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**IN THE COMPETITION**  
**APPEAL TRIBUNAL**

Case No: 1381/7/7/21

Salisbury Square House  
8 Salisbury Square  
London EC4Y 8AP

Monday 29<sup>th</sup> January – Friday 22<sup>nd</sup> March 2024

Before:  
The Honourable Mr Justice Waksman

Eamonn Doran

Derek Ridyard

(Sitting as a Tribunal in England and Wales)

**BETWEEN:**

Justin Le Patourel

**Class Representative**

v

(1) BT Group PLC  
(2) British Telecommunications plc

**Respondent**

**A P P E A R A N C E S**

Ronit Kreisberger KC, Derek Spitz, Michael Armitage, Jack Williams and Matthew Barry (On behalf of Justin Le Patourel)

Daniel Beard KC, Sarah Love, Daisy Mackersie, Natalie Nguyen and Ali Al-Karim  
(On behalf of BT Group PLC and British Telecommunications PLC)

Jennifer MacLeod (On behalf of the Competition & Markets Authority)

Monday, 19 February 2024

(10.30 am)

THE CHAIRMAN: Good morning. Some of you are joining us via the live stream on our website, so I must start with the customary warning: an official recording is being made and an authorised transcript will be produced, but it is strictly prohibited for anyone else to make an unauthorised recording, whether audio or visual, of the proceedings. Breach of that provision is punishable as contempt of court.

#### Housekeeping

We have two housekeeping matters. First of all, can I remind the parties that on Thursday we are starting at 9.30 and we are finishing at 3.30.

Secondly, we have had the request from the Class Representative about the use of a whiteboard.

MS KREISBERGER: Yes, sir.

THE CHAIRMAN: Yes, but there is a question about whether -- where it would be and whether it can be picked up by a microphone. So is it intended to be that over there?

MS KREISBERGER: That is it, but I think we were waiting for permission before it was moved around.

THE CHAIRMAN: Well, first of all, let me see, Mr Beard, are there any objections to this?

MR BEARD: In principle, no, we do not have a great

1 objection. The only difficulty is actually seeing the  
2 thing.

3 THE CHAIRMAN: I know.

4 MR BEARD: So that may be the practical point, because I can  
5 see that there may be a desire to have it behind the  
6 experts so they can draw on, it but then we cannot  
7 actually see it. Maybe it will come up on the screen.

8 Look, is the sensible thing to proceed, see where we  
9 get to, see whether it is actually needed, and so on?

10 THE CHAIRMAN: Yes. Is it expected that we are going to get  
11 into this -- we could get into this this morning?

12 MS KREISBERGER: I am not sure that is clear. I think it  
13 was really just as a back up.

14 THE CHAIRMAN: Right. Is it Mr Duckworth or Mr Parker in  
15 particular that wants to use it? You can just say now,  
16 just so we have an idea.

17 MR PARKER: It could be either of us, I guess. Perhaps more  
18 likely me in terms of illustrating some of the points.  
19 But as Mr Beard has suggested, I think hopefully it will  
20 not be necessary; any examples will be sufficiently  
21 simple that they can be done orally without reference to  
22 it.

23 THE CHAIRMAN: Right. Let us try and do that.

24 Now, where we have got to in terms of the witnesses,  
25 they will all need to be re-sworn, and Mr Matthew has

1 not yet given evidence, so what I suggest is that we  
2 have Mr Duckworth and Mr Parker and Dr Jenkins re-sworn,  
3 then we will have Mr Matthew sworn, and then Mr Beard  
4 can just quickly go through to make him confirm his  
5 report and take any corrections. Right, so if we could  
6 do that, please. Thank you.

7 MR DAVID PARKER (re-affirmed)

8 MR MARTIN DUCKWORTH (re-affirmed)

9 DR HELEN JENKINS (re-affirmed)

10 MR DAVID MATTHEW (affirmed)

11 Examination-in-chief of MR MATTHEW by MR BEARD

12 MR BEARD: Mr Matthew, you have given two reports in these  
13 proceedings and you have also contributed to the  
14 Joint Expert Report. I am going to take you to those  
15 and confirm the references. You may have them in hard  
16 copy but I am going to call them up on the electronic  
17 bundles as well.

18 So your first report I have at {IR-E/19/1}. If you  
19 turn to page {IR-E/19/89}, is that your signature,  
20 Mr Matthew?

