25 Legal [1] - 129:5 legal [11] - 15:12,
left [2] - 14:25, 104:10 left-hand [1] - 14:25 Legal [1] - 129:5 legal [11] - 15:12, 30:14, 30:19, 54:12,
left [2] - 14:25, 104:10 left-hand [1] - 14:25 Legal [1] - 129:5 legal [11] - 15:12, 30:14, 30:19, 54:12,
left [2] - 14:25, 104:10 left-hand [1] - 14:25 Legal [1] - 129:5 legal [11] - 15:12, 30:14, 30:19, 54:12, 73:14, 88:15, 88:26,
left [2] - 14:25, 104:10 left-hand [1] - 14:25 Legal [1] - 129:5 legal [11] - 15:12, 30:14, 30:19, 54:12, 73:14, 88:15, 88:26, 89:1, 89:10, 94:28,
left [2] - 14:25, 104:10 left-hand [1] - 14:25 Legal [1] - 129:5 legal [11] - 15:12, 30:14, 30:19, 54:12, 73:14, 88:15, 88:26, 89:1, 89:10, 94:28, 168:18
left [2] - 14:25, 104:10 left-hand [1] - 14:25 Legal [1] - 129:5 legal [11] - 15:12, 30:14, 30:19, 54:12, 73:14, 88:15, 88:26, 89:1, 89:10, 94:28, 168:18 LEGAL [1] - 3:9
left [2] - 14:25, 104:10 left-hand [1] - 14:25 Legal [1] - 129:5 legal [11] - 15:12, 30:14, 30:19, 54:12, 73:14, 88:15, 88:26, 89:1, 89:10, 94:28, 168:18 LEGAL [1] - 3:9 legality [2] - 129:2,
left [2] - 14:25, 104:10 left-hand [1] - 14:25 Legal [1] - 129:5 legal [11] - 15:12, 30:14, 30:19, 54:12, 73:14, 88:15, 88:26, 89:1, 89:10, 94:28, 168:18 LEGAL [1] - 3:9 legality [2] - 129:2, 131:26
left [2] - 14:25, 104:10 left-hand [1] - 14:25 Legal [1] - 129:5 legal [11] - 15:12, 30:14, 30:19, 54:12, 73:14, 88:15, 88:26, 89:1, 89:10, 94:28, 168:18 LEGAL [1] - 3:9 legality [2] - 129:2, 131:26 legally [4] - 31:16,
left [2] - 14:25, 104:10 left-hand [1] - 14:25 Legal [1] - 129:5 legal [11] - 15:12, 30:14, 30:19, 54:12, 73:14, 88:15, 88:26, 89:1, 89:10, 94:28, 168:18 LEGAL [1] - 3:9 legality [2] - 129:2, 131:26 legally [4] - 31:16, 35:28, 36:1, 53:23
left [2] - 14:25, 104:10 left-hand [1] - 14:25 Legal [1] - 129:5 legal [11] - 15:12, 30:14, 30:19, 54:12, 73:14, 88:15, 88:26, 89:1, 89:10, 94:28, 168:18 LEGAL [1] - 3:9 legality [2] - 129:2, 131:26 legally [4] - 31:16,
left [2] - 14:25, 104:10 left-hand [1] - 14:25 Legal [1] - 129:5 legal [11] - 15:12, 30:14, 30:19, 54:12, 73:14, 88:15, 88:26, 89:1, 89:10, 94:28, 168:18 LEGAL [1] - 3:9 legality [2] - 129:2, 131:26 legally [4] - 31:16, 35:28, 36:1, 53:23 legislation [6] -
left [2] - 14:25, 104:10 left-hand [1] - 14:25 Legal [1] - 129:5 legal [11] - 15:12, 30:14, 30:19, 54:12, 73:14, 88:15, 88:26, 89:1, 89:10, 94:28, 168:18 LEGAL [1] - 3:9 legality [2] - 129:2, 131:26 legally [4] - 31:16, 35:28, 36:1, 53:23 legislation [6] - 12:10, 12:18, 13:20,
left [2] - 14:25, 104:10 left-hand [1] - 14:25 Legal [1] - 129:5 legal [11] - 15:12, 30:14, 30:19, 54:12, 73:14, 88:15, 88:26, 89:1, 89:10, 94:28, 168:18 LEGAL [1] - 3:9 legality [2] - 129:2, 131:26 legally [4] - 31:16, 35:28, 36:1, 53:23 legislation [6] - 12:10, 12:18, 13:20, 13:25, 118:6, 159:12
left [2] - 14:25, 104:10 left-hand [1] - 14:25 Legal [1] - 129:5 legal [11] - 15:12, 30:14, 30:19, 54:12, 73:14, 88:15, 88:26, 89:1, 89:10, 94:28, 168:18 LEGAL [1] - 3:9 legality [2] - 129:2, 131:26 legally [4] - 31:16, 35:28, 36:1, 53:23 legislation [6] - 12:10, 12:18, 13:20, 13:25, 118:6, 159:12 legislative [4] -
left [2] - 14:25, 104:10 left-hand [1] - 14:25 Legal [1] - 129:5 legal [11] - 15:12, 30:14, 30:19, 54:12, 73:14, 88:15, 88:26, 89:1, 89:10, 94:28, 168:18 LEGAL [1] - 3:9 legality [2] - 129:2, 131:26 legally [4] - 31:16, 35:28, 36:1, 53:23 legislation [6] - 12:10, 12:18, 13:20, 13:25, 118:6, 159:12 legislative [4] - 74:13, 112:23,
left [2] - 14:25, 104:10 left-hand [1] - 14:25 Legal [1] - 129:5 legal [11] - 15:12, 30:14, 30:19, 54:12, 73:14, 88:15, 88:26, 89:1, 89:10, 94:28, 168:18 LEGAL [1] - 3:9 legality [2] - 129:2, 131:26 legally [4] - 31:16, 35:28, 36:1, 53:23 legislation [6] - 12:10, 12:18, 13:20, 13:25, 118:6, 159:12 legislative [4] - 74:13, 112:23, 112:24, 129:29
left [2] - 14:25, 104:10 left-hand [1] - 14:25 Legal [1] - 129:5 legal [11] - 15:12, 30:14, 30:19, 54:12, 73:14, 88:15, 88:26, 89:1, 89:10, 94:28, 168:18 LEGAL [1] - 3:9 legality [2] - 129:2, 131:26 legally [4] - 31:16, 35:28, 36:1, 53:23 legislation [6] - 12:10, 12:18, 13:20, 13:25, 118:6, 159:12 legislative [4] - 74:13, 112:23, 112:24, 129:29 legislatures [1] -
left [2] - 14:25, 104:10 left-hand [1] - 14:25 Legal [1] - 129:5 legal [11] - 15:12, 30:14, 30:19, 54:12, 73:14, 88:15, 88:26, 89:1, 89:10, 94:28, 168:18 LEGAL [1] - 3:9 legality [2] - 129:2, 131:26 legally [4] - 31:16, 35:28, 36:1, 53:23 legislation [6] - 12:10, 12:18, 13:20, 13:25, 118:6, 159:12 legislative [4] - 74:13, 112:23, 112:24, 129:29 legislatures [1] - 32:7
left [2] - 14:25, 104:10 left-hand [1] - 14:25 Legal [1] - 129:5 legal [11] - 15:12, 30:14, 30:19, 54:12, 73:14, 88:15, 88:26, 89:1, 89:10, 94:28, 168:18 LEGAL [1] - 3:9 legality [2] - 129:2, 131:26 legally [4] - 31:16, 35:28, 36:1, 53:23 legislation [6] - 12:10, 12:18, 13:20, 13:25, 118:6, 159:12 legislative [4] - 74:13, 112:23, 112:24, 129:29 legislatures [1] - 32:7 legitimate [1] - 7:16
left [2] - 14:25, 104:10 left-hand [1] - 14:25 Legal [1] - 129:5 legal [11] - 15:12, 30:14, 30:19, 54:12, 73:14, 88:15, 88:26, 89:1, 89:10, 94:28, 168:18 LEGAL [1] - 3:9 legality [2] - 129:2, 131:26 legally [4] - 31:16, 35:28, 36:1, 53:23 legislation [6] - 12:10, 12:18, 13:20, 13:25, 118:6, 159:12 legislative [4] - 74:13, 112:23, 112:24, 129:29 legislatures [1] - 32:7
left [2] - 14:25, 104:10 left-hand [1] - 14:25 Legal [1] - 129:5 legal [11] - 15:12, 30:14, 30:19, 54:12, 73:14, 88:15, 88:26, 89:1, 89:10, 94:28, 168:18 LEGAL [1] - 3:9 legality [2] - 129:2, 131:26 legally [4] - 31:16, 35:28, 36:1, 53:23 legislation [6] - 12:10, 12:18, 13:20, 13:25, 118:6, 159:12 legislative [4] - 74:13, 112:23, 112:24, 129:29 legislatures [1] - 32:7 legitimate [1] - 7:16 length [1] - 161:11
left [2] - 14:25, 104:10 left-hand [1] - 14:25 Legal [1] - 129:5 legal [11] - 15:12, 30:14, 30:19, 54:12, 73:14, 88:15, 88:26, 89:1, 89:10, 94:28, 168:18 LEGAL [1] - 3:9 legality [2] - 129:2, 131:26 legally [4] - 31:16, 35:28, 36:1, 53:23 legislation [6] - 12:10, 12:18, 13:20, 13:25, 118:6, 159:12 legislative [4] - 74:13, 112:23, 112:24, 129:29 legislatures [1] - 32:7 legitimate [1] - 7:16 length [1] - 161:11 lengthy [1] - 43:9
left [2] - 14:25, 104:10 left-hand [1] - 14:25 Legal [1] - 129:5 legal [11] - 15:12, 30:14, 30:19, 54:12, 73:14, 88:15, 88:26, 89:1, 89:10, 94:28, 168:18 LEGAL [1] - 3:9 legality [2] - 129:2, 131:26 legally [4] - 31:16, 35:28, 36:1, 53:23 legislation [6] - 12:10, 12:18, 13:20, 13:25, 118:6, 159:12 legislative [4] - 74:13, 112:23, 112:24, 129:29 legislatures [1] - 32:7 legitimate [1] - 7:16 length [1] - 161:11 lengthy [1] - 43:9 less [4] - 9:18,
left [2] - 14:25, 104:10 left-hand [1] - 14:25 Legal [1] - 129:5 legal [11] - 15:12, 30:14, 30:19, 54:12, 73:14, 88:15, 88:26, 89:1, 89:10, 94:28, 168:18 LEGAL [1] - 3:9 legality [2] - 129:2, 131:26 legally [4] - 31:16, 35:28, 36:1, 53:23 legislation [6] - 12:10, 12:18, 13:20, 13:25, 118:6, 159:12 legislative [4] - 74:13, 112:23, 112:24, 129:29 legislatures [1] - 7:16 length [1] - 161:11 lengthy [1] - 43:9 less [4] - 9:18, 169:11, 170:11,
left [2] - 14:25, 104:10 left-hand [1] - 14:25 Legal [1] - 129:5 legal [11] - 15:12, 30:14, 30:19, 54:12, 73:14, 88:15, 88:26, 89:1, 89:10, 94:28, 168:18 LEGAL [1] - 3:9 legality [2] - 129:2, 131:26 legally [4] - 31:16, 35:28, 36:1, 53:23 legislation [6] - 12:10, 12:18, 13:20, 13:25, 118:6, 159:12 legislative [4] - 74:13, 112:23, 112:24, 129:29 legislatures [1] - 32:7 legitimate [1] - 7:16 length [1] - 161:11 lengthy [1] - 43:9 less [4] - 9:18,

letter [20] - 71:26,

72:14, 79:1, 79:3,
79:5, 79:8, 79:19,
79:20, 87:22, 88:6,
88:28, 92:28, 93:6,
94:20, 94:21, 95:12,
95:17, 95:19, 96:9
letting [1] - 82:23
level [9] - 49:28,
49:29, 58:6, 63:19,
92:9, 93:1, 113:17,
134:27, 164:19
lever [2] - 79:11, 79:13
Lewis [2] - 137:14,
138:10
liability [13] - 16:26, 105:1, 105:4, 105:9,
135:26, 135:27,
136:2, 136:9, 150:25,
151:12, 151:19,
152:4, 152:6
liable [13] - 134:1,
135:11, 145:20,
145:22, 148:1,
149:25, 150:7, 150:14, 150:17,
150:14, 150:17,
150:29, 151:7,
151:10, 152:14
liberties [1] - 88:18
light [9] - 25:19,
49:12, 62:20, 125:29,
130:24, 159:13,
159:18, 159:20,
167:23 lighting [1] - 127:8
likelihood [4] -
14:12, 14:18, 15:15,
132:9
likelihood' [1] -
61:13
likely [12] - 8:8,
12:29, 66:17, 66:24,
70:2, 77:28, 95:25,
102:27. 103:13.
116:22, 123:27,
168:24
limit [2] - 174:10,
176:10
limitation [3] -
104:26, 105:8, 105:10
limited [3] - 22:4,
93:21, 129:18
umiting (4) _ 1 /5:0
limiting [1] - 175:9
limits [1] - 58:23
limits [1] - 58:23 line [4] - 52:29,
limits [1] - 58:23 line [4] - 52:29, 94:16, 99:20, 133:25
limits [1] - 58:23 line [4] - 52:29, 94:16, 99:20, 133:25 lines [1] - 7:23
limits [1] - 58:23 line [4] - 52:29, 94:16, 99:20, 133:25

148:20

list [2] - 102:28,
103:2
listed [4] - 16:21,
111:4, 112:9, 112:20
literally [1] - 66:5
litigant [1] - 172:4
litigants [1] - 120:13
litigated [1] - 111:3
litigation [12] - 57:9,
57:14, 58:3, 58:5,
80:5, 80:11, 80:13,
80:16, 81:8, 90:5,
90:8, 157:12
litigator [2] - 90:1,
90:4
litigators [1] - 166:12
Litt [7] - 87:22,
87:23, 88:2, 94:20,
94:21, 95:11, 96:9
loaned [1] - 3:23
locate [1] - 82:20
located [3] - 129:17,
168:22, 168:28
locus [1] - 51:23
logical [2] - 7:7, 25:4
look [106] - 7:28,
14:8, 17:15, 19:1,
25:20, 27:27, 29:19,
35:19, 36:12, 37:17,
37:27, 38:3, 38:4,
39:8, 41:28, 42:5,
45:26, 58:9, 60:21, 63:27, 66:17, 72:8,
73:10, 75:8, 75:14,
75:17, 80:22, 81:22,
82:15, 84:1, 85:25,
85:27, 85:28, 86:8,
86:16, 86:23, 87:21,
88:7, 91:17, 92:6,
92:10, 92:14, 92:19,
93:13. 94:2. 94:13.
93:13, 94:2, 94:13, 94:26, 95:23, 95:29,
96:26, 97:11, 97:29,
99:13, 100:15,
100:18, 105:19,
106:7, 106:8, 106:29,
107:1, 107:11,
109:17, 109:21,
110:15, 114:11,
115:13, 116:17,
118:4, 118:12,
118:17, 121:10,
122:12, 122:25,
126:8, 128:18, 129:4,
132:12, 133:14,
136:3, 137:13,
143:28, 145:9,
145:14, 145:16, 148:17, 154:14, 155:13, 156:11,
148:17, 154:14,
155:13. 156:11.

156:12, 156:13,
156:16, 157:29,
162:15, 162:23,
163:14, 163:19,
163:21, 163:24,
163:21, 163:24, 163:25, 165:25,
167:27, 168:2,
168:15, 170:2,
170:15, 171:24
looked [20] - 32:24,
35:25, 37:20, 73:6,
87:8, 87:9, 87:15,
89:9, 92:12, 111:2,
135:28, 137:5, 146:27, 146:28,
146.27, 146.26, 147:2, 147:13,
147.2, 147.13, 152:17, 157:23,
170:24
looking [35] - 5:15,
5:22, 29:3, 29:19,
30:8, 57:11, 58:18,
63:7, 73:3, 74:22,
74:25, 77:15, 78:16,
81:20, 83:14, 83:22,
84:6, 87:16, 87:27,
88:29, 89:4, 91:10,
94:8, 96:4, 97:7,
102:17, 113:9,
113:19, 115:8, 116:6,
118:6, 132:3, 160:16,
162:6, 170:9
looks [6] - 69:2,
86:11, 98:5, 107:5,
132:3, 167:17
loose [1] - 126:10
Loretta [1] - 144:20
lose [1] - 175:22
losing [1] - 175:24
loss [1] - 28:26
lost [1] - 115:1
Love [3] - 143:18,
143:20
lower [7] - 10:26,
11:1, 25:6, 60:14, 62:7, 62:19, 105:6
Lower [1] - 60:29
LOWER [1] - 3:9
Ltd [1] - 85:6
LTD [1] - 1:12
LUNCH [2] - 4:10,
85:1
lunch [5] - 82:20,
83:5, 86:6, 86:24,
88:25
LUNCHEON [1] -
84:20
Lynch [1] - 144:20

made' [1] - 43:29 mail [6] - 8:6, 9:10, 127:23, 129:15, 168:20, 168:26 mails [5] - 8:28, 9:2, 53:19, 129:18, 129:21 main [8] - 57:18, 57:22, 67:20, 71:14, 93:5, 93:8, 117:4, 154:22 maintain [1] - 50:8 majority [5] - 15:3, 15:9, 15:17, 15:20, 98:24 malicious [1] - 115:4 Malone [3] - 1:21, 3:22, 3:24 **MALONE** [1] - 1:31 man [2] - 18:20, 25:25 manner [2] - 3:23, 23:13 mantle [1] - 33:17 marked [1] - 35:25 marked-up [1] -35:25 market [4] - 26:26, 98:9, 98:23, 98:24 MASON [1] - 2:12 material [26] - 23:25, 77:11, 77:13, 78:3, 82:18, 83:3, 83:8, 83:10, 83:19, 83:29, 84:3, 84:7, 85:21, 87:7, 96:26, 96:28, 96:29, 98:29, 106:21, 115:6, 116:22, 116:29, 117:8, 117:24, 129:28, 130:23 materialise [1] -47:21 materially [1] -158:15 materials [15] - 17:5, 71:20, 71:24, 72:13, 79:2, 79:4, 79:6, 83:27, 86:22, 86:29, 95:14, 98:10, 106:9, 106:13, 110:1 matter [15] - 18:7, 25:4, 31:25, 36:22, 71:1, 71:7, 88:29, 95:18, 98:19, 150:16, 150:17, 150:24, 151:17, 151:19,

158:20

mattered [1] - 157:23 members [2] - 15:8, matters [4] - 31:14, 42:25 72:27, 102:3, 150:12 memo [9] - 59:9, MAURICE [1] - 2:26 60:19, 63:6, 65:18, 103:5, 119:4, 135:26, **Maximilian** [2] - 5:6, 85.6 165:23 MAXIMILLIAN [1] memorandum [14] -56:17, 56:19, 59:4, 1.14 59:6, 59:12, 59:14, maximum [3] -59:19, 63:16, 64:19, 16:25, 18:2, 176:15 64:29, 66:12, 66:16, McCANN [1] - 2:22 67:1, 121:17 McCULLOUGH [1] memory [1] - 110:11 McDonald [1] - 44:23 mention [1] - 118:15 mentioned [4] -McGovern [1] -118:13, 118:16, 177:9 124:2, 167:13 mean [52] - 10:5, 14:1, 17:23, 21:4, mere [3] - 22:8, 47:8, 51:8 22:2, 52:16, 73:2, merely [2] - 36:2, 73:3, 77:15, 83:22, 51:3 86:25, 89:22, 89:29, merits [2] - 49:22, 90:7, 90:19, 92:2, 120:22 92:16, 98:13, 98:25, 100:21, 102:22, meta [1] - 164:27 104:15, 105:5, 113:7, meta-data [1] -115:10, 122:5, 164.27 126:27, 128:19, metadata [1] - 5:24 133:4, 135:24, Meza [2] - 39:11, 140:25, 141:25, 39:19 143:4, 144:14, Michael [1] - 176:20 149:29, 150:1, 150:2, MICHAEL [2] - 2:5, 150:19, 159:3, 161:16, 164:19, Michigan [1] - 41:29 164:20, 164:22, middle [4] - 33:18, 165:10, 165:23, 63:27, 67:1, 165:29 169:8, 169:13, 170:1, midway [1] - 23:4 173:6, 173:16, 175:18 might [26] - 5:20, meaning [5] - 7:3, 6:11, 8:22, 9:27, 7:14, 7:16, 31:15, 10:15, 22:24, 22:28, 23:22, 27:3, 37:18, meaningful [1] - 9:27 37:19, 70:3, 75:3, means [16] - 6:6, 84:14, 99:3, 105:19, 32:13, 41:12, 50:24, 117:2, 118:4, 135:7, 50:25, 51:6, 68:7, 154:24, 156:16, 68:8, 102:5, 104:29, 157:14, 158:17, 131:23, 133:29, 169:16 170:11 151:3, 151:6, 167:24, might've [4] - 81:10, 173:14 81:11, 158:20, 170:7 meant [3] - 70:6, millions [1] - 48:2 142:12, 156:29 mind [6] - 23:26, mechanism [2] -27:8, 35:28, 45:7, 11:26, 12:16 142:29, 149:20 media [1] - 168:18 minimisation [1] medium [1] - 129:3 128:12 meet [1] - 92:8 minimization [4] meeting [5] - 23:12, 11:18, 115:21, 71:6, 131:14, 134:13, 115:26, 116:2 145.9 minimum [2] - 15:16, meets [1] - 39:27 50:29 member [1] - 88:4 minority [4] - 11:6,

14:9. 14:11. 14:14 minute [1] - 146:5 misconstrued [1] -54:1 misinformation [2] -26:14, 26:24 misled [1] - 40:6 misplaced [1] -28:27 misread [1] - 46:7 misrepresenting [1] - 51:29 missed [1] - 130:3 mistake [2] - 38:16, 105:1 mistaken [1] -148.19 misunderstanding [1] - 46:20 misuse [1] - 61:9 misused [1] - 61:3 misused' [1] - 47:19 mitigate [1] - 48:3 Mohammed [1] -126:17 Mohamud [9] -126:18, 127:3, 127:27, 128:9, 129:16, 129:18, 129:20, 130:14, 131:29 Mohamud's [2] -127:14, 129:13 Mohamud's [2] -127:23, 128:13 moment [5] - 19:19, 81:20, 86:20, 96:7, 96.14 moments [2] - 18:21, 138:26 Monday [23] - 5:14, 6:1, 6:10, 6:15, 8:29, 10:7, 10:28, 13:7, 13:9, 15:26, 25:15, 27:10, 27:28, 31:28, 34:15, 45:7, 49:28, 50:1, 50:7, 51:14, 52:24, 53:18, 174:25 money [1] - 146:23 monitored [9] -65:10, 65:14, 66:7, 119:24, 120:7, 121:6, 158:11, 160:21, 164:1 monitored' [1] -65:26 monitoring [10] -48:26, 63:13, 65:3,

month [2] - 37:9, 44:24 months [5] - 158:8, 158:16, 158:21, 160:12, 160:18 months/a [1] -161:10 Moody [2] - 37:28, 38.5 mootness [1] -113:29 moreover [1] - 55:7 morning [4] -163:28, 164:4, 168:11, 174:20 Morrison [1] - 56:24 most [14] - 12:29, 17:16, 19:13, 66:17, 77:28, 83:25, 95:25, 97:16, 97:17, 102:27, 103:13, 118:23, 126:23 motion [14] - 42:22, 61:10, 63:19, 64:2, 125:1, 127:14, 159:27, 161:26, 161:29, 162:3, 162:12, 162:16, 162:24, 162:25 motions [1] - 161:27 motives [1] - 14:17 mount [1] - 44:26 move [8] - 30:25, 33:1, 33:2, 33:5, 68:6, 97:21, 144:24, 163:20 moving [2] - 106:12, MR [69] - 2:5, 2:5, 2:7, 2:10, 2:11, 2:16, 2:16, 2:17, 2:26, 3:1, 3:7, 4:5, 4:6, 4:8, 5:7, 5:11, 7:18, 19:1, 19:6, 19:8, 20:4, 20:7, 20:11, 20:17, 20:20, 29:3, 29:7, 29:10, 29:12, 29:14, 29:16, 29:18, 29:22, 29:24, 33:9, 33:11, 35:7, 35:9, 39:13, 39:17, 46:23, 51:26, 52:1, 52:8, 52:12, 52:27, 55:23, 55:29, 56:3, 56:4, 56:6, 56:10, 56:12, 65:24, 70:16, 70:19, 87:17, 142:11, 174:20, 174:25, 174:28, 175:7, 175:11, 175:19, 175:25, 176:17,

monitors [1] - 124:3

176:21, 177:11, 177:16 MS [108] - 1:17, 2:6, 2:11, 2:21, 2:21, 2:27, 3:2, 3:8, 4:9, 7:4, 19:4, 19:7, 20:3, 20:5, 20:8, 20:14, 20:19, 29:2, 29:5, 29:17, 29:21, 29:23, 39:12, 39:16, 46:22, 52:22, 55:24, 55:27, 56:8, 56:11, 65:4, 65:11, 70:6, 70:10, 70:19, 70:21, 75:10, 75:11, 84:14, 84:16, 84:17, 85:3, 85:7, 85:8, 87:21, 92:15, 92:18, 99:8, 99:12, 101:29, 102:6, 102:7, 102:9, 102:10, 102:12, 106:9, 106:11, 106:16, 106:17, 106:18, 106:20, 106:25, 107:16, 107:17, 107:18, 107:20, 107:23, 107:25, 107:27, 107:28, 107:29, 108:2, 133:16, 133:17, 142:6, 142:10, 142:12, 145:26, 146:1, 146:4, 173:25, 173:27, 174:4. 174:5. 174:8. 174:9, 174:16, 174:17, 174:27, 175:9, 175:17, 175:23, 175:27, 176:1, 176:4, 176:5, 176:8, 176:11, 176:19, 176:22, 176:24, 176:27, 176:29, 177:3, 177:6, 177:7, 177:13, 177:14 multi [2] - 88:15, 90:26 multi-layered [2] -88:15, 90:26 multiple [3] - 9:22, 19:17, 34:12 murky [1] - 19:24 MURRAY [43] - 2:5, 4:5, 4:8, 5:7, 5:11, 7:18, 19:1, 19:6, 19:8, 20:4, 20:7, 20:11, 20:17, 20:20, 29:3, 29:7, 29:12, 29:16, 29:18, 29:22, 29:24, 33:11, 35:9, 39:13,

39:17, 46:23, 52:1,

65:21, 67:24, 68:13,

69:2, 120:4, 120:27,

129:14

Ν

NACDL [3] - 123:10, 123:15, 123:18 name [6] - 37:23, 38:9, 38:19, 45:6, 45:7, 45:13 named [1] - 1:26 narrow [3] - 8:23, 55:12, 60:20 narrower [3] -132:14, 133:6, 135:13 narrowing [2] -60:12, 60:16 National [2] - 87:24, 121.19 national [25] - 52:4, 56:27, 88:21, 89:23, 89:24, 89:28, 90:5, 90:10, 90:12, 90:19, 90:22, 90:28, 93:19, 97:12, 101:21, 114:21, 127:22, 129:17, 129:19, 143:2, 157:3, 166:29, 167:25, 172:22 national's [1] -127:26 National's [1] -129:24 national's [1] nature [1] - 91:19 near [2] - 92:19, 163:15 nearly [1] - 19:28 necessarily [10] -7:15, 9:28, 10:7, 25:5, 53:27, 120:26, 120:29, 132:27, 160:28. 161:15 necessary [4] - 7:12, 41:21, 76:1, 89:17

necessity [2] 25:24, 32:27
need [13] - 14:28,
22:13, 24:18, 36:10,
47:4, 52:14, 96:9,
127:10, 128:16,
155:9, 160:26, 165:8,
166:23
needed [2] - 68:3,
109:8
needs [5] - 23:12,

52:19, 53:22, 96:13, 126:23 **negative** [5] - 69:28, 70:7, 112:13, 114:22, 173:22

negligence [3] -105:4, 105:5, 105:9 negligent [1] - 10:15 negotiations [1] -88:11 NESSA [1] - 3:2

net [3] - 78:12, 155:29, 156:22 neutral [1] - 73:15 never [9] - 25:11, 53:5, 66:1, 103:9, 111:9, 111:12, 167:2, 167:3, 173:23 new [7] - 10:23, 32:10, 46:7, 123:10

new [/] - 10.25, 32:10, 46:7, 123:10 newer [1] - 53:21 next [17] - 7:26, 14:25, 20:9, 20:20, 26:10, 26:17, 41:26, 48:5, 48:18, 55:29, 66:13, 94:26, 130:7, 147:18, 148:10, 153:24, 174:14 NIAMH [1] - 2:11

NIAMH [1] - 2:11 Nickelodeon [8] -10:9, 27:9, 28:3, 28:4, 35:22, 37:22, 50:17, 51:8 nine [6] - 48:20,

123:6, 144:29, 145:27, 146:12, 155:15 nineteenth [1] -

33:18 **Ninth** [16] - 19:26, 28:29, 31:2, 37:9, 61:1, 61:5, 61:21, 62:3, 133:27, 135:29, 136:10, 136:12, 137:10, 139:4, 139:12, 139:13

nitpick [1] - 105:14 **noise** [1] - 16:6 **non** [8] - 7:22, 13:10, 32:2, 73:15, 83:8, 102:19, 116:2, 145:21 non-compliance [1] - 116:2 non-disclosure [1] -83:8

non-exclusive [1] -

102:19 non-factual [1] -73:15 non-technical [1] -

7:22 **non-United** [2] -32:2, 145:21

non-US [1] - 13:10 None [1] - 129:20 normal [1] - 84:6 normally [1] - 134:10

NORTH [2] - 3:3, 3:4 Northern [2] - 67:10, 136:12

northern [1] - 139:14 note [29] - 18:19, 18:25, 19:2, 19:4, 19:9, 49:19, 54:9, 63:18, 66:29, 67:1, 73:12, 77:26, 85:19, 116:17, 116:20,

116:25, 116:27, 124:1, 128:17, 128:18, 128:24, 150:14, 152:3, 153:7, 153:9, 166:6, 170:14,

170:25, 170:26 **noted** [6] - 31:6, 36:16, 42:12, 63:26, 127:21, 166:24 **notes** [3] - 1:25,

171:1, 171:5
nothing [2] - 113:14,
141:15

notice [17] - 9:25, 17:4, 40:14, 51:20, 53:3, 53:8, 53:15, 111:6, 119:24, 120:1, 121:4, 123:11, 130:27, 131:7, 132:7,

132:9, 164:8 notification [3] -91:1, 158:26, 165:16 notify [2] - 108:25, 109:10

notwithstanding [2] - 18:16, 109:23 novel [1] - 46:12 nowhere [1] - 136:5 NSA [6] - 67:25,

104:10, 115:4, 121:11, 142:28, 143:8 number [24] - 6:1,

11, 142:28, 143:8 69:27, 73:12, 76:22 11, 142:28, 143:8 77:15, 78:5, 78:13,

15:25, 34:15, 34:22, 35:3, 35:11, 43:22, 56:28, 57:20, 59:25, 81:22, 93:17, 104:24, 119:20, 119:23, 120:15, 129:18, 136:20, 155:18, 155:19, 158:25, 158:27, 158:29, 166:1 numbering [1] - 106:15 numbers [4] - 34:19, 86:17, 106:26, 106:27

0

o'clock [4] - 84:13, 84:17, 163:16, 173:25 O'Dwyer [3] - 75:12, 82:10, 85:11 O'DWYER [1] - 3:7 O'Dwyer's [2] - 75:1, 81:19 O'SULLIVAN [1] -2:17

Obama [2] - 136:13, 162:16 object [1] - 51:26 objective [1] -

104:21 objectively [1] - 15:15 obligation [1] -

165:22 **obligations** [4] - 16:29, 132:8, 154:20, 166:19

observation [1] -40:28 observations [1] -15:7

observe [1] - 64:13 observed [1] - 5:25 observes [2] - 25:28, 26:20 obstacles [1] - 54:7

obtain [6] - 11:12, 11:16, 42:21, 129:19, 146:15, 158:4 obtained [4] -118:22, 118:26,

171:27, 172:3 **obtaining** [2] - 40:13, 131:23 **obvious** [1] - 159:6 **obviously** [36] - 60:4,

60:5, 60:7, 69:10, 69:27, 73:12, 76:22, 78:27, 83:25, 100:24,

occur[4] - 8:17, 79:29, 80:9, 80:20 occur.. [1] - 61:13 occurred [5] - 16:4, 16:9, 157:15, 165:4, 165:5

occurring [2] -65:22, 132:10 occurs [1] - 65:26

October [2] - 38:8, 81:15

OF [1] - 2:21 **offence** [2] - 118:9, 127:10

offer [13] - 27:6, 48:25, 89:3, 89:13, 91:5, 91:13, 91:21, 97:18, 132:16, 133:11, 133:12, 134:24, 143:4

offered [1] - 91:6 **offering** [2] - 48:28, 101:25

Office [3] - 75:13, 81:28, 151:6 office [6] - 41:6, 87:23, 97:5, 121:6, 141:9, 165:26 officer [6] - 108:16,

108:22, 138:18, 139:7, 142:17, 144:7 **officers** [7] - 135:22, 138:11, 138:12

138:11, 138:12, 138:15, 140:6, 140:7, 145:4 offices [3] - 26:6,

56:28, 57:1
 official [13] - 134:20,
135:4, 136:15,
136:24, 136:25,

137:11, 138:15, 139:17, 141:24, 143:13, 151:20,

154:26 **officially** [1] - 123:22

officials [14] - 94:29,	online [2] - 28:23,	36:10, 41:22, 47:21,	P	47:2, 48:5, 63:27,
137:11, 137:20,	29:27	62:10, 88:18, 115:6,		- 67:1, 72:5, 72:6,
145:23, 150:10,	onwards [1] - 94:6	152:18, 158:4, 165:7,	PAGE [1] - 4:2	72:22, 75:15, 75:16, 75:18, 75:27, 78:20,
150:14, 150:16,	open [5] - 19:9,	175:28, 176:6 orders [2] - 122:16,	page [122] - 5:23,	
150:27, 150:28,	99:21, 100:8, 100:29,	• •	8:3, 11:5, 11:8, 14:11,	81:23, 81:24, 83:1,
151:7, 151:12, 152:11, 152:12	125:2	122:17	14:13, 14:25, 16:21,	85:9, 85:13, 85:16,
152:11, 152:13,	opened [1] - 59:20	ordinarily [1] - 22:17	19:20, 20:6, 20:7,	88:8, 90:25, 94:26,
155:28	operate [6] - 13:21,	ordinary [1] - 89:16	20:9, 20:12, 20:20,	96:17, 109:22, 115:15, 115:16,
often [3] - 17:8,	13:22, 133:28, 139:3,	Oregon [1] - 127:9	23:4, 24:5, 24:6,	116:10, 116:12,
50:28, 159:8	152:7, 157:21	organisations [1] -	25:20, 26:17, 28:18,	116:18, 127:13,
Ohio [1] - 40:4	operated [1] - 88:27	168:18	28:19, 29:1, 29:16,	127:18, 131:18,
old [2] - 16:12,	operation [1] - 88:12	organisation's [1] -	29:20, 30:26, 36:14,	142:14, 145:16,
125:16	operational [1] -	48:25	39:8, 39:9, 39:13,	146:24, 147:9,
omnipresent [1] -	68:19	organizations [1] -	39:14, 42:5, 43:11,	147:19, 147:20,
54:6	operations [1] -	48:28	44:12, 44:13, 44:14,	147:21, 147:23,
ON [2] - 1:18, 5:1	101:16	organizations' [1] -	45:28, 46:26, 47:1,	147:25, 148:10,
once [4] - 33:1, 33:5,	operative [2] -	168:28	47:15, 48:17, 48:20,	149:8, 152:9, 152:22,
56:12, 165:17	114:20, 115:9	origin [1] - 53:21	52:28, 60:24, 60:26,	152:29, 153:5,
Once [1] - 75:21	operatives [1] -	original [2] - 63:16,	63:27, 64:7, 66:29,	153:11, 155:24,
ONE [1] - 2:23	115:4	65:18	75:18, 82:27, 82:29,	155:25, 155:29,
one [98] - 7:14, 7:15,	opine [4] - 89:20,	Osman [1] - 126:18	83:1, 86:10, 86:16,	156:1, 168:8, 170:29
8:22, 9:21, 9:23, 10:4,	91:18, 95:27, 119:3	otherwise [4] -	86:17, 87:25, 92:19,	paragraphs [4] -
10:9, 10:18, 12:5,	opined [2] - 89:21,	11:21, 17:29, 101:2,	92:20, 92:21, 94:5,	22:10, 29:15, 104:24,
12:19, 15:11, 16:17, 18:27, 20:15, 20:25,	160:8	140:9	94:6, 94:9, 95:6, 95:7,	153:20
22:14, 26:21, 29:8,	opining [1] - 94:25	ought [1] - 36:19	95:8, 95:13, 99:13,	pardon [7] - 86:16,
32:5, 32:18, 33:27,	opinion [41] - 6:18,	outcome [1] - 78:13	99:29, 100:3, 100:4,	94:18, 122:28, 146:1,
36:1, 36:3, 37:6,	15:13, 16:22, 19:13,	outline [2] - 57:19,	100:5, 100:6, 101:8,	154:16, 154:26,
38:10, 42:11, 44:16,	25:21, 25:28, 31:25,	62:24	101:10, 102:18,	159:27
44:20, 46:29, 49:3,	31:26, 33:6, 55:3, 55:15, 68:12, 68:17,	outlined [2] - 58:15, 60:24	104:3, 107:5, 107:18,	part [30] - 9:21,
53:22, 53:25, 56:14,	76:27, 76:28, 77:20,	outside [7] - 7:14,	114:18, 115:14,	25:21, 25:24, 55:18,
57:22, 57:25, 58:4,	77:23, 87:7, 89:3,		116:17, 118:16,	62:2, 76:10, 92:10,
60:23, 62:29, 63:15,	89:5, 89:13, 90:28,	33:1, 33:5, 92:16, 101:15, 128:8, 152:21	121:16, 122:25,	92:29, 97:24, 97:25,
64:12, 65:20, 65:22,	91:5, 91:6, 91:14,	overall [1] - 88:17	124:16, 127:18,	98:21, 111:12, 115:1,
67:20, 69:28, 70:1,	91:22, 110:15,	overextension [1] -	128:29, 129:7, 129:9,	115:2, 117:22,
71:15, 72:7, 73:19,	111:11, 114:11,	46:23	130:5, 130:7, 130:11,	125:10, 125:19,
75:5, 75:9, 84:13,	121:17, 128:20,	overextension" [1] -	131:10, 131:15,	125:20, 128:20,
85:25, 91:10, 91:14,	128:25, 128:27,	46:22	131:16, 133:15,	130:24, 133:1, 133:4,
94:15, 94:19, 95:5,	128:29, 133:11,	overqualified [1] -	133:21, 133:22,	154:28, 156:12,
95:24, 99:9, 99:10,	134:24, 143:5,	27:2	144:29, 145:27,	160:11, 160:22,
100:5, 100:14, 102:4,	145:28, 151:4,	overseas [4] - 122:6,	145:29, 146:12,	163:21
109:19, 109:20,	173:16, 173:17	127:22, 127:25,	155:15, 163:26,	partial [2] - 25:17,
110:12, 113:8, 115:4,	opinions [11] - 26:5,	129:17	163:27, 168:5, 168:6,	111:15
117:8, 123:12,	67:23, 71:13, 89:24,	Overseas [1] -	170:28, 170:29, 172:9	particular [21] - 5:22,
124:27, 125:26,	89:25, 97:18, 101:25,	129:24	pages [4] - 79:10, 81:22, 107:4, 137:14	6:1, 8:22, 35:27,
128:29, 129:2, 132:1,	102:7, 132:16,	oversight [14] -	paginated [1] - 20:11	37:11, 39:5, 41:16,
134:20, 135:2,	132:18, 170:1	73:24, 88:16, 90:2,	pagination [1] -	47:24, 49:8, 50:28,
142:28, 145:3,	opportunity [9] -	90:26, 91:4, 91:7,	107:25	95:20, 110:21,
152:23, 152:25,	27:27, 35:23, 37:13,	91:11, 92:6, 92:10,	paint [1] - 74:13	110:23, 111:7,
155:18, 156:1,	64:26, 76:11, 80:29,	92:12, 119:2, 119:3,	panel [7] - 127:13,	114:18, 122:24,
156:15, 156:22,	166:7, 171:28, 172:12	122:19, 122:21	127:21, 127:24,	130:18, 133:2,
159:1, 159:2, 159:6,	oppose [1] - 169:2	overtly [1] - 15:17	127:29, 128:1, 128:8,	152:22, 165:24, 170:14
159:8, 161:26,	opposed [2] - 78:24,	overturned [2] -	128:10	
161:27, 164:15,	151:20	70:8, 70:9	panels [1] - 45:15	particularised [4] -
166:12, 167:8,	opposite [3] - 70:4,	overview [1] -	paners [1] - 43.13	8:9, 25:25, 50:13, 62:10
167:15, 172:14	111:24, 163:2	102:19	paragraph [65] -	particularised' [1] -
one's [2] - 12:29,	optically [2] -	own [9] - 32:25,	5:22, 25:21, 26:10,	26:7
37:19	158:19, 158:24	43:1, 74:5, 75:4,	26:18, 30:25, 36:12,	particularity [2] -
ones [2] - 51:12,	oral [1] - 37:17	93:29, 94:13, 102:4,	39:12, 39:14, 42:5,	105:24, 107:7
145:21	order [12] - 14:29,	123:26, 173:19	43:12, 44:14, 46:1,	100.27, 101.1
			, , , , , , , , , , , , , , , , , , , ,	

particularized' [1] -	96:11, 96:12, 100:14,	PHILIP [1] - 2:7	Plaintiffs' [2] - 48:10,	47:20
26:1	106:12, 109:26,	phonetics [1] - 38:24	48:19	possibilities [1] -
particularly [22] -	114:10, 135:13,	photocopied [1] -	plaintiffs' [8] - 14:20,	47:14
10:20, 11:2, 11:3,	156:16, 156:24,	3:23	28:23, 29:27, 42:17,	possibility [2] -
13:3, 14:2, 14:3,	161:3, 163:24,	phrase [13] - 5:29,	44:25, 46:6, 46:16,	104:17, 140:18
25:10, 34:9, 34:27,	174:21, 175:6,	6:3, 6:4, 6:6, 7:18,	61:28	possible [6] - 11:22,
49:10, 49:12, 54:16,	176:14, 176:18	7:19, 17:8, 31:28,	plausible [1] - 42:24	16:25, 18:3, 138:18,
60:17, 63:4, 63:14,	period [2] - 57:13,	32:4, 35:27, 68:8,	plausibly [1] -	139:6, 160:7
101:26, 132:16,	165:12	87:3	124:22	possibly [2] - 75:17,
132:20, 156:15,	permanent [2] -	physical [4] - 13:12,	play [3] - 110:14,	174:12
164:25, 176:6	12:27, 13:2	34:1, 34:8, 55:14	111:22, 111:27	post [4] - 129:12,
parties [6] - 15:3,	permissible [2] -	picture [2] - 74:13,	plea [1] - 166:18	134:12, 134:29
28:7, 34:13, 62:29,	6:23, 74:14	74:17	plead [1] - 12:28	post-argument [1] -
123:10, 176:12	permission [1] - 3:24	piece [7] - 118:29,	plead' [1] - 47:23	129:12
partner [1] - 56:24	permit [3] - 68:4,	119:1, 122:19,	pleading [7] - 55:1,	posture [1] - 64:12
parts [7] - 75:14,	111:16, 111:22	122:23, 125:19,	63:17, 63:25, 64:24,	potential [9] - 17:24,
93:14, 132:15,	permits [2] - 69:6,	125:22, 125:24	64:27, 64:28, 173:6	34:12, 58:16, 77:25,
133:10, 136:21,	139:11	PISA [1] - 115:19	pleadings [4] -	103:13, 120:13,
149:26, 163:23	permitted [5] -	place [4] - 22:28,	62:27, 76:2, 76:15,	140:26, 141:10, 160:2
party [6] - 3:24,	67:13, 67:15, 149:12,	76:16, 146:28, 160:20	172:2	potentially [3] -
61:16, 128:9, 166:18, 166:19, 171:29	149:22, 150:3 Perrill [1] - 39:24	place' [1] - 158:6	pled [2] - 63:25,	58:21, 138:25, 140:8
pass [1] - 37:25	• •	placed [2] - 116:7,	112:5	power [4] - 21:15,
passage [3] - 8:2,	persist [1] - 172:1 person [32] - 11:21,	117:21	point [50] - 5:21,	22:3, 22:17, 24:14
21:1, 94:4	18:13, 21:6, 21:7,	places [2] - 11:14, 38:25	10:20, 14:18, 15:20, 20:25, 24:29, 36:9,	powers [1] - 24:12
passed [1] - 65:9	78:1, 78:2, 114:24,	placing [2] - 54:7,	41:21, 42:11, 54:2,	practical [2] - 151:11, 161:23
past [4] - 41:9,	115:20, 116:16,	140:15	55:7, 57:12, 58:10,	practically [1] -
132:7, 162:15, 162:24	120:1, 126:21,	plain [2] - 13:8,	65:23, 67:17, 68:29,	49:17
path [1] - 54:7	126:23, 132:29,	21:21	70:1, 71:22, 71:25,	practice [19] - 8:18,
pathology [1] - 47:7	137:24, 137:28,	plainly [1] - 21:20	73:6, 77:8, 78:28,	16:18, 32:13, 51:6,
PAUL [1] - 2:10	138:25, 139:29,	Plaintiff [2] - 5:5,	80:1, 80:4, 80:19,	57:9, 57:16, 57:18,
pause [3] - 166:5,	141:24, 143:9,	85:5	80:22, 82:11, 116:24,	72:9, 98:14, 98:28,
167:26, 169:18	146:18, 147:28,	PLAINTIFF [2] - 1:7,	122:18, 124:27,	119:7, 128:13, 131:3,
pecuniary [2] - 34:1,	148:24, 148:29,	2:5	125:1, 132:25,	151:3, 151:4, 157:3,
55:15	150:12, 151:28,	plaintiff [18] - 16:5,	134:27, 135:5, 138:7,	157:4, 172:29, 173:12
pen [2] - 115:24,	152:4, 152:6, 158:25,	17:6, 17:18, 17:19,	140:10, 140:17,	practices [1] - 10:2
117:15	158:28, 164:22	17:26, 21:5, 34:7,	146:8, 150:11,	practicing [1] - 157:2
penalties [1] - 94:24	person" [1] - 138:2	39:3, 39:20, 40:14,	150:23, 151:1,	pre [5] - 19:9, 30:2,
penalty [1] - 118:21	person's [1] - 127:26	40:15, 61:10, 62:9,	151:26, 151:27,	32:11, 32:18, 33:8
pending [1] - 42:11	Person's [1] - 129:25	63:28, 65:2, 92:5,	166:1, 166:3, 166:9,	pre-2008 [1] - 14:21
people [14] - 17:13,	personal [10] -	162:5, 164:16	167:4, 167:8, 169:17,	pre-existing [2] -
21:20, 22:23, 51:21,	44:27, 47:18, 61:2,	Plaintiff's [2] - 47:4,	172:23	32:18, 33:8
58:8, 78:7, 93:9, 99:1,	64:15, 101:14, 135:6, 136:29, 137:7,	75:23	points [7] - 10:29, 36:6, 52:23, 100:26,	pre-revolutionary [1]
114:23, 119:23,	138:12, 170:1	plaintiff's [5] - 16:8,	147:12, 156:1, 167:8	- 32:11
135:6, 168:23,	personally [1] -	31:3, 43:17, 61:14,	police [2] - 145:13,	preamble [2] - 23:3,
168:26, 170:11	134:11	61:17	151:25	23:7
people's [1] - 19:13 per [5] - 113:19,	personnel [1] - 23:13	plaintiffs [27] - 6:26, 13:17, 15:3, 15:4,	portion [1] - 133:5	preceding [1] - 153:6 precise [3] - 24:17,
136:24, 138:18,	persons [7] - 93:21,	36:17, 13.3, 13.4,	Portland [1] - 127:9	34:19, 112:14
143:15, 174:6	115:25, 115:27,	42:9, 54:8, 60:10,	posed [1] - 114:26	precisely [1] -
perceive [1] - 141:23	117:2, 117:3, 119:16,	63:21, 67:27, 70:13,	position [12] - 52:15,	122:22
perhaps [40] - 8:12,	140:19	120:16, 122:29,	52:20, 54:2, 55:9,	preclude [8] - 69:5,
8:22, 9:26, 10:19,	persons' [1] - 174:10	123:4, 123:6, 123:7,	65:24, 65:28, 66:14,	110:24, 111:2,
13:12, 17:8, 17:28,	perspective [1] -	123:9, 123:17, 124:1,	76:12, 76:17, 132:19,	111:14, 112:11,
30:2, 33:12, 33:25,	131:6	158:15, 160:11,	143:1, 158:16	112:21, 112:25,
33:27, 34:5, 41:12,	persuaded [1] -	160:19, 163:12,	positions [1] - 64:28	113:15
44:20, 51:4, 52:22,	40:19	168:3, 172:18	positive [3] - 17:27,	preclusion [1] -
60:2, 60:23, 62:24,	persuasive [2] -	Plaintiffs [7] - 21:26,	18:8, 155:25	138:15
64:21, 66:13, 68:7,	39:10, 39:18	42:12, 42:23, 43:1,	poss [1] - 140:16	predated [1] - 18:26
70:25, 80:29, 87:3,	phase [1] - 162:18	47:17, 47:22, 47:29	possession [1] -	predict [1] - 175:7

predicted [1] - 170:3 predominantly [1] -66:22 preferred [2] - 15:14, 157:16 prejudice [1] - 115:5 preliminary [2] -42:23, 76:18 prepared [5] - 18:20, 18:27, 27:5, 82:8, 130:29 preparing [2] -24:27, 84:9 prescribed [1] - 37:2 presence [1] - 13:12 present [4] - 8:15, 11:28, 11:29, 23:25 presented [1] - 45:21 presumably [3] -165:17, 166:18, 175:4 presume [3] - 93:8, 98:20, 110:2 presumption [1] -48:27 prevent [2] - 9:8, 146:15 previous [3] - 100:3, 100:4, 147:25 previously [3] -31:17, 82:1, 143:26 primarily [1] - 57:16 primary [1] - 113:21 principle [2] - 30:21, 166:11 principles [3] - 8:19, 16:19, 88:22 PRISM [2] - 124:21, 124.23 privacy [36] - 8:12, 11:18, 19:14, 28:26, 31:27, 33:4, 33:7, 33:17, 33:26, 34:1, 34:5, 35:6, 39:21, 39:26, 40:5, 43:24, 43:25, 50:27, 57:11, 57:12, 57:14, 57:23, 58:3, 58:5, 58:6, 58:7, 58:8. 61:1. 88:18. 89:23, 90:9, 90:20, 90:21, 128:14, 157:4 **PRIVACY** [1] - 3:7 Privacy [20] - 9:8, 46:21, 54:24, 55:13, 59:23, 59:27, 82:3, 83:2, 85:23, 86:9, 88:11, 88:21, 92:29, 93:1, 95:2, 95:3, 95:9, 96:21, 96:26, 100:16 privacy-intrusion [1] - 11:18

privacy.. [1] - 128:10 private [3] - 34:7, 36:19, 89:11 privileged [1] -168:20 probability [2] -14:12, 15:1 probable [5] - 11:23, 12:7, 12:24, 97:17, 101:2 problem [19] - 7:7, 7:10, 7:11, 19:27, 23:3, 41:8, 51:18, 53:2, 53:6, 53:14, 121:4, 130:28, 131:8, 145:10, 148:7, 148:21, 152:10, 160:27 problematic [1] -25:10 problems [1] -152:23 procedural [11] -21:11, 21:17, 22:8, 22:11, 22:13, 26:21, 36:27, 43:4, 64:12, 76:14, 87:19 procedure [2] - 17:4, 109:28 Procedure [3] -64:20, 66:11, 171:3 Procedures [1] -110:14 procedures [11] -11:18, 16:24, 18:2, 18:5, 23:11, 54:17, 77:18, 115:21, 115:26, 116:3, 128:12 proceed [8] - 46:24, 47:12, 59:29, 61:19, 68:24, 75:22, 76:18, 80:26 proceeded [3] -47:27, 62:23, 164:3 proceeding [2] -108:20, 109:7 proceedings [5] -9:13, 51:5, 54:5, 58:25, 62:26

proceeds [1] - 22:6

process [8] - 60:6,

80:7, 80:8, 80:10,

80:16, 81:2, 89:16,

processing [5] -

9:17, 10:2, 33:26,

101:13, 101:15

processer [1] - 9:22

procure [2] - 42:15,

136:3

146:13

procured [2] - 38:12, 38:21 produce [1] - 62:25 produced [2] - 55:2, 83:23 product [1] - 131:14 Prof [73] - 5:8, 5:14, 5:21, 5:29, 10:27, 10:28, 11:4, 13:15, 14:6, 14:8, 15:23, 15:25, 20:21, 20:22, 23:5, 24:22, 25:17, 27:9, 27:16, 27:19, 27:23, 30:17, 33:14, 33:19, 35:21, 37:14, 38:2, 38:5, 39:8, 41:3, 41:14, 45:28, 49:4, 54:6, 55:23, 63:4, 64:8, 64:14, 66:10, 66:27, 67:7, 68:2, 81:12, 81:13, 81:18, 132:17, 134:13, 134:16, 134:22, 134:24, 134:27, 135:1, 135:5, 135:14, 139:22, 142:5, 142:7, 142:8, 142:12, 142:14, 142:24, 143:15, 162:7, 170:13, 170:16, 170:21, 174:29, 175:2, 175:3, 175:12, 175:13 PROF [2] - 4:4, 5:11 professional [1] -136:29 professionals [1] -101:4 Professor [1] - 19:12 programmatic [2] -113:10, 113:17 programme [9] -13:20, 99:19, 99:25, 120:11, 120:26, 121:1, 157:10, 157:13, 160:19 programmes [3] -119:17, 121:24, 131:2 prohibits [1] - 54:25 prolific [1] - 19:16 promptly [1] -108:20 pronunciation [2] -99:5, 99:13 proof [3] - 12:23, 61:24, 63:21 proper [3] - 23:15, 40:14.89:4 properly [1] - 154:19

50:15, 67:8, 91:2, 126:14, 137:18 prosecuted [6] -120:2, 120:7, 123:21, 125:13, 131:6, 165:27 prosecutes [1] -124:28 prosecuting [1] -125:6 prosecution [11] -122:27, 122:29, 125:21, 125:22, 125:26, 126:7, 132:27, 159:24, 159:28, 159:29, 165:20 prosecutions [6] -119:21, 122:24, 125:29, 130:22, 130:27, 131:1 prospect [1] - 175:20 prospective [2] -27:5, 40:12 Prosser [1] - 33:19 protect [1] - 28:26 protected [6] - 8:26, 9:3, 35:28, 36:1, 53:23, 128:13 protecting [1] -128:3 protection [6] - 8:12, 24:12, 32:27, 32:28, 33:2, 34:5 PROTECTION [1] -Protection [6] - 5:5, 58:12, 58:29, 70:24, 72:20, 85:5 protections [4] -31:29, 38:13, 88:17, 88:20 protects [3] - 12:8, 16:12, 55:10 prove [4] - 7:8, 162:5, 162:25, 173:21 proved [1] - 6:27 proven [1] - 7:16 provide [14] - 9:26, 11:6, 19:29, 35:13, 37:6, 48:25, 54:17, 58:14, 63:2, 73:15, 108:26, 115:18, 118:18, 121:7 $\textbf{provided} \ [21] - 28:6,$ 36:16, 36:23, 53:3, 53:14, 59:2, 62:22, 81:1, 81:3, 81:4, 81:7, 82:18, 83:4, 83:9, 83:10, 84:4, 88:12, 88:23, 93:5, 111:6,

117:25 provided' [1] -146:20 provides [6] - 11:26, 93:17, 102:19, 115:22, 117:10, 118:19 providing [5] - 31:12, 31:21, 36:25, 78:2, proving [1] - 46:8 provision [10] - 16:3, 18:17, 21:20, 69:24, 104:27, 109:1, 109:23, 153:22, 154:3, 156:7 provisions [19] -38:22, 40:25, 59:23, 98:12, 108:12, 109:16, 110:23, 112:23, 112:25, 114:28, 115:7, 115:14, 115:22, 115:27, 116:3, 117:10, 130:1, 145:1, 151:18 psychological [4] -34:2, 54:29, 55:3, public [2] - 101:16, 120:12 publication [1] -100.7 publications [1] published [2] -99:28, 135:16 **pull** [1] - 93:11 pure [1] - 160:21 purported [2] - 31:4, 31:10 purporting [1] - 25:1 purports [1] - 21:7 **purpose** [5] - 11:15, 23:10, 52:10, 58:26, purposes [4] - 6:23, 31:8, 42:16, 93:19 pursuant [2] -127:15, 130:9 put [53] - 5:28, 6:15, 8:5, 15:26, 18:19, 18:23, 18:26, 19:8, 26:3, 31:28, 50:1, 50:17, 51:7, 51:17, 51:27, 52:23, 52:28, 53:13, 63:29, 65:24, 65:28, 68:16, 68:21,

74:2. 91:16. 96:11.

110:17, 114:19,

proposition [5] -

117:21, 121:14,
131:29, 135:23,
135:25, 138:23,
138:27, 140:9,
140:10, 140:11,
140:25, 141:29,
147:6, 148:18,
152:20, 156:3,
158:23, 161:24,
171:12, 172:13,
174:7, 177:7
putting [7] - 51:28,
64:24, 96:25, 126:15,
129:1, 147:19, 150:29

Q

Qatar [3] - 98:27, 98:28, 99:4 qualifications [1] qualified [2] - 57:23, 57:24 qualifies [1] - 31:9 qualify [3] - 26:20, 28:24, 29:27 quantify [2] - 142:3, QUAY [2] - 2:24, 3:3 querying [1] - 128:5 questioned [1] -141:14 questioning [1] -141:16 questions [7] -19:28, 24:25, 52:3, 64:3, 70:17, 108:15, 114:4 quickly [1] - 82:20 **QUIGLEY** [1] - 2:18 quite [7] - 14:4, 43:9, 45.11 51.4 77.29 144:25, 145:26 quote [3] - 23:24, 48:16, 114:21 quotes [1] - 26:28

R

raise [5] - 35:17, 64:2, 65:1, 74:27, 108:15 raised [4] - 63:6, 64:18, 64:29, 135:1 raising [3] - 65:23, 145:7, 166:2 range [4] - 8:18, 52:18, 143:5, 165:25 rare [1] - 165:1

rate [2] - 174:5, 176:19 rather [7] - 19:23, 35:24, 35:29, 124:23, 144:7, 172:3, 173:11 **RE** [2] - 4:5, 5:11 re [3] - 52:10, 174:1, 175:5 re-examination [3] -52:10, 174:1, 175:5 RE-EXAMINED [2] -4:5. 5:11 reach [2] - 54:20, 112:19 reached [2] - 43:16, 76.6 reaching [1] - 31:6 react [1] - 173:8 read [33] - 6:25, 11:8, 27:14, 35:12, 35:23, 41:22, 44:8, 45:4, 45:23, 49:27, 60:15, 60:16, 70:11, 77:16, 82:10, 102:24, 109:28, 110:27, 111:11, 111:27, 111:28, 112:27, 120:5, 125:9, 134:24, 153:4, 153:19, 154:12, 155:12, 155:21, 170:17, 171:24, 173:8 read)...concrete [1] -23:29 readily [1] - 23:26 reading [10] - 13:8, 32:2, 49:28, 50:21, 55:12, 55:21, 135:1, 142:22, 176:22 reads [1] - 19:25 real [2] - 62:17, 152:23 realistic [1] - 174:24 reality [1] - 120:23 really [52] - 57:9, 58:16, 62:27, 65:23, 66:16, 66:22, 67:17, 67:18, 67:21, 68:11, 71:14, 71:24, 72:4, 74:2, 78:14, 83:28, 86:25, 87:11, 89:13,

89:19, 91:5, 91:6,

91:13, 95:23, 95:27,

95:28, 97:6, 97:18,

97:19, 98:11, 98:14,

98:15, 98:24, 100:22,

119:7, 119:9, 119:25,

103:12, 111:5,

111:15, 112:19,

130:28, 136:9,

164:13, 165:12, 166:7, 171:28, 172:11 reasonableness [1] -128:7 reasonably [1] -54:17 reasoning [1] - 40:19 reasons [8] - 50:6, 51:12, 54:28, 108:27, 109:11, 115:5, 134:16, 157:24 reassuring [1] receipt [1] - 108:18 receive [1] - 99:25 received [3] - 72:28, 85:20, 123:11 receiving [1] - 32:7 recent [3] - 49:12, 62:7, 121:18 recently [2] - 10:28, reckless [2] - 104:5, 104:12 recognise [3] - 9:2, 33:16, 69:27 recognised [5] - 9:1, 36:2, 51:14, 53:1, 53:10 recognizes [2] -39:10, 39:18 recollection [1] -45:25 recommended [1] -159:11 reconcile [1] - 49:9 record [1] - 52:14 records [3] - 17:16, 54:26, 54:27 recourse [4] - 73:22, 92:14, 94:28 rectification [1] redress [7] - 26:13,

142:20, 143:12,

146:3, 151:26, 162:1,

166:2, 166:10, 169:10

rearrangement [1] -

reason [14] - 21:10,

24:11, 64:28, 69:22,

135:24, 140:25,

152:2, 158:25,

165:18, 169:25

128:1, 130:16,

reasonable [13] -

7:15, 15:15, 16:24,

23:11, 61:12, 64:26,

75:24, 121:8, 134:17,

realm [1] - 139:17

36:17, 60:8, 92:24, 93:14, 93:15, 93:17 Redress [3] - 59:24, 69:24, 70:4 redressability [1] -50:14 reduce [1] - 50:15 reduced [1] - 128:10 reduces [1] - 42:28 refer [11] - 40:23, 44:21, 45:11, 45:13, 58:11, 61:26, 99:19, 101:10, 137:18, 149:28, 171:2 reference [30] - 6:19, 10:27, 27:15, 27:24, 29:13, 32:11, 32:13, 40:28, 51:16, 75:24, 76:8, 76:13, 76:17, 76:25, 77:12, 83:5, 85:16, 95:12, 96:21, 129:6, 129:7, 129:8, 129:9, 129:23, 130:5, 130:8, 154:21, 155:1, 155.4 referenced [1] -60:25 references [1] -105:21 referred [16] - 16:14, 18:21, 19:2, 19:18, 29:18, 37:4, 38:10, 41:26, 43:12, 47:14, 49:3, 49:4, 51:13, 118:4, 145:2, 145:10 referring [7] - 8:22, 32:4, 52:7, 99:3, 123:2, 150:3, 151:18 refers [7] - 23:2. 26:3, 43:22, 54:6, 54:27, 147:3, 170:25 refine [1] - 10:24 reflect [1] - 114:27 reflects [2] - 46:20, 109.14 refresh [1] - 110:11 refreshing [1] -45:25 refused [1] - 122:17 regard [4] - 23:14, 36:12, 95:16, 95:19 regarded [3] - 19:14, 31:12, 31:21 regarding [9] -43:16, 43:25, 63:14, 64:15, 67:5, 69:16, 89:26, 100:8, 128:7 registers [2] -115:24, 117:15 REGISTRAR [2] -

5:4, 85:4 regrettably [1] - 51:4 regulated [1] - 16:26 regulates [1] - 16:13 regulations [2] -67:23, 68:11 regulatory [4] -16:29, 68:18, 68:19, 80:16 rehash [1] - 161:20 reissued [1] - 59:13 reject [1] - 46:16 rejected [5] - 15:17, 28:24, 29:28, 30:7, 104:18 relate [1] - 88:20 related [2] - 47:29, relates [2] - 53:17, 149:4 relation [34] - 5:23, 36:21, 40:25, 41:1, 51:18, 53:10, 66:14, 80:19, 83:2, 83:8, 85:9, 92:17, 94:15, 97:23, 97:26, 100:13, 101:9, 102:2, 104:3, 104:6, 117:17, 118:2, 131:16, 131:17, 133:3, 147:13, 147:21, 148:15, 156:15, 156:19, 173:18, 173:28, 175:27, 176:10 relationship [6] -31:11, 31:20, 31:26, 33:24, 33:27, 34:6 relatively [2] - 34:22, 35:3 relevance [7] -23:18, 35:15, 35:17, 64:22, 95:26, 120:8, 139:1 relevancy [1] - 23:15 relevant [25] - 38:13, 39:22, 45:2, 63:15, 70:1, 83:19, 84:3, 84:8, 88:29, 91:24, 94:4, 95:18, 97:17, 103:1, 109:16, 110:19, 112:24, 119:15, 125:4, 125:14, 145:12, 157:27, 157:28, 170:1, 175:12 reliance [4] - 116:7, 117:22, 134:6, 140:15 relied [3] - 98:17, 98:20, 167:19 relief [14] - 12:8,

67:13, 67:14, 93:20,	repeatedly [1] - 6:15	38:21, 38:26, 47:7,	respectful [1] - 52:21	13:15, 14:6, 14:8,
111:2, 111:16,	repeating [1] -	62:28, 66:1, 156:13,	respective [2] - 27:5,	15:23, 15:25, 20:21,
111:22, 112:1, 112:2,	149:20	156:14, 170:17,	47:23	23:5, 25:17, 27:9,
112:4, 113:4, 149:3,	report [107] - 18:1,	175:15	respects [1] - 98:20	30:17, 35:21, 37:14,
149:4, 150:13	•	represent [2] -	• • • • • • • • • • • • • • • • • • • •	38:2, 38:5, 39:8, 41:3,
	18:5, 18:6, 24:27,		respond [1] - 114:29	
relies [1] - 124:29	25:13, 25:14, 27:16,	42:10, 90:15	responded [1] -	45:28, 49:4, 55:23,
relocate [1] - 27:3	27:19, 40:13, 41:8,	representations [1] -	81:13	175:16
reluctant [2] - 87:17,	42:15, 42:22, 49:15,	26:25	respondent [1] -	RICHARDS [2] - 4:4,
175:22	49:19, 49:20, 50:8,	representing [1] -	3:24	5:11
rely [2] - 14:10,	54:3, 54:4, 55:7,	123:29	Respondent [1] -	right-hand [10] - 8:3,
138:13	58:15, 59:21, 60:24,	reproduced [1] -	80:28	11:7, 14:13, 28:19,
relying [3] - 60:17,	62:22, 62:23, 62:25,	3:23	respondents [1] -	39:9, 39:14, 44:14,
64:12, 87:6	63:6, 65:19, 66:10,	request [2] - 17:2,	168:25	46:1, 86:17, 107:22
remain [1] - 36:19	66:13, 67:26, 71:12,	129:12	Respondents [2] -	rights [21] - 7:2,
remanded [2] -	77:26, 80:5, 80:13,	requests [1] - 73:29	168:17, 168:22	8:15, 8:16, 12:28,
69:19, 70:15	80:15, 81:7, 81:12,	require [11] - 10:14,	responding [1] -	14:2, 30:14, 33:20,
remediation [1] -	81:13, 81:18, 82:8,	16:23, 23:10, 36:3,	63:5	33:25, 33:26, 40:5,
55:13	93:2, 93:5, 93:8,	46:7, 47:17, 53:25,	response [4] - 24:25,	40:6, 41:2, 61:23,
	93:29, 94:2, 94:3,	55:18, 61:24, 120:11,	• • • • • • • • • • • • • • • • • • • •	117:2, 117:4, 152:25,
remedies [48] -	94:13, 94:22, 95:5,		49:24, 53:4, 80:18	152:26, 153:8,
51:15, 51:18, 52:6,		172:2	responsibility [2] -	
53:1, 53:11, 59:3,	95:18, 102:14,	Required [1] -	77:20, 78:1	155:14, 168:17
67:17, 67:18, 67:19,	115:13, 116:17,	129:24	responsive [1] -	Rights [1] - 159:11
72:9, 73:20, 73:27,	117:22, 119:12,	required [5] - 10:21,	45:10	rise [1] - 153:18
74:3, 74:12, 74:16,	130:12, 131:10,	25:7, 51:3, 76:15,	restrictions [3] -	risk [5] - 23:25,
74:20, 77:25, 89:1,	131:11, 133:5,	127:25	38:25, 91:27, 92:2	44:29, 46:25, 48:24,
89:11, 89:22, 89:26,	133:17, 133:22,			62:12
	134:13, 134:21,	requirement [17] -	rests [1] - 151:19	risk' [2] - 48:9, 48:14
91:10, 91:17, 91:19,		16:27, 18:14, 21:6,	result [8] - 6:27,	,
91:23, 91:24, 91:27,	134:22, 134:24,	21:13, 21:24, 21:27,	25:5, 40:6, 48:1,	risks [1] - 48:3
92:3, 92:14, 93:22,	134:29, 135:1,	21:29, 22:22, 24:11,	64:11, 112:10,	RIVERSIDE [1] -
97:11, 97:16, 104:2,	135:12, 135:21,	25:4, 40:20, 43:3,	123:25, 155:16	2:23
113:20, 116:11,	136:3, 139:19,	54:18, 54:24, 62:11,	resulting [1] - 46:18	road [4] - 64:3,
116:13, 116:18,	139:22, 139:26,	104:25, 132:10	results [1] - 26:21	161:18, 162:23,
116:21, 119:5,	139:28, 140:7, 140:9,	requirements [8] -		164:14
122:23, 146:23,	140:10, 140:11,	16:17, 17:1, 17:3,	resume [1] - 173:27	Robbins [1] - 21:10
152:16, 152:24,	140:14, 140:16,		RESUMED [1] - 5:1	
	140:17, 140:21,	22:24, 22:26, 23:17,	resuming [1] -	Robbins' [1] - 25:25
153:5, 153:18,		25:2, 39:28	174:26	Robert [1] - 87:23
153:19, 155:17	141:20, 141:21,	requires [7] - 21:9,	retained [3] - 70:27,	Robins [8] - 17:25,
remedy [34] - 36:23,	142:1, 142:5, 142:14,	35:10, 50:12, 64:23,	123:27, 126:12	18:11, 26:11, 26:20,
36:26, 36:27, 36:29,	142:22, 144:25,	69:25, 104:19, 168:19	retention [1] - 128:5	26:23, 27:21, 36:21,
37:1, 74:10, 74:15,	147:22, 148:19,	requiring [2] - 7:12,	Reuters [1] - 98:6	36:24
74:18, 89:20, 91:7,	148:27, 155:14,	32:27		Robins' [2] - 25:27,
111:29, 112:2,	156:5, 156:6, 156:12,	research [1] - 93:11	reveal [2] - 131:1,	26:29
113:21, 118:19,	162:9, 163:21,	resident [2] - 12:27,	132:27	
118:25, 118:29,	163:23, 166:6,		revelations [3] -	ROGERSON'S [1] -
	170:13, 170:16,	13:2	121:29, 122:2, 164:24	2:24
125:9, 125:18,	170:21, 172:8, 175:16	residents [2] -	review [10] - 37:13,	role [1] - 21:3
131:20, 141:23,		115:28, 116:1	62:27, 69:6, 73:12,	routes [1] - 160:10
145:15, 147:14,	reporter's [5] -	resisting [1] - 161:27	93:1, 111:5, 112:11,	routinely [1] - 131:4
150:20, 152:19,	170:14, 170:25,	resolve [1] - 25:7	128:8, 130:8, 171:19	RUDDEN [1] - 2:18
153:23, 153:28,	170:26, 171:1, 171:5	resolved [1] - 7:11	reviewed [5] - 37:15,	Rule [22] - 64:19,
154:8, 154:11,	Reporting [10] -	resource [1] - 98:15		64:21, 64:23, 64:29,
154:22, 154:24,	15:28, 16:11, 16:17,	respect [24] - 8:17,	62:29, 63:1, 110:2,	
155:20, 157:15,	16:23, 37:8, 37:11,		139:21	65:23, 163:19, 164:2,
162:1, 162:6	38:23, 38:25, 42:1,	13:13, 24:10, 33:24,	reviewing [3] - 63:4,	165:7, 165:22, 166:2,
remember [7] -	44:11	53:16, 54:15, 54:20,	122:16, 134:12	167:1, 167:3, 167:13,
	reporting [5] - 16:13,	54:22, 55:19, 61:22,	reviews [1] - 58:4	169:6, 169:20,
37:22, 37:23, 78:28,		83:7, 96:26, 105:11,	revolution [2] - 32:5,	169:27, 170:15,
103:7, 103:29, 147:2,	16:15, 16:19, 16:23,	108:17, 114:6, 116:8,	32:17	172:16, 172:21,
147:13	23:11	123:16, 134:6,	revolutionary [1] -	173:5, 173:13, 173:21
remind [1] - 5:28	Reporting' [1] - 23:9	148:22, 153:25,	32:11	rule [4] - 64:23,
remitted [1] - 162:29	reports [13] - 16:25,	153:26, 153:27,		136:17, 144:14,
repeat [1] - 115:1	17:1, 27:25, 38:12,	159:13, 169:6	Richards [25] - 5:8,	171:29
		100.10, 100.0	5:14, 5:21, 5:29, 11:4,	11 1.20

rules [6] - 19:29,
36:28, 37:16, 171:2,
171:6, 171:7
Rules [3] - 64:19,
64:20, 171:3
ruling [6] - 28:18,
37:26, 62:8, 68:16,
76:18, 170:9
rulings [1] - 131:25
run [2] - 53:25,
162:24
running [3] - 99:2,
175:27, 176:6
rushing [1] - 143:8

Sabirhan [1] -123:21 Safe [8] - 99:19, 99:24, 100:7, 100:8, 100:13, 100:16, 100:17, 100:18 safeguards [2] -119:2, 119:3 sake [3] - 81:26, 82:14, 85:19 salary [1] - 27:4 **SAME** [9] - 19:2, 19:3, 20:17, 37:29, 38:1, 97:28, 126:13, 126:14 San [2] - 57:6, 57:7 sanction [2] - 65:19, 167:7 sanctions [2] -118:10, 118:11 sane [1] - 136:28 Sash [2] - 137:14, 138:10 satisfaction [1] - 6:5 satisfied [3] - 40:20, 50:10, 165:17 satisfies [1] - 21:5 satisfy [4] - 15:15, 21:12, 62:11, 167:10 saw [12] - 65:12, 66:19, 67:17, 68:17, 77:24, 103:5, 113:20, 120:15, 135:28, 139:23, 142:28, 167:20 **SC** [10] - 2:5, 2:5, 2:10, 2:11, 2:16, 2:16, 2:21, 2:26, 3:1, 3:7 SCA[5] - 145:20, 149:25, 150:2, 150:8, 154:7

SCC [1] - 78:10

SCCs [2] - 78:15, 78:18 scenario [6] - 42:24, 124:7, 143:7, 164:28, 165:24, 173:8 scenarios [2] -143:5, 164:8 scheme [1] - 74:13 scholar [2] - 19:12, 19.14 school [2] - 19:26, SCHREMS [1] - 1:14 Schrems [12] - 5:6, 72:17, 72:19, 72:28, 73:13, 73:17, 79:23, 79:26, 80:2, 80:18, 80:23, 85:6 Schrems' [1] - 78:21 Schuchardt [4] -63:7, 161:25, 162:2, 164:19 scope [14] - 74:6, 94:24, 101:15, 101:22, 101:26, 113:19, 117:7, 119:9, 128:8, 132:13, 134:25, 135:26, 140:21, 143:9 se [4] - 113:19, 136:24, 138:18, 143:15 **SEAN** [1] - 2:17 search [3] - 17:13, seclusion [1] - 33:5 second [19] - 15:20,

127:29, 130:16 searches [3] - 32:20, 32:26, 32:28 19:20, 20:7, 26:18, 36:9, 39:24, 44:14, 46:1, 47:1, 56:19, 62:23, 64:8, 99:29, 102:24, 116:18, 130:11, 133:1, 156:15, 158:5 Second [15] - 5:16, 15:14, 27:12, 66:28, 68:25, 68:26, 68:27, 69:2, 70:5, 110:7, 110:27, 111:7, 111:20, 111:28, 142:9 second-guess [1] -158:5

secrecy [2] - 89:17,

secret [3] - 65:21,

secrets [2] - 160:4,

166:3, 167:9

166:26

section [17] - 11:7, 11:11, 58:7, 60:27, 66:13, 104:1, 109:26, 110:5, 112:9, 115:18, 117:9, 134:1, 146:29, 147:1, 153:24, 154:6, 155:12 Section [9] - 115:22, 116:2. 123:11. 123:20, 127:16, 129:3, 130:9, 133:27, 153:13 sections [9] -105:18, 105:21, 105:24, 107:8, 110:2, 110:19, 147:4, 147:6, 153:6 secure [1] - 9:18 security [9] - 57:15, 88:21, 90:12, 93:19, 101:16, 101:17, 114:21, 166:29, 167:25 Security [1] - 121:19 see [131] - 20:10, 20:13, 20:15, 24:16, 27:27, 29:10, 30:8, 39:9, 44:11, 44:13, 45:16, 64:22, 71:26, 72:22, 73:11, 75:16, 75:18, 77:8, 77:16, 80:29, 81:21, 81:23, 82:5, 82:27, 84:12, 85:15, 85:17, 85:23, 86:17, 86:18, 87:24, 88:1, 88:6, 88:27, 90:26, 92:20, 92:24, 92:27, 93:14, 94:5, 94:8, 94:9, 94:11, 94:16, 95:9, 95:29, 96:1, 96:17, 96:20, 96:22, 96:24, 98:11, 98:16, 99:15, 99:16, 99:29, 101:10, 102:19. 104:1. 105:17, 106:17, 107:6, 107:7, 107:12, 108:2, 108:4, 109:1, 109:7, 109:24, 112:27, 113:26, 115:13, 116:5, 116:6, 116:28, 117:9, 117.11 117.13 118:7, 118:8, 119:12, 119:14, 120:14, 120:16, 120:18, 121:16, 122:26, 122:29, 123:5, 123:6,

124:16, 125:23, 126:18, 126:24, 127:2, 127:6, 127:11, 129:5, 129:10, 130:5, 133:15, 133:24, 134:3, 135:2, 140:14, 144:3, 144:13, 144:16, 144:24, 146:24, 151:11, 153:10, 155:1, 156:3, 156:7, 158:11, 159:17, 163:15, 168:6, 169:23, 169:26, 172:7, 172:9, 173:25 seeing [1] - 126:29 seek [6] - 36:17, 42:9, 80:21, 93:20, 94:28, 167:7 seeking [5] - 27:2, 52:26, 89:8, 119:16, 123:1 seeks [1] - 26:13 seem [3] - 10:14, 21:18, 170:6 seemingly [1] -21:23 sees [7] - 95:5, 128:29, 129:2, 145:3, 152:23, 161:26, 161:27 seized [2] - 6:26, 6:29 seizure [6] - 5:24, 6:14, 6:19, 8:24, 8:27, 10:3 seizures [1] - 32:29 self [5] - 76:8, 153:22, 154:3, 154:8, 155:19 self-contained [4] -153:22, 154:3, 154:8, 155:19 self-explanatory [1] - 76:8 sells [2] - 17:10, 17:15 sense [8] - 8:20, 74:17, 119:13, 119:26, 130:21, 138:4, 147:27, 157:14 sensible [1] - 175:26 sensitive [2] - 44:27, 168:19 sent [1] - 103:28

sentence [11] -

75:19, 101:11,

102:25, 116:20,

26:11, 36:14, 64:8,

117:9, 117:11, 127:7,

145:17 separate [10] - 26:6, 36:7, 79:2, 79:6, 96:3, 116:10, 147:25, 147:27, 149:24, 151:18 separation [1] -24:12 sequentially [1] series [5] - 16:29, 98:22, 121:18, 143:19 serious [1] - 108:15 seriously [2] - 78:5, 78:8 seriousness [1] serve [1] - 57:27 serves [1] - 104:25 service [1] - 146:20 Services [3] - 1:22, 3:23, 3:24 services [2] - 48:26, 48:28 **SERVICES** [1] - 1:32 **SERWIN** [3] - 4:6, 56:3 70:19 Serwin [37] - 56:1, 56:6, 56:14, 57:4, 59:18, 62:23, 70:16, 70:21, 85:8, 86:3, 86:5, 101:4, 101:20, 102:12, 107:1, 108:3, 110:17, 112:22, 114:12, 126:15, 126:17, 128:16, 129:1, 129:26, 130:20, 133:18, 146:4, 147:19, 149:20, 152:23, 154:2, 154:13, 156:4, 158:23, 161:13, 172:13, 175:16 set [6] - 10:1, 72:6, 74:18, 109:28, 115:14, 166:19 Settlement [1] -42.25 Seventh [1] - 61:9 several [7] - 33:15, 58:4, 60:10, 79:10, 79:11, 79:13, 158:21 shades [1] - 166:1 **shall** [3] - 108:18, 108:24, 108:26 shards [2] - 112:23, 112:28 shedding [1] -130.24 Shield [11] - 82:3,

123:15, 123:24,

124:12, 124:15,

83:2, 85:23, 86:10, 88:11, 88:21, 92:29, 93:1, 96:21, 96:26, 100:17 shifts [1] - 63:21 shine [1] - 125:29 Shoots [3] - 43:16, 43:17, 43:26 short [4] - 37:12, 37:26, 48:13, 49:2 should've [3] - 44:8, 52:2, 59:11 show [7] - 12:2, 35:20, 47:18, 160:25, 160:26, 160:27, 160:28 showing [5] - 11:15, 11:23, 50:12, 61:8, 104:19 side [15] - 8:3, 11:7, 14:13, 14:25, 28:19, 39:9, 39:14, 44:14, 46:1, 58:1, 86:18, 89:20, 90:2, 91:7, 117:16 sided [1] - 19:23 sign [2] - 171:8, 171:13 signals [1] - 88:13 signed [3] - 59:13, 171:10, 173:7 significance [1] -131:20 significant [4] -11:15, 109:19, 109:20, 174:9 signing [1] - 42:20 similar [13] - 28:25, 29:28, 30:7, 30:23, 41:4, 43:15, 44:17, 51:12, 54:21, 90:16, 93:28, 123:3, 124:1 similarity [1] - 14:16 similarly [1] - 44:11 simple [4] - 34:21, 50:16, 136:18, 148:7 simpler [1] - 74:3 simply [11] - 51:24, 66:6, 66:7, 77:27, 79:1, 95:24, 133:11, 135:10. 154:10. 166:10, 170:10 single [3] - 164:15, 167:15, 172:14 **SIR** [1] - 2:23 sister [1] - 48:23 sit [1] - 45:17 site [1] - 35:2 sitting [2] - 45:9,

174:25

situation [10] -26:24, 65:7, 65:13, 65:25, 66:5, 74:28, 115:7, 143:22, 147:9, 160.12 situations [1] -164:26 six [4] - 45:28, 57:10, 123:5, 154:16 Sixth [3] - 43:6, 67:26, 68:14 size [2] - 79:16, 100:22 skipped [2] - 20:5, 145:29 slight [1] - 5:8 slightly [3] - 11:5, 49:29, 117:6 slipped [1] - 45:7 small [5] - 12:27, 34:11, 34:22, 60:23, 119:24 smaller [1] - 58:7 Smith [1] - 40:4 SMITH [1] - 2:27 Snowden [3] - 6:28, 120.19 122.2 Software [1] - 2:26 sole [2] - 76:29, 78:2 solely [3] - 30:13, 58:19, 77:12 solicitor [1] - 170:20 SOLICITORS [2] -2:7, 2:28 solicitors [1] - 29:7 Solove [10] - 10:27, 18:21, 18:27, 19:10, 19:11, 19:12, 20:22, 24:22, 33:14, 41:14 solve [1] - 130:27 someone [17] - 17:9, 41:19, 47:20, 65:13, 119:28, 120:5, 120:27, 125:7, 125:10, 125:13, 125:24, 137:6, 142:29, 163:29, 165:25, 166:20, 166:21 sometime [1] - 81:15 sometimes [7] -14:7, 22:28, 41:4, 54:11, 54:12, 101:6, 168:19

somewhat [5] -

164:20 175:13

50:24, 104:15, 112:7,

somewhere [1] -

soon [1] - 126:22

sorry [83] - 9:15, 16:6, 17:8, 20:3, 20:4, 20:17, 26:9, 27:13, 29:1, 29:2, 29:3, 29:12, 29:17, 36:12, 38:3, 38:16, 38:19, 38:20, 39:12, 39:13, 39:17, 41:16, 44:13, 44:20, 45:11, 46:27, 48:18, 56:12, 62:15, 65:6, 66:28, 68:26, 68:29, 69:18, 72:18, 74:11, 77:29, 78:23, 79:12, 83:2, 84:13, 85:14, 86:2, 86:4, 86:5, 86:7, 86:11, 86:14, 94:18, 96:3, 96:8, 99:5, 100:4, 100:16, 106:11, 106:17, 107:16, 107:17, 107:28, 111:27, 115:1, 117:28, 126:10, 126:20, 127:4, 130:11, 133:17, 133:20, 137:16, 137:17, 140:11, 142:6, 145:6, 145:26, 149:20, 156:25, 156:29, 158:1, 159:27, 163:16, 163:18, 168:6, 176:29 sort [16] - 19:23, 34:3, 57:27, 68:5, 68:18, 71:12, 73:14, 99:1, 119:5, 119:11, 128:17, 132:12, 134:22, 138:5, 157:9, 167:21 Sotomayor [1] - 8:2 sought [6] - 42:16, 44:26, 44:28, 47:22, 65:20, 80:2 sounds [1] - 143:28 source [4] - 24:26, 98:9, 98:29, 160:8 sources [2] - 165:19, 168:21 **SOUTH** [1] - 2:13 Southern [1] - 38:8 sovereign [28] -54:28, 66:21, 105:15, 106:4, 106:6, 109:17, 111:13, 112:1, 133:28, 134:7, 134:8, 134:9, 134:18, 135:3, 135:14, 135:16, 135:29, 136:10, 137:26, 138:1, 139:4,

148:21, 149:1, 150:25, 152:7, 155:21 space [2] - 120:20, 121:23 **speaks** [1] - 76:9 special [1] - 168:29 specific [7] - 36:26, 61:28, 89:6, 103:8, 104:16, 143:16, 156:7 specifically [5] -26:14, 90:11, 90:28, 111:29, 172:10 Specifically [1] -168:25 speculate [5] -81:17, 97:6, 158:13, 160:15, 161:1 speculate' [1] - 47:5 speculating [1] -119:20 speculation [4] -55:18, 160:11, 160:14, 160:21 speculative [7] -15:22, 65:11, 65:12, 167:22, 169:18, 173:1, 173:4 speculative' [1] -15:5 spend [2] - 20:21, 137:5 spending [1] - 175:1 spent [2] - 27:10, 156:20 **sphere** [14] - 90:6, 90:9, 90:10, 90:11, 90:13, 90:14, 90:19, 90:20, 90:21, 90:23, 90:29, 97:11, 158:26 **split** [6] - 39:1, 39:10, 39:18, 41:11, 138:6, 149:11 splits [1] - 40:29 Spokeo [53] - 10:21, 11:3, 15:24, 15:27, 16:2, 17:7, 17:12, 17:25, 18:1, 18:6, 18:26, 19:9, 19:23, 24:13, 24:18, 25:1, 25:16, 27:21, 27:24, 30:2, 30:6, 30:10, 30:18, 31:1, 34:17, 34:20, 34:26, 35:2, 35:29, 36:3, 36:4, 36:22, 37:10, 39:4, 40:20, 41:12, 41:14, 42:8, 43:5, 45:10, 45:24, 49:26, 49:27, 54:16, 59:8, 59:9,

59:15, 60:5, 60:12,

60:26, 62:7, 103:22, 103:24 Spokeo's [3] - 17:25, 23:20, 26:14 **Spokeo)** [1] - 42:12 **spread** [1] - 26:14 spy [1] - 143:1 **SQUARE** [1] - 2:28 stage [15] - 9:13, 55:24, 58:25, 61:10, 62:26, 63:17, 63:20, 63:25, 64:2, 72:12, 161:26, 162:3, 162:12, 162:24, 163:12 stand [1] - 30:9 **standalone** [1] - 43:2 standard [10] -10:12, 10:13, 15:12, 15:17, 15:20, 15:22, 19:27, 50:10, 104:6, 166:27 standards [1] - 92:8 standby [1] - 177:7 standi [1] - 51:23 standing [115] - 5:25, 7:8, 7:9, 11:2, 18:9, 18:17, 21:8, 25:2, 25:10, 27:22, 28:11, 28:21, 29:11, 29:21, 29:25, 30:22, 31:2, 34:25, 34:27, 34:28, 34:29, 36:7, 37:10, 38:27, 38:28, 39:6, 40:20, 40:26, 41:3, 41:5, 41:9, 42:4, 43:13, 43:22, 43:25, 44:18, 44:28, 45:2, 46:19, 47:10, 49:6, 49:11, 49:21, 50:4, 50:9, 50:15, 51:11, 51:17, 51:25, 52:5, 53:2. 53:6. 53:13. 53:25, 54:3, 54:5, 54:10, 54:11, 59:29, 60:2, 60:5, 60:9, 60:12, 60:22, 60:25, 60:29, 61:4, 61:6, 61:8, 61:11, 61:22, 62:4, 62:5, 62:11, 62:13, 62:18, 63:14, 63:16, 63:19, 63:25, 63:28, 64:1, 64:4, 70:14, 93:22, 119:16, 119:29, 120:9, 120:14, 121:5, 121:16, 122:26, 124:8, 124:9, 125:4,

125:8, 125:14,

125:15, 130:28,

139:29, 148:4,

156:11, 156:16,	26:25, 31:16, 35:8,	154:6, 155:5	successful [2] -	88:22
157:6, 157:19,	170:27	straining [1] - 24:19	14:7, 163:12	summary [13] - 28:7,
157:25, 158:5,	statute [42] - 9:7,	strategy [1] - 161:3	sue [19] - 21:8,	56:22, 57:19, 78:24,
161:21, 162:3,	11:26, 12:13, 12:19,	strayed [1] - 128:3	21:21, 21:26, 22:23,	93:28, 110:25, 127:2,
162:18, 162:22,	15:27, 15:28, 16:3,	straying [1] - 92:16	22:27, 63:28, 65:15,	128:18, 133:1,
167:21, 169:19,	16:5, 16:8, 16:10,	STREET [3] - 2:13,	66:7, 67:4, 135:21,	162:19, 162:20,
169:22, 170:4, 170:8	21:6, 21:18, 21:19,	2:18, 3:9	138:18, 139:6, 139:7,	162:21
standing' [3] - 30:15,	21:22, 21:25, 21:26,	•		supplement [1] -
• • • •		stretch [1] - 57:25	140:1, 140:18,	• •
41:7, 164:18	22:16, 24:1, 28:14,	strict [2] - 105:4,	141:13, 141:24,	63:2
start [5] - 92:27,	30:18, 36:28, 38:19,	105:9	149:2, 166:21	supplemental [2] -
94:8, 99:2, 142:10,	39:4, 42:13, 43:3,	strong [2] - 14:17,	sue' [1] - 47:21	93:2, 175:16
143:12	43:19, 45:2, 54:27,	14:18	sued [22] - 38:11,	supplied [2] - 3:23,
started [4] - 57:8,	65:8, 68:24, 68:28,	stronger [1] - 124:7	67:12, 134:10, 135:6,	82:1
57:9, 57:11, 92:21	109:15, 111:3, 113:5,	strongly [2] - 21:23,	136:15, 136:23,	supplies [1] - 23:21
starting [2] - 147:9,	114:1, 114:7, 114:8,	162:5	136:24, 136:25,	support [9] - 82:2,
147:24	118:27, 137:21,	struck [1] - 157:18	136:28, 137:9,	85:22, 166:7, 169:11,
starts [7] - 39:11,	146:29, 150:12		137:11, 139:12,	169:24, 171:27,
92:23, 94:5, 106:18,	statute' [1] - 40:16	students [1] - 41:4	140:5, 140:8, 143:12,	172:3, 172:10, 172:11
106:20, 109:22,	statutes [10] - 14:4,	studied [1] - 31:25	144:4, 144:5, 144:19,	· ·
, ,		stuff [1] - 100:20		supported [1] -
157:20	30:14, 59:25, 83:27,	subchapter [1] -	145:14, 156:27,	169:2
state [10] - 32:29,	95:5, 109:29, 118:20,	23:17	157:26, 158:9	supports [1] -
49:5, 49:25, 55:4,	154:9, 154:11, 155:20	Subdivision [1] -	sues [1] - 144:21	130:21
67:28, 80:26, 145:13,	statutes' [2] - 39:22,	172:1	suffer [3] - 40:7,	suppose [21] -
151:13, 151:24, 160:4	153:6	subject [8] - 93:18,	40:8, 48:12	32:19, 49:2, 70:23,
State [3] - 40:4,	statutorily [1] - 62:6	99:23, 101:21, 110:5,	suffered [4] - 42:10,	71:9, 73:21, 83:18,
101:16, 101:17	statutory [13] -	123:20, 125:25,	42:25, 43:23, 61:3	87:14, 92:1, 95:16,
stateable [3] - 7:19,	12:20, 21:7, 21:10,		sufficient [18] - 22:9,	100:16, 104:29,
7:20, 7:23	35:1, 59:22, 60:17,	134:5, 171:18	39:6, 43:24, 46:19,	108:29, 122:22,
statement [3] - 7:29,	60:21, 61:23, 62:9,	submission [4] -	55:4, 61:4, 62:3,	126:13, 129:1,
		52:21, 72:16, 72:18,		
33:22, 158:7	83:29, 114:14, 148:11	72:19	62:12, 62:17, 67:28,	130:20, 134:5,
statements [3] -	stay [1] - 35:21	submissions [4] -	164:10, 164:11,	155:23, 156:3,
18:8, 132:20, 171:6	stayed [1] - 42:11	79:25, 80:1, 80:22,	164:12, 167:11,	160:10, 161:8
States [50] - 6:14,	stenographer [2] -	85:20	167:22, 169:8,	suppress [1] -
6:25, 7:27, 11:14,	44:4, 127:4	submit [1] - 80:15	169:23, 170:8	127:15
11:27, 12:29, 13:2,	stenographic [1] -	submitted [2] -	sufficiently [5] -	suppression [1] -
13:11, 13:24, 16:20,	1:25	85:21, 126:29	31:5, 128:13, 147:23,	131:20
17:17, 19:15, 27:22,	Stenography [3] -		148:26, 156:4	Supreme [40] - 7:27,
32:2, 32:10, 33:5,	1:21, 3:23, 3:24	subparagraph [1] -	suggest [2] - 53:26,	9:1, 13:8, 15:8, 15:16,
44:6, 56:28, 58:18,	STENOGRAPHY [1]	72:8	152:22	18:16, 19:22, 19:23,
68:22, 71:4, 81:29,	- 1:31	subpart [1] - 49:11	suggested [4] - 6:10,	20:24, 21:22, 25:7,
83:16, 83:26, 85:22,		subparts [1] - 41:10	13:15, 34:21, 38:28	27:22, 30:9, 30:29,
	step [3] - 25:7,	subscription [1] -		
88:4, 106:2, 107:21,	125:5, 125:12	17:15	suggesting [4] -	31:1, 32:15, 34:26,
108:11, 109:4,	steps [4] - 19:22,	subsequent [3] -	161:7, 161:8, 169:19,	43:20, 49:12, 51:1,
109:18, 115:20,	76:14, 158:3, 158:10	18:27, 19:4, 163:9	175:23	54:23, 59:8, 60:11,
115:25, 115:27,	still [11] - 48:20,	subsequently [1] -	suggestions [2] -	62:6, 65:6, 65:7,
119:21, 121:7,	50:23, 132:10, 135:5,	82:10	75:29, 76:4	68:22, 124:6, 142:9,
121:25, 129:15,	136:25, 138:18,	subset [5] - 8:22,	suing [7] - 38:20,	156:25, 158:14,
132:6, 133:29,	142:1, 149:2, 160:20,		143:24, 144:7, 144:9,	160:15, 161:1, 168:1,
137:29, 139:15,	162:24, 175:20	8:23, 12:26, 12:27,	144:10, 152:10, 161:2	169:9, 169:15, 170:9,
141:5, 144:20,	stolen [4] - 44:25,	54:25	suit [5] - 18:1, 22:28,	171:9, 171:12, 171:19
145:15, 146:25,	44:27, 47:7, 61:3	substance [1] -	93:22, 104:27, 141:10	surely [2] - 48:27,
147:8, 150:20,	stood [1] - 63:3	115:3	suits [1] - 137:21	165:21
151:27, 169:3		substantial [5] -		surprise [3] - 82:13,
states [6] - 19:28,	stop [4] - 24:18,	13:1, 13:11, 48:24,	sum [3] - 72:2,	•
	57:28, 151:15, 157:13	54:7, 88:12	130:14, 155:23	159:10, 159:15
21:1, 21:3, 66:16,	stop' [1] - 157:11	substantive [6] -	summarise [5] -	surprised [3] -
75:19, 145:21	storage [2] - 9:17,	16:22, 24:28, 24:29,	57:3, 60:2, 60:9,	41:17, 83:13, 84:4
STATES [1] - 2:21	9:19	36:28, 55:19, 87:20	118:18, 131:9	surrounding [1] -
stating [1] - 28:25	stored [1] - 107:24	substitute [1] -	summarised [1] -	108:14
statistic [1] - 48:13	Stored [5] - 146:14,	100:17	14:11	surveil [1] - 129:20
status [5] - 8:28,	148:13, 149:28,		summarises [1] -	surveillance [45] -
	•	subtract [1] - 51:20		

surveilled [9] - 125:11, 130:23, 131:7, 164:17,	targeting [4] - 11:17, 127:22, 128:12, 129:9 targets [3] - 11:14,	48:1, 48:11, 48:25 them' [1] - 65:15 themselves [6] -	176:13, 176:16, 176:17 timetable [1] - 173:29	117:14 treat [1] - 80:12 treated [1] - 55:16
165:26, 165:28, 168:12, 169:13,	123:11, 168:24 task [1] - 95:20 teaches [2] - 20:10,	8:15, 74:4, 123:1, 150:27, 150:28, 158:11	Title [2] - 150:1, 150:2	treatise [1] - 98:6 tree [1] - 127:8 trial [5] - 45:17,
169:26 surveilled' [1] - 165:3	20:16 technical [1] - 7:22 technically [2] -	THEN [1] - 177:18 theoretical [2] - 173:11, 173:13	title [3] - 45:6, 88:5, 155:2 TO [9] - 19:2, 19:3,	56:12, 129:4, 129:21, 129:28 tried [10] - 50:8,
surveilled'/'we [1] - 158:17	128:20, 128:24 technological [1] -	theory [5] - 11:28, 12:5, 12:7, 34:8,	20:18, 38:1, 97:28, 126:13, 126:14	77:27, 91:23, 97:3, 98:8, 98:29, 100:25,
survey [1] - 49:2 surviving [1] - 161:29	53:21 telecommunication s [1] - 73:28	83:22 there'd [3] - 80:17, 80:18, 135:21	to' [1] - 158:19 today [2] - 46:24, 55:22	102:26, 102:28, 116:25 trillion [1] - 123:13
suspect [10] - 7:5, 34:20, 34:24, 35:2,	telephone [6] - 8:7, 8:25, 53:18, 71:9,	there'll [1] - 175:2 thereafter [1] - 172:4	today" [1] - 132:10 together [4] - 44:22,	trillon [1] - 123:13 tripped [1] - 38:19 trouble [2] - 29:2,
119:19, 119:20, 120:23, 143:11, 171:17, 175:5	168:20, 168:26 television [2] - 28:3,	therefore [9] - 7:9, 18:9, 20:26, 67:12,	93:11, 147:7, 156:17 tomorrow [1] -	157:25 true [11] - 26:4, 47:8,
SUZANNE [1] - 2:21 swears [1] - 81:24	37:22 ten [3] - 46:26, 121:25, 145:29	77:13, 111:12, 112:20, 120:4, 125:4 they've [2] - 125:25,	173:28 took [6] - 78:5, 78:7, 104:10, 139:14,	50:4, 100:11, 108:18, 113:3, 120:22, 121:2, 143:5
Swire [6] - 27:23, 142:24, 174:29, 175:2, 175:3, 175:12	tend [2] - 68:10, 144:10	131:7 thinking [6] - 8:17,	158:10 top [8] - 47:1, 48:20,	try [10] - 41:12, 60:9, 98:10, 98:15, 152:24,
Swire's [1] - 27:19 swore [1] - 56:7	tendered [1] - 87:19 tends [2] - 67:22, 68:9	24:18, 60:19, 79:18, 174:11, 176:19 thinks [2] - 35:16,	64:7, 88:5, 144:18, 163:9, 171:10, 171:18 topic [2] - 33:15,	155:23, 157:15, 163:20, 164:13, 167:3 trying [20] - 48:2,
sworn [1] - 76:22 SWORN [1] - 56:3	tenet [1] - 46:10 tentative [2] -	66:6 Third [1] - 37:29	148:29 topics [2] - 94:7,	49:15, 66:17, 83:15, 92:4, 92:6, 94:18,
Syed [2] - 37:7, 37:15 syllabus [4] - 16:21	176:13, 176:17 tenuous [1] - 33:27	third [8] - 28:7, 44:4, 44:5, 61:16, 97:25,	163:20 tort [3] - 33:25,	95:25, 97:15, 98:25, 102:25, 103:12,
syllabus [1] - 16:21 system [3] - 7:18, 16:13, 54:26	term [3] - 13:8, 63:14, 145:11	98:5, 127:13, 128:9 third-party [2] -	33:28, 34:7 tort-based [1] - 34:7	103:13, 105:3, 119:27, 120:5,
16:13, 54:26 T	terms [8] - 7:13, - 26:6, 52:18, 72:3,	61:16, 128:9 Thomas [2] - 43:12, 43:15	tortious [1] - 33:16 total [1] - 72:2 touch [1] - 69:19	132:11, 133:9, 137:26, 151:29 Tuesday [7] -
•	74:3, 119:2, 150:11, 151:22	Thompson [1] - 98:6	touched [1] - 133:6 touching [1] - 70:12	174:14, 174:23,
	TERRACE [1] - 2:8	threat [1] - 128:4		175:21, 175:25, 177:8

26:17, 28:17, 29:16, 44:12, 46:26, 59:19, 75:15, 81:22, 86:10, 92:19, 100:5, 102:13, 126:24, 128:29 turned [2] - 22:25, 81.18 turning [1] - 94:11 two [50] - 13:7, 15:9, 15:11, 24:3, 32:1, 33:11, 33:13, 33:15, 38:9, 39:20, 44:13, 55:18, 56:13, 63:28, 75:4, 75:14, 84:17, 88:10, 100:22, 100:29, 106:12, 106:22, 107:18, 107:19, 107:20, 116:21, 122:10, 123:9, 123:10, 129:28, 137:23, 149:17, 149:18, 149:21, 149:26, 155:19, 156:14, 157:22, 158:8, 159:4, 159:5, 160:12, 160:18, 161:6, 161:7, 161:10, 163:23, 170:16, 174:2, 176:15 type [5] - 6:22, 8:13, 38:16, 45:3, 114:29 types [4] - 9:14, 10:4, 40:25, 142:27 typical [1] - 13:1 typically [2] - 6:10, 84:10

U

U.S [3] - 115:28, 115:29 ultimately [4] - 25:6, 114:13, 121:4, 158:7 unauthorised [1] uncertain [1] - 49:7 uncertainty [5] -10:11, 24:23, 49:8, 147:24. 148:11 unclear [5] - 10:24, 37:15, 50:24, 140:16, 140:20 unconstitutional [4] - 12:13, 68:28, 113:17, 114:10 under [124] - 8:26, 9:5, 9:7, 9:17, 9:22, 9:25, 11:27, 12:13, 15:19, 15:22, 17:3, 23:7, 28:2, 28:19,

29:22, 30:26, 30:27, 33:17, 34:1, 37:7, 37:10, 38:13, 42:29, 43:5, 44:10, 50:26, 51:1, 54:11, 55:11, 55:12, 61:4, 62:4, 66:21, 67:4, 67:12, 67:28, 69:3, 70:14, 74:13. 88:26. 89:4. 91:13, 91:14, 91:22, 93:20, 93:23, 93:26, 95:27, 97:17, 99:23, 104:3, 104:27, 105:13, 106:1, 107:13, 110:13, 110:27, 111:29, 112:2, 112:9, 112:12, 113:11, 115:8, 115:19, 116:1, 116:11, 116:13, 117:4, 118:8, 118:23, 123:5, 127:22, 128:1, 128:9, 130:18, 131:26, 132:8, 133:25, 134:1, 134:18, 137:10, 137:24, 140:5, 140:8, 145:2, 145:14, 145:22, 146:14, 147:7, 147:10, 148:1, 148:3, 148:13, 148:24, 149:1, 149:6, 149:7, 149:23, 149:25, 150:4, 150:9, 150:14, 150:20, 150:25, 150:28, 150:29, 152:5, 153:5, 153:13, 153:19, 155:14, 155:17, 155:26, 157:11, 159:25, 168:7, 168:8, 168:24, 169:27,

171:29 undergrowth [1] -27:18

understood [10] -58:27, 58:29, 73:3, 73:4, 73:7, 73:14, 74:7, 74:25, 78:13, 140:18 unfortunately [2] -

7:6, 20:11 **Union** [1] - 8:20 **UNITED** [1] - 2:21 **United** [50] - 6:14, 6:25, 7:27, 11:14,

11:27, 12:29, 13:2, 13:11, 13:24, 16:20, 17:17, 19:15, 27:21, 32:2, 32:10, 33:4,

44:6, 56:27, 58:18, 68:22, 81:28, 83:16, 83:26, 85:21, 88:4, 106:1, 107:21, 108:11, 109:3, 109:18, 115:19, 115:25, 115:27, 119:21, 121:7, 121:25, 129:15, 132:6, 133:29, 137:29, 139:15, 141:5, 144:20, 145:15, 145:21, 146:25, 147:8, 150:20, 151:26, 169:2 universally [1] - 51:2 universe [3] - 8:24, 10:10, 103:11 University [2] - 57:5, 57:7

unlawful [9] - 9:8, 9:15, 30:22, 32:20, 93:18, 93:23, 107:23, 131:24 unless [2] - 61:8, 138:23

unlike [1] - 17:22 unpersuasive [1] -

unpublished [1] -162:21 unreasonable [2] -

32:26, 32:28 unsolicited [1] -

UNTIL [1] - 177:18 unusual [2] - 13:24, 13:26

unwilling [1] - 27:3 up [25] - 5:14, 17:15, 25:2, 35:14, 35:25, 37:4, 38:19, 44:9, 66:8, 69:12, 70:11, 84:15, 89:13, 97:27,

101:5, 103:3, 104:2, 109:21, 126:10, 126:20, 132:18,

155:23, 162:28, 163:6, 170:21 **update** [1] - 100:24

updates [1] - 101:2 upset' [1] - 46:17 upshot [1] - 14:16

Upstream [4] - 124:14, 124:21, 124:22, 129:9

Urquidez [2] - 13:9, 130:6

US [109] - 5:26, 6:11, 7:11, 11:21, 12:25,

13:10, 19:23, 33:15, 33:21, 41:28, 51:22, 55:16, 57:11, 57:14, 57:15, 57:17, 57:23, 57:26, 57:29, 58:1, 58:10, 58:16, 58:23, 59:2, 66:19, 70:25, 73:10, 73:16, 74:28, 76:28, 77:21, 77:24, 77:28, 80:1, 80:26, 82:1, 82:19, 83:4, 83:11, 83:15, 83:19, 83:27, 84:2, 84:10, 85:20, 86:22, 87:1, 87:6, 87:8, 87:16, 87:20, 88:11, 88:13, 89:8, 91:18, 91:19, 91:22, 92:17, 93:17, 93:20, 93:21, 94:29, 95:20, 96:28, 96:29, 97:11, 97:17, 98:8, 98:9, 98:16, 98:24, 104:3, 106:13, 116:15, 116:19, 117:2, 117:7, 118:23, 121:5, 125:26, 126:3, 126:26, 127:26, 129:25, 131:25, 136:11, 139:6, 140:1, 140:4, 140:22, 140:23, 140:25, 143:25, 144:2, 144:4,

149:3, 149:29, 150:26, 151:13, 151:20, 151:24, 154:23 us" [2] - 20:10, 20:16 USA [1] - 126:17 USC [6] - 66:21,

144:8, 147:29, 148:6,

67:2, 94:9, 94:11, 117:13, 118:1 useful [1] - 96:27 users' [1] - 28:5 uses [2] - 34:4,

132:26 **USG** [1] - 147:10 **usual** [2] - 174:26, 174:27

usurps [1] - 24:14 utilisation [1] - 23:16

٧

VA's [1] - 47:6 vacancies [1] - 45:15 vacated [1] - 69:18 Valdez [1] - 161:25 valid [2] - 69:14, 97:20

validity [2] - 68:23, 78:17 valuable [1] - 141:23 value [8] - 91:8, 141:14, 141:17, 141:27, 141:28, 142:2, 142:4 variety [2] - 8:16, 144:15 various [7] - 9:20, 59:22, 73:24, 76:19, 107:8, 129:29, 146:12 vary [1] - 60:29 vast [1] - 98:24 vein [2] - 14:24, 44:2 venue [1] - 69:24 verbatim [1] - 1:24 Verdugo [2] - 13:9, Verdugo-Urquidez [2] - 13:9, 130:6 Verizon [2] - 39:11, 39:19 version [4] - 29:19, 46:29, 59:6, 120:22 versions [1] - 29:4 versus [5] - 63:20, 69:11, 69:27, 113:9, 137:25 48:12

69:11, 69:27, 113:9, 137:25 veterans [2] - 44:27, 48:12 via [1] - 55:13 viable [1] - 22:26 vibrant [2] - 121:23, 121:28 victims [2] - 48:11, 48:29 video [2] - 71:11, 71:15 view [9] - 43:10, 50:20, 61:21, 73:15,

76:6, 77:6, 102:2, 102:4, 173:4 vindicate [1] - 21:8 violate [5] - 127:19, 130:17, 149:13, 150:4, 154:11 violated [9] - 7:2, 18:4, 21:25, 22:22, 40:12, 42:13, 43:18,

87:5, 87:20, 97:3,

views [6] - 64:10,

148:26, 160:10

violates [1] - 118:26 violation [24] - 21:10, 21:11, 21:17, 21:28, 22:8, 22:11, 22:13, 22:23, 24:1, 26:21,

35:1, 43:2, 53:22,

108:12, 113:11

62:6, 104:21, 104:25, 108:15, 108:17, 109:4, 118:20, 149:23, 154:7, 154:9, 155:13 violation' [1] - 43:4 violations [17] -21:21, 22:25, 36:27, 39:22, 61:28, 62:9, 104:5, 105:21, 129:8, 132:9, 145:20, 150:8, 153:3, 153:7, 153:17, 155:15, 155:20 virtually [1] - 142:15 virtue [1] - 30:14 visit [1] - 71:4 Vladeck [19] - 27:23, 54:6, 64:8, 64:14, 66:27, 67:7, 68:2, 81:13, 81:18, 132:17, 134:16, 135:5, 135:14, 142:12, 142:14, 143:15, 162:7, 175:3, 175:13 Vladeck's [13] -27:16, 63:4, 66:10, 81:12, 134:13, 134:22, 134:24, 134:27, 135:1, 139:22, 170:13, 170:16, 170:21 volume [3] - 32:16, 57:22, 98:5 volumes [2] - 57:25, 100:23

W

wait [2] - 47:20, 157:20 waited [4] - 158:8, 158:16, 158:21, 160:18 waiting [2] - 86:5, 157:22 waive [1] - 138:1 waived [2] - 66:21, waiver [13] - 42:13, 42:18, 105:14, 106:6, 109:17, 111:13, 111:14, 133:28, 136:10, 139:4, 150:25, 152:7, 155:21 walked [1] - 166:20 walking [1] - 143:12 WALL [2] - 3:3, 3:4 wants [2] - 11:22, 66:7

warrant [2] - 127:24, 129:19 Warrant [1] - 129:23 warranted [3] -108:22, 108:24, 109:9 warrantless [1] -62:2 warrants [2] - 32:26, 32:29 WAS [4] - 5:11, 56:3, 70:19, 177:18 way' [1] - 43:28 ways [10] - 25:22, 25:24, 133:6, 137:3, 144:15, 153:8, 158:25, 158:27, 158:29, 165:20 website [1] - 28:2 WEDNESDAY [2] -1:18, 5:1 Wednesday [3] -174:14, 174:29, 175:22 week [4] - 174:13, 174:15, 174:19, 177:5 weeks [1] - 177:10 weight [1] - 171:22 weighty [2] - 77:19, Western [1] - 44:7 whatsoever [1] -166:14 whereby [1] - 153:22 whilst [2] - 36:4,

whistleblowing [3] -159:6, 159:12, 159:17 whole [3] - 71:6,

whole [3] - 71.6, 113:29, 152:20 why' [1] - 168:13 wide [3] - 8:16, 9:29, 52:18

Wikimedia [3] 121:10, 123:12,
124:15
wilful [3] - 18:13,
104:17, 104:25
wilfully [1] - 108:16
wilfulness [4] 104:4, 104:5, 104:19,

105:5 WILLIAM [1] - 2:28 WILTON [1] - 2:8 Wire [10] - 148:13, 149:1, 149:8, 149:23, 149:26, 150:1, 150:6,

151:17, 154:8, 155:5 wiretap [1] - 122:6 wiretapping [1] -62:3 wiretaps [1] - 118:24 wish [6] - 35:21, 37:13, 53:29, 55:9, 55:17, 171:16 wished [1] - 14:10 withdrew [1] - 67:3 without...(as [1] -23:28

Witness [4] - 52:2, 52:27, 56:14, 75:13 WITNESS [4] - 4:2, 19:3, 97:29, 126:14 witness [8] - 29:9, 37:19, 55:29, 85:28, 87:18, 102:1, 174:6 witness' [2] - 52:15, 52:20

WITNESS) [1] - 38:1 witnesses [2] -35:12, 174:3 wonder [5] - 29:4, 85:10, 98:3, 102:13,

wondering [1] -83:18 word [7] - 6:11, 6:12,

174:28

8:14, 34:26, 50:28, 163:14, 176:18 words [19] - 26:1, 41:6, 71:5, 74:17,

83:9, 94:20, 97:10, 109:23, 112:27, 112:29, 114:22, 116:12, 117:1, 141:1, 147:24, 148:3,

149:15, 151:10, 152:9 works [1] - 19:27 world [4] - 19:15,

34:8, 34:9, 89:15 worry [2] - 87:28, 143:24 worth [1] - 142:15

worth [1] - 142:15 would've [9] - 49:26, 79:6, 142:1, 157:22, 158:6, 158:14, 158:15, 170:2, 170:7 wrapped [1] - 89:13 wrinkle [2] - 135:12,

141:26 **writing** [2] - 19:24, 96:22

writings [1] - 97:23 written [14] - 3:24, 19:17, 22:1, 22:15, 33:14, 57:22, 58:3, 58:4, 58:5, 89:7, 97:24, 97:29, 101:23,

101:24 wrongdoing [1] -154:25 wrongful [2] -153:10, 153:13 wrote [4] - 21:25, 128:1, 135:12, 142:1



X'[1] - 154:11

Υ

year [7] - 27:13, 58:12, 71:3, 127:7, 161:10, 161:13, 161:17 years [5] - 16:12, 54:23, 57:10, 88:10, 121:25 yet' [1] - 65:10 you' [1] - 120:4 young [2] - 5:20, 44:9 YOUNG [1] - 2:7 yourself [2] - 167:11, 169:27

Ζ

zip [5] - 23:24, 23:27, 23:28, 26:22, 26:23 **zones** [1] - 33:6

_

—[2] - 129:17, 129:19