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IN THE COMPETITION

Case No. 1280/3/3/17

APPEAL TRIBUNAL

27 June 2018

Victoria House,

Bloomsbury Place,

London WC1A 2EB

Before:

THE HON. MR. JUSTICE MANN

(President)

DR CLIVE ELPHICK

ANNA WALKER CB

(Sitting as a Tribunal in England and Wales)

BETWEEN:

VIASAT UK LTD AND VIASAT, INC

Appellants

- and -

OFFICE OF COMMUNICATIONS

Respondent

-supported by-

INMARSAT VENTURES LIMITED

Intervener

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HEARING

APPEARANCES

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Michael Bowsher QC, Fiona Banks and Khatija Hafesji (all of Monkton Chambers) appeared on behalf of the Appellant .

Josh Homes QC, Julianne Kerr Morrison appeared on behalf of the Respondent.

Tim Ward QC and Anneli Howard (both of Monkton Chambers) on behalf of the Intervener.

1 Wednesday, 27 June 2018

2 (10.30 am)

3 THE CHAIRMAN: Yes, Mr. Holmes.

4 Opening submissions by MR. HOLMES (Continued)

5 MR. HOLMES: Good morning, sir. If it pleases the tribunal
6 I will begin this morning by showing you the statutory
7 basis for the tribunal's jurisdiction, the basis for
8 Ofcom's jurisdiction, and take you to the decision which
9 is under appeal in these proceedings.

10 The basis for the tribunal's jurisdiction lies in
11 section 192 of the Communications Act 2003.

12 Unfortunately, the original version --

13 THE CHAIRMAN: Sorry, forgive me. Say the number again?

14 MR. HOLMES: Section 192 of the Communications Act 2003.

15 THE CHAIRMAN: Yes.

16 MR. HOLMES: Unfortunately the wrong version found its way
17 into the bundles, the original version, which has been
18 amended on several occasions. Could I hand up the
19 consolidated version.

20 If I might give these to one of the referendur.

21 Thank you. If I could ask the tribunal to insert that
22 in place of the existing document in bundle F1 at
23 tab 14.

24 THE CHAIRMAN: I only have one F, is there an F2?

25 MR. HOLMES: I'm so sorry, mine was split, I think, by my

1 instructing solicitors.

2 THE CHAIRMAN: F/14.

3 MR. HOLMES: F/14, the legislation bundle at tab 14.

4 THE CHAIRMAN: Now, is it agreed that this is the correct
5 version from which we should be working?

6 MR. BOWSHER: I am not sure what was being handed up.
7 I thought the right version was in my bundle but --

8 THE CHAIRMAN: You had better let Mr. Bowsher have one.
9 I really do not want to have to rule on who has handed
10 up the better version of legislation.

11 MR. HOLMES: This came from Westlaw and it is the current
12 consolidated version but let me --

13 MR. BOWSHER: Can I check what I have in my bundle which
14 I thought was the right thing is what Mr. Holmes --

15 THE CHAIRMAN: Yes, you check with Mr. Holmes before we get
16 into any argument. (Pause).

17 MR. HOLMES: It may be that there is a difference between
18 the bundles. The version that was in my bundle -- in
19 any event, I had the wrong version. I hope you have the
20 right one now. The one I have just handed up is
21 certainly the correct one.

22 THE CHAIRMAN: Mr. Bowsher, you had better keep an eye on
23 what is being said about this version in case you think
24 there is a difference.

25 MR. HOLMES: Indeed.

1 Yes, apologies, we only noticed the discrepancy in
2 my bundle during the course of the evening.

3 There is clearly a problem with the bundles
4 generally, sir, because my learned friends for Inmarsat
5 have the original unamended version, so there is
6 obviously been a glitch of some kind in the preparation
7 of the bundles.

8 The provision I wanted to show you is
9 section 192(1) (a) which provides that the section
10 applies --

11 THE CHAIRMAN: Just a minute, let's turn it up. 192(1) (a),
12 yes.

13 MR. HOLMES: "This section applies to the following
14 decisions:

15 "(a) a decision by Ofcom under this Part (or any of
16 Parts 1 to 3 of the Wireless Telegraphy Act 2006) that
17 is not a decision specified in schedule 8."

18 And section 192(2) then provides that:

19 "A person affected by a decision to which this
20 section applies may appeal against it to the Tribunal."

21 The decision taken by Ofcom was one under section 8
22 of the Wireless Telegraphy Act 2006, which is in part 2
23 of that Act and is, therefore, within the scope of
24 section 192(1) (a) not being one of those decisions
25 specified in schedule 8.

1 If you turn to the next tab, tab 15, you find there
2 the Wireless Telegraphy Act, and section 8 is on page 5
3 in my bundle, and it specifies in section 8(1) that:

4 "It is unlawful --

5 "(a) to establish or use a wireless telegraphy
6 station, or ...

7 "(b) to install or use wireless
8 telegraphy apparatus - except under and in accordance
9 with a licence (a "wireless telegraphy licence") granted
10 under this section by Ofcom."

11 As the tribunal will see from section 9(1):

12 "The licence may be subject to such terms,
13 provisions and limitations as Ofcom thinks fit."

14 THE CHAIRMAN: I could if I had section 9 in the bundle,
15 which I do not.

16 MR. HOLMES: The mysteries of the bundles, sir. I shall
17 liaise with my brethren and we will arrange for
18 a complete copy to be provided.

19 THE CHAIRMAN: Nobody has challenged the jurisdiction. Does
20 this jurisdictional point matter in this case?

21 MR. HOLMES: It matters to the extent that -- it is simply
22 to show you the basis for Ofcom's decision, which I will
23 take you to in a moment, which is a decision -- it is
24 not in fact the authorisation statement to which you
25 were taken yesterday. It is a different decision, and

1 it is worth looking at that decision because there are
2 submissions that I would want to make by it, so that is
3 why I am showing you Ofcom's vires.

4 THE CHAIRMAN: You are trying to point us to the right
5 authorisation document, that is the purpose of all this?

6 MR. HOLMES: Indeed. Yes, sir. And also to show the basis
7 for the tribunal's jurisdiction.

8 THE CHAIRMAN: Right. Tell us what section 9 -- section 9
9 says that conditions can be imposed?

10 MR. HOLMES: Indeed, that is the only point on that.

11 THE CHAIRMAN: I will make a note of that and you can give
12 me a page in due course.

13 MR. HOLMES: Yes. Now, in this case Ofcom's exercise of its
14 power under section 8(1) was done in performance of
15 a duty imposed upon it under the statutory instrument to
16 which Mr. Bowsher took you yesterday, namely the
17 Electronic Communications Authorisation of Frequency Use
18 for the Provision of Mobile Satellite Services EU
19 Regulations 2010, and those regulations implement the
20 United Kingdom's obligations under European Union law to
21 ensure that Inmarsat is authorised to provide mobile
22 satellite systems on the one hand, and CGCs on the
23 other, and the tribunal will recall the two distinct
24 obligations upon the member states to ensure under
25 Articles 7 and 8 of the EU decision to authorise mobile

1 satellite systems, the use of mobile satellite systems
2 and the use of CGCs respectively.

3 If we could go to the regulations. Now again, sir,
4 in my bundle the version that I have is the original and
5 unamended version of the 2010 regulations. That may or
6 may not be the case with my learned friends or with the
7 tribunal.

8 THE CHAIRMAN: I think I can tell you that looks pretty
9 unamended to me.

10 MR. HOLMES: Yes. So the correct version we obtained
11 overnight and, again, I am handing it up.

12 THE CHAIRMAN: This is tab 16; is that right?

13 MR. HOLMES: Yes, sir.

14 THE CHAIRMAN: We will just take out the old one, despite
15 the fact we have marked it up.

16 MR. HOLMES: Starting with Regulation 3, this requires Ofcom
17 to grant authorisation to each of the selected
18 applicants, that is the applicants selected by the
19 Commission, for use in the United Kingdom of the two GHz
20 frequencies, subject to the conditions set out in the
21 regulations. That provision implements Article 7 of the
22 EU decision, the first of the two authorisation
23 obligations under the EU decision allowing applicants to
24 operate mobile satellite systems.

25 The Article 7 common conditions applicable to the

1 mobile satellite system authorisation are then set out
2 in Regulation 4. The tribunal will see that under
3 Article 4(1)(c), applicants are required to honour all
4 commitments given during the selection process and under
5 Article 4(1)(d), applicants are required to provide
6 Ofcom with an annual report detailing the status of
7 development of their proposed system, and this is a part
8 of the separate apparatus laid down for monitoring and
9 enforcing compliance with the Article 7 mobile satellite
10 system common conditions, including commitments under
11 the selection process.

12 The tribunal will recall that Mr. Bowsher showed you
13 yesterday two Inmarsat documents described as "Progress
14 updates" which he said were examples of Inmarsat urging
15 regulators to get on and authorise its CGCs. Those
16 documents were in fact examples of these annual progress
17 reports statutorily required under Regulation 4, and the
18 licence granted pursuant to it, and in the other member
19 states under Article 7, mobile satellite system common
20 conditions. They are part of a parallel track of
21 monitoring enforcement, which was the intended mechanism
22 for identifying and rectifying any deviation from the
23 MSS common conditions.

24 There are then provisions about the monitoring and
25 enforcement of compliance with the Article 7 conditions

1 in regulations 5(a) to 5(f), which basically involve
2 a staged approach and the involvement of the Commission
3 and the other national regulators in a process of
4 dialogue.

5 Finally, at the tail end of the regulations,
6 regulation 13 on page 11, one comes to the authorisation
7 of complementary ground components, and that is the
8 particular aspect of the selection and authorisation
9 process with which we are concerned in these
10 proceedings. So consistent with the structure of the EU
11 decision, authorisation of CGCs is dealt with as
12 a separate matter from the authorisation of mobile
13 satellite systems in Regulation 13, which implements
14 Article 8. Regulation 13(1) requires Ofcom to:

15 "... carry out their functions under the Wireless
16 Telegraphy Act 2006 so as to give effect to the
17 obligations of the United Kingdom under the EU decision
18 and the Commission Decision insofar as those obligations
19 have not been given effect by these Regulations."

20 And Regulation 13(2) specifically requires use of
21 the Wireless Telegraphy Act powers to licence the
22 applicant to use CGCs subject to the separate CGC common
23 conditions which the tribunal saw yesterday in Article 8
24 of the EU decision.

25 To return to my submission of yesterday evening,

1 I do emphasise the unconditional nature of the
2 obligation as specified under Regulation 13(2). We say
3 that the draftsman of these regulations here correctly
4 understood and implemented the obligation arising under
5 Article 8 of the EU decision, which requires Ofcom to
6 licence CGCs subject to the common conditions.

7 Of course, to reiterate my response to your question
8 of yesterday, Ofcom was required to verify that what it
9 was authorising was, indeed, a CGC of a mobile satellite
10 system. We do not seek to shy away from that, and that
11 is Mr. Bowsheer's ground 1(a).

12 However, in my submission, Ofcom was neither
13 required nor permitted to withhold authorisation under
14 Regulation 13 based on a failure by an operator to
15 comply with any of the separate conditions pursuant to
16 Inmarsat's Article 7, Regulation 3 authorisation. That
17 is Mr. Bowsheer's ground 1(c).

18 The MSS common conditions are subject to a separate
19 monitoring and enforcement regime, and the legislation
20 expressly divorces the licensing of CGCs from the
21 broader authorisation to provide mobile satellite
22 systems.

23 By the same token, Ofcom was neither required nor
24 permitted to withhold authorisation under Regulation 13
25 on the basis that an operator had modified its mobile

1 satellite system since the time of its application to
2 the Commission. That is Mr. Bowsher's ground 1(b).

3 The outcome of the selection process was
4 crystallised in commitments which were in turn
5 incorporated in the conditions applicable to the
6 authorisation to provide mobile satellite systems, and
7 they are to be dealt with under the separate monitoring
8 and enforcement regime applicable to those conditions.

9 Finally, Ofcom was neither required nor permitted to
10 withhold authorisation in exercise of any residual
11 discretion in order to avoid alleged risks of
12 competitive distortions for adverse effects on
13 incentives to innovate and invest. That is
14 Mr. Bowsher's ground 3.

15 The EU legislation and the national legislation that
16 implements it leave no room for any such discretion,
17 which would threaten the harmonised result which was
18 intended.

19 Now, if I am right about those submissions, that
20 leaves grounds 1(a) and 2 in play. Ground 2, in my
21 submission, can also be quickly addressed. There are
22 two main contentions under this ground. One is that
23 Ofcom should have investigated the local conditions
24 relating to each ground station to see whether that
25 station could be said to improve the availability of

1 mobile satellite services locally.

2 But that argument depends upon whether Ofcom was
3 right that ground stations may be used to improve the
4 availability of the services offered by boosting
5 capacity. If Ofcom was right about that, there was no
6 need for a fine-grained analysis of conditions at
7 individual sites to see whether there were any coverage
8 issues caused by signal blockage, which seems to be
9 the -- that is the only basis on which it was suggested
10 that local conditions might be relevant to the
11 authorisation of CGCs.

12 If Ofcom was wrong, then Mr. Bowsler will have
13 already succeeded on his ground 1(a). So we say this
14 limb of ground 2 adds nothing to Viasat's case under
15 ground 1(a).

16 The other component of ground 2, the other
17 contention under ground 2, and as we understand it, this
18 is the main crux of ground 2, is that it was
19 unreasonable for Ofcom not to attach additional
20 conditions of its own specification to Inmarsat's CGC
21 licence in order to ensure that the European Aviation
22 Network should only be operated with aircraft fitted
23 with satellite receivers as part of their mobile earth
24 station.

25 Now, it is accepted by Ofcom that under section 9 of

1 the Wireless Telegraphy Act, Ofcom could have stipulated
2 additional conditions besides the common conditions
3 applicable to CGCs, provided that those were compatible
4 with superior EU law. So we do not take an objection to
5 this argument on the basis that Ofcom lacked the power
6 to do as it is proposed that it should have done.

7 Our case is that Ofcom was entitled to conclude, in
8 exercise of its regulatory discretion, that such
9 additional conditions were not necessary in this case,
10 and to rely instead on enforcement of the common
11 conditions in line with the policy which it adumbrated
12 in the authorisation statement which Mr. Bowsher showed
13 to you yesterday. So that, in a nutshell, and those are
14 my opening submissions in a nutshell on all of the
15 grounds bar ground 1(a).

16 If I could now show you the appealable decision
17 itself. It is in bundle B at the back, tab 25. You see
18 that the decision from the top left heading is taken
19 under the Wireless Telegraphy Act 2006. The date of
20 issue is 22 January 2018. Paragraph 1 grants the
21 licence to Inmarsat to establish, install and use
22 wireless telegraphy stations and/or apparatus as
23 described in the schedules.

24 Paragraph 10 requires the licensee to ensure that
25 the radio equipment is established, installed and used

1 only in accordance with provisions in the schedules.

2 Schedule 1 at page 5 specifies as the purpose of the
3 radio equipment that it shall form part of a mobile
4 satellite system.

5 The common conditions are then set out in -- the
6 common conditions under Article 8 and Regulation 13 are
7 then set out at paragraph 4. 4(a) states the
8 requirement that operators shall use the assigned radio
9 spectrum for the provision of complementary ground
10 components of mobile satellite systems.

11 At paragraph 9 you see the frequency blocks that
12 were granted to Inmarsat in accordance with the
13 assignment under the EU legislation, and at
14 paragraphs 10 to 14, some specific technical provisions
15 are set out on the transmitted power and out of block
16 transmissions that are allowed in order to avoid
17 interference with adjacent uses -- the uses of adjacent
18 frequency blocks.

19 In paragraph 15 you see that the schedule
20 incorporates expressly the definitions of CGCs and of
21 mobile satellite systems specified in the EU decision,
22 and schedule 2 then shows which stations are being
23 authorised. That is to say, you know, particular
24 facilities at stated addresses. So that is the
25 appealable decision.

1 The authorisation statement to which Mr. Bowsher
2 took you, and which prompted his client's appeal, is not
3 itself an appealable licence under section 8 of the
4 Wireless Telegraphy Act. It does not identify and
5 authorise the installation of any particular wireless
6 telegraphy stations. Rather, it is a statement of
7 policy in which Ofcom announced its intention to licence
8 Inmarsat's CGCs, and explained why, based on
9 an assessment of Inmarsat's proposed European Aviation
10 Network it considered that that was appropriate.

11 Now, the statement therefore sets out reasoning
12 relevant to Ofcom's decision, but it is not the decision
13 itself. Having shown you the appealable decision, I can
14 now briefly conclude my submissions on the independent
15 limb of Mr. Bowsher's ground 2, alleging that Ofcom
16 should have attached further conditions to Inmarsat's
17 CGC licence, prohibiting use by aircraft which lacked
18 satellite connectivity.

19 As I have shown you, the decision incorporates
20 already common conditions which stipulate that the
21 spectrum should be used for provision of CGCs forming
22 part of mobile satellite systems, and in the
23 authorisation statement, Ofcom makes very clear that it
24 will address any failure to install satellite antennae
25 on planes by way of enforcement action under the terms

1 of the schedule.

2 If I could ask you to turn back to the authorisation
3 statement at tab 1 of bundle B. Mr. Bowsher took you to
4 paragraphs 3.23 to 3.28, beginning on page 12 of the
5 statement. He used these to illustrate the concern that
6 underlies ground 2, namely that aircraft might not
7 install a satellite antenna and might use only the CGCs
8 to connect to the EAN.

9 Now, those paragraphs, in my submission, are
10 a neutral and balanced description of the evidence that
11 Ofcom had collected from Inmarsat. They are not passing
12 any comment on the appropriateness of any of that
13 material -- of the approach that was described in any of
14 that material.

15 Turning to section 4, Ofcom set out its conclusions
16 and identified next steps, and Mr. Bowsher took you to
17 paragraph 4.9, which again identifies the concern.
18 Ofcom noted that Inmarsat's EAN service can technically
19 be provided without the satellite terminal being
20 installed and that there may be incentives for airlines
21 not to install the terminal despite having purchased
22 an integrated system from Inmarsat.

23 But Ofcom then continues to explain how it proposes
24 to deal with that. At 4.10 it stated its intention:

25 "... to monitor carefully the deployment of the EAN

1 in order to ensure that the Ground-based Stations are
2 indeed being used as complementary [ground] components
3 of the EAN; and that use is also being made of the MSS
4 [I think it means the system], including the Satellite
5 Terminal, by aircraft which utilise Inmarsat's service.

6 "4.11. To that end, Ofcom will collect information
7 from Inmarsat to verify that aircraft using the EAN are
8 being fitted with the Satellite Terminal; and that
9 services are being provided using the MSS as well as the
10 Terrestrial Segments.

11 "4.12. If it transpires that, after being
12 authorised by Ofcom, Inmarsat is providing services to
13 aircraft exclusively by means of the Terrestrial
14 Segment, Ofcom will consider taking enforcement action
15 on the basis that the Ground-based Stations are not in
16 fact being used as CGCs (ie as complementary components
17 of a system for providing MSS in order to improve the
18 availability of the MSS) as is required under the terms
19 of Inmarsat's authorisation."

20 So in my submission --

21 THE CHAIRMAN: There is something odd about that, is not
22 there? It strikes me there is something odd about that.
23 Supposing you have a situation in which the -- we arrive
24 at the situation in which aircraft are flying around up
25 there without the satellite bit and they are just taking

1 signals from the ground bit. They are at risk of being
2 held not to be using the CGC as part of a -- as
3 complementary to a satellite system.

4 MR. HOLMES: Yes, sir.

5 THE CHAIRMAN: One would have thought that the remedy for
6 that would be to say "well, turn it off then", but what
7 Ofcom seem to be proposing is they will just make sure
8 they put a satellite dish on which, by definition, is
9 virtually redundant, because aircraft are managing
10 perfectly well without it. In other words, they are
11 making them add a component which sort of adds
12 an ingredient. It seems very odd to me.

13 MR. HOLMES: Taking it in stages, it is not accepted on the
14 evidence that the satellite component is virtually
15 redundant.

16 THE CHAIRMAN: But this scenario sort of proves it.

17 MR. HOLMES: Well, sir, with respect, in our submission it
18 does not prove it, because the plane would not be able
19 to receive a continuous service. It would not be able
20 to obtain a service in relation to portions of many of
21 the flights which are made across Europe. It would not
22 be able to receive a service in areas where CGCs were
23 malfunctioning. It would not be able to receive
24 a service where mountains obscured the signal.

25 In our submission, there are a number of

1 circumstances in which the satellite usefully
2 contributes to the service which is being received.
3 That, of course, will all of course be rehearsed in
4 evidence before you. I do not want to anticipate that
5 discussion too much in opening submission, but that is
6 the first point.

7 The second point is that we are here involved with
8 an authorisation of the use of particular stations as
9 part of a system which is not yet even in commercial
10 operation. There are no planes yet that are obtaining
11 a service from it.

12 THE CHAIRMAN: Yes.

13 MR. HOLMES: To jump to enforcement, to anticipate problems
14 in the licence, well, that might be one possible
15 approach that a regulator could take.

16 THE CHAIRMAN: You see, I think you misunderstand me. I am
17 not suggesting we are jumping to enforcement now. I am
18 looking to a time when the thing has been turned on.

19 MR. HOLMES: Yes, sir.

20 THE CHAIRMAN: It is turned on, and it turns out that there
21 are aircraft flying round up there which have not got
22 satellite dishes on. The conclusion is that it is not
23 being used as part of an MSS. That would be the only
24 reason why Ofcom would be concerned.

25 MR. HOLMES: Yes. Agreed, sir.

1 THE CHAIRMAN: So what Ofcom then do is to say: well, put
2 a satellite dish -- basically -- it can probably be
3 dealt with in Europe, but assuming it is Ofcom for the
4 moment, Ofcom say: put a satellite dish on the plane.
5 They are sort of enforcing the addition of an element to
6 make something part of an MSS when it has been
7 demonstrated on this hypothesis there are aircraft
8 flying around not using it as part of an MSS?

9 MR. HOLMES: Well, Ofcom recognised in the decision that
10 these ground components could operate to provide
11 an independent service.

12 THE CHAIRMAN: Yes.

13 MR. HOLMES: But that was not the intended nature of the
14 European Aviation Network, as it was described to Ofcom.
15 On the contrary, what was proposed was an integrated
16 system in which the service would switch between the
17 satellite component and the ground stations in different
18 sections of the aircraft's flight across Europe in order
19 to improve the service.

20 So it is not Ofcom stipulating that the satellite
21 terminal needs to be added: it is Ofcom requiring that
22 the service as it has been described and authorised,
23 should be installed in accordance with the description
24 which has been given to it by the operator, Inmarsat.

25 THE CHAIRMAN: Well, I am afraid -- we may come back to

1 that. It seems to be an odd way of going about it. It
2 is an odd corner of the case. They are saying: you must
3 put a satellite terminal, which by definition they did
4 not want to put on, on a plane, in order to make it
5 an MSS. I will have to think this through a little
6 more. I think it represents a bit of a flaw in the
7 analysis, but we will come back to it, Mr. Holmes.

8 MR. HOLMES: I am grateful, sir.

9 To just top off my submissions on this, the tribunal
10 may take a different view as to how it would have
11 approached this discretionary question of whether to
12 attach further bespoke conditions to the licence.

13 I apprehend, though, that your point goes more, really,
14 to ground 1(a) than to this ground.

15 THE CHAIRMAN: No, it does. It is nothing to do with
16 conditions. It is really what it says about what the
17 system really is.

18 MR. HOLMES: That is noted, sir, and I am grateful for that
19 indication. For the purposes of ground 2, however, my
20 submission is that Ofcom had a discretion as to whether
21 to apply conditions, and an approach which explained its
22 policy towards enforcement was a legitimate one for
23 a regulator to take and within the legitimate margin of
24 discretion to be allowed to the regulator, and that it
25 has not been shown that that was an unreasonable

1 approach outside the bounds that a reasonable regulator
2 might choose to adopt.

3 If I could ask the tribunal to take up section 192
4 again, it is perhaps an opportune moment to deal briefly
5 with the standard of review and to show you the
6 authorities which I promised, and which I know you were
7 anticipating with great enthusiasm.

8 THE CHAIRMAN: Yes. Can we put bundle B away?

9 MR. HOLMES: Yes, sir, I am grateful.

10 THE CHAIRMAN: Remind us of the tab in bundle F.

11 MR. HOLMES: Bundle F, tab 14. Now, I have shown you
12 section 192. Sections 193 and 194A are not relevant,
13 they concern a different type of appeal.

14 Section 194A then is relevant and concerns the
15 disposal of appeals under section 192 and this is the
16 new provision inserted by the Digital Economy Act 2017,
17 this being the first appeal to be decided under it.

18 Under section 194A(1):

19 "This section applies to an appeal against a
20 decision referred to in section 192(1)(a) ..."

21 Which this is.

22 Section 194A(2) specifies that the Tribunal is to
23 decide the appeal by reference to the grounds of appeal
24 set out in the notice by applying the same principles as
25 would be applied by a court on an application for

1 judicial review.

2 That replaces section 195(2) of the Communications
3 Act as originally enacted which required the tribunal
4 instead to decide the appeal on the merits.

5 So the appeal is to be decided on judicial review
6 principles and it must comply with the requirements of
7 applicable European Union law, and of relevance in this
8 regard is Article 4 of the Framework Directive, which
9 you were taken to yesterday. For your note, it is
10 bundle F/3, and as you saw it provides that:

11 "Member states shall ensure that the merits of the
12 case are duly taken into account and that there is
13 an effective appeal mechanism."

14 Now, in applying judicial review principles, the
15 tribunal must therefore ensure that the merits of the
16 case are duly taken into account, and although this is
17 the first case under section 194A(2), I mentioned
18 yesterday that there is previous authority of the
19 standard of review in the context of High Court judicial
20 reviews that were within the scope of Article 4.

21 I would like to take you to two examples of those to
22 see the approach that was taken. Bundle G, please, the
23 authorities bundle, at tab 4.

24 THE CHAIRMAN: Mr. Holmes, at the risk of patronising my
25 colleagues, which I do not wish to do at all, it may be

1 that they would find it helpful to understand what the
2 limits of judicial review are and prima facie what
3 problems are posed by bringing in a merits consideration
4 to a judicial review, because I think I understand it
5 but, if they will forgive me, they may not.

6 So would you like to put a bit of background for
7 them?

8 MR. HOLMES: I am grateful. I will do my best on my feet.

9 It may be that I will have to flesh that out in my
10 written closing submissions, if that is convenient.

11 THE CHAIRMAN: I think it would provide -- I do not know
12 what these authorities are going to say but I think it
13 might provide a helpful bit of background, it might even
14 help me. I hope you do not mind my making that
15 proposal.

16 MR. HOLMES: By way of broad overview, there are three well
17 established heads of judicial review. One is error of
18 law, and it is of course accepted that a court or
19 tribunal is always the arbiter of the law. It can
20 substitute its decision and determine whether the
21 regulator got the law right or wrong. If the regulator
22 erred in terms of its understanding of its powers, the
23 relevant statutory provisions, then its decision must be
24 set aside provided that the error was material.

25 The second well established head of judicial review

1 is that of a procedural error, that is to say some
2 failure to consult or failure to afford a fair hearing.
3 That really does not concern us for the purposes of
4 these proceedings, I think. I do not believe any of the
5 grounds really raise a challenge to the process that
6 Ofcom ran.

7 The third limb is whether the decision was
8 unreasonable in any relevant respect, and reasonableness
9 in classic judicial review is defined under a sort of
10 test deriving from a case, the *Wednesbury v*
11 *Picture Houses* case, from the immediate
12 post-war period, and it specifies that a decision would
13 be unreasonable in confined circumstances. The role of
14 the court or tribunal is not to consider the merits of
15 the decision and to decide whether it agrees or
16 disagrees with the decision. Instead it should consider
17 whether the decision was outside the range of reasonable
18 responses that are open to a regulator or a statutory
19 decision-maker, or to put the point more colourfully, as
20 it is sometimes put, whether the decision was so
21 unreasonable that no reasonable regulator could have
22 reached it.

23 There are other strands as well, whether any
24 relevant considerations were not taken into account, or
25 whether any irrelevant considerations were taken into

1 account. But relevance and irrelevance is to be defined
2 by the statute. It is ultimately -- and it is for the
3 decision-maker, subject to the extreme unreasonableness
4 formulation I described, to decide whether appropriate
5 weight was attached to any consideration which is
6 relevant and was duly taken into account.

7 So, sir, forgive me, I hope that that fairly
8 summarises classic judicial review principles.

9 THE CHAIRMAN: Right.

10 MR. HOLMES: You will correct me if you feel that I have
11 misled.

12 THE CHAIRMAN: I did not identify any errors of principle.
13 None of that was judicially reviewable.

14 MR. HOLMES: The question then arises, given that judicial
15 review is, by its nature, inimical to a detailed
16 consideration of the merits, a consideration of whether
17 the decision-maker reached the right conclusion in the
18 view of the superior body, the court or tribunal, the
19 question is how the merits are to be taken into account
20 compatibly with judicial review principles, and the
21 question was addressed in these cases, and where I think
22 we have got to is that within the sphere of European
23 Union law it would certainly be appropriate to consider
24 whether the measure was proportionate. Proportionality
25 being a concept of EU administrative law. It is rather

1 uncertain as to what extent it applies under ordinary
2 judicial review but in the context of European judicial
3 review and what proportionality requires is that one
4 considers whether the decision goes beyond what is
5 necessary to achieve its stated objective, is more
6 intrusive in relation to some valued consideration than
7 is necessary to achieve the stated objective. So it is
8 a kind of means-ends rationality assessment.

9 Again, I am not terribly sure that proportionality
10 arises under any of the grounds in this case.

11 There is then a question about where proportionality
12 is not an issue, whether the reasonableness standard
13 needs to be somehow adjusted to make it more intensive,
14 and where I think the case law takes one, we can go to
15 the cases, is that it depends on the nature of the
16 decision which is being taken. It depends on whether
17 the decision is one which involves appraisal and
18 evaluation within the decision-maker's particular field
19 of expertise.

20 Insofar as that is the case, the correct approach is
21 to afford what is sometimes described as a margin of
22 discretion or a margin of appreciation where the court
23 or tribunal does not interfere unless satisfied that
24 there is really -- something has gone wrong, that there
25 is something materially wrong in the process of analysis

1 which the decision-maker has applied to arrive at their
2 conclusion.

3 An example might be some error of primary fact which
4 invalidates the train of reasoning which one sees in the
5 decision.

6 THE CHAIRMAN: Would that not come under the taking into
7 account the relevant factor in traditional JR?

8 MR. HOLMES: It may do, sir, although -- the trouble is I am
9 falling back -- I would not pretend, sir, to be
10 an expert in the field of contemporary public law. You
11 probably know more about it from your judicial
12 experience elsewhere than I do.

13 THE CHAIRMAN: Do not assume that, Mr. Holmes. This is,
14 I think I can say speaking from recollection,
15 technically the first JR case I have ever done. I have
16 applied the JR standard, but I have never done a JR
17 case, that is the other division.

18 MR. HOLMES: Very good, sir. But in general, errors of fact
19 were traditionally not accepted as a head of judicial
20 review. Factual findings were for the regulator and
21 I think it is a vexed question how far that has been
22 intruded upon, but I do not want to mislead the tribunal
23 so it may be it is something I am better addressing with
24 the assistance of general public law authority in
25 closing submissions if needed.

1 THE CHAIRMAN: If necessary. I was just trying to tease out
2 some of the notions with you. I doubt it will need to
3 go there.

4 MR. HOLMES: I am grateful, sir.

5 In areas of evaluation or appraisal, a margin of
6 discretion is to be allowed and, in my submission, it is
7 necessary to show that something has gone plainly wrong.

8 THE CHAIRMAN: And that is merits under this regime, is
9 that --

10 MR. HOLMES: That, in my submission, sir, is what merits
11 implies. Merits does not imply what might be described
12 as a full rehearing where the tribunal places itself in
13 the shoes of the primary decision-maker, hears evidence
14 afresh, and reaches its own conclusions based on the
15 evidence applying the statute. That plainly is not what
16 is required.

17 To use the colourful language of Lord Justice Jacob,
18 the vivid terminology of T-Mobile, it cannot be required
19 under Article 4 that a member state should put in place
20 a duplicate regulator waiting in the wings to repeat the
21 exercise which the appointed decision-maker has already
22 conducted. I should show you that, sir.

23 THE CHAIRMAN: The duplicate regulator being the court?

24 MR. HOLMES: The court or tribunal, exactly --

25 THE CHAIRMAN: I see.

1 MR. HOLMES: -- deciding the matter afresh. It is easier to
2 show you the passage rather than attempting to recall it
3 from memory.

4 THE CHAIRMAN: Just before we go on, Mr. Holmes, I am sorry
5 to keep interrupting.

6 MR. HOLMES: Not at all.

7 THE CHAIRMAN: How much of this really arises on the case we
8 have got? Do you say that Mr. Bowsher is trying to
9 sneak in some inadmissible merits? Because it seems to
10 me that most of what he has been saying comes down to
11 a question of construction, and therefore
12 lawfulness/unlawfulness, so we do not need to worry
13 about that, or it is his iure(?) point about the change
14 of circumstances, and it does not arise there either,
15 does it? Where does it arise?

16 MR. HOLMES: There are three particular ways in which it
17 arises. The first is under ground 2, the point we have
18 just been canvassing, whether Ofcom acted unreasonably
19 by failing to insert additional bespoke conditions to
20 address the concern that airlines might not install or
21 might not install immediately the satellite terminals as
22 part of their mobile stations, to describe them
23 neutrally. That is point one.

24 Point two, there are some hard-edged questions of
25 construction, but as you canvassed with Mr. Bowsher,

1 there is also an element of his case which addresses
2 a sort of broader question of whether the satellite
3 plays a useful role, will be used as part of a system,
4 and whether CGCs can be said to contribute usefully to
5 the services provided by the proposed system, to the
6 availability of the system of the required quality.

7 Now, there are mixed questions of law and of fact in
8 there. The questions of law are for the tribunal to
9 determine, but there are some -- there is also factual
10 assessment involved in Ofcom's conclusion that the EAN
11 was capable of conforming with the definition, and those
12 are questions of appraisal.

13 To take one particular example from ground 1(a),
14 just to illustrate the point, it is said against Ofcom
15 that Ofcom was wrong to conclude that the European
16 Aviation Network was capable of complying with one of
17 the CGC common conditions which specifies that the CGC
18 and the satellite should both be controlled by a single
19 spectrum resource and network management mechanism.

20 Mr. Bowsher made the submission yesterday that
21 no one had been able to identify any such mechanism.
22 That surprised me, sir, and it also, I think,
23 illustrates the need to be cautious and careful about
24 the fact that this is a judicial review of a decision by
25 Ofcom, because in the reasoning stated in the

1 authorisation statement prior to the decision, Ofcom
2 expressly found that there was a satellite resource and
3 network management mechanism, and identified it as,
4 I believe -- let me get the language correct -- the
5 integrated -- if I could ask you, sir, quickly to go to
6 the authorisation bundle just to make this point good.
7 Tab 1 of the authorisation bundle. Page 16. So page 16
8 is in Ofcom's conclusions. Does the tribunal have it?

9 THE CHAIRMAN: Yes.

10 MR. HOLMES: And at 4.6(b), you see the conclusion that:

11 "The CGCs are an integral part of [the] system; will
12 be controlled by the satellite resource and network
13 management mechanism ..."

14 Paragraph 3.8 is referenced. 3.8, a paragraph which
15 Mr. Bowsher did not show you in his opening submissions,
16 crisply describes the operation of the system as Ofcom
17 found it to be intended to work, and at 3.8(c), you see
18 that:

19 "Both the satellite gateway [that is to say the
20 terminal on the ground feeding information through the
21 satellite] and the Ground-based Stations connect to
22 a Routing Engine (also referred to as the Integrated
23 Transport Management Centre) which receives internet
24 services from internet services providers. The Routing
25 Engine determines whether the Communications Manager on

1 the plane should use the Satellite Terminal or the
2 Ground-facing Terminal according to prevailing
3 congestion, traffic load and link quality to make
4 optimum use of the available radio resources."

5 Now, so Ofcom found that this was all knit together
6 in a system which used the spectrum so as to avoid
7 interference and to deal with the efficient use of the
8 spectrum taking account of congestion, traffic load and
9 so on.

10 Now that, sir, in my submission, is a classic
11 example of technical appraisal. Now, I do not think
12 anyone at the Bar before you, sir, is well placed to
13 comment on whether the description of the EAN system can
14 be said to incorporate a satellite resource and network
15 management mechanism of the kind that was specified by
16 CEPT, in fact, as the expert body which then set the
17 framework for the subsequent harmonisation decisions.

18 But in my submission, my client, Ofcom, as the
19 appointed regulator, is well placed to undertake that
20 kind of technical appraisal, and the tribunal should be
21 slow to overturn a decision of that kind unless there
22 was some indication that Ofcom had gone wrong in some
23 respect which the tribunal is well placed to identify
24 based on the material before it.

25 THE CHAIRMAN: Just on that small point, does not one of the

1 witnesses also specifically refer to this point on the
2 evidence before us?

3 MR. HOLMES: Yes, sir, I believe it is dealt with in --

4 THE CHAIRMAN: I cannot remember who it is. I thought
5 someone -- I think Mr. Sharkey, is it?

6 MR. HOLMES: Yes.

7 THE CHAIRMAN: Actually says something about this.

8 MR. HOLMES: Indeed, sir, and Mr. Sharkey has provided
9 helpful contextual evidence which really confirms for
10 Inmarsat's part findings that were contained in the
11 authorisation statement. But what there is not is any
12 material, in my submission, before the tribunal which
13 would permit it to conclude, taking account of Ofcom's
14 margin of appreciation and matters of expert appraisal,
15 that Ofcom has gone wrong in any material respect in
16 that evaluative exercise.

17 Then the third way is really a very minor one. I am
18 not sure whether -- I mean, ground 3 was hardly opened
19 by Mr. Bowsher, and it may not be pursued. While
20 ground 2 was said to be serious, he did not dwell on
21 ground 3. But insofar as it is pursued we say --

22 THE CHAIRMAN: Remind us of ground 3.

23 MR. HOLMES: Ground 3 is the suggestion that Ofcom had and
24 should have exercised a residual discretion --

25 THE CHAIRMAN: Oh yes.

1 MR. HOLMES: -- to refuse the authorisation, despite the
2 obligation contained in Regulation 13 and Article 8, on
3 the basis of alleged concerns about competitive
4 distortion and adverse effects on, I believe, investment
5 and innovation. That is the argument.

6 You have heard what I say about that as my primary
7 submission: Ofcom lacked a discretion.

8 But Ofcom, given the representations that had
9 vociferously been made to it during the administrative
10 process, did consider what its statutory duties
11 suggested, if applicable. It was done briefly, but if
12 we are still in the authorisation bundle, I can show you
13 the passage.

14 Sorry, sir, I am jumping around rather. It is
15 helpful, I hope, to cover the points as they arise.

16 If you look at paragraph 4.8, Ofcom said there that:

17 "Insofar as they are applicable [that is a nod to
18 the legal point that I advance as my primary submission]
19 Ofcom is satisfied that its decision to authorise
20 Inmarsat's use of the ground-based stations is in
21 accordance with its general duties. The authorisation
22 will enable Inmarsat to use the frequency bands which
23 currently are not being used, lying fallow, to provide
24 an innovative service to consumers in the UK and EU."

25 Now, in my submission that is a classic regulatory

1 judgment that involves weighing a number of policy
2 considerations and taking a view based on Ofcom's
3 understanding of spectrum policy at European level and
4 at UK level, and of the needs of consumers in the market
5 based on its monitoring -- continual monitoring of the
6 market, and that is exactly the type of decision that is
7 not amenable of judicial review under any standard.
8 Only if something has gone plainly wrong, only if there
9 is some material error in the premises upon which Ofcom
10 arrived at that conclusion would it be one that could
11 possibly be revisited at the appellate stage, on
12 whatever standard of review.

13 Now, sir, I am conscious of the time. I can very,
14 very quickly take you to the cases now, before the
15 break.

16 THE CHAIRMAN: Yes.

17 MR. HOLMES: So tab 4 of the authorities bundle, the
18 *T-Mobile* case.

19 This case, sir, was concerned with the question of
20 whether, in order to achieve compliance with Article 4,
21 the correct course was for the High Court to entertain
22 the challenge by way of judicial review, or whether
23 instead the challenge should proceed in the tribunal,
24 applying EU law to invalidate or reinterpret the
25 jurisdiction of the tribunal so that the appeal could

1 proceed instead before the tribunal. To determine that,
2 the question was whether judicial review in the
3 High Court could do the job, whether it was flexible
4 enough to be capable of taking due account of the
5 merits.

6 THE CHAIRMAN: You had better tell me -- tell us what this
7 was an appeal from, what the background was. I am
8 afraid what you just said makes no sense without
9 context.

10 MR. HOLMES: I apologise, sir.

11 So, standing back, T-Mobile and Telefonica brought
12 an appeal against an Ofcom spectrum licensing decision.
13 They began in the tribunal. Ofcom raised an objection
14 of inadmissibility in the tribunal on the basis that it
15 was outside the jurisdiction of the tribunal because it
16 was a decision under schedule 8 and therefore was not
17 within the scope of section 192(1)(a), which the
18 tribunal will recall.

19 THE CHAIRMAN: Yes.

20 MR. HOLMES: They argued that insofar as schedule 8 applied,
21 it should be read down, or the relevant paragraph of it
22 should be struck out as incompatible with European Union
23 law on the basis that the effect of it, of that piece of
24 the domestic legislation, would be to deprive them of
25 their merits appeal to which they were entitled.

1 THE CHAIRMAN: The "them" is T-Mobile & Telefonica?

2 MR. HOLMES: So sorry, the appellants, yes.

3 THE CHAIRMAN: They argued that schedule 8 should be struck
4 down?

5 MR. HOLMES: Yes. The tribunal concluded that that was
6 incorrect; that schedule 8 -- sorry, that the statutory
7 route did not provide the exhaustive means of achieving
8 compliance with Article 4 because under English
9 administrative law there is always the inherent
10 jurisdiction of the High Court which permits any act of
11 a public authority to be brought before a judge and to
12 be challenged by way of judicial review.

13 They concluded that judicial review was flexible, as
14 was illustrated by cases in the field of human rights,
15 and that that flexibility was sufficient for judicial
16 review to meet the needs of Article 4 and therefore
17 there was no need to do any harm to the domestic
18 legislation.

19 THE CHAIRMAN: So schedule 8 stood because JR provided
20 an adequate alternative?

21 MR. HOLMES: Exactly. Exactly.

22 THE CHAIRMAN: Right.

23 MR. HOLMES: And that was appealed to the Court of Appeal,
24 and the Court of Appeal agreed with the tribunal that
25 judicial review was fine and well, thank you very much,

1 expressing, you know, in essence very much the view that
2 you have expressed during the course of the hearing, or
3 the idea that you have floated that judicial review is
4 really -- is well established and is capable of flexible
5 application according to the circumstances.

6 One sees that, so just to take you through the
7 judgment quickly, at paragraph 6 you see:

8 "The narrow point before us ... are these matters to
9 be raised by way of an appeal to the Competition Appeal
10 Tribunal ... or must they go by way of judicial
11 review ..."

12 THE CHAIRMAN: Sorry, "these points" being? What the
13 tribunal decided was a jurisdictional point. It decided
14 it did not have jurisdiction.

15 MR. HOLMES: And it was that preliminary issue which went on
16 appeal to the Court of Appeal. These objections are the
17 substantive arguments outlined in the preceding
18 paragraphs of the judgment, paragraphs 2 to 5, which
19 T-Mobile and O2 wished to raise in whatever was the
20 correct forum.

21 THE CHAIRMAN: Right.

22 MR. HOLMES: We can pick up, sir, at paragraph 20:

23 "Despite Lord Pannick's concession, Miss. Dinah Rose
24 QC for Ofcom rightly, firmly and forcefully [as is her
25 wont] went on to demonstrate that it was correctly made,

1 and that the JR standard of review can and does mould
2 itself to any requirement imposed by other rules of
3 law."

4 I am so sorry, I should have taken it from
5 paragraph 19, probably:

6 "... Lord Pannick's initial submission that JR would
7 not comply with Article 4."

8 And Lord Pannick made a concession during the course
9 of the proceedings, I think at the hearing, as I recall,
10 and Ms. Dinah Rose showed that that was the right
11 concession to make and that judicial review can mould
12 itself.

13 Then we see what judicial review means which takes
14 due account of the merits at paragraphs 29 to 31:

15 "Accordingly I think there can be no doubt that just
16 as JR was adapted because the Human Rights Act so
17 required, so it can and must be adapted to comply with
18 EU law and in particular Article 4 ...

19 "I would add this: it seems to me to be evident that
20 whether the 'appeal' went to the CAT or by way of JR,
21 the same standard for success would have to be shown.
22 In either case it would not be enough to invite the
23 tribunal to consider the matter afresh as if the award
24 had never been made."

25 Then a particular decision is then distinguished as

1 irrelevant, and then at paragraph 31, and this is the
2 passage upon which I place particular reliance:

3 "After all it is inconceivable that Article 4, in
4 requiring an appeal which can duly take into account the
5 merits, requires Member States to have in effect a fully
6 equipped duplicate regulatory body waiting in the wings
7 just for appeals. What is called for is an appeal body
8 and no more, a body which can look into whether the
9 regulator had got something material wrong. That may be
10 very difficult if all that is impugned is an overall
11 value judgment based upon competing commercial
12 considerations in the context of a public policy
13 decision."

14 That applies in spades to their ground 3. It
15 applies also to ground 2, and in my submission it can be
16 extended to evaluative questions relating to the
17 technical operation of the satellite system at issue in
18 this case.

19 THE CHAIRMAN: I am sorry, I am not seeing how you are
20 applying that to the grounds. This is stating what you
21 do on appeals?

22 MR. HOLMES: Yes. The final sentence, sir, of paragraph 31
23 indicates --

24 THE CHAIRMAN: Oh, I see.

25 MR. HOLMES: -- that it would be very difficult to conclude

1 that a regulator has got something material wrong if
2 what is impugned is an overall value judgment.

3 Now, ground 3, concerning the application of general
4 statutory duties and an assessment of competitive
5 conditions, what is required for innovation, incentives
6 to invest, those are surely questions of high regulatory
7 policy of a kind that it would be difficult to challenge
8 as materially wrong, unless there is some underlying
9 premise which was fundamentally misconceived. Now, just
10 for your note, sir -- I am conscious of the time -- it
11 is also worth looking at the application of the
12 *T-Mobile* formula in another Article 4
13 judicial review before Mr. Justice Cranston.

14 THE CHAIRMAN: Before you move on, so this case decides,
15 first of all, that for the purpose of this appeal it
16 does not matter to us, schedule 8 could safely exclude
17 the appeals to Ofcom because there was the JR route?

18 MR. HOLMES: Exactly so, sir.

19 THE CHAIRMAN: And what Lord Justice Jacob is reflecting on
20 is what you do via the JR route.

21 MR. HOLMES: Yes.

22 THE CHAIRMAN: Which is JR, basically?

23 MR. HOLMES: Yes, sir.

24 THE CHAIRMAN: Right. When I say that is all he is doing,
25 I do not want to minimise it, but that is all this case

1 tells us?

2 MR. HOLMES: This case tells us, sheds light on the standard
3 of review, because that was the key issue for
4 determining whether judicial review was compliant.

5 THE CHAIRMAN: Yes, but with all due respect, it does not
6 tell us very much there. What it tells us in
7 paragraph 31 is what the limits of the process are.

8 MR. HOLMES: That is correct, sir, yes.

9 THE CHAIRMAN: In other words, you do not embark upon a full
10 investigation of the merits, again. That is the last
11 sentence -- well, a particular consideration.

12 MR. HOLMES: It goes slightly further than that, yes. It
13 suggests there are some types of decision which are
14 really very difficult to impugn by way of even judicial
15 review which takes due account of the merits, and those
16 are decisions which involve broad questions of policy.

17 THE CHAIRMAN: It does not tell us what taking into account
18 the merits is: it tells us what it is not?

19 MR. HOLMES: Yes, sir, I think that is a fair observation.

20 THE CHAIRMAN: Right. One more case and then we will have
21 our transcribers' break.

22 MR. HOLMES: The other case I would like to show you is at
23 tab -- I think I will take you to an authority from
24 another context under general EU law, which is the
25 *Mabanaft* case at tab 5. There are

1 a couple of other authorities but I can give you the
2 references to those in my written closing submissions.

3 This is a case relied on --

4 THE CHAIRMAN: You can --

5 MR. HOLMES: I am setting out the relevant passages.

6 THE CHAIRMAN: Yes, I am sorry, just to anticipate the way
7 you may be conducting your final submissions, we do not
8 propose to receive final submissions which are simply
9 hurling documentary and authority cross-references at us
10 which we go away and read at our leisure. I hope you
11 are going to take us to relevant authorities.

12 MR. HOLMES: I shall, sir. Perhaps --

13 THE CHAIRMAN: I am not bothered about when you do it,
14 I just want to put down a flag that I do not expect that
15 we will receive a reading list of authorities in your
16 final submissions which we are expected to go away and
17 work out for ourselves.

18 MR. HOLMES: I am grateful, sir. The written closings are
19 a support for the oral proceedings and they are not
20 intended to substitute for them. That is well
21 understood.

22 So at tab 5, the case is *Mabanaft* .

23 So this is from another area, but I should take you to
24 it because it is relied on against me by my learned
25 friend Mr. Bowsher in order to show that judicial review

1 under European Union law is intensive. The facts,
2 I think, need not concern us. It was a decision of the
3 Secretary of State to impose rules regarding crude oil
4 reserves under legislation implementing a harmonising
5 directive, and which was subject to a requirement to
6 ensure that the rules were fair -- let me get the
7 formulation right -- were fair and non-discriminatory.

8 The passage that Mr. Bowsher relies upon is at
9 paragraph 30, where Lady Justice Arden giving the
10 decision of the court says:

11 "The decision of the Secretary of State which
12 *Mabanaft* challenges is a decision to
13 set up a new regime imposing stocking obligations on
14 both importers and refiners. By virtue of his decision,
15 these obligations are not to be assessed by reference to
16 the minimum operating requirements established by the
17 IEA ... this decision was taken pursuant to Article 3(2)
18 of the 2006 directive. It is therefore subject to
19 judicial scrutiny in accordance with the principles of
20 judicial review laid down by Community law. These are
21 in general stricter than the test of *Wednesbury*
22 unreasonableness [which I referred to earlier] used in
23 domestic law, and are not lower than that test, and so
24 it is common ground that we need only concern ourselves
25 with the question whether the Secretary of State's

1 decision should be set aside under Community law."

2 Now, the only proposition I want to get from this is
3 at paragraph 32 where Lady Justice Arden observes that:

4 "... the obligation imposed [under the relevant
5 provision] confers freedom on the member states to
6 choose the method by which they will comply with their
7 obligations ... it follows under Community law that the
8 court must allow the Secretary of State a large measure
9 of discretion in choosing an appropriate method. In
10 reviewing the legality of the exercise of such
11 discretion, the court must limit itself to examining
12 whether the decision of the Secretary of State discloses
13 a manifest error or constitutes the misuse of powers or
14 there has been a clear disregard of the limits of his
15 discretion. This is because under Community law, where
16 the decision-maker in the member state is required to
17 evaluate a complex economic situation -- and the same
18 would apply to a complex technical situation as here --
19 the intensity of the review is low. The decision-maker
20 will enjoy a large measure of discretion and the court
21 will limit itself to asking [I think it should be
22 whether] the assessment is manifestly unreasonable. The
23 court will not substitute its judgment for that of the
24 decision maker."

25 Then it refers to the Upjohn case.

1 I am not suggesting -- the facts of that case are
2 obviously very different, but the basic proposition is
3 that as a matter of European Union law, as under
4 domestic judicial review, the standard of review is not
5 intensive where there are complex technical questions of
6 evaluation or where there are broad questions of policy
7 in play, and I emphasise the words that the same
8 approach would apply to a complex technical situation,
9 and the criteria that Lady Justice Arden identifies as
10 though to which the court must limit itself, whether
11 there is a manifest error, misuse of powers, or a clear
12 disregard of the limits of discretion, are really, in my
13 submission, very close to classic judicial review, as
14 I described it before.

15 So those are my submissions on the standard of
16 review. That is taken me much too long, but I propose
17 now to turn to ground 1(a), which is the remaining
18 element of the case that I must meet.

19 THE CHAIRMAN: Before you do that we will have our
20 five-minute break for the shorthand writers.

21 (11.44 am)

22 (A short break)

23 (11.55 am)

24 THE CHAIRMAN: Yes.

25 MR. HOLMES: Sir, in order to address the statutory

1 construction points it is helpful to return to the
2 European harmonising legislation. If I could ask you to
3 take up bundle F and turn to tab 5, this is the first
4 stage in the progressive harmonisation affected by
5 European Union law, February 2007.

6 The meat of the decision is in Article 3, and
7 paragraph (1) requires member states to make available
8 the 2 GHz bands for use by mobile satellite systems,
9 systems providing mobile satellite services.

10 Article 3 does not preclude other uses, but what the
11 second unnumbered subparagraph of article 3(1) shows is
12 that such other uses as are made should not cause
13 harmful interference to mobile satellite systems and
14 should not be allowed to claim any protection from
15 harmful interference caused by mobile satellite systems.

16 So in the interests of avoiding interference, mobile
17 satellite services are given a priority over other
18 systems, and the reason behind this prioritisation is
19 explained in the recitals. Recital 2 explains the
20 Commission's general policy, which is to promote new and
21 innovative communications system using any kind of
22 technical platform and capable of providing services
23 whether at the level of the member states, regionally or
24 at a pan-European level. Recital 3 then turns
25 specifically to mobile satellite systems, and it

1 explains that:

2 "... systems capable of providing mobile satellite
3 services are seen as an innovative platform able to
4 provide various types of pan-European telecommunications
5 and broadcasting/multi-casting services regardless of
6 the location of end users ..."

7 Various examples are then given.

8 "These services could improve coverage of rural
9 areas in the Community thus bridging the digital divide.
10 The introduction of new systems providing MSS would
11 potentially contribute to the development of the
12 internal market and enhance competition by increasing
13 the offering and availability of pan-European services
14 and end-to-end connectivity as well as encouraging
15 efficient investments."

16 So we take two points from this. First, the
17 particular advantage identified for mobile satellite
18 systems which explains the decision to prioritise their
19 use is their potential to increase the offering and
20 availability of pan-European services. The recital
21 mentions pan-European not once but twice, and also lays
22 emphasis on the availability of such services regardless
23 of location. It is, therefore, the wide coverage which
24 satellite systems are able to achieve which commends
25 them to the European Commission.

1 The reason is, of course, because satellites sit so
2 far above the earth's surface that they are able to
3 cover with their beams up to a third of the earth's
4 surface.

5 The second point we take is that provided that the
6 system achieves wide coverage, the European framework is
7 not prescriptive as to the particular service the mobile
8 satellite systems provide. The recital refers to
9 various types of pan-European telecommunications and
10 broadcasting multi-media services in an unspecific way,
11 and it is said because of their wide coverage, such
12 services could help to bring services to under-served
13 rural areas, but this is identified as only one of the
14 possible uses to which such systems --

15 THE CHAIRMAN: That depends what you mean by "could".

16 "Could" might mean, "amongst other things could" or it
17 might mean "might be capable of". "Could" has two
18 possible meanings --

19 MR. HOLMES: That is correct, sir, but in this particular
20 case, one needs to look at the CEPT decision which is
21 really the inspiration, and if we go back to that, sir,
22 as I shall in a moment, it confirms that the correct
23 interpretation of "could" in this context is as implying
24 that there are a range of uses of which wide coverage is
25 only one -- sorry, of which rural connectivity is only

1 one. Wide coverage is the key in all cases, but there
2 are various services with various advantages that could
3 be offered.

4 Now, Viasat has tried to characterise Inmarsat's
5 proposed service as a niche service and has suggested
6 that the legislation was really about improving the
7 digital divide. We say that that is not a correct
8 reading of the legislation.

9 Recital 9 then explains why it is necessary to
10 prioritise the use of mobile satellite systems over
11 separate purely terrestrial mobile systems used to
12 provide -- such as are used to provide mobile telephone
13 services.

14 Now, we have seen that the Commission's decision was
15 preceded by the CEPT report. The European Conference of
16 Postal and Telecommunications Administration on which
17 the national regulators all sit. Recital 9 explains
18 that the:

19 "CEPT has concluded that the co-existence of systems
20 capable of providing MSS and systems providing
21 terrestrial-only mobile services in the same spectrum
22 without harmful interference is not feasible in the same
23 geographic area. Consequently, in order to avoid
24 harmful interference to MSS and inefficient use of
25 spectrum, it is necessary to designate and make

1 available the 2 GHz bands to systems capable of
2 providing mobile satellite services on a primary basis.
3 This means that where the 2 GHz bands are used by other
4 systems which are not capable of providing MSS, these
5 other systems should not cause harmful interference to
6 nor claim protection from systems providing mobile
7 satellite services."

8 We have seen how that is affected by Article 3.

9 A central plank of Viasat's case is that the
10 legislation is based around a prioritisation of earth
11 satellite communications within a mobile satellite
12 system, and that this therefore requires that the
13 preponderant use made of the 2 GHz frequency bands
14 should be to provide communications from the satellite.

15 But in our submission, that is not the
16 prioritisation which underlies the legislation at all.
17 It is true that the European legislation is built upon
18 a prioritisation of mobile satellite systems, which are
19 permitted to use the bands on a primary basis in order
20 to protect them from harmful interference from separate
21 mobile terrestrial systems, but there is no basis for
22 saying that any particular component of a mobile
23 satellite system must provide the preponderant use.

24 On the contrary, recital 9 goes on to explain that
25 based on the expert opinion of the CEPT, picking up

1 where I left off:

2 "... CGCs would not cause harmful interference as
3 long as they are an integral part of the system
4 providing mobile satellite services, are controlled by
5 the resource and network management mechanism of such
6 system, and are operating on the same portions of
7 frequency bands as the satellite components of the
8 system. Under those conditions, subject to
9 an appropriate authorisation regime, CGCs could also be
10 utilised even if signals are not transmitted through the
11 satellite components."

12 This explains the choice to permit mobile satellite
13 systems to include ground-based stations as well as
14 satellites.

15 They are consistent with the wide coverage achieved
16 by the satellite, they do not detract from that, and
17 they do not cause harmful interference, provided that
18 they are part of the same system.

19 So the prioritisation of mobile satellite systems
20 over separate terrestrial mobile systems providing
21 a different service, simply does not apply to require
22 any prioritisation of the extent to which the mobile
23 satellite services are provided by the satellite or by
24 the ground stations.

25 We do also attach significance to the final sentence

1 in the recital, referring to -- it shows that the CGCs
2 may be used to carry signals independently of the
3 satellite, and in my submission that shows that they are
4 not confined to propagating a signal also transmitted by
5 the satellite. They can also be used to carry signals
6 separately and independently, and because they can use
7 the spectrum independently, they can be used to
8 contribute to the capacity of the system and they are
9 not confined to plugging holes in the satellite's
10 coverage by re-propagating the signal from the
11 satellite.

12 The other point to note about recital 9 is that it
13 is, of course, the origin of the various CGC common
14 conditions, and one sees why those common conditions are
15 being specified.

16 The purpose is to ensure that CGCs do not cause
17 harmful interference, so when interpreting what is meant
18 by, for example, a resource and network management
19 mechanism, the touchstone should be what the system
20 needs to encompass to avoid harmful interference, any
21 contradiction in the use of the spectrum made by the
22 ground stations and the satellite respectively.

23 In my submission, all of those points are made good
24 by the CEPT report which precedes the decision. If we
25 could go previously there, that is at the previous tab,

1 tab 4, and beginning at page 5 in the third paragraph:

2 "MSS systems provide ubiquitous connectivity through
3 widespread, international coverage, with simultaneous
4 access to the satellite service at the instant of
5 service commencement in the entire footprint of the
6 satellite."

7 That is the coverage point which explains the
8 particular appeal of satellite systems, systems
9 incorporating at least one satellite, pan-European
10 service provision:

11 "Such service, although not indispensable for the
12 wider public, is an integral part of some niche markets
13 in which MSS has traditionally provided services
14 including maritime ... aeronautical (which includes the
15 provision of communications to aircraft for the purposes
16 of air traffic management, operational communications
17 for airlines and communications for passengers);
18 exploration ... and public safety."

19 And as you observed, sir, that shows that from the
20 get-go an aeronautical system was within the
21 contemplation of the harmonising legislation. Equally,
22 niche markets are among the uses expressly contemplated.

23 The following paragraph begins with the words:

24 "In addition, even on land there are areas within
25 the EU where terrestrial communications do not reach or

1 where the service levels of such terrestrial
2 communications systems are not sufficiently high, such
3 as in some rural areas where the economics or geography
4 do not support terrestrial system build-out."

5 Two points to note. First of all, the "in
6 addition". In my submission that supports the
7 interpretation of "could" as meaning that the provision
8 of rural connectivity services is only one of the
9 intended functions to which mobile satellite systems
10 could be put.

11 I would also emphasise the words "even on land". So
12 it was always contemplated that one particular role that
13 mobile satellite systems -- the satellite component of
14 a mobile satellite system could play is in reaching the
15 parts that other components could not reach. Again, the
16 broad coverage allowing for people to consult their
17 e-mail not only over the Bay of Biscay, but also over
18 large swathes of the Mediterranean, the North Sea, the
19 Baltic, all those areas where other network components
20 cannot assist.

21 Turning on to page 11 --

22 THE CHAIRMAN: Well, page 6.

23 MR. HOLMES: Yes, sir.

24 THE CHAIRMAN: The third paragraph, the second complete
25 paragraph, that does seem to have an emphasis on rural

1 developments.

2 MR. HOLMES: Yes, sir. There is no doubt that one of the
3 appealing considerations -- one of the appeals of mobile
4 satellite systems was the hope that they might help with
5 the digital divide, and one sees that in many places, in
6 a number of recitals of the various decisions.

7 But in my submission, read together with what we
8 have seen, that was one possible use that might emerge.
9 It was one that might well have appealed in particular
10 to many of those involved in the policy process, but it
11 was not a requirement that was transposed into the
12 legislation and, moreover, it is worth bearing in mind
13 that the selection process was to appoint more than one
14 system operator. If one looks at the provisions, there
15 were a minimum of two operators, given the amount of
16 spectrum available, so the maximum allocation that was
17 possible was an uplink and a downlink block of 15 MHz
18 each out of the total 60 MHz, so one operator would get
19 30 MHz maximum and the other operator would get up to
20 30, if there were two. As it turned out there were only
21 two that met the eligibility criteria and therefore that
22 is what we ended up with, two being selected.

23 But more could have been selected, depending upon
24 the candidates that came forward, and it could not be
25 assumed that those systems would all provide the same

1 functionality. Indeed, the variety of services which
2 are emphasised suggests that that was not what the
3 European Union legislature was looking for. So we are
4 concerned with one of the operators here having adopted
5 one use which, in my submission, is within the
6 permissible scope of the legislation and was always
7 a use contemplated by those who were designing and
8 driving forward the harmonisation process.

9 THE CHAIRMAN: It does not look at though the tender
10 requirements, so far as we can tell, actually required
11 anybody to specify a use. They just had to specify they
12 were up to the job of providing a satellite service.
13 They did not have to say: it will be terrestrial, it
14 will be maritime, it will be aeronautical. They just
15 had to say: we are up to it.

16 MR. HOLMES: Sir, one needs to be -- they had to bring forward
17 a business plan. I think it might be better if
18 I address that when I come to the call for applications,
19 but the business plan, including revenue forecasts, and
20 so on, would inevitably have involved some
21 identification of the particular use to which this
22 system was to be put.

23 THE CHAIRMAN: Yes.

24 MR. HOLMES: But I do submit that the focus of the scoring
25 was primarily upon coverage, and also a consideration of

1 the number of users that would be reached, which were
2 generic considerations that could have applied to
3 a number of different uses.

4 You have my point already that the selection was to
5 appoint operators. The particular fruit of the
6 selection process were the commitments and the operators
7 were held to those commitments by means of the Article 7
8 common conditions that were then to be inserted in
9 national authorisations and enforced via the harmonised
10 enforcement procedure.

11 THE CHAIRMAN: Sorry, you were trying to take us to page?

12 MR. HOLMES: Page 11, sir. This is where we come to a more
13 detailed discussion of complementary ground components,
14 and then there is the heading in wonderful European
15 English "Elements about CGC":

16 "Complementary Ground Components ... ie ground-based
17 stations operating at the same frequencies as the
18 associated satellites and used at fixed locations to
19 improve the availability of MSS (that is mobile
20 satellite services), for example in areas where the
21 communication with space stations cannot be guaranteed.
22 Typically CGC can improve the quality of service
23 available to users by ensuring that MSS services can be
24 extended into areas where traditionally service
25 availability has been poor ..."

1 And that is the urban canyon or mountainous region
2 scenario.

3 "Furthermore, they may play an important role in
4 enhancing the efficiency use of the radio spectrum. some
5 types of CGCs can transit traffic from one end user to
6 another without passing through the satellite component
7 of the system, reusing spectrum used by the satellite in
8 another geographical area. Such direct routing would
9 temporarily bypass the satellite component to provide
10 communication services which are identical to and fully
11 integrated with the service offered throughout the whole
12 MSS system footprint. Such bypass would allow increased
13 spectrum efficiency for MSS in line with the EU spectrum
14 policy."

15 Now, pausing there, two points to make. The first
16 is that the problem of particular coverage not-spots, to
17 use a modern term, areas within the satellite footprint
18 where there are obstructions to the line of sight which
19 prevent the satellite's signal being received, the urban
20 canyon scenario, are identified, but as an example of
21 a use to which CGCs could be put, and that is shown both
22 by the words "for example" and by the word "typically".

23 Then one sees "Furthermore", another use identified,
24 which is rather technically expressed, but the key point
25 here is that you could have independent use of the CGCs

1 over the same spectrum to enhance capacity, to promote
2 the efficient use of the radio spectrum.

3 In my submission that is what the CGCs within the
4 EAN are intended to achieve. That was contemplated by
5 the CEPT. It was not all just about line of sight and
6 continuous reception of the signal. It was also about
7 the possibility of efficient use of the spectrum through
8 independent transmission from the CGCs.

9 We then see that:

10 "An increasing number of MSS operators, are
11 considering the possibility of extending their
12 international MSS operations with CGCs."

13 It turns out this was done first in the
14 United States and Canada, as so often, all good things
15 come from the United States.

16 Then:

17 "Apart from providing more efficient spectrum use,
18 CGCs will benefit consumers by allowing MSS to provide
19 improved quality of service."

20 Then skipping on to "CGCs", I think a paragraph that
21 Mr. Bowsler showed you:

22 "CGCs differ from independent ground components used
23 by MS operators as they are technically and
24 operationally an integral part of the satellite system
25 and are controlled by the resource and network

1 management mechanism of such system operating on the
2 same frequencies as the associated satellite components
3 and being delivered to an integrated user terminal.
4 While the co-existence of MSS and MS in the same
5 frequency band is impossible, because satellite
6 components and CGCs have a common spectrum control,
7 frequencies can be coordinated to ensure that no inter-
8 or intra-system interference is caused."

9 So what this is saying is that the prioritisation of
10 mobile satellite systems over MS operators, that is to
11 say a purely mobile system, mobile terrestrial system
12 operators, is important to avoid interference, but
13 provided the CGCs are controlled as part of a common
14 mechanism, they can co-exist, and you note also the
15 reference to being delivered to an integrated user
16 terminal.

17 So the user terminal receives signals, is capable of
18 receiving signals from both the ground stations and from
19 the satellite, and we say that is of relevance to ground
20 1(a), first limb, the argument that we should construe
21 "mobile earth station" so as though exclude that part of
22 the equipment on the plane which is used to connect with
23 the ground station because it is not capable -- that
24 particular antenna is not capable of connecting with the
25 CGC -- with the satellite.

1 So the second step in the harmonisation process was
2 the EU decision, and that is at tab 6 of bundle F. That
3 adds two elements to the harmonisation of the frequency
4 bands: selection and authorisation. On the one hand it
5 establishes a harmonised process for selecting
6 operators, and on the other hand it imposes harmonised
7 requirements to authorise the operators selected as
8 a result of that process.

9 So beginning with the preamble, recitals 1 to 3 are,
10 in my submission, scene-setting recitals. They are not
11 expressing the views of the legislature itself. They
12 are identifying previous remarks made by three
13 institutions of relevance to the harmonisation of radio
14 spectrum, beginning with the Council in recital 1, the
15 European Parliament in recital 2, and the Commission in
16 recital 3. We then come to recital 4, which refers to
17 the harmonisation directive -- sorry, to the Framework
18 Directive and in recital 5 --

19 THE CHAIRMAN: Sorry, just going back to the scene-setting
20 thing, I am not quite sure how dismissive you were being
21 or were intending to be of the other institutions that
22 were referred to, and you are right, it refers to the
23 Council and the European Parliament and then the
24 Commission, but in the third paragraph of the overall
25 document it says, "Having regard to the proposal from

1 the Commission", so obviously the Parliament and Council
2 were basically implementing the proposed Commission's
3 views, or thought they were.

4 MR. HOLMES: It is a tripartite legislative process in which
5 the Commission proposes and then the Council and the
6 Parliament can amend and must approve.

7 THE CHAIRMAN: Yes.

8 MR. HOLMES: But you are quite right, sir. I did not mean
9 to be dismissive, it is simply that they do not express
10 with one voice the legislative intention behind the
11 legislation. That actually begins, in my submission, at
12 recital 5. It is a point of, I think, very minor
13 importance. I do not attach any significant weight to
14 it. It is simply that if you want to understand what is
15 the legislative purpose, the best place to start is with
16 recital 5 which returns to the policy objective
17 identified in the harmonisation decision and focuses, as
18 the harmonisation decision did, upon the coverage role
19 that the satellite component of a mobile satellite
20 system brings, allowing pan-European services regardless
21 of the location of end users.

22 Recital 6 notes that satellite systems are
23 susceptible to international and regional regulation
24 precisely because of this wide area coverage, crossing
25 national borders.

1 At the end of this recital one sees the observation
2 that:

3 "New applications of mobile satellite systems will
4 emerge in the coming years."

5 So in my submission this further underlines the fact
6 that the legislation is permissive as to the uses to
7 which mobile satellite systems may be put, and it also
8 explains why the legislation is not prescriptive: mobile
9 satellite systems can be used to serve a range of
10 purposes, which are evolving over time.

11 Recital 7 then refers to the harmonisation decision.
12 Recital 8 notes that the earlier decision did not cover
13 procedures for the assignment of spectrum and granting
14 rights of use, in other words, selection and
15 authorisation.

16 Recital 9 refers to the authorisation directive.
17 Now, this is the directive under the common regulatory
18 framework which concerns licensing of communications
19 services generally, and it is a sort of -- it is a light
20 harmonisation. Licensing and authorisation is left to
21 member states' national authorities. There is no
22 European licensing of operators as a rule, subject to
23 requirements, as you would expect, of non-discrimination
24 and of that kind.

25 Recital 9 observes that generally operators are

1 selected and authorised at national level under the
2 existing EU regulatory framework for electronic
3 communications.

4 But it notes one relevant exception to that, which
5 is Article 8 of the authorisation directive, and I think
6 this is relevant to the question of whether Ofcom
7 enjoyed any discretion. So we might just quickly turn
8 it up. It is at tab 2A. We will return to the EU
9 decision, but if I could take you quickly to 2A, you
10 will see that Article 8 provides that:

11 "Where the usage of radio frequencies has been
12 harmonised, access conditions and procedures have been
13 agreed, and undertakings to which the radio frequencies
14 shall be assigned have been selected in accordance with
15 international agreements and Community rules, Member
16 States shall grant the right of use for such radio
17 frequencies in accordance therewith. Provided that all
18 national conditions attached to the right to use the
19 radio frequencies concerned have been satisfied in the
20 case of a common selection procedure, Member States
21 shall not impose any further conditions, additional
22 criteria or procedures which would restrict, alter or
23 delay the correct implementation of the common
24 assignment of such radio frequencies."

25 So an emphasis that where you have, as here, the

1 selection of an operator under European law, the member
2 states shall grant the right of use.

3 Turning to the accompanying recital, which is
4 recital 24 in the preamble of the directive, one sees
5 the same point:

6 "Where the harmonised assignment of radio
7 frequencies to particular undertakings has been agreed
8 at European level, member states should strictly
9 implement such agreements in the granting of rights of
10 use of radio frequencies from the national frequency
11 usage plan."

12 "Strictly implement".

13 Returning, if I may, to the European decision at
14 tab 6, that is recital 9. Recitals 11 and 12 explain
15 the reason why the selection of operators needs to be
16 harmonised, and recital 11 deals firstly with the
17 selection criteria to be applied and it explains that:

18 "In order to prevent Member States from taking
19 decisions that might lead to fragmentation of the
20 internal market and undermine the objectives identified
21 in Article 8 of the [framework] Directive ... selection
22 criteria for mobile satellite systems should
23 exceptionally be harmonised so that the selection
24 process results in availability of [mobile satellite
25 services] across the European Union."

1 The reason why it is important to ensure that
2 availability is explained in the final sentence, or one
3 of the reasons:

4 "High up-front investment is required for the
5 development of mobile satellite systems and the
6 associated high technological and financial risks
7 necessitate an economy of scale for such systems in the
8 form of wide pan-European geographic coverage, so that
9 they remain economically viable."

10 So just to break that down a little, a satellite is
11 capable of broad coverage, providing a pan-European
12 service. Now, you could have a number of satellites up
13 there which could reach the whole of Europe, but which
14 because of a chequerboard approach to licensing, in fact
15 serve a differing selection of member states.

16 But the difficulty with that is that it would result
17 in a division of the commercial benefits that could be
18 achieved from launching a satellite, and therefore make
19 it harder to obtain the huge sums and to run the
20 significant project risks which are involved in the
21 launch of a satellite. So for that reason, the
22 legislature -- in order to foster these systems which
23 incorporate these expensive and delicate and difficult
24 pieces of equipment, it was necessary to ensure that all
25 member states, that the same operators were selected

1 across the Union, and the same point applies then, of
2 course, also -- and so that requires, first of all,
3 common selection criteria, recital 11, and recital 12,
4 it also requires the same authority to select:

5 "... the successful launch of MSS requires
6 coordination of regulatory action by member states.
7 Differences in national selection procedures could still
8 create fragmentation of the internal market due to the
9 divergent implementation of selection criteria,
10 including the weighting of the criteria, or different
11 timescales of the selection procedures."

12 So to cut a long story short, you had to have
13 a single authority doing this selection and that was the
14 European Commission.

15 But the same point that applies to selection applies
16 also to authorisation. There is no point achieving
17 a single selection of pan-European operators if member
18 states then decline to authorise -- some member states
19 decline to authorise while others authorise, and one
20 sees that from recital 13:

21 "Since authorisation of the selected operators of
22 mobile satellite systems involves attachment of
23 conditions to such authorisations and a broad range of
24 national provisions applicable in the field of
25 electronic communications must thus be taken into

1 account, the authorisation issues should be dealt with
2 by the competent authorities of the Member States."

3 So licensing kept at the national level because
4 there is national legislation to be considered, and also
5 national conditions to be taken into account. I showed
6 you, for example, the technical conditions which had to
7 be attached to the CGC authorisations to avoid
8 interference in adjacent bands, the use of which might
9 vary from member state to member state. So you still
10 needed to have the national authorities involved.

11 But then one comes to the crux:

12 "However, in order to ensure consistency of
13 authorisation approaches between different Member
14 States, provisions relating to the synchronised
15 assignment of spectrum and harmonised authorisation
16 conditions should be established at the [EU] level,
17 without prejudice to specified national conditions
18 compatible with Community law."

19 And, in my submission, the approach taken, reflected
20 in recital 13, explains why Articles 7 and 8 are framed
21 as mandatory obligations on the national authorities to
22 avoid fragmentation of the internal market and to ensure
23 that the selected operators are, in fact, able to
24 operate in all member states, so that the economies of
25 scale needed to get satellites -- the satellite

1 component of a mobile satellite system up in the air can
2 be exploited by the successful candidates.

3 Now, recitals 14 to 17 concern the selection
4 procedure. Recital 14 is relied upon by Viasat on the
5 basis that it shows a social policy focus to mobile
6 satellite services, but considering the recital, it
7 shows in fact the identification of this as one possible
8 outcome:

9 "MSS can generally reach geographic areas not well
10 covered by other electronic communications services [the
11 coverage point] in particular rural areas. The
12 coordinated selection and authorisation of new systems
13 providing MSS could therefore play an important role in
14 bridging the digital divide by improving the
15 accessibility, speed and quality of electronic
16 communications services in these areas, thus
17 contributing to social cohesion. Therefore, the
18 proposed coverage area of MSS (service area), as well as
19 the time frame for providing MSS within all Member
20 States, are important characteristics which should be
21 taken into account in an appropriate matter during the
22 selection procedure."

23 Now I emphasise the word "could". It does not
24 suggest that the social policy objective is essential:
25 it is one role that mobile satellite services could

1 provide.

2 In recital 15 one finds recognition of the:

3 "... comparatively long period of time and complex
4 technical development steps required for the launch of
5 [mobile satellite services, and for those reasons],
6 progress in the technical and commercial development of
7 mobile satellite systems should be assessed as part of
8 the selection procedure."

9 So recognition that this is a fraught and
10 a difficult process, getting a satellite up in the air.
11 It is therefore unsurprising, in my submission, that
12 when one comes to look at the Call for Applications and
13 the criteria on which applicants were scored, such
14 a focus was placed upon the satellite component. That
15 was a necessary component of a mobile satellite system,
16 and indeed it conferred the coverage benefit, which was
17 why the EU embarked on this harmonisation process at
18 all.

19 But it does not show that CGCs cannot be used as
20 an important element of a system and it does not show
21 any prioritisation of the satellite component in the
22 subsequent functioning of the mobile satellite system.

23 Then at recital 18 one comes to the authorisation of
24 CGCs, and Mr. Bowsher relies on the typical use
25 identified. So:

1 "Complementary ground components are an integral
2 part of a mobile satellite system and are used,
3 typically, to enhance the services offered via the
4 satellite in areas where it may not be possible to
5 retain a continuous line of sight with the satellite due
6 to obstructions in the skyline caused by buildings and
7 terrain."

8 He says that shows that more often than not within
9 a system, the complementary ground components should
10 play the role of providing for continuous line of sight,
11 addressing the urban canyon problem, in particular
12 problems of coverage.

13 Now, sir, we rely on the word "typically" as showing
14 that this is only one possible function, even if it was
15 the one that was envisaged at the time as the most
16 likely to be adopted, and there is no requirement that
17 complementary ground components are used only, or at all
18 for that purpose, within a given mobile satellite
19 system.

20 The language "typically" of course comes from the
21 CEPT report, which I showed you, that is the origin of
22 it, and we saw in the CEPT report specific
23 acknowledgment that that was not the only use to which
24 CGCs could be put: they could also be used to ensure
25 efficient use of spectrum, enhancing the capacity that

1 could be achieved by the system, and that, we say,
2 endorses our interpretation of recital 18.

3 The remainder of recital 18 then identifies the need
4 for an authorisation regime in very similar terms to the
5 regime under recital ... (Pause)

6 So the remainder of the recital then identifies the
7 need for an authorisation regime in very similar terms
8 to the regime described in recital 13, which governs the
9 authorisation of mobile satellite systems more broadly.
10 As with authorisations of the systems themselves, it
11 says that operators should be:

12 "... selected and authorised at national level
13 subject to conditions established by Community law."

14 The final point to note, recitals 21 and 22, provide
15 that:

16 "Decisions on the withdrawal of authorisations
17 granted in relation to [mobile satellite services] or
18 complementary ground components due to the
19 non-fulfilment of obligations should be enforced at
20 national level."

21 But recital 22 anticipates harmonisation in this
22 field also by noting that:

23 "... it should remain possible for the Commission to
24 define the modalities of a coordinated monitoring and/or
25 enforcement procedure."

1 And that has, indeed, come to pass.

2 Turning to the operative provisions, I can deal with
3 these briefly because I have already been through them
4 yesterday.

5 Title I deals with object, scope and definition.
6 The definitions in Article 2 I do need to pause over
7 because they are obviously central to the ground 1(a)
8 statutory construction arguments, and beginning with
9 mobile satellite systems, the definition entails, as the
10 tribunal has seen, three basic components of a mobile
11 satellite system. The first is mobile earth stations.
12 These are not defined in the legislation but are clearly
13 intended to be portable pieces of equipment, hence
14 "mobile" through which a communication service is
15 provided to end users. They are where end users
16 connect.

17 Second, there must be at least one satellite or
18 space station in the system, and there needs to be at
19 least one satellite because that is how you secure the
20 pan-European coverage which explains the harmonisation.

21 Thirdly, there may also be complementary ground
22 components used at fixed locations, so ground stations
23 may also be included in the system.

24 The definition also identifies three services that
25 a mobile satellite system may be capable of providing.

1 It must provide at least one of them, but it is not
2 specific as to which are provided.

3 These are together the mobile satellite services
4 which are identified by the abbreviation "MSS" at
5 various points in the legislation, and the three
6 services are as follows: the first is communications
7 between a mobile earth station and one or more space
8 stations. The second, an alternative service, is
9 between mobile earth stations by means of a satellite or
10 satellites, and the third is a service between a mobile
11 earth station and one or more complementary ground
12 components.

13 In my submission, this definition clearly shows
14 three things. First, hybrid systems, which include
15 ground stations as well as a satellite, are expressly
16 permitted. Now, to be clear, Inmarsat's system
17 certainly does include a satellite. It is not a paper
18 satellite, it is a \$300 million satellite which is in
19 geostationary orbit above the earth as we speak.
20 Whether the satellite plays a genuine role will be
21 a matter for evidence.

22 Second, the definition envisages that mobile earth
23 stations will be able to connect directly with
24 complementary ground components without the
25 intermediation of the satellite. Now, at times, Viasat

1 has appeared to suggest that the lack of a direct link
2 between the CGCs and the satellite presents a problem
3 for the EAN. If I could just take you to one particular
4 passage of my learned friend's skeleton argument to give
5 you an example of this, it is in bundle A at page 6, and
6 you see in the second sentence, about five lines down,
7 there is a reference to:

8 "... a 'vast' ground-based network of
9 radio-communications towers [ie the complementary ground
10 components, being used] to provide a service targeted
11 only at aircraft ..."

12 THE CHAIRMAN: Sorry, I am behind you. Where are you?
13 Which paragraph?

14 MR. HOLMES: Sorry, paragraph 8, second sentence, beginning
15 "That proposal ..."

16 THE CHAIRMAN: Yes.

17 MR. HOLMES: "That proposal utilised almost exclusively
18 a 'vast' ground-based network of radio-communications
19 towers to provide a service targeted only at aircraft,
20 by seeking authorisation of their use as 'complementary
21 ground components' even though they do not and cannot
22 communicate with the satellite."

23 Now, for the avoidance of doubt, there is no
24 requirement in the definition of mobile satellite
25 systems that any connection should exist between -- any

1 direct connection should exist between the complementary
2 ground component and the satellite. What is required is
3 a connection between the mobile earth station and a CGC
4 and/or a connection between the mobile earth station and
5 a satellite. Those are the communications paths which
6 are possible. There is no requirement for a sort of
7 triangular connection between the satellite and the CGC,
8 and you saw the final sentence of recital 9 of the
9 harmonisation decision, which showed that the signal
10 broadcast, or transmitted by the CGC, could be wholly
11 independent of the satellite.

12 So the third submission is that in view of the fact
13 that the definition expressly envisages that mobile
14 earth stations will be able to connect directly with
15 complementary ground components without the
16 intermediation of the satellite, it would not be
17 appropriate to read into the legislation a definition of
18 mobile earth stations, the effect of which is to exclude
19 the components used to establish a connection with
20 complementary ground components at the end user's
21 location.

22 But that is what ground 1(a) of Viasat's grounds
23 seek to do by reference to the definitions in the ITU
24 regulations, and just to show that error by reference to
25 the radio regs, the ITU radio regs, if we could take

1 them out. For me they are in a separate bundle, but for
2 you I think they are at the back of bundle F at tab 18.

3 Now, these definitions go back some considerable
4 time, and Mr. Bowsher was right to say they have not
5 changed over time.

6 The first point to note is the observation on page 7
7 in the introduction to the terms and definitions of
8 Article 1:

9 "For the purposes of these regulations, the
10 following terms shall have the meanings defined below.
11 These terms and definitions do not, however, necessarily
12 apply for other purposes."

13 It is a fairly obvious point, but a recognition that
14 one needs to apply the regulations contextually and
15 according to the specific circumstance in which they are
16 being used.

17 Turning on to page 13 -- I am so sorry, to page 9.
18 We say that the real root of the error in Mr. Bowsher's
19 argument lies in his suggestion that a mobile earth
20 station for the purposes of the EU definition should be
21 confined in its functionality to the definition of
22 mobile satellite service which operates within the ITU
23 regulations, and you see the definition there which
24 limits a mobile satellite service for the purposes of
25 the ITU regs to two limbs:

1 "A radiocommunication service ..."

2 On the one hand:

3 "Between mobile earth stations and one or more space
4 stations, or between space stations used by this
5 service; or

6 "Between mobile earth stations by means of one or
7 more space stations."

8 On that basis he says all of the equipment
9 comprising the mobile earth station must be capable of
10 being used in connection with a mobile satellite
11 service, and he says: look, mobile satellite service is
12 only about the connection between the satellite and the
13 mobile earth station. Therefore you must exclude the
14 antenna from the portable equipment on the plane which
15 connects with the ground stations because that is not
16 capable of providing a mobile satellite service.

17 THE CHAIRMAN: No, let's be clear about this because we are
18 capable of getting into difficulties if we do not define
19 things.

20 As I understand Mr. Bowsher's submission, he draws
21 attention to the distinction between two pieces of kit:
22 one the antenna and the receiver, including -- and the
23 modem, I suppose, on the satellite thing on top, and the
24 antenna and the receiver and the modem underneath. It
25 is not just one antenna serving one receiver; it is two

1 pieces of kit and that is key to this argument, it seems
2 to me.

3 MR. HOLMES: Sir, I agree with you, it is important to the
4 argument, but the answer to that point is partly a legal
5 one and it is partly a factual one, which Dr. Harrison
6 has canvassed in his evidence.

7 The legal answer, or the legal part of the answer,
8 can be found in the definitions on page 13, which shows
9 the definition of "station" at 1.61. This shows that
10 a station can encompass:

11 "... one or more transmitters or receivers or
12 a combination of transmitters and receivers, including
13 the accessory equipment".

14 So there is no dispute that under the ITU
15 regulations a mobile earth station can have several
16 antennae. Transmitters or receivers are just in the
17 context of this service antennae, effectively. Nor is
18 there any dispute that the accessory equipment is
19 included.

20 And, indeed, Dr. Harrison gives the example of
21 another type of station. A mobile station in the
22 context of a terrestrial mobile system, which is
23 a telephone handset, and that can, in most cases,
24 communicate using several different spectrum bands which
25 use different protocols, different communications

1 languages, if you like, 3G, 4G, GSM, depending on what
2 signal is available in a given area, and different
3 transmitters and different receivers are used for the
4 purpose of establishing a connection with these
5 different frequency bands. That is a station that
6 incorporates a number of different transmitters or
7 receivers speaking different languages and attaching
8 to -- communicating through different bits of the radio
9 spectrum.

10 That is well recognised as a station. This
11 definition of station is a broad and permissive one
12 because it is intended to cover many and various
13 different types of portable equipment. It can encompass
14 an assemblage of equipment including multiple
15 transmitters or receivers, and it is really, in our
16 submission, arbitrary to split off -- to be clear, that
17 was the factual component of my answer, the legal
18 component was the definition of "station", the factual
19 component is Dr. Harrison's evidence about how stations
20 are used in practice.

21 The point is that it is, in our submission,
22 arbitrary, given what the mobile satellite services
23 encompass under EU law, to exclude the antenna which is
24 used to secure one of the connections expressly
25 permitted and provided for under the EU decisions

1 definition of a mobile satellite system. That is my
2 point.

3 Returning, just to make good my point on 1.25, you
4 see there the definition of mobile satellite services
5 for the definition of the ITU regs. That is been in
6 place since before any of this harmonising legislation
7 was in place. But what the EU legislator decided to do
8 was to modify that approach for the purposes of EU law,
9 so that you see in the definition of the services which
10 a mobile satellite system may be capable of providing,
11 that the two limbs in 1.25, the connection between the
12 mobile earth station and the space stations on the one
13 hand, and between mobile earth stations by means of one
14 or more space stations, are supplemented by a third
15 possible service in the case of EU law, and that is the
16 connection between the mobile earth station and the CGC.

17 So we say to try to import this framework and to
18 read it in a way which by definition excludes the
19 receiver, the antenna used to secure and achieve one of
20 the permitted mobile satellite services under EU law is
21 not well founded.

22 Moreover, and my learned friend will correct me in
23 his closing submissions if I am wrong about this, but it
24 is very unclear what purpose is served by importing that
25 definitional restriction into EU law. These definitions

1 from the ITU regulations, which nowhere feature in the
2 EU legislation, are said to require a result which
3 appears on its face to be at odds with the definition of
4 "systems capable of providing mobile satellite services"
5 under the EU decision. At the very least, in my
6 submission, one would need to see a good, purposive
7 argument for doing that, and for my part I have not been
8 able to detect that in the papers. It seems to
9 be purely logic-chopping, an intricate legal argument
10 I think my learned friend Mr. Ward called it in his
11 skeleton argument.

12 So that is my submission in response to the first
13 limb of ground 1(a).

14 The other definition in Article 2 is of
15 complementary ground components, and this states that
16 such components must be used to:

17 "... improve the availability of mobile satellite
18 services in geographical areas within the footprint of
19 the system satellite or satellites where communications
20 with one or more space stations cannot be ensured with
21 the required quality."

22 Now, there are two points that we say are important
23 to understanding the requirements of Article 2(2)(b).
24 The first is that what is being improved, the services,
25 the availability of which are being improved, are the

1 mobile satellite services covered by all three limbs of
2 the definition of mobile satellite systems. So one is
3 looking at the availability of the systems services as
4 a whole, and one is looking to see whether the CGCs
5 usefully add to the availability of those services,
6 insuring them with the quality required for those
7 services considered as a whole. There is, in my
8 submission, no basis for the submission that the
9 ground-based stations are only permitted to improve the
10 availability of the service provided by the satellite,
11 or that the required quality is to be specified by the
12 satellite component. All that this definition is
13 achieving is ensuring that the ground components are
14 complementary; they usefully add to the overall
15 availability to the required quality of the service
16 being offered by the system as a whole.

17 THE CHAIRMAN: I am afraid I have got a little lost in the
18 distinctions you are drawing there, Mr. Holmes.

19 MR. HOLMES: I am grateful for that indication, sir. If
20 this were a convenient moment, perhaps I should return
21 to it after the short adjournment when I am a little
22 refreshed.

23 THE CHAIRMAN: Yes. Very well. We will rise until
24 2 o'clock. How are we doing for time?

25 MR. HOLMES: I would say, sir, that with a fair wind

1 I should be another half an hour. I understand that
2 Mr. Ward has about three-quarters of an hour of
3 submissions.

4 MR. WARD: Something like that.

5 MR. HOLMES: So we should be able to commence Dr. Webb's
6 evidence this afternoon, and at the very least cover the
7 examination-in-chief, which I know is to be the
8 beginning of his oral evidence.

9 THE CHAIRMAN: I would hope we would have more than that.

10 Yes. Very well. 2 o'clock.

11 (12.58 pm)

12 (The Luncheon Adjournment)

13 (2.01 pm)

14 THE CHAIRMAN: Yes.

15 MR. HOLMES: When you rose, sir, I was addressing the
16 definition of complementary ground components, and my
17 rather dense submission was not, perhaps, the clearest.
18 So if I might return to that now. The relevant
19 provision, it is easiest to have it in front of us, is
20 at tab 6 of the legislation bundle, file F,
21 Article 2(2)(b) and it provides that:

22 "'Complementary ground components' of mobile
23 satellite systems shall mean ground-based stations used
24 at fixed locations, in order to improve the availability
25 of [mobile satellite services] in geographical areas

1 within the footprint of the system's satellites where
2 communications with one or more space stations cannot be
3 ensured with the required quality."

4 Now, I make three submissions in relation to that
5 definition. The first is that the services, the
6 availability of which is being improved, are not the
7 services offered exclusively by the satellite component
8 of the system, but all of the services offered by the
9 system as set out in Article 2(2)(a).

10 THE CHAIRMAN: Why do you say that?

11 MR. HOLMES: Because, sir, mobile satellite services is not
12 a defined term. Where it appears it is by reference to
13 the services that mobile satellite systems are able to
14 provide. If you return to the harmonisation decision,
15 which is at tab 5, you see the original definition of
16 mobile satellite systems in Article 2 which, in my
17 submission, makes the point tolerably clear:

18 "For the purposes of this decision, 'systems
19 providing mobile satellite services' are systems capable
20 of providing ..."

21 And then the three services are specified. And you
22 see in recital 3, just to make the same point:

23 "In this context, 'systems capable of providing
24 mobile satellite services' (MSS) ..."

25 So the services that the systems are capable of

1 providing are those set out in Article 2.

2 THE CHAIRMAN: So it improves the communication between
3 mobile earth station and one or more space stations.
4 Well, sorry, it overcomes the lack of availability of
5 that; is that right?

6 MR. HOLMES: Well, it can improve the availability of the
7 services offered by the system generally.

8 THE CHAIRMAN: Yes.

9 MR. HOLMES: One does not take as the reference the services
10 offered by the satellite component of the system. That
11 is the submission that I am making.

12 THE CHAIRMAN: But would you say it is not only -- what are
13 improved are not only the services -- the thing whose
14 availability is improved -- let's use the word -- you
15 say are not the services of the satellite component but
16 all the services offered by the system.

17 MR. HOLMES: Yes.

18 THE CHAIRMAN: What are "all the services offered by the
19 system".

20 MR. HOLMES: That will depend, sir -- the service will
21 depend on what the system is being deployed to achieve.
22 We know that mobile satellite systems can be used to
23 provide a range of services, but mobile satellite
24 services are, in my submission, all of the outputs that
25 a mobile satellite system are capable of producing, all

1 of the services provided by the system.

2 THE CHAIRMAN: But the words, or the abbreviation, "MSS" is
3 slightly inappropriate in that definition, is it not?

4 MSS means mobile satellite systems.

5 MR. HOLMES: No, sir, it means mobile satellite services in
6 contradistinction to mobile satellite systems.

7 THE CHAIRMAN: Yes, I am sorry, quite right, and the
8 definition is, I will go back to that in a minute,
9 mobile satellite services, then for new systems it is
10 not defined, it is just an acronym which is not defined.

11 So you mean by "availability of MSS", that could be
12 the availability of streaming video, or e-mails, so you
13 mean specific IT-related services?

14 MR. HOLMES: Yes, the services provided by a particular
15 mobile satellite system.

16 DR. ELPHICK: It could also presumably mean, say, maritime,
17 as opposed to aeronautical, whatever it is being used
18 for.

19 MR. HOLMES: Indeed, the particular category -- indeed, sir.
20 I am grateful for that. I am grateful, sir. That is my
21 submission.

22 The second submission is that the provision
23 stipulates that complementary ground components should
24 improve the availability of the service, the particular
25 services, where the communications with one or more

1 space stations cannot be ensured with the required
2 quality, and the words "required quality" show that
3 one's focus is not only on brute availability, whether
4 one is able to receive a signal at all, but more
5 generally the quality of the service which is being
6 offered, including, for example, the bandwidth which is
7 available to users of the service.

8 My third submission is that the contribution that
9 complementary ground components must make -- may make,
10 must always be within the footprint of the satellite or
11 satellites, and the reason for that is the particular
12 focus on ensuring the wide scale coverage that the
13 satellite component of a mobile satellite system can
14 offer, and it would defeat that purpose if one could
15 implement a mobile satellite system using CGCs, by
16 having a satellite that covered only some fraction of
17 Europe, but the service was then extended out outside
18 the coverage of the satellite by installing a broad,
19 ground-based network of components. You cannot use CGCs
20 to extend coverage beyond the footprint, because that
21 would be inconsistent with the purpose of achieving the
22 wide area coverage and the pan-European services that
23 a satellite component is able to provide.

24 The comparison for determining whether the service
25 being provided is improved is with the service that

1 would otherwise be available by means of communications
2 with one or more space stations, the satellites. That
3 follows logically from the fact that the satellite is
4 required under a mobile satellite system, but the
5 addition of CGCs is optional. You were deciding whether
6 to add CGCs to the satellite, and therefore, of course,
7 you compare the availability of services of the required
8 quality with only the satellite on the one hand with the
9 services that are available with the addition of the
10 CGCs.

11 That does not show that the baseline for the quality
12 required is the contribution that the satellite is able
13 to provide, and this is, we say, an error in Viasat's
14 analysis. Viasat assumes that the required quality is
15 all about bringing the quality of the system as a whole
16 up to the level of the satellite, and they say the
17 ground stations increase the capacity greatly by
18 comparison with the capacity that can be achieved by the
19 satellite. We say there is nothing in this definition
20 which supports the contention that the quality is to be
21 defined, the required quality is to be defined as the
22 quality that can be achieved only by the satellite.

23 As we say, without obvious justification or purpose,
24 that would restrict the quality of the service that can
25 be offered by a hybrid system, preventing CGCs from

1 usefully enhancing capacity to the benefit of consumers,
2 and there is no support that we see in the legislation
3 for such an interpretation of the definition of CGCs.

4 Now, I appreciate that is all rather dense for oral
5 submission, and the tribunal will no doubt wish to come
6 back to it, but those are my submissions on the
7 interpretation of the meaning of CGCs.

8 THE CHAIRMAN: And the way that it is implemented in your
9 particular case, or in this particular case, is first of
10 all the areas which do not achieve the required quality
11 are deemed to be everywhere, because there is blanket
12 coverage, everywhere on land, basically, leaving aside
13 Serbia. First of all, it is everywhere, and secondly,
14 the quality is the quality which is, I think on
15 anybody's evidence, vastly superior to the quality that
16 can be provided by the satellite.

17 MR. HOLMES: Sir, certainly the CGC greatly enhances the
18 quality of the service.

19 THE CHAIRMAN: Or it improves it beyond that to which it
20 could be provided by the satellite unless you had, if
21 I take the slightly absurd example of Mr. Bowsher's
22 case, one man sitting with the receiver somewhere, and
23 he has the satellite's entire attention, then you could
24 get good service.

25 MR. HOLMES: Yes.

1 THE CHAIRMAN: So you use the CGCs everywhere, not just in
2 particular -- everywhere is deemed to be an area where
3 the satellite cannot provide MSS of the required
4 quality.

5 MR. HOLMES: Sir, the system that my client, Ofcom, as
6 regulator was considering in order to determine whether
7 the proposed use made by Inmarsat of the ground stations
8 constituted CGCs, does involve installing a broad-based
9 network of ground-based stations, which improve the
10 quality of the service available.

11 THE CHAIRMAN: Everywhere?

12 MR. HOLMES: Everywhere where they can be stationed within
13 the footprint of the satellite, and we say --

14 THE CHAIRMAN: I am sorry but the whole purpose of this
15 exercise is to make sure that a high quality is
16 available to people in aircraft everywhere.

17 MR. HOLMES: Yes.

18 THE CHAIRMAN: Right, so it is everywhere, it is not to
19 everywhere -- of course it is everywhere where you can
20 install the ground station. That is in order to achieve
21 this superior coverage everywhere and the superior
22 coverage is effectively that which can be achieved by
23 ground stations, because it can never be achieved except
24 in a very, very narrow basis, a few aircraft, or if you
25 want to project it on the ground, a little area on the

1 ground by the satellite alone.

2 MR. HOLMES: Yes, by this satellite or by any satellite,
3 that's correct sir.

4 THE CHAIRMAN: Right.

5 MR. HOLMES: We say that is consistent with the definitions
6 in the legislation.

7 THE CHAIRMAN: Yes.

8 MR. HOLMES: What we do strenuously resist, and this will be
9 canvassed in evidence, is the suggestion that the
10 satellite does not play a useful role and does not
11 contribute usefully to the functioning of the system.
12 That is what is suggested. That is the case that is put
13 against us: that the satellite is virtually useless,
14 that it serves no real function, and that it ... well,
15 when they put their case at its highest, it amounts to
16 a claim that it is a sort of ribbon, a bow that is been
17 affixed on top of the system purely for regulatory
18 reasons.

19 THE CHAIRMAN: A submission which -- to come back to a point
20 I made this morning, Mr. Holmes -- seems to get some
21 legs from the fact that Ofcom contemplates fixing the
22 problem of there being no satellite on an aircraft and
23 the problems which that would present as to whether this
24 is an MSS, by making them put a satellite on the
25 aircraft --

1 MR. HOLMES: No --

2 THE CHAIRMAN: -- a satellite dish on the aircraft.

3 MR. HOLMES: With respect, sir, and we can look at what was
4 proposed, the proposal that was presented to my client,
5 Ofcom, as the regulator, was a proposal for
6 an integrated system. Now, Ofcom was told by Viasat
7 that it had particular concerns about the way this would
8 be deployed, and so Ofcom went out and it investigated
9 and it gathered information, and Inmarsat provided
10 information, including information under formal powers,
11 which showed that some -- I mean, I have to be careful
12 because some of the material is confidential, but it
13 raised a concern that aircraft may not have the
14 incentive in all cases to install the satellite
15 component, although it was being offered as
16 an integrated service by Inmarsat, and Ofcom made clear
17 that an integrated service is what it needed to be to
18 comply with the licensing requirements. So that is had
19 true.

20 But that is not the same as saying the satellite
21 plays no useful role and that we do not agree with. Had
22 we thought that it might have been a basis for not
23 licensing, but it is not the conclusion that Ofcom
24 arrived at, and we will explore that in evidence.

25 Sir, unless I can assist you further, those are my

1 submissions, really, for opening on the second limb of
2 ground 1(a).

3 THE CHAIRMAN: Yes. Carry on.

4 MR. HOLMES: I am grateful.

5 Moving briskly on through the provisions of the EU
6 decision which are of particular relevance to the case,
7 a point is taken against Ofcom in relation to
8 Article 4(1)(c) of the selection, the admissibility
9 criteria for the selection of applications. The reason
10 why that is said to be relevant now is because 4(1)(c)
11 sets out the minimum commitments which must be respected
12 by the operator of a mobile satellite system by virtue
13 of the common conditions which apply to the
14 authorisation to provide mobile satellite systems under
15 Article 7. So this does not relate to any common
16 condition applicable to CGCs; it relates to a common
17 condition relating to the authorisation of mobile
18 satellite systems, and one sees it, one sees how 4(1)(c)
19 is carried through if you turn over the page to
20 Article 7, from Article 7(2)(c):

21 "Selected applicants shall honour any commitments
22 they give in their application or during the comparative
23 selection procedure irrespective of whether the combined
24 demand for radio spectrum exceeds the amount available."

25 So these are binding notwithstanding that the

1 selection process stopped at the first phase, because
2 there were only as many applicants as there was spectrum
3 available.

4 So what is said is by Viasat that Ofcom could not
5 authorise CGCs under Article 8 because of a continuing
6 breach of the common condition under the mobile
7 satellite system authorisation relating to the common
8 condition required under Article 7(2)(c).

9 Now, my primary submission you have, which is that
10 the authorisation of CGCs is separate from the
11 authorisation of mobile satellite systems. A breach of
12 a common condition in the authorisation of mobile
13 satellite systems is subject to a separate and
14 harmonised enforcement process, and Ofcom could not
15 refuse to licence CGCs on the basis of a separate
16 authorisation.

17 On the contrary, Ofcom was not permitted to do that.
18 The correct approach is the enforcement process which
19 has been ongoing and has been encouraging Inmarsat
20 towards the launch of its service.

21 But there is also a point about the interpretation
22 of Article 4(1)(c) where a disagreement, I believe,
23 exists between Ofcom and Viasat, and I should briefly
24 address you on that.

25 In our submission, both limbs of Article 4(1)(c)

1 relate to the area covered by the system. It is true
2 that what must be done within the area differs under
3 4(1)(c)(i) and 4(1)(c)(ii). 4(1)(c)(i) requires that a:

4 "... mobile satellite system shall cover a service
5 area of at least 60 per cent of the aggregate land area
6 of the Member States, from the time the provision of MSS
7 commences."

8 Now, in relation to that criterion, there is
9 a satellite in the air and it covers 60 per cent of the
10 aggregate land area, but it is only about -- that
11 criterion is only about the size of the footprint of the
12 satellite, how much land is covered by it.

13 4(1)(c)(ii) requires that:

14 "[Mobile satellite services] shall be available in
15 all Member States, and to at least 50 per cent of the
16 population and over at least 60 per cent of the
17 aggregate land area of each Member State by ... [in the
18 second eventuality], no later than seven years from the
19 date of publication of the Commission's decision adopted
20 pursuant to articles 5(2) or 6(3)."

21 And in relation to that criterion, we say that it
22 means that the services shall be commercially available
23 in all member states, so different from just the
24 coverage of the service area, and shall cover an area
25 which reaches at least 50 per cent of the population,

1 and is over at least 60 per cent of the aggregate land
2 area of each member state. We say that is the
3 interpretation that is required. It is still about the
4 area covered, and again, the area covered by the
5 satellite would conform to both of those requirements,
6 so that when commercial service is launched, provided
7 that there is commercial availability in all member
8 states, the service will be commercially available in
9 the areas specified.

10 Now, we say no other interpretation is tenable. It
11 certainly cannot be correct that the legislation
12 required 50 per cent of the population actually to be
13 receiving -- in each member state actually to be
14 receiving the service. It was well understood that that
15 was not -- that would require an extraordinary --
16 actually to be taking the service that would require
17 extraordinary success, and it cannot be the number of
18 simultaneous users that could be provided.

19 Equally, the focus is upon area coverage, in our
20 submission, as is shown by the reference to the
21 60 per cent of the aggregate land area of each member
22 state, and it is difficult to understand what the
23 50 per cent of the population could be aimed to assess,
24 other than whether the area of coverage was an area
25 within which 50 per cent of the population were located.

1 THE CHAIRMAN: Forgive me, Mr. Holmes, it is plain, is it
2 not: they want to make sure that somebody is not just
3 focusing on the outer mountainous parts of various
4 places, but they want to make sure it covers
5 a worthwhile area of land, but within that they also
6 want to make sure that it covers -- I am not going to
7 use the word "available" deliberately for the moment --
8 at least 50 per cent of the population to make sure
9 there is a worthwhile number of people within the area.

10 MR. HOLMES: That is absolutely right, so it needs to cover
11 an area covering 50 per cent of the population.

12 THE CHAIRMAN: But it is an area defined by the number of
13 people in the area. Actually it is a very common metric
14 for all sorts of things, mobile phone coverage here, all
15 sorts of things.

16 MR. HOLMES: We fully agree, sir.

17 THE CHAIRMAN: So what is the difficulty?

18 MR. HOLMES: The difficulty is that Mr. Bowsher says that
19 when a service is provided in the air, it is only
20 available in the sense of being capable of being
21 consumed by that subsection of the population who happen
22 to be on flights at any one time and that, therefore,
23 an aeronautical service could not meet the criterion in
24 4(1)(c)(ii).

25 THE CHAIRMAN: Yes. What is wrong with that? I am sorry,

1 if the service that is provided by this is available
2 only to however many thousands of people who happen to
3 be in the air at any one moment, and that number is less
4 than 50 per cent of the population of member states,
5 then why does the service not fail to comply?

6 MR. HOLMES: Well, sir, two points: the first point is, if
7 it were correct that the service actually had to be
8 capable of being consumed at any one time by 50 per cent
9 of the population, then no aeronautical service would
10 ever be possible, and we have seen that was within the
11 contemplation --

12 THE CHAIRMAN: Well, I think that is Mr. Bowsher's point.

13 MR. HOLMES: Yes, but we have seen the legislature regarded
14 an aeronautical service as one -- we have seen from the
15 CEPT report for example that it was one possible use to
16 which the service could be put. We have seen from the
17 Commission's information memorandum accompanying the
18 Call for Applications that aeronautical services were
19 always envisaged as one possible use.

20 But also if one turns to the -- sorry, just to
21 complete the point, the service is commercially
22 available within an area which extends across
23 50 per cent of the population. So the coverage does
24 reach the most populous areas of the Union, and we say
25 that it therefore conforms with the requirements of

1 Article 4(1)(c)(ii).

2 DR. ELPHICK: But am I right in saying that your fundamental
3 point on this is that in regard to the authorisation of
4 complementary ground components, we should only be
5 focusing on the conditions in Article 8 and not the
6 prior.

7 MR. HOLMES: That is quite correct, sir.

8 DR. ELPHICK: That is a fundamental point.

9 MR. HOLMES: I am grateful for that.

10 THE CHAIRMAN: That is the prior point. We should not be
11 considering this -- Ofcom should not have been
12 considering this and was right not to consider it, but
13 if it was considering it, it did not make a mistake.

14 MR. HOLMES: I am grateful sir.

15 THE CHAIRMAN: That is how you put it?

16 MR. HOLMES: Yes, sir.

17 THE CHAIRMAN: Can I just ask you this to see how it fits
18 in?

19 MR. HOLMES: I am sorry.

20 THE CHAIRMAN: Do you want to make your very good point
21 before I ...

22 MR. HOLMES: The point was simply, sir, that what the mobile
23 satellite service enables is, of course, communications
24 between the plane and the population on the ground, so
25 that it would not be correct to say that the only people

1 who have use of the service are those who are actually
2 happening to be flying at any one time.

3 DR. ELPHICK: Because you could be making phone calls to
4 people on the ground in that whole area?

5 MR. HOLMES: Yes, and to that extent -- yes, one could say
6 that the service was indeed commercially available to
7 a broader population than just --

8 THE CHAIRMAN: Well, by that token the service is available,
9 if you are talking about people on the plane making
10 telephone calls, it is available to everybody in Europe,
11 America and Asia, because you can make a phone call to
12 any of those places.

13 MR. HOLMES: Yes.

14 THE CHAIRMAN: So it is an empty requirement in this
15 context, or it is automatically fulfilled as soon as you
16 have one person on a plane with a phone.

17 MR. HOLMES: Well, sir --

18 THE CHAIRMAN: Because they can call anybody in the world.

19 MR. HOLMES: Yes. I think we have probably taken this as
20 far as it --

21 THE CHAIRMAN: Yes, I am not sure it was such a good point.

22 MR. HOLMES: You are right, sir, it is always a dangerous
23 thing to adopt points on your feet. It is also
24 dangerous sometimes to adopt points of judges in my
25 experience because then they think about why they might

1 be wrong and you can find yourself in terrible trouble
2 with that.

3 THE CHAIRMAN: Well, you are obviously engaged in
4 a completely hazardous activity. So let me ask my
5 question now.

6 MR. HOLMES: Yes.

7 THE CHAIRMAN: It is not a point, it is a question.

8 MR. HOLMES: Yes.

9 THE CHAIRMAN: Supposing that Ofcom had come to the
10 conclusion, contrary to your reasoning, that in fact
11 this system, as it was proposed, failed to comply with
12 this requirement. Do you say that its proper stance is
13 to say: well, okay, you are going to have to do
14 something about it, but we have nevertheless got to give
15 you a CGC authorisation for this system. I think that
16 is where your submission goes, does it not? Supposing
17 it was absolutely plain that this requirement was not
18 fulfilled and if you look at the current plans and the
19 way they are going to run it never could be fulfilled
20 because you are wrong about the 50 per cent population
21 bit, do you still say: well, they still have to give
22 authorisation and somebody else has to enforce it?

23 MR. HOLMES: Yes, sir, because there is a harmonised
24 enforcement process and the interpretation of that
25 commitment which I think, sir, my submission will be

1 that on any view it is unclear, would not be for Ofcom
2 or for this tribunal. It would be for the member
3 states, the European Commission, and for consideration
4 in other tribunals than this.

5 THE CHAIRMAN: So they would have to give authorisation even
6 though it was clear on this hypothesis it was not
7 fulfilled and nor were there any apparent proposals for
8 fulfilling it --

9 MR. HOLMES: Yes, sir.

10 THE CHAIRMAN: -- because they -- the system, if you are
11 wrong about the construction, it simply can never be
12 fulfilled by this system but they nevertheless have to
13 authorise. I think that is consistent with your
14 submission, is it not?

15 MR. HOLMES: It is, sir, yes.

16 THE CHAIRMAN: Right.

17 MR. HOLMES: So the other provisions we should consider,
18 sir, are in Article 8, which is in my submission are
19 more directly relevant. They are the common conditions
20 applicable to complementary ground components. We
21 accept, sir, that if it were the case that the ground
22 stations proposed by Viasat were unable to meet any of
23 the common conditions which were to be inserted in the
24 licence, it would not in those circumstances be
25 appropriate to grant an authorisation for them, and

1 accordingly, Ofcom did consider whether these common
2 conditions were met by the ground stations proposed for
3 the EAN.

4 Mr. Bowsher relies on three of the common conditions
5 in Article 8(3). First he says that operators will not
6 be using the assigned radio spectrum for the provision
7 of complementary ground components of mobile satellite
8 systems, and he relies there on the fact that there is
9 no mobile earth station in the mix because of his
10 argument that the ground --

11 THE CHAIRMAN: Sorry, would you be good enough to start
12 again, Mr. Holmes. It is my fault, not yours.

13 MR. HOLMES: No, no. Of course, sir.

14 We are now in Article 8.

15 THE CHAIRMAN: Yes.

16 MR. HOLMES: The complementary ground components.

17 THE CHAIRMAN: Yes.

18 MR. HOLMES: And we are considering the common conditions in
19 Article 8(3).

20 THE CHAIRMAN: Yes.

21 MR. HOLMES: And Ofcom accepts that if the ground stations
22 that were proposed --

23 THE CHAIRMAN: I got that bit. It was the bit afterwards,
24 yes.

25 MR. HOLMES: And Mr. Bowsher relies upon three of the four,

1 as I understand his case. The first is that he says
2 that (3) (a) is not met, Article 8(3) (a) is not met
3 because operators will not use the assigned radio
4 spectrum for the provision of complementary ground
5 components of mobile satellite systems, and that depends
6 on his argument under the first limb of ground 1(a) that
7 the mobile satellite system, that the CGCs are not using
8 the mobile satellite system because a ground-facing
9 antenna is not part of a mobile earth station because it
10 is not capable of communicating with the satellite. So
11 that point is parasitic on the first limb of ground
12 1(a), and you have my submission on that.

13 DR. ELPHICK: If you like, the definition of a station?

14 MR. HOLMES: Yes. Yes, sir.

15 The second point that is taken relates to
16 Article 8(3) (b) and it is said in relation to that that
17 there is no satellite -- that the complementary ground
18 components are not controlled by a satellite resource
19 understood as something separate from the network
20 management mechanism.

21 Now, in our submission, that is not the correct
22 interpretation of Article 8(3) (b). What is required is
23 a satellite resource and network management mechanism.
24 One sees that the purpose of the mechanism is to avoid
25 harmful interference between the two elements of the

1 system, and one sees that from recital 9 to the
2 harmonisation decision, to which I took the tribunal,
3 and which shows that these common conditions were
4 inserted -- this common condition was inserted to avoid
5 the risk of harmful interference. So what is required
6 is a mechanism which manages when the two components of
7 the system will be used to provide the service.

8 Ofcom found that in the case of the EAN there was
9 such a mechanism, and you have my submission that that
10 type of technical appraisal is one that the tribunal
11 should be slow to impugn.

12 The final point which is taken under Article 8 is
13 Article 8(3)(c), which provides that:

14 "Independent operation of complementary ground
15 components in case of failure of the satellite component
16 of the associated mobile satellite system shall not
17 exceed 18 months."

18 Now, in our submission this was not a relevant
19 condition. There was nothing to indicate at the time of
20 authorisation that this condition was not capable of
21 being met by the EAN, and therefore it provided no basis
22 to refuse the authorisation.

23 The satellite has not failed. It is not out of
24 action, and therefore there is no reason to believe that
25 the system will be used without a satellite component

1 for a period in excess of 18 months.

2 This point really comes down to the suggestion that
3 if some planes, some aircraft, were to use the system
4 without a satellite terminal installed because of the
5 delay that was anticipated in installing the satellite
6 terminal, that would amount to independent operation of
7 the complementary ground components.

8 But, sir, you have my point on that: that Ofcom was
9 entitled to deal with that by way of enforcement
10 afterwards, and it still does not make Article 8(3)(c)
11 relevant because it is not the situation which is
12 contemplated by Article 8(3)(c). If anything, there is
13 a point we say which supports Ofcom's analysis of the
14 legislation in Article 8(3)(c). What it confirms is
15 that the complementary ground components can, indeed,
16 operate without the satellite. That is not -- it does
17 not in itself stop them from being complementary ground
18 components. It does not stop the system from being
19 a mobile satellite system. The operation can continue
20 for a period not exceeding 18 months.

21 So the fact that the EAN could in principle be used
22 only as a terrestrial system cannot be determinative.

23 Now, sir, I am very conscious of the time, and
24 I have now given you my submissions on all of the
25 grounds, and so unless there are any further questions

1 from the tribunal, I think that is sufficient to open
2 the case.

3 THE CHAIRMAN: Thank you very much.

4 Mr. Ward.

5 Opening submissions by MR. WARD

6 MR. WARD: I am going to make brief submissions from
7 Inmarsat's perspective on the factual context, some very
8 limited points on the regulatory framework, and then
9 some observations on the question of whether the ground
10 components are complementary. I will, of course,
11 endeavour not to repeat Mr. Holmes' submissions.

12 In short, our submission is that this is
13 an unjustified attempt by a direct commercial rival to
14 block a competing product that offers real consumer
15 benefits. Viasat's case suffers from two overarching
16 flaws. Firstly, it seeks to read new requirements into
17 the harmonised regulatory framework. Ofcom's task was a
18 narrowly-confined one: to determine whether to authorise
19 the CGCs.

20 On the facts of this case it had no choice but to
21 grant that authorisation. But, secondly, Viasat seeks
22 to blur the distinctions between that task and the other
23 elements of this regulatory framework. This is not
24 a regulatory audit of the EU tender process, nor is it
25 an appraisal of the design of Inmarsat's S-band project,

1 the different terminals, the satellite, and so on. It
2 is, or it should be, a tightly-focused judicial review
3 of the particular decision in question, and viewed in
4 that light, most of Viasat's complaints are simply
5 irrelevant to the issues that the court has to decide.

6 Starting, then, with the facts, as the tribunal is
7 now well aware, there is nothing at all novel in the use
8 of satellites to provide in-flight connectivity. As
9 the Chairman observed on the first day, that particular
10 use was contemplated in the background to this
11 legislation and, indeed, there are a number of providers
12 using satellites to provide in-flight connectivity
13 already, including Inmarsat and including Viasat.

14 The reason for that is obvious: the satellites can
15 cover a vast amount of terrain. With three satellites
16 you can cover the entirety of the earth. With one
17 satellite you can cover the whole of the EU.

18 Just for the tribunal's note, Dr. Webb discusses
19 that in his first report in bundle D/8, paragraphs 17
20 and 18.

21 But as the tribunal has also heard, whilst
22 satellites have this huge advantage of coverage, they
23 may be subject to capacity limitations, in other words,
24 the amount of data they can transmit, and the speed and
25 the quality of that transmission. That is because,

1 among other things, the satellite in this case is
2 36,000 kilometres above the earth, so the signal has
3 a long way to travel.

4 But there is another important contextual factor
5 which one can pick out of the witness statements, which
6 is that there are constraints arising from the type of
7 spectrum and the amount of spectrum at issue. What we
8 had here was 2 GHz spectrum, only 15MHz in each
9 direction. What the evidence shows is that there is
10 a lot more spectrum available at higher frequencies, and
11 at those higher frequencies, it is possible to have
12 higher capacity.

13 But we must recall it is a remarkable technical
14 achievement to provide this kind of service at all to
15 a moving aircraft, high up in the sky, and what I would
16 like to do now is, if I may, show you a bit of
17 Mr. Sharkey's first witness statement in bundle D/4,
18 where he explains the nature of the kind of broadband
19 products that Inmarsat, for example, currently offers.
20 This is on page 8 of D/4. What this passage does is
21 talk about an existing and well established product that
22 Inmarsat has, which is not --

23 THE CHAIRMAN: Page 8, yes?

24 MR. WARD: Page 8, yes.

25 THE CHAIRMAN: Thank you.

1 MR. WARD: It is talking about a different in-flight
2 connectivity product that Inmarsat successfully markets
3 in the L-band, which is a different frequency band. If
4 I can just take you through a couple of paragraphs.

5 THE CHAIRMAN: It is said to be analogous to or similar to.
6 It is because -- it is not proximate in frequency is it?

7 MR. WARD: Close, if not proximate.

8 THE CHAIRMAN: Is that why it is said to be analogous?

9 MR. WARD: Yes.

10 THE CHAIRMAN: Right.

11 MR. WARD: You will see here -- none of this evidence has
12 been contested --

13 THE CHAIRMAN: Well that is because this seems to be, with
14 respect, Mr. Ward, to be advertising.

15 MR. WARD: Sir, it goes beyond advertising, I hope. Will
16 you bear with me for five minutes while I --

17 THE CHAIRMAN: Yes, I am not stopping you. I am just
18 pointing out how it seemed to me.

19 MR. WARD: Well I hope you will be persuaded in the end it
20 has more value than that.

21 "As discussed in more detail below Inmarsat already
22 provides connectivity for airlines and their passengers
23 through similarly performing satellites using the
24 L-band."

25 Then it says -- at 28 it lists a number of airlines,

1 points out that various people buy this product, but if
2 I can just take you to the end of paragraph 29:

3 "... satellite-based SwiftBroadband [which is this
4 particular product] supports internet browsing, e-mail,
5 voice and similar services, it does not have sufficient
6 capacity to support more data intensive services such
7 as, for example, streaming video or games ..."

8 We will want that witness statement again, but
9 I would like to show you, if I may, the exhibit which
10 makes good what he is saying, which is in bundle E3/108.
11 This is a printout from the website of the Emirates
12 airline, which is one of the customers for that product
13 I was just showing you, and I think, sir, you will see
14 now, I do not think this will fall in the category of
15 advertising, because the point I am going to make is the
16 limitations upon the use that the airline actually
17 itself warns.

18 So you will see on the first page of the exhibit
19 that although you get 20MB free, unless you are a member
20 of the Emirates Skywards then you have to pay for more.
21 Then there is another tariff even for Emirates Skywards
22 members over the page, and then it is really the bit at
23 the end where it says:

24 "Our on-board wi-fi performs best if you:

25 "Avoid streaming videos.

1 "Don't send pictures.

2 "Use apps instead of data.

3 "Turn off background apps you aren't using.

4 "Refrain from using VPNs."

5 Which are virtual connections to one's desktop.

6 THE CHAIRMAN: They are not quite, but you do not have to go
7 into that.

8 MR. WARD: I was doing my best, so you are ahead of me on
9 that.

10 The point I am making is simply this: quite the
11 contrary of just shameless advertising, this evidently
12 is a viable tool, at least for business. One can
13 log-in, send a few messages, but one cannot,
14 proverbially or literally, stream Netflix all the way
15 through the journey and of course what the tribunal now
16 has seen, and I will not labour, is this particular
17 product does take this forward a very long way indeed.

18 Now, it is not the only way this can be done, but
19 this is an important improvement on the level of service
20 that can be provided. If I could ask you -- we are done
21 with the exhibit bundle, but to turn back to what
22 Mr. Sharkey says about how this is done on page 7 of his
23 witness statement, so this is D/4 again, you will see in
24 paragraph 20 that under the heading of "Spectrum reuse
25 and efficiency":

1 "Spectrum is a finite natural resource and
2 Inmarsat's allocation of the S-band is limited to 15MHz
3 in each direction. Inmarsat has integrated CGC
4 components whose use is coordinated with that of the
5 satellite in order to maximise and make best use of its
6 limited spectrum allocation."

7 Then it is the next bit I really wanted to draw
8 attention to:

9 "The resulting EAN makes an exceptionally efficient
10 use of the spectrum assigned through frequency reuse
11 between the satellite and the ground network. Indeed,
12 the limitations on Inmarsat's spectrum forces the
13 exploitation of the two components, satellite and CGCs,
14 to their fullest potential."

15 Again, please keep that to hand because we will be
16 going back to it. Can I just take you back to bundle F
17 now, and just remind you of the language of the CEPT
18 report, which Mr. Holmes read out earlier. It is bundle
19 F/4 on page 11, I am afraid I am now the third advocate
20 to show you this page so I will take it quickly. It is
21 on the bottom of page 11. The tribunal saw earlier this
22 paragraph at the bottom of the page, talking about
23 elements about CGC, starts talking about how typically
24 CGCs can improve the quality of service in rural
25 areas -- sorry, in canyons, and then about five lines

1 from the bottom:

2 "Furthermore, they may play an important role in
3 enhancing the efficiency use of the ... spectrum."

4 And that is precisely what is going on in our case:
5 efficiency reuse by using the same rather narrow band of
6 spectrum for two different mechanisms to transmit the
7 same service to the consumer who is sitting in the seat
8 on the aeroplane, and before we put it away, I would
9 like, again, to turn the page again to something
10 Mr. Holmes showed you, but perhaps in slightly different
11 emphasis.

12 The second paragraph, or the first full paragraph on
13 the next page says:

14 "An increasing number of MSS operators, are
15 considering the possibility of extending their
16 international MSS operations with CGCs. The
17 United States and Canada recently created a licensing
18 regime for integrated hybrid satellite/terrestrial
19 systems ... "

20 What we have is an integrated hybrid
21 satellite/terrestrial system and this CEPT paper of
22 course contains quite a lot of the thinking that went
23 into the licensing regime that we are here discussing
24 today.

25 Then the CEPT says:

1 "Accordingly, endorsement of the CGC opportunity by
2 the EU and national regulators will put Europe on
3 a level playing field with the [US] and Canada, in terms
4 of MSS innovation and services to consumers."

5 Then as Mr. Holmes showed you the beginning of the
6 next paragraph:

7 "Apart from providing more efficient spectrum use
8 [which is what we have just been talking about] CGCs
9 will benefit consumers by allowing ... improved quality
10 of service. Improved coverage would result in continuous
11 development of the ubiquitous connectivity particularly
12 beneficial to transport markets."

13 Eg, I would say, aviation.

14 So what we are doing, in my submission, is precisely
15 what is envisaged by the CEPT. We respectfully submit
16 Ofcom was right in its authorisation to conclude, and
17 Mr. Holmes read this out so I will just read it, that
18 the authorisation would:

19 "... enable Inmarsat to use the frequency bands
20 which are currently lying fallow to provide
21 an innovative service to consumers in the UK and the
22 EU."

23 Now, I want to just say something about how it will
24 be used in practice, as there is some misunderstanding
25 about this. You will have seen in Viasat's skeleton

1 that they make a lot of the suggestion that the CGC
2 element will in fact be used without the satellite
3 element, and we were surprised to see that, and the
4 reason is, in the witness statement of Mr. Pearce, which
5 is in bundle D under tab 3, and if I might ask you to
6 turn up page 13 of that witness statement, at the top of
7 the page, page 13 under D/3, this is Mr. Pearce, who is
8 the CEO of Inmarsat, and he has not been called for
9 cross-examination. At the top of page 13, paragraph 57:

10 "As we have stated to Ofcom, airlines will
11 ultimately use the entire integrated EAN so that CGCs
12 will not be used independently from the satellite
13 element."

14 Which is why we have been surprised to hear the way
15 that case has been put. But I would also echo the point
16 that Mr. Holmes made: what Ofcom did is take the view
17 that it would licence on the basis that that was how it
18 would be used, and then see how the world turned out,
19 and then take whatever enforcement measures it thought
20 were applicable.

21 Now, just to explain what the current state of play
22 is with the EAN, if that would be of assistance, the
23 satellite was launched in June 2017 and is now fully
24 operational. The network of CGCs are fully deployed,
25 ready for service. National regulators in all 28 member

1 states have awarded the satellite licences, in other
2 words, the Article 7 licences, needed to operate the
3 satellite element, and in respect of the CGC component
4 it has authorisation from 24 of the other member states,
5 and I understand that the remaining authorisations are
6 nearing completion.

7 For that last point, the reference is Mr. Pearce's
8 witness statement at paragraph 49, bundle D/3, page 11.
9 He gives the figure of 23, but Slovakia has also just
10 granted authorisations.

11 DR. ELPHICK: Can I ask, do you know if those authorisations
12 are themselves the subject of appeal? Have they
13 completed their processes in those member states, do we
14 know?

15 MR. WARD: Sir, the position is that there is a pending
16 appeal in Italy. In France there is a challenge by
17 Eutelsat, who was formerly Viasat's commercial partner,
18 I believe.

19 THE CHAIRMAN: An appeal. Does that mean a -- it is
20 a challenge, is it?

21 MR. WARD: A challenge to the appeal to the Conseil d'État
22 in France. Then in Belgium, the regulator's decision,
23 which was favourable to Inmarsat, has been remitted,
24 albeit on the grounds of insufficient reasons, and there
25 is a small irony in that that the Belgian court compared

1 the decision unfavourably to that of Ofcom's that you
2 are considering in this case. So that is the state of
3 play around Europe.

4 DR. ELPHICK: So it sounds as though in 21 member states we
5 are saying it sort of completed the process and in three
6 it is still continuing?

7 MR. WARD: Let me just see if that is a fair reflection.

8 So there is -- sorry, Belgium is not among the 24.

9 DR. ELPHICK: Right, yes.

10 MR. WARD: That is what I am being told. But the 24 does
11 include France and Italy, where there is a pending
12 appeal.

13 DR. ELPHICK: Thank you very much.

14 THE CHAIRMAN: Has the time now passed for any appeals in
15 the other 22?

16 MR. WARD: Let me see if I can take instructions on that
17 briefly. I am not sure. We can try and find out. I am
18 not sure.

19 Now, what we would emphasise is that the kind of
20 service that Inmarsat is seeking to launch, and is on
21 the cusp of launching, is the kind of pan-European
22 service offering real consumer benefits which is
23 precisely the kind of thing the EU legislator had in
24 mind when it harmonised the S-band. Can I ask you to
25 turn up again bundle F, which is the legislation bundle,

1 and I would like to highlight just a small number of
2 passages you have already seen, starting under tab 6.

3 What I am going to show you is repeated references
4 to the benefits of competition, innovation and
5 efficiency. So recital 5 --

6 THE CHAIRMAN: I really question whether this is going to
7 help us. We have got narrow questions in this case of
8 construction, and wider questions on the transparency,
9 euro-type point.

10 Extolling the innovative aspects of this product are
11 not going to help us much, are they?

12 MR. WARD: It helps to this extent, I will cut it short in
13 light of your observation, sir --

14 THE CHAIRMAN: Do not cut short a submission you think you
15 need to make but I am challenging whether you need to
16 make it at all.

17 MR. WARD: Let me go to the quick of why we think it
18 matters. It matters because essentially there are
19 complaints in this case that the service that is being
20 offered is somehow outwith the scope of what is being
21 proposed. The short submission I am making here, which
22 really does build upon what Mr. Holmes has already said,
23 is it is precisely the kind of thing that was envisaged,
24 in other words, a service that would be innovative,
25 would offer competition to existing services, but the

1 legislative framework does not specify beyond that what
2 is required, provided, of course, it fits within the
3 definitions.

4 But Mr. Bowsher's attempt to narrow this down to
5 knock out what would be a very serious competitor for
6 his client is just not founded in the language of this
7 legislation.

8 THE CHAIRMAN: The latter point is the more important one.
9 We assume it is competitive with the competitors, that
10 is actually Mr. Bowsher's complaint --

11 MR. WARD: Well, it is.

12 THE CHAIRMAN: -- and I think we are prepared to assume in
13 your favour that it is innovative. Assume all that for
14 the moment. Describing it as competitive and innovative
15 does not seem to me to meet any of Mr. Bowsher's points.

16 MR. WARD: It meets -- the really underlying point of legal
17 substance, sir, is the point that Mr. Holmes has really
18 already made and therefore I can just cut to the chase
19 of, which is that this legislation is clearly open to
20 innovative uses that will bring competition to the
21 market. It is not carefully circumscribed so that it is
22 only about rural broadband. It is not carefully
23 circumscribed so that it is only about putting ground
24 stations in places where there might be canyons between
25 buildings. That is where the submission bites, and I am

1 happy to fast-track it.

2 What we do say though is that the complaint that
3 that competition is unfair is really just a classic
4 attempt to put the interests of a producer, namely
5 Viasat, ahead of the interests of consumers. The
6 purpose of this legislation is to bring benefits to
7 consumers in the form of new and innovative services.

8 The complaint that this competition is unfair is, in
9 my respective submission, completely wrong and indeed
10 irrelevant to the narrow exercise Ofcom embarked upon,
11 for the high-level reason that Inmarsat won this
12 spectrum in an open and competitive selection exercise.

13 Viasat was free to participate but chose not to do
14 so. It complains: well, we could never have known that
15 this kind of system was permissible. But, of course,
16 for the reasons Mr. Holmes has already developed in
17 detail, it is perfectly obvious that it is open to any
18 use that fits within the definitions. Viasat could have
19 read those rules and seen for itself.

20 Now, I want to talk a little bit about the
21 complaints about the selection process, albeit that my
22 overarching submission is going to be that they were
23 irrelevant, but I would like to explain a little more
24 about the change in the satellite design which
25 Mr. Bowsher has given some prominence in his

1 submissions, and the most useful place to see what
2 actually happened is in a news article that he,
3 I believe, opened, but certainly inserted in the bundle,
4 which is in exhibit bundle 2 under tab 86. This gives
5 a potted history of this project.

6 THE CHAIRMAN: E2/86? I do not think this was opened to us.
7 Something else was opened to us so we could see
8 a picture.

9 MR. WARD: Well there are pictures here but that is not why
10 I am taking you there.

11 THE CHAIRMAN: Oh, shame.

12 MR. WARD: This is a blog item from something called
13 Spaceflight 101, which is probably about the right
14 level, at least for me, and it is just explaining the
15 history of what happened here. I am going to just draw
16 your attention to a few paragraphs and flesh them out
17 a little more. You can see under the very impressive
18 photograph of something the full paragraph which is
19 below that. Actually, sorry, it is useful to see, it is
20 talking about the satellite the Inmarsat-S/HellasSat 3
21 which is the satellite which is actually
22 36,000 kilometres above us as we speak. You can see,
23 just in my file, at least, it is level with the second
24 hole punch:

25 "The project finds its roots in the original

1 EuropaSat concept that was ordered by Inmarsat from
2 satellite builder Thales ... in 2008 after receiving
3 clearance for use of the 2 GHz S-band frequency ..."

4 Then it says, as Mr. Bowsher did point out
5 yesterday:

6 "Per the original design, the 5,700-kilogram
7 satellite was to host a large 12-meter S-band antenna
8 reflector and deliver 9 spot beams in two polarisations
9 to provide mobile broadcasting services and two-way
10 telecommunications."

11 Then it says, it is a bit broken up, the text, but
12 at the bottom of the page:

13 "Inmarsat put the EuropaSat project on hold in 2009
14 to seek external investors in to potentially spin the
15 satellite off into a separate company, partly owned by
16 Inmarsat."

17 So, pausing there, the date of that is significant.
18 2009, as the tribunal will recall, was the depth of
19 a worldwide financial crisis. So what this is obviously
20 saying is that alternative means of funding this project
21 were being sought.

22 Then over the page it explains that:

23 "The project's revival did not come until 2014 when
24 Inmarsat partnered with Hellas-Sat to share the cost of
25 the satellite platform & launch."

1 And this is all described very disparagingly by
2 Viasat as some form of wrongful cost-cutting. But you
3 can see that obviously is something that you could
4 imagine might make a lot of commercial sense, and it
5 explains:

6 "Under the new plan, the all-S-band EuropaSat was
7 re-designed into a multi-mission platform with an S-band
8 package for operation by Inmarsat under the EuropaSat
9 designation and a Ku/Ka-Band payload for HellasSat to be
10 marketed as HellasSat 3."

11 And as a result the platform went slightly bigger.
12 So in other words there is a financial crisis, there are
13 funding issues --

14 MR. BOWSHER: I am sorry to interrupt, there is now a bit of
15 evidence here. I am not quite sure where this financial
16 issue is going but we are now having some evidence about
17 the financial issues which I do not think is anywhere in
18 the papers, if it is relevant at all.

19 MR. WARD: I am sure the court can take judicial notice that
20 there was financial crisis at that time. What we are
21 seeing though is that the project as redesigned, and
22 then there is more detail of the satellite that we need
23 not be concerned with, and then it explains what else
24 happened if we go to the bottom of page 3, just the last
25 paragraph on page 3:

1 "The satellite was initially booked to ride into
2 orbit on a SpaceX Falcon Heavy rocket for launch in 2016
3 and Inmarsat also secured an option for a Proton-M ...
4 launch vehicle to safeguard for any further delays of
5 SpaceX's heavy lifter. However, with Falcon Heavy still
6 waiting for a debut mission and Proton suffering an
7 extended grounding to engine problems, the satellite was
8 moved in late 2016 to a mid-2017 launch on Europe's
9 Ariane 5 rocket, taking advantage of that vehicle's
10 schedule certainty to get the mission into orbit with
11 only months of delays instead of years."

12 So you can see from that article that there were
13 difficulties in launch and in fact I am going to say
14 something on instructions now and if Mr. Bowsher wants
15 this in writing I am sure it can be arranged.

16 Apparently, with each of those rockets the launch
17 immediately prior to the one that Inmarsat was supposed
18 to be taking advantage of blew up, so there were delays
19 and complications, to put it mildly.

20 What we say about this, should, is that clearly this
21 is a long and challenging road and, in fact, we can now
22 turn back to the evidence and see what exactly is said
23 about this, which is undeniably high-level. It is in
24 Mr. Pearce's witness statement, which is in bundle D/3
25 at page 11.

1 At paragraph 50 he makes a point which is both
2 obvious, in a sense, and --

3 THE CHAIRMAN: Just a second. Let us find it.

4 MR. WARD: I am so sorry, sir.

5 THE CHAIRMAN: Paragraph 50.

6 MR. WARD: Yes. He says:

7 "Like many other projects of this technical
8 complexity, dimension and vast geographic scale, this
9 has been a long and difficult project. It has been made
10 harder by Viasat's numerous regulatory challenges.
11 We also suffered some set-backs which delayed the launch
12 of the satellite. What is important for us, however, is
13 that we have managed to overcome those set-backs very
14 successfully."

15 Then over the page he deals with the question of the
16 design changes at 55, and he says that:

17 "... the fact that Inmarsat has achieved the
18 intended coverage and quality levels to which it
19 committed back in 2008 through lower costs than expected
20 should not be a cause for criticism. By lowering its
21 costs, Inmarsat is in a position to provide an extremely
22 competitive value proposition to its customers, which
23 can only benefit the end users of the EAN services. It
24 improves the competitive proposition ... [of] Inmarsat
25 ..."

1 the use of the bands. That is the harmonisation
2 decision under F/5. It is the EU Parliament and Council
3 that harmonised the selection and authorisation
4 criteria, that is the EU decision under F/6, and it is
5 the Commission that carried out the selection process,
6 the decision is under F/8.

7 What Ofcom is left with is a narrow and
8 tightly-defined task. The reason it is narrow and
9 tightly defined is to prevent national regulators from
10 fragmenting this overall EU-wide product by imposing
11 a patchwork of different threshold conditions or
12 eligibility criteria, and of course the Community could
13 have decided to link the CGC authorisation to the
14 selection process, or it could have decided to link it
15 to the Article 7 conditions which apply to the
16 authorisation for a satellite. But it did not, and it
17 did not because, of course, that would have simply
18 greatly complicated the task in issue.

19 Now, I wanted to show you a little bit more, if
20 I may, of the enforcement regime for the Article 7
21 conditions, and that is in the authority -- so sorry,
22 legislation bundle under tab F. Sorry, bundle F/12,
23 I am very sorry.

24 Just to be clear, bundle F/12, this is the
25 harmonised enforcement regime which applies to the

1 Article 7 conditions. It has nothing at all to do with
2 the Article 8 CGC conditions that we are directly
3 concerned with, and we can see that from recital 9 which
4 says:

5 "This decision should not cover enforcement of
6 purely national conditions, nor apply to enforcement
7 measures concerning conditions other than the common
8 conditions referred to in Article 7(2)."

9 So it is only the Article 7 conditions. But
10 recital 11 is important here because it explains the
11 thinking. It starts by referring to the authorisation
12 directive, but that does not really matter. It just
13 says:

14 "Article 10 of [that] directive ... provides for
15 a graduated approach to enforcement, envisaging a first
16 phase where the alleged breach is investigated and
17 measures aimed at ensuring compliance are adopted. Such
18 measures should stipulate a reasonable period for the
19 operator to comply. In general the determination of a
20 reasonable time to comply should take into account the
21 specific nature of the satellite industry, of the breach
22 concerned, and of the remedy envisaged. In particular,
23 where the launch of a satellite would be necessary to
24 achieve compliance with any of the common conditions
25 concerned, measures adopted may provide for a roadmap

1 including intermediate steps and corresponding time
2 limits. A second phase triggered by the failure to
3 address serious and repeated breaches can then lead to
4 withdrawal of the rights of use."

5 And we can see how it is supposed to work in
6 Article 3. It is headed "Coordination of enforcement of
7 common conditions", so Article 3(1):

8 "Where an authorising Member State finds that
9 an authorised operator does not comply with one or more
10 of the common conditions [under Article 7, that should
11 say] and informs that operator of its findings ... it
12 shall at the same time inform the Commission ... [and]
13 the other Member States."

14 Then it provides for a period of investigation.

15 "(4) Member States shall refrain from adopting any
16 final decision.

17 "(5) After the meeting of the Communications
18 Committee ... each authorising Member State which has
19 notified the authorised operate of its findings ... and
20 concludes that one or more common conditions have been
21 breached shall take appropriate and proportionate
22 measures, including financial penalties, aimed at
23 ensuring compliance by the ... operator ... with the
24 common conditions, with the exception of withdrawal ..."

25 So in other words the initial phase cannot involve

1 withdrawal.

2 "(6) In the event of serious or repeated breaches of
3 the common conditions, any authorising Member State ...
4 shall inform the Commission of its intention and provide
5 a summary of any measure taken ... to comply ...

6 "(7) Within 3 months of the transmission by the
7 Commission ... a meeting of the Communications Committee
8 shall be convened with the objective to coordinate any
9 withdrawal of an authorisation ... in the meantime all
10 authorising Member States shall refrain from adopting
11 decisions entailing withdrawal ..."

12 So the point I am making is simply that there is
13 a carefully graduated regime for enforcing those
14 conditions of authorisation of the satellite under
15 Article 7. Why is it like that? The answer is given in
16 recital 11: it is the specific nature of the satellite
17 industry. Ultimately the purpose of this regime is to
18 put in place mobile satellite services for consumers,
19 but as the potted history of this particular product
20 shows, that is expensive and complex and plans can go
21 wrong. So instead of a strict liability regime that
22 would revoke authorisation, what you have instead is
23 a graduated process coordinated across the EU.

24 As Mr. Holmes has said, there has been
25 an enforcement process of this kind, but the important

1 point is none of this at all has any bearing on the
2 issues that Ofcom had to decide in this particular case.

3 THE CHAIRMAN: Can you just help me with this, Mr. Ward, to
4 make sure I just understand. Article 3(4):

5 "Member States shall refrain from adopting any final
6 decision on the alleged breach before the meeting of the
7 Communications Committee ..."

8 But as I understand this mechanism, having read it
9 briefly, the individual member states never get to
10 decide finally whether anything shall be done. That is
11 always taken centrally and then it is sent out to them
12 to enforce; is that right?

13 MR. WARD: I am not sure that is quite right.

14 THE CHAIRMAN: How does it work then?

15 MR. WARD: Sorry, maybe I will get a quick answer. (Pause).

16 So it is after the -- essentially they notify the
17 committee of what they are proposing to do. There is
18 then a discussion of it and then in the light of that
19 the member state can act. So it is not the case that
20 the Commission just takes the action.

21 THE CHAIRMAN: I see. It is not -- yes. Right, yes,
22 thank you.

23 MR. WARD: So in my respectful submission, all of the debate
24 about whether or not these Article 7 conditions were
25 met, whether or not the satellite was launched late,

1 which undoubtedly it was, is simply irrelevant to the
2 narrow scope of this judicial review challenge.

3 We would also say the same about the various other
4 complaints, about essentially what are public
5 procurement-type complaints, about departures from
6 whatever was originally proposed by Inmarsat.

7 I did give the tribunal the references for the key
8 commission correspondence when I popped on my feet just
9 when Mr. Bowsher was opening his case, but if it would
10 be of assistance, I would like just to take you, just to
11 drill in slightly more closely to what Viasat was saying
12 to the Commission. The letters are marked confidential,
13 I do not need to read them out, but the Viasat complaint
14 is in bundle E1 under tab 49, and I am going to do some
15 sort of pointing rather than reading out.

16 MR. BOWSHER: Just to clarify, I think we are happy that you
17 read it out. It is only marked yellow because of,
18 perhaps, oversensitivity about the proceedings.

19 MR. WARD: Dare I read out what the Commission said as well?

20 MR. BOWSHER: That is for you.

21 MR. WARD: That is not really yours?

22 MR. BOWSHER: I do not see why you should not.

23 MR. WARD: It is E1/49 and it is a Latham & Watkins letter
24 to the Commission which essentially kicked off its
25 dialogue, if I can call it that, with the Commission.

1 Do you have that?

2 THE CHAIRMAN: Yes, I do.

3 MR. WARD: I am not going to read it all out or, indeed, sit
4 here and watch you read it, although you have the
5 opportunity to read it, it is helpful.

6 I would like to take you, if I may, to the third
7 page of the letter and just highlight some of the things
8 that were being said. You will see there are a series
9 of bullets which are numbered in the text, and it is the
10 first and the third that are particularly helpful for
11 the purposes of this part of the argument:

12 "First, the S-band spectrum was allocated to
13 Inmarsat and EchoStar in a competitive tender, only for
14 the provision of MSS ... the Commission set up a
15 dedicated legislative framework ... Inmarsat cannot now
16 be rewarded for its failure to respect the conditions of
17 utilisation, with an authorisation to redefine the
18 purpose of the same spectrum. Any additional delays ...
19 in meeting the relevant progression 'milestones' should
20 lead to the forfeiture of its MSS licences."

21 Now you already have my submission about why that
22 point was going nowhere.

23 Then thirdly, the third bullet point has a strong
24 echo in Mr. Bowsher's opening:

25 "... allowing the change of use requested by

1 Inmarsat without recourse to a new competitive tender,
2 open to all interested bidders, according to updated
3 terms and conditions, would very likely undermine
4 competition in the emerging new market for [in-flight
5 connectivity]."

6 So that is the complaint again that Mr. Bowsher was
7 making.

8 At least here it is being made to the Commission
9 rather than Ofcom. And then over the page, the third
10 paragraph, which is the second paragraph after the
11 bullet point, it says:

12 "Viasat is convinced that a thorough and poised
13 assessment of the above-mentioned legal and policy
14 issues should bring the Commission to conclude that the
15 new use Inmarsat requests cannot be granted without
16 a new competitive tender process."

17 So all this, broadly what I would call public
18 procurement argument was advanced to the European
19 Commission and the answer it gave is in bundle E2/58.
20 If I can summarise the answer in a word, that word was
21 "No". But I am not brave enough to read out the
22 European Commission's letter.

23 I will just draw your attention to just two
24 paragraphs. They are quite short. I am content for the
25 court to read them.

1 THE CHAIRMAN: E2/58, this is what we have seen before?

2 MR. WARD: Yes, you have, and on the first page it is the
3 main paragraph, which is the fourth paragraph, it is the
4 only one of any substance, if I could just ask you to
5 read that. (Pause).

6 Then over the page, the most helpful paragraph is
7 the second to last that begins with the words "In this
8 context ...". (Pause).

9 THE CHAIRMAN: But that is about enforcement action against
10 a member state.

11 MR. WARD: Indeed. Indeed. But the tenor of this letter is
12 that these complaints, which were, at least, insofar as
13 they were talking about the procurement exercise, the
14 tender exercise, were at least targeted at the right
15 person, namely the Commission who had conducted it, but
16 the Commission has expressed no interest at all in these
17 complaints.

18 The position of Ofcom is even stronger because it is
19 not even in any way responsible for that aspect of the
20 process.

21 THE CHAIRMAN: This seems more concerned with the
22 enforcement side rather than the public procurement
23 side.

24 MR. WARD: Yes, well it is both, and the letter governs both
25 sets of complaints. Sorry, if you will give me

1 a moment.

2 MR. BOWSHER: Just to say, when you read the paragraph you
3 have just been taken to, I think it only makes sense if
4 you read it in the light of the paragraphs at the top of
5 the page which I took you to yesterday which explains
6 why you would end up with enforcement against member
7 states. I mean, it is the -- in response to that
8 I would confirm that no decision has been taken by the
9 Commission on any -- well, while the Commission services
10 do monitor what is going on, it is a matter to be dealt
11 with by the competent national regulatory authorities,
12 and that is the short point. That is why they end up
13 talking about enforcement against member states
14 presumably, because they are saying: if they are not
15 doing it, we will enforce against them.

16 THE CHAIRMAN: Yes, this is a letter referred to in public
17 proceedings, so I am not just going to leave it hanging
18 as to whether this is confidential or not. Does anybody
19 want to make a submission that the paragraphs read
20 should be treated as confidential?

21 MR. WARD: No.

22 THE CHAIRMAN: In that case, for the purposes of anybody who
23 might otherwise be entitled to inspection of that
24 document, it is a document read in public proceedings,
25 and I do not know whether the tribunal rule which

1 corresponds with the CPR on that point, that document
2 shall not be regarded as confidential.

3 MR. WARD: Thank you, sir.

4 The broad point I make, though, is that these
5 complaints about the tender process had no bearing on
6 what Ofcom was doing. It was not a public authority
7 letting a contract that is applied to public toilets,
8 like the *Wall* case that Mr. Bowsher
9 took you to: it was simply performing a narrow role in a
10 harmonised framework. We will deal with Mr. Bowsher's
11 authorities in our closing rather than take up time with
12 them now, but none of them have any bearing on that
13 particular exercise. Ofcom was not responsible for the
14 tender exercise, nor was it in a position to remedy its
15 defects.

16 I am very conscious of the time and I want to take
17 my last point very briefly, which concerns the question
18 of complementarity. The basic complaint of Viasat is
19 that the terrestrial segment of the EAN is not
20 a complementary ground component because there are too
21 many ground stations and they provide too much capacity,
22 but the fatal objection to this argument that emerges
23 from Mr. Holmes' submissions is there is no threshold
24 condition of the permissible ratio between ground
25 station and satellite, if I can put it neutrally,

1 contribution to the services.

2 Of course the Commission or the Parliamentary
3 Council could have imposed that kind of condition, but
4 it is obvious why it would not do; because it would be
5 a fetter on innovation and the scheme is there to foster
6 innovation in the provision of services.

7 But when we heard Mr. Bowsher's case yesterday there
8 were times when it sounded as if Inmarsat had not put up
9 a satellite at all, whereas the reality is, of course,
10 that there is a satellite up there, it is the product of
11 very large investment, but the case that was put
12 yesterday is that it really is not doing anything, and
13 I will quote Mr. Bowsher from yesterday's transcript.
14 He accused Inmarsat of:

15 "... throw[ing] the word 'satellite' in here and
16 there because it sounds good and also ticks a regulatory
17 box."

18 That is in the transcript of yesterday on page 133.

19 In their skeleton they contrast the satellite with
20 what they would call a bona fide satellite system. That
21 is on page 46 of their skeleton at paragraph 77(a).

22 Dr. Webb says:

23 "... it seems possible Inmarsat has built the
24 satellite ... solely ... to appear to meet the
25 requirements of the legislature's MSS Decision."

1 That is paragraph 119 of his report, bundle D/8,
2 page 40. So this is all quite close to the allegation
3 that the satellite is really some kind of sham, and they
4 need to put the case that high precisely because the
5 legislation has not got any kind of threshold built into
6 it.

7 But it is a remarkably bold case when one looks at
8 the facts on the ground, or in the air: there is
9 a satellite; the scheme is being actively marketed;
10 Inmarsat is in the process of persuading airlines to
11 purchase and install the satellite equipment and carry
12 it with them round the world, or at least round Europe,
13 burning jet fuel.

14 So in our respectful submission the evidence which
15 you are going to hear in the next day and a half does
16 not come anywhere near to establishing that the
17 satellite is really just in some way decorative, or
18 deliberately there to tick the box in a regulatory sense
19 but has no function.

20 Then finally an aspect of this argument is that
21 there is a debate raised by Viasat about the type of
22 satellite that Inmarsat put up and, in a nutshell,
23 Viasat criticises Inmarsat for not putting up
24 a satellite with a bigger antenna that could have
25 transmitted more beams, a more powerful satellite.

1 But we do respectfully remind the tribunal this is
2 an application for judicial review of a decision by
3 an expert regulator. What this argument amounts to is
4 that Ofcom should have second-guessed Inmarsat's
5 judgment about what kind of satellite to launch and
6 should have refused authorisation because they used the
7 wrong type of satellite. That is evidently a hopeless
8 proposition. It is far beyond the function that Ofcom
9 was actually performing, which was a narrow
10 authorisation exercise.

11 But this proceeding is even one further removed from
12 that: Viasat has to persuade this court on the judicial
13 review threshold that the decision is flawed on that
14 basis. What we will see from the evidence is that, in
15 truth, there are commercial engineering choices about
16 what kind of satellite to put up. That bears on costs.
17 That, in turn, bears on competitiveness. In our
18 submission there is no basis for the tribunal any more
19 Ofcom to conclude that because different system design
20 choices could have been made, the system fails some
21 hypothetical threshold test and, as a result, the
22 services should not be provided.

23 Unless I can assist further, those are the opening
24 submissions for Inmarsat.

25 THE CHAIRMAN: No, thank you.

1 MR. WARD: Thank you, sir.

2 THE CHAIRMAN: Just before we start, I think Mrs. Walker has
3 a question for Mr. Holmes.

4 MS. WALKER: I do, thank you very much indeed.

5 Both you and Mr. Ward have emphasised at various
6 points the restrictions on the role that Ofcom plays
7 during this function. Mr. Ward has drawn attention to
8 the significant benefits to consumers of what the
9 satellite system has to offer. Can you just talk me
10 through where in this process Ofcom has looked at the
11 interests of consumers, if it has?

12 MR. HOLMES: Yes, of course, madam. The process of
13 selection was, of course, not undertaken by Ofcom but
14 the Commission, and consumer benefits were considered
15 among the selection criteria by the Commission then.

16 MS. WALKER: Yes.

17 MR. HOLMES: So Ofcom had no role in that. Turning to
18 consider authorisation, Ofcom had, again, to grant
19 an authorisation of the mobile satellite system governed
20 subject to common conditions, and it lacked any
21 discretion at that point either to consider directly the
22 consumer benefits that would flow from authorising
23 either of the appointed operators. At that stage it was
24 a fairly mechanical question.

25 Now, of course, in formulating the -- and then

1 finally at the authorisation stage again Ofcom is
2 required to authorise the candidates selected. So it
3 leaves very little room for Ofcom to consider consumer
4 benefit directly because it lacks a discretion to refuse
5 to issue a licence.

6 Indirectly it did, however, consider consumer
7 interests in several aspects of its work. Firstly,
8 I showed you the passage at the end of section 4 of the
9 decision in which Ofcom considered whether it would be
10 inclined to authorise Inmarsat having regard to its
11 statutory duties if it were correct, as Viasat was
12 contending, that it needed to consider a wider range of
13 matters. In relation to that Ofcom did consider, and
14 the considerations that weighed with it were that the
15 spectrum is currently reserved for particular operators,
16 and Ofcom cannot look beyond that; there are priority
17 uses and so therefore it cannot grant licences of this
18 spectrum willy-nilly, so spectrum lying fallow, as it
19 put it.

20 MS. WALKER: Yes.

21 MR. HOLMES: And it regarded the Inmarsat service as
22 bringing a new and innovative service for the benefit of
23 consumers, and so to that extent it considered the
24 consumer interest in order to check that if it did have
25 a discretion it would be inclined to exercise that

1 discretion by granting an authorisation for the CGCs.

2 MS. WALKER: Right, thank you. Actually, I am glad I asked

3 the question because, as I understand what you have said

4 to me, first of all the interests of consumers through

5 this process is primarily in the EU framework?

6 MR. HOLMES: Yes, that is correct.

7 MS. WALKER: Legally you do not have the discretion to look

8 at your duties under the WTA and the

9 Telecommunications Act. If you had -- you do not have

10 the legal discretion under the process.

11 MR. HOLMES: That is my submission, yes.

12 MS. WALKER: Yes. If you did have and you did think about

13 it, you would have been positive about this proposal on

14 behalf of consumers. That is what I understand you are

15 saying?

16 MR. HOLMES: Indeed. Save that the last point is a little

17 stronger than the way in which you have put it.

18 MS. WALKER: Yes.

19 MR. HOLMES: Because Ofcom did consider the point --

20 MS. WALKER: Yes.

21 MR. HOLMES: -- and it can be seen from the authorisation

22 statement that the point was given some attention.

23 MS. WALKER: Yes.

24 MR. HOLMES: So it is not just me saying ex post facto

25 we would have reached a particular conclusion: I am

1 saying that was the view that the decision-maker behind
2 me reached at the time.

3 MS. WALKER: I understand. Thank you very much indeed.

4 MR. HOLMES: I am grateful, madam.

5 Unless there is anything further?

6 THE CHAIRMAN: No. Thank you, Mr. Holmes.

7 Mr. Bowsher.

8 MR. BOWSHER: The next stage is to call Dr. Webb to give
9 evidence.

10 THE CHAIRMAN: Yes.

11 DR. WILLIAM WEBB (Affirmed)

12 THE CHAIRMAN: Do stand or sit as you like, Dr. Webb.

13 A. I will stand, thank you.

14 THE CHAIRMAN: Right. If you are going to stand I expect
15 you will need something to put some documents on. Can
16 somebody find a box. Is there an unused lectern at the
17 back?

18 Examination-in-chief by MR. BOWSHER

19 MR. BOWSHER: Could the witness have file D and file F.

20 THE CHAIRMAN: Dr. Webb, if you feel after a while you are
21 tired and would like to sit, you may do so, but you
22 cannot bob up and down because of the lectern.

23 MR. BOWSHER: Are your full names William Webb?

24 A. Yes.

25 Q. And your address is Hawksmead, Moat Lane, Melbourn,

1 Hertfordshire, SG8 6EH?

2 A. Correct.

3 Q. Could you turn to file D. Do you have file D? And turn
4 to tab 8, which is a document of 51 pages. Is that your
5 signature on the very back page there?

6 A. Yes, it is.

7 Q. And then if you turn to tab 9, again if you go to the
8 last page is that your signature there?

9 A. Yes.

10 Q. And are these two reports which you have prepared in
11 those proceedings?

12 A. Yes, they are.

13 Q. Have you had the opportunity to re-read them before
14 coming to give evidence today?

15 A. I have, yes.

16 Q. Is there anything in them that you wish to qualify,
17 reflect upon?

18 A. Yes, there is one minor amendment that I would like to
19 make, which is in my first statement in paragraph 41.
20 About mid-way through that paragraph I note that:
21 "... the ground-facing terminal faces away from the
22 satellite (ie, is under the airplane fuselage, pointing
23 towards the ground), which further makes communication
24 between the systems impossible."
25 On reflection I think "impossible" is perhaps

1 slightly too strong a word. There is often some
2 technical workaround that can be achieved; I would be
3 inclined to rephrase that as "extremely challenging", or
4 something along those lines.

5 Q. Thank you. Are there any other qualifications you
6 wanted to make?

7 A. No, thank you.

8 Q. Subject to that, do these two reports set out your
9 opinion on the matters you have been asked to address in
10 this matter?

11 A. Yes, they do.

12 Q. And if I can just very briefly ask you to comment on
13 your qualifications. Page 50 of the first report at
14 tab 8 is a short biography of yourself, in which you
15 note various previous activities. Of the various
16 activities that you note there, what experience is it
17 your opinion is most relevant to the exercise of
18 judgment in this matter, by yourself?

19 A. I would say the seven years I spent at Ofcom where
20 I both more deeply understood the regulatory
21 environment, but also for a number of those years I was
22 head of Ofcom's research and development activity where
23 I took a look at a number of new technologies across the
24 broad swathe of different spectrum usage regimes.

25 Q. Mr. Sharkey, whose witness statements you have seen.

1 A. Yes.

2 Q. He has put in two witness statements and in his second
3 witness statement he spends quite a bit of time talking
4 about what you may or may not agree and how you may or
5 may not be talking at cross-purposes. With the
6 Tribunal's permission, may I just ask a few questions
7 about defined terms, because it seems to me that, if you
8 are able to define the terms that the two of you are
9 talking about, we may be able to clarify what you are or
10 are not agreeing upon, if that is helpful. I have only
11 got ten or so questions in that space.

12 To that end, it is probably helpful that you take
13 the legislation file, file F, so we all have the context
14 that we are talking about. Keep D just in case you need
15 to jump back to it. Keep D to one side, and if you
16 would turn to file F, it will not be any surprise that
17 we are again going to tab 6, and the definitions in
18 Article 2(2) where we have various concepts, if I use
19 "concept" as a neutral term.

20 In Article 2(2)(b), you will have heard some
21 discussion today, there is reference at the very end to
22 the term "quality". Just in general terms in the
23 context of these sorts of matters, what do you
24 understand is the technical significance of the term
25 "quality"?

1 A. Yes, so I would like to take a moment to put this into
2 a framework of terminology, because I think it is best
3 understood in that respect, and it seems to me that
4 there is a hierarchy of terms that starts with "quality"
5 at the bottom and then goes up through "coverage",
6 "availability", "capacity", and then "overall user
7 experience".

8 So unless it is qualified by another term -- and
9 I will come back to that at the very end -- my
10 understanding of "quality" is whether a signal can be
11 received with sufficient quality that it can be
12 adequately decoded. So could a receiver understand the
13 contents of that signal, and that measure of quality is
14 often picked up in terms such as "adequate signal
15 strength", or something like that, such the receiver is
16 able to understand the information encoded on that
17 particular signal. So it might be able to understand
18 that the base station is saying to it that it has
19 certain particular parameters.

20 "Coverage" we have talked about a little --

21 Q. Sorry, just before you go there, can we just look at --
22 in that provision there is the term "required quality";
23 how would you fit that in with what we are talking about
24 in terms of quality?

25 THE CHAIRMAN: Well, this is a question of construction of

1 this document, is it not?

2 MR. BOWSHER: It may be a technical term. Given that these
3 are all technical terms --

4 MR. HOLMES: Sir, I am slightly concerned. I should
5 clarify, there are certain points that are covered in
6 Dr. Webb's evidence on which I do not intend to
7 cross-examine because they appear to Ofcom to really
8 concern the construction --

9 THE CHAIRMAN: Yes.

10 MR. HOLMES: -- and purpose of the legislation.

11 THE CHAIRMAN: I agree.

12 MR. HOLMES: In relation to those matters, of course it is
13 for the tribunal to decide, it is not for expert
14 evidence to be given.

15 THE CHAIRMAN: Yes.

16 MR. HOLMES: I am slightly concerned by the direction of
17 this line of questioning which, as you say, sir, appears
18 to be trespassing on matters of legal construction
19 rather than expertise. I had taken it that the core of
20 Dr. Webb's expert evidence, and we fully acknowledge his
21 expertise, but with great respect, the core is about the
22 design and operation of wireless systems and it is on
23 that that I was proposing to cross-examine him.

24 THE CHAIRMAN: Yes, just one moment, Mr. Bowsher. (Pause).

25 Mr. Bowsher, I am going to stop cross-examination

1 which goes to this witness's opinion of what this
2 document means. This witness can give evidence of what
3 "quality" would mean to an engineer and then you would
4 be able to make submissions as to whether it means the
5 same thing here, but so far as he is being invited to
6 give evidence of his opinion of what it means here, I am
7 not going to -- we are not going to allow that.

8 MR. BOWSHER: I am grateful. If we shut the legislation
9 and, as it were, take --

10 THE CHAIRMAN: Well, if you want to use the legislation as
11 a reference point, then I do not think there is any harm
12 in that provided it is quite clear what you are asking
13 questions about.

14 MR. BOWSHER: The question I am wanting to ask in each case
15 is "What is your understanding is the technical
16 significance of quality"?

17 THE CHAIRMAN: What would it mean to an engineer in this
18 context?

19 MR. BOWSHER: In this context.

20 THE CHAIRMAN: Yes.

21 MR. BOWSHER: Let me try that again. So you have covered
22 quality. Maybe we can come back to and move on to
23 coverage, a concept which you discuss in your first
24 report. Is coverage a -- what is your understanding as
25 to how one measures or establishes better or worse

- 1 coverage as an engineering concept?
- 2 A. Yes, so my understanding is that coverage is all of the
3 geographical area where a minimum quality threshold is
4 exceeded such that a signal can be received with the
5 required quality, and that requirement may vary. In
6 some cases regulators set out a requirement for a very
7 minimum degree of quality. In other cases it is
8 a higher degree to enable faster data rates or similar,
9 but essentially coverage is the geographical area where
10 the quality threshold is met.
- 11 Q. You have used the phrase now, so I may as well ask. In
12 your terms is "required quality" a technical phrase or
13 a regulatory phrase; does it have an engineering
14 meaning, the term "required quality"?
- 15 A. It absolutely has an engineering meaning and it is
16 normally expressed in engineering terms such as signal
17 to noise ratio or signal distortion, which essentially
18 is a specific technical measurement of whether the
19 signal could be decoded by a competent receiver.
- 20 Q. You mentioned other language contexts in which the word
21 "quality" might be used which ought to be pointed out.
22 Are there any that you would point out here to, as it
23 were, distinguish other uses of the word "quality" in
24 this framework?
- 25 A. Yes, "quality" is a broad term and is also sometimes

1 used in terms such as quality of service, abbreviated to
2 QOS, where it is then specifically applied to service,
3 and that is normally understood to mean the overall
4 service that an end user receives, which would then
5 encompass all aspects of the service including both the
6 signal levels and the capacity of the system as well.

7 DR. ELPHICK: So quality at one level for the engineer could
8 be at the bottom of your hierarchy, but it can also,
9 perhaps for other audiences, commentators, be at the top
10 of your hierarchy of user experience.

11 A. Indeed, that is very correct, sir, and typically then
12 you would look for the context or the qualifying words
13 such as quality of service in order to understand
14 exactly what is meant in that case.

15 MR. BOWSHER: So we have covered quality and coverage, going
16 through the hierarchy, what is your understanding of the
17 technical significance of "availability" as
18 an engineering concept in this context?

19 A. So I consider "availability", the super position of
20 coverage and ability of a user to actually make use of
21 that coverage, which would typically mean being able to
22 able to obtain a terminal, being able to obtain
23 a service, perhaps by paying a tariff or some other kind
24 of ability to make use of that.

25 So, essentially, a service is only available if

1 somebody can actually go about and use it, for which
2 there must be coverage is the basis, but there must be
3 other things as well depending on its commercial
4 offering and so on.

5 Q. I perhaps do not need to ask this, but could you just
6 explain therefore the difference between coverage and
7 availability is what?

8 A. So coverage is a basic metric of geographical area. It
9 does not necessarily imply anyone can actually use it.
10 So coverage could be provided by a satellite across
11 an area and that could be measured in terms of its
12 signal quality at any point in that area, but it does
13 not specifically imply that somebody could actually go
14 out and buy a terminal and make use of that coverage.
15 It becomes availability when it is possible to actually
16 make use of that service, it becomes an available
17 service to a group of users.

18 THE CHAIRMAN: So what have you added to "coverage" in order
19 to achieve availability in those circumstances?

20 A. The availability of terminals, of commercial offerings
21 as and when needed.

22 THE CHAIRMAN: So coverage -- right. Coverage will mean --
23 could also mean, then, availability to someone who has
24 the right kit and the right contract?

25 A. Yes. Yes, sir.

1 MR. BOWSHER: Now, you discuss capacity in some length in
2 both your reports, so I do not want to go over that
3 again, but just to highlight one point: why is it that
4 you say in your first report that overall system
5 capacity rather than data rate is --

6 MR. HOLMES: Sir, I hesitate to interrupt Mr. Bowsher, but
7 the understanding was that there would be
8 examination-in-chief in relation to Mr. Sharkey's second
9 report. I do not understand how any of these questions
10 have yet been related to the second report which covered
11 narrow matters. There have been two expert reports
12 already submitted by Dr. Webb. I of course do not want
13 to circumscribe his evidence. I hope my questions will
14 enable him to give a proper account of himself under
15 oral examination, but Mr. Bowsher's questions appear to
16 be broad re-coverage of terrain which has already been
17 covered in two expert reports which bear no relation to
18 Mr. Sharkey's second statement, which was the basis on
19 which open examination-in-chief was agreed.

20 THE CHAIRMAN: Mr. Bowsher, the first challenge is that you
21 are not asking questions which arise out of
22 Mr. Sharkey's second report; do you accept that?

23 MR. BOWSHER: I think that last question I probably accept
24 it for that last question. The previous questions do
25 arise out of it, because -- again, I do not want to

1 waste time now --

2 THE CHAIRMAN: Never mind about those, because you have
3 asked those questions and we have heard the answers.

4 Can we hear the full question, please, before
5 I decide whether to allow you to ask it?

6 MR. BOWSHER: Let me move on to the further question, which
7 is plainly out of Mr. Sharkey's second statement. If
8 I can move on to, as it were, the final question, can
9 I do that?

10 THE CHAIRMAN: All right.

11 MR. BOWSHER: The premise arising from the second statement
12 is that Mr. Sharkey says that you both agree that
13 EchoStar, the EchoStar satellite, would have 25 to 30
14 times capacity of the payload that is part of the
15 Hellas Sat 3 payload. He says that you agree that.
16 Now, do you accept that that is agreed between you?

17 A. I think we are close on that matter. My estimates were
18 that the capacity, I think I said, may be something in
19 the region of 30 to 90 times. I do not have detailed
20 design data, so I accept that there may be some
21 uncertainty in what I am saying. His factor of 25 seems
22 quite close to my bottom factor of 30. I think for the
23 purposes of the debate we are having, that is
24 sufficiently close.

25 Q. How is it possible to reconcile that with Mr. Sharkey's

1 assertion in his second witness statement that the
2 EchoStar satellite within the EAN would still provide --
3 that if the EchoStar within EAN, it would only provide
4 less than, I think, 4 per cent of the total EAN
5 capacity. How does one reconcile the 25 to 30 times
6 capacity increase, yet you are changing between 1 or 2
7 or 3 per cent in the 90 per cent range; how does that
8 work?

9 A. Yes, so in my first statement I concluded that the
10 satellite -- that the current Inmarsat satellite
11 provides about 0.1 per cent of the total system
12 capacity. If, therefore, there was a satellite with,
13 let's say, 30 times more capacity, then that would
14 provide roughly 30 times 0.1 per cent, which is
15 3 per cent, so that would move it to 97 per cent,
16 I think Mr. Sharkey said 96, which would imply 40 times
17 more capacity. That is within my bounds of what
18 I thought the increase in capacity of the EchoStar
19 satellite compared to the Inmarsat satellite was. So
20 that all seems to make sense in terms of overall numeric
21 numbers.

22 MR. BOWSHER: I think that that probably covers what
23 I needed to deal with arising out of Sharkey 2.

24 THE CHAIRMAN: Can I just ask you one question of
25 clarification just before cross-examination. I am

1 entirely sure this is my fault but I cannot quite work
2 this out. Paragraph 115 of your statement, please.

3 A. Yes.

4 THE CHAIRMAN: This is your 0.1 per cent high load scenario
5 statement. What numbers do you apply to get to
6 0.1 per cent? What numbers from your report? I could
7 not work out what numbers you applied to get there?

8 A. Yes, so I believe that I am taking the 42 Mbits/s from
9 the satellite, and the 34 Gbits/s of the total system
10 capacity of the ground component, and then essentially
11 noting that 42 is roughly 0.1 per cent of 34,000.

12 THE CHAIRMAN: So the mathematical calculation --

13 A. Yes.

14 THE CHAIRMAN: -- is 42 megabytes over 32 gigabytes; is that
15 right?

16 A. Yes, I believe it is 34, but yes.

17 THE CHAIRMAN: Times 100 over 1.

18 A. Yes.

19 THE CHAIRMAN: And I assume at the moment 32 -- sorry, the
20 30 whatever it was, gigabytes is in paragraph ... this
21 is not a quiz and if anybody can find it before Dr. Webb
22 does --

23 A. It is in 105.

24 THE CHAIRMAN: Where?

25 A. 105, sir, in the table in paragraph 105.

1 THE CHAIRMAN: Oh yes.

2 A. 34,268 megabytes.

3 THE CHAIRMAN: I see, thank you.

4 A. So that would equate to slightly more than 0.1 per cent,
5 but when rounded, would round to 0.1 per cent.

6 THE CHAIRMAN: I can see where your numbers come from.

7 Thank you very much.

8 Mr. Holmes, who is cross-examining first?

9 MR. HOLMES: I am, sir.

10 Cross-examination by MR. HOLMES

11 MR. HOLMES: Good afternoon, Dr. Webb, thank you very much
12 for joining us today.

13 Your doctorate was in the field of electronic
14 engineering; is that correct?

15 A. Yes.

16 Q. And you are expert in the design and operation of
17 wireless communications networks?

18 A. Yes.

19 Q. Before I come to the substance, there is just one minor
20 point of correction which I would like to canvass with
21 you to see whether we can agree upon it.

22 If you could turn in your second report to
23 paragraph 52. I hope that I am right about this, but if
24 not then you must correct me, because I know that you
25 are knowledgeable in these matters.

1 At 52, you say that:

2 "Even when very low narrowband voice-only rates are
3 assumed and users are restricted to less than two
4 minutes voice call per day, Mr. Harrison [that is
5 Ofcom's witness] calculates that 141,600 users could be
6 served simultaneously ... "

7 By the Inmarsat satellite given its 42 Mbits/s
8 capacity.

9 A. Yes.

10 Q. "... whereas the Commission envisaged the minimum number
11 of users required to receive a score to be 1 million
12 simultaneous users."

13 Could I ask you to take up the legislation bundle,
14 which is bundle F, and turn to tab 7. You will see that
15 this is the call for applications. Am I correct that
16 this is the document from which you took the million
17 simultaneous users point?

18 A. Yes.

19 THE CHAIRMAN: Sorry, you are in F/7?

20 MR. HOLMES: F/7. Yes, this is really just a very small
21 point, but it is just for correction.

22 If you could turn within tab 7 to page 15, you will
23 see the numbering is in the corner, you will be familiar
24 with these documents.

25 A. Yes.

- 1 Q. Do you see it?
- 2 A. Yes.
- 3 Q. Do you see under the scoring method there is a table
4 which sets out different types of service and different
5 simultaneous end user numbers?
- 6 A. Yes.
- 7 Q. And do you see in relation to basic voice, at B, there
8 is:
- 9 "Two-way voice, multi-media and/or data services."
10 Do you see that?
- 11 A. Yes.
- 12 Q. And under that at 1 there is:
- 13 "Basic voice and low speed ... interactive data
14 services."
15 Now I have to say very low speed, 64 Gbits/s, by
16 modern standards, but in 2008 we see the band rate has
17 shifted a bit.
- 18 A. Yes.
- 19 Q. And if you look across there are then various numbers
20 specified, but if you look to the right of the B
21 category it says:
- 22 "Planned simultaneous end users in the EU:
23 thousands."
24 A. Mm.
- 25 Q. And the first score is for under 10,000 but above 1,000.

1 So are you prepared to accept in the light of this that
2 paragraph 52 should be corrected so as to read:

3 "... required to receive a score to be 1,000
4 simultaneous end users."

5 A. Yes. Thank you, I am prepared to accept that. Thank
6 you for that clarification.

7 Q. And on the same point, if you could just keep this open
8 for a moment and turn within your first witness
9 statement, if you have that to hand?

10 A. I do, yes.

11 Q. To paragraph 125. You say there that:

12 "Recall that this is the entire capacity of one beam
13 of the satellite, each beam covering approximately
14 a third of a service area ... in the case of handheld
15 satellite terminals, the data rate of 2.2 Mbits/s would
16 be shared across all users in that beam. Assuming
17 a minimum of 100 kbits/s for certain of the services
18 described at paragraph 59 above, access this implies 22
19 simultaneous users across a beam, or 66 users across the
20 entirety of the satellite coverage. This is clearly not
21 a viable consumer broadband service. Indeed, in the
22 selection criteria published by the European Commission,
23 maximum points are scored for more than 50 million
24 simultaneous end users and the lowest points score was
25 for services providing services to more than 1 million

1 simultaneous users."

2 Returning to the scoring method on page 8 --

3 A. Yes.

4 Q. -- would you accept that the maximum number of scoring
5 for interactive high speed data, which back in those
6 days was rates of over 64 kbits/s, nowhere close to the
7 rates you are considering, was over 50,000 simultaneous
8 users?

9 A. Yes, I see I have made the same error there, yes.

10 Q. And would you accept that the lowest point score was for
11 services providing services to more than 1,000
12 simultaneous users?

13 A. Yes, I would accept that.

14 MR. HOLMES: I am grateful.

15 THE CHAIRMAN: So what corrections do we have to make to
16 paragraph 125?

17 A. To change the word "million" to "thousand".

18 THE CHAIRMAN: Thank you.

19 MR. HOLMES: While we are on that page, the services in
20 relation to which very high numbers of users were the
21 subject of -- were required to obtain a score, the
22 identified service is one-way, multi-media and data
23 services. Am I right in understanding that the service
24 that would be provided in that case would effectively be
25 a broadcasting of data from the satellite across

1 a coverage area so that it was only capable of being
2 received, basically a Sky satellite providing data
3 instead of TV, and not any kind of an interactive or
4 two-way service?

5 A. I am not absolutely certain on that. One-way certainly
6 indicates it is intended to be coming down from the
7 satellite to the end user. Whether that implies it
8 could only be a broadcast service or whether there could
9 be some kind of individual service within that I think
10 would require further consideration.

11 MR. HOLMES: I am grateful, thank you. So we can put that
12 away now and turn to the substance of your reports.

13 THE CHAIRMAN: Well, before we start that, rather than
14 getting into it, is that a convenient moment?

15 MR. HOLMES: It is, sir, yes, if that is convenient for you.

16 THE CHAIRMAN: And I am not asking this in order to suggest
17 time limits, but can you give an estimate, please, for
18 how long you will be, then Mr. Ward, and how that is
19 going to pan out with the rest of the witnesses
20 tomorrow?

21 MR. HOLMES: It is always very difficult. Dr. Webb is
22 admirably crisp. I do not imagine that I will be more
23 than a maximum of two hours.

24 THE CHAIRMAN: Right. Mr. Ward?

25 MR. WARD: I was going to say a maximum of one hour.

1 THE CHAIRMAN: Right, and then the other witnesses tomorrow?

2 MR. BOWSER: Well, yes, I was going to say, that rather

3 compresses -- I have two witnesses to cover in about two

4 hours, which is going to be rather tight, I think.

5 MR. HOLMES: What is your estimate?

6 MR. BOWSER: I certainly thought more than two.

7 THE CHAIRMAN: Two what?

8 MR. BOWSER: More than two hours. One hour each is going

9 to rather stretch it. I think one would be about

10 an hour and I thought the other would be about two, so

11 I reckoned about three hours, I have to say.

12 THE CHAIRMAN: We will have to see where we go. I do not

13 want to compress cross-examination. I think if we start

14 imposing arbitrary time limits on cross-examination you

15 will not be able to do justice to the case. We will

16 take a view tomorrow and see how it is going, but you

17 should all assume that whatever you can do to shorten

18 your cross-examinations, you should do. We planned to

19 finish tomorrow. I think the openings have gone on

20 longer, for entirely understandable reasons, nobody is

21 to blame for that. We will have to see where we go, but

22 you should all try -- and I know you will all do this

23 anyway -- to keep your cross-examinations as short as

24 possible. We will take a view as the morning progresses

25 as to what we should do about it.

1 MR. WARD: Sir, I should assure you that Mr. Holmes and
2 I have ensured that our topics do not overlap.

3 THE CHAIRMAN: Good. Thank you.

4 Right, Dr. Webb, you may have given evidence before,
5 you may not have done, you may know what I am about to
6 say, but now you are in the middle of your evidence you
7 are not allowed to talk about the case with anyone else,
8 not anybody, as it were, your side, or to those for whom
9 you are giving evidence, I should say, or with anyone
10 else.

11 A. Understood. Thank you very much.

12 THE CHAIRMAN: We will resume tomorrow at 10.00 am.

13 (4.18 pm)

14 (The hearing adjourned until 10.00 am on
15 Thursday, 28 June 2018)

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