21 MR MATTHEW: Yes, it is.

22 MR BEARD: Is that report true to the best of your knowledge  
23 and belief?

24 MR MATTHEW: Subject to one correction, yes, it is.

25 MR BEARD: Could you tell us what the correction is,

1 Mr Matthew?

2 MR MATTHEW: It was -- sorry, I do not have the paragraph  
3 reference.

4 MR BEARD: I think it may be paragraph 80.

5 Is it this report or is it your second?

6 MR MATTHEW: No, sorry, it must be the second report.

7 MR BEARD: Okay, fine. Let us do the second report then.

8 If we could go to {OR-E/20/1} and could we go to  
9 page 44. {OR-E/20/44}. Is that your signature,  
10 Mr Matthew?

11 MR MATTHEW: Yes, it is.

12 MR BEARD: Is this report true to the best of your knowledge  
13 and belief?

14 MR MATTHEW: Yes, it is, subject to the correction.

15 MR BEARD: I think you said paragraph 80, which is page  
16 {OR-E/20/31}.

17 MR MATTHEW: That is correct.

18 MR BEARD: Could you just explain. I know some figures here  
19 are confidential, we are in open proceedings, so if  
20 there is any change to that figure, I do not want it  
21 provided to the court in open proceedings.

22 MR MATTHEW: Thank you for the guidance. So the correction  
23 is that we had taken this from Jenkins 1. This is the  
24 sentence with the highlighted figure, the penultimate  
25 sentence. I understand that that figure has since been

1 corrected, so the point I have used it for here no  
2 longer applies. The difference was that we had  
3 originally understood that this was a reference to the  
4 number of SFV customers who in 2022 had been part of the  
5 BT SFV base in 2014, but I think it is the other way  
6 around.

7 THE CHAIRMAN: Yes, that is the point that was in the  
8 correction, yes, thank you.

9 MR MATTHEW: Correction. So my report stands to be  
10 corrected.

11 THE CHAIRMAN: So that point goes.

12 MR BEARD: Finally, could we go to the  
13 Joint Expert Statement which is {OR-E/49/1}, please.  
14 Mr Matthew, you have contributed to this statement. If  
15 we go to page {OR-E/49/6}, I was going to say is that  
16 your signature, but in fact there is a compression on  
17 the page that means that your signature has been edited  
18 out. Mr Matthew, did you sign this?

19 MR MATTHEW: Yes, I did sign it.

20 MR BEARD: Are your contributions true to the best of your  
21 knowledge and belief?

22 MR MATTHEW: Yes, they are.

23 MR BEARD: We have -- I am grateful to the Class  
24 Representative's team -- we do have a hard copy of the  
25 signature, I am not sure it needs handing up, but at the

1 bottom there should be a signature from Mr Matthew.

2 Does the Tribunal need a copy of the signature?

3 THE CHAIRMAN: I do not think so. We can take it as read.

4 MR BEARD: He has confirmed it for the purposes of the  
5 Tribunal.

6 Do you have any corrections in relation to that  
7 report?

8 MR MATTHEW: No.

9 MR BEARD: Thank you.

10 Those are the reports and contributions by  
11 Mr Matthew to the written materials that have been  
12 submitted in these proceedings. I will hand over now to  
13 the Tribunal, if I may.

14 THE CHAIRMAN: Thank you, and I will hand over to  
15 Mr Ridyard.

16 Questions by THE TRIBUNAL

17 MR RIDYARD: Okay, so let us get started. Just a brief  
18 reminder of what I said at the beginning of the sessions  
19 last week. I am going to be leading the questions but  
20 the answers should go to all the Members of the  
21 Tribunal, of course, and to remind you that your duty is  
22 to help us to do our job, and it is a responsibility  
23 that, as I said last week, we take seriously and we  
24 expect you to take seriously too.

25 So we want to start off -- today's topic of course

1 is the limb 1 assessment of whether prices were  
2 excessive or not. We ought to start off with some quite  
3 general questions around the regulatory context and the  
4 sort of policy context, almost, of a finding of  
5 excessive pricing.

6 The first question, and maybe we could address this  
7 to Mr Matthew in the first instance, is: does the  
8 possible impact of a finding of excessive pricing in  
9 terms of chilling effects or ability of competitors to  
10 compete, and wider considerations, should that inform or  
11 should that affect the way in which we look at the  
12 question of whether a price level is excessive?

13 MR MATTHEW: Thank you. So, yes, this is the subject of  
14 both of my reports and in those reports I lay out  
15 a number of the economic considerations which go to this  
16 very topic. The essential flow of what I say is that  
17 when it comes to evaluating when is a price excessive  
18 under ex post competition law, you should be taking  
19 account of the economics of why that might be a bad  
20 idea.

21 I think there are three major points I make and  
22 I will step through them in turn. The first one is what  
23 I think is a generally accepted point about the value of  
24 allowing prices and the profit incentive to work freely  
25 in markets. So it is one of the most fundamental things



1 about a market economy, that the price levels are what  
2 drive resource allocation, and particularly importantly  
3 the incentive to make money is what drives large parts  
4 of competition. So the reason why firms seek to offer  
5 keen prices all the time but also to deliver the  
6 services customers want is to win market share and to  
7 make money out of doing so. That is why they seek to  
8 offer good service quality, it is why they seek to  
9 invest in platforms in products that people want, it is  
10 why they innovate in a whole range of different ways in  
11 terms of the products they offer and the way they can  
12 get to customers, it is because they are going to make  
13 money out of it.

14 If you play with that, if you start to intervene on  
15 prices, the risk is you are undermining that incentive,  
16 because it is no longer the case that profit incentives  
17 drive decisions. Instead it becomes, well, if I do X,  
18 I now have to think about a -- if it was a regulated  
19 sector what the regulator might do; but with relatively  
20 low thresholds for the application of excessive pricing  
21 rules, you have to think about, well, what are my  
22 competition law risks, and that could have an important  
23 chilling effect in those markets.

24 Now, it is not just the sort of general dynamics  
25 that are in play here, but also these matters have

1 particular importance in the case of dominant firms, and  
2 the reason is simple and very well understood, which is  
3 if a dominant firm sets prices above competitive levels,  
4 the hope, and, in quite a lot of cases, expectation, is  
5 other firms will see that and they will start to plan to  
6 enter those markets and expand in them if they are  
7 already there.

8 The risk you have, if you start to control prices,  
9 drive them down to costs, and perhaps drive them to  
10 levels consistent with what we might call a fully  
11 competitive market, is you crowd that out, there is no  
12 longer anything to shoot at. That is a risk generally,  
13 but also in these markets where the regulatory record  
14 shows Ofcom has permanently been alive to the risks that  
15 overregulation might stymie the emergence of retail  
16 competition in telecoms, both generally but also in the  
17 most recent reviews in relation to SFV, because Ofcom  
18 was plainly concerned in the case of VOCs, but also in  
19 the case of SPCs, where those concerns were strong  
20 enough that it led them to take the view that it was not  
21 right to intervene on those prices. All the examples of  
22 intervening in a way that undermines the competitive  
23 dynamics.

24 So there are good reasons why people -- many people  
25 would suggest from an economic standpoint that it is

1 wise to be cautious about intervening on excessive  
2 prices.

3 The other two do follow from this. The second point  
4 I do make in my report, and it is based on personal  
5 experience, is the flip side. So once you start to  
6 intervene on prices, it becomes very hard not to be  
7 involved in the markets in one way or another. You just  
8 cannot help becoming part of the drivers of what firms  
9 do. Even if you try and do it on a one-off, people will  
10 then say, well, now I am thinking about a new investment  
11 with some new market development, what are the new  
12 rules? They will go to either their competition lawyers  
13 or whoever and say, well, what are the rules that apply  
14 to me? Those are very difficult.

15 It is quite instructive when you look at the  
16 regulatory world, which obviously has to grapple with  
17 this on a day-to-day basis, some of the early regulation  
18 tried to be relatively light touch. That was the origin  
19 of some of the RPI minus ex price cap idea, instead of  
20 price cap and let things work. But actually what has  
21 transpired is just too many things become involved with  
22 it and too many demands get placed on the regulator, and  
23 in the case of ex post, those things would read through  
24 if it was the case that you had a large number of these  
25 instances.

1           What will happen is you will get markets where  
2           a decision is made, the price is too high, bring it  
3           down, and then something will happen and people will  
4           want to know what the rules are now, and that is going  
5           to be difficult to manage.

6           I will say in passing that regulators, of course,  
7           precisely in order to deal with these kind of  
8           difficulties, have a very wide range of different powers  
9           to do so, and have grappled with those with gusto, but  
10          also with a full recognition that what they do is not  
11          perfect either. The solutions are not great. That is  
12          partly why, if you go to most groups of regulators and  
13          ask them the question, well, what is your trade off, do  
14          you prefer competition over a price regulation? They  
15          will say, well, where it is in the long-term interest of  
16          customers, which it will be a lot of the time, we try  
17          and bring in competition where we can and focus  
18          regulation on the points which are a genuine natural  
19          monopoly. Certainly Ofcom's experience has been a story  
20          of 20 years of doing this with great success to  
21          a large degree, but some parts where they believe  
22          perhaps it has not worked out so well. So the solution  
23          also has problems.

24          Then, finally, an issue which is very important with  
25          ex post competition law is of course that the rules

1 apply to the whole economy. So if you take a threshold  
2 for what counts as an excessive price and set that  
3 threshold, let us call it low, I am talking  
4 qualitatively, you are exposing dominant firms,  
5 potentially dominant firms, firms that believe generally  
6 they are not dominant but fear they might be in respect  
7 of one subset of their services, with risks that their  
8 prices might be illegal, and because pretty much  
9 everybody does sell at price that chilling effect could  
10 be very large.

11 Sector regulators also have chilling effects. They  
12 have to care a lot about the impact of their decisions  
13 on the markets they regulate, and they also seek to  
14 build reputations as not being over-regulators. That is  
15 why, for example, Ofcom is rightly proud of its  
16 statements that it will only intervene as bias against  
17 intervention. It makes a lot of sense even within the  
18 market. But at least they are operating in an  
19 environment where their decisions are contained to the  
20 sector they are working in, so they do not have to  
21 grapple with the issues about what does this mean for  
22 all other dominant firms which may be doing compliance,  
23 or firms that think they might be dominant. So chilling  
24 in relation to excessive pricing could be large.

25 Where does it take you to? Well, my view is

1 a cautious view about what counts as excessive pricing,  
2 which is consistent with the case records so far,  
3 consistent with the views of most economics  
4 commentators, and certainly consistent with my view, and  
5 the way to give force to that is when you are dealing in  
6 a case like this where there is no price increase, it is  
7 simply somebody -- a firm is said not to have reduced  
8 its prices in line with reduced costs, it certainly has  
9 not been -- tried to raise them in the way that has been  
10 observed in some of the other cases --

11 MR RIDYARD: Mr Matthew, we do not need -- thanks for the  
12 answer so far, but I do not think we need to go into the  
13 application specifically on what is happening here.

14 Can I just, let me just interrupt you -- well,  
15 I have interrupted you, but let me just ask you  
16 a clarification question on what you said, which is  
17 perfectly clear and it is in your report as well.

18 We are talking here about limb 1. Excessive pricing  
19 is not illegal, is it? So do all these considerations,  
20 are you clear that they apply to the limb 1  
21 consideration of excessive pricing as opposed to the  
22 broader question of whether such pricing is unlawful?

23 MR MATTHEW: So my personal view is -- I am really talking  
24 here about generally when is a price illegal, so if you  
25 go through limb 1 or limb 2 or some combination of the

1 two. But I think my thinking is, and what this case  
2 really makes quite interesting is, how do you give -- if  
3 you believe that there need to be testing thresholds  
4 before prices are illegal, how you give force to that is  
5 a conundrum, and I think the limb 1 tests are at least  
6 the starting point. So while it may be that you could  
7 have a separate consideration under limb 2, I do not  
8 know, but under limb 1 it seems to me that these  
9 considerations point you towards, firstly, if you are  
10 using a cost benchmark your cost foundation should be  
11 robust and not -- we will come on to it -- but not, for  
12 example, based on a particular allocation of common cost  
13 which might be doubted. Instead what you are looking  
14 for is, well, what is the highest of the range of  
15 plausible cost comparators? So --

16 MR RIDYARD: You are saying -- sorry to cut you off again,  
17 but I think we need to move on. You are saying that  
18 those things you think should give a conservative --  
19 take a conservative approach.

20 MR MATTHEW: Yes, for all the limb 1 tests. I think also it  
21 is -- there was a very interesting discussion last week  
22 about what is meant by workable competition, which is  
23 actually a part of the limb 1 valuation, which I do have  
24 views on. But I think my point there would be when it  
25 comes to evaluating what counts as workable competition,

1 when you are simply trying to look at a price level,  
2 nothing else going on, no market manipulation or any of  
3 those things, which is the case here, you should take an  
4 expansive view. My report actually has a very rough  
5 chart on this, it is on page 62, which has -- we do not  
6 need to go to it, but it has a graph where I have  
7 essentially laid out a very simple oligopoly model, and  
8 it shows prices predicted by the model variable for a  
9 number of firms, pretty standard stuff, and it plots it  
10 against what happens to the average cost of a number of  
11 firms as well, which raises some interesting issues of  
12 its own.

13 But that, in a nutshell, immediately shows you what  
14 counts as workable competition, what are your  
15 comparators here --

16 MR RIDYARD: Sorry, we have got questions on workable  
17 competition and the comparators later on, but I think  
18 that is a useful introduction, if I may stop you there.

19 Can I hand over. Maybe Mr Parker would want to  
20 comment on that?

21 MR PARKER: Yes. So I think I would start in a different  
22 place, which is that there is a prohibition on excessive  
23 pricing under Chapter II of Competition Act '98, and  
24 that is a market -- it is an economy-wide piece of  
25 legislation. Presumably it was intended to apply in



1           some circumstances. The *United Brands* test looks at  
2           limb 1 on is the price excessive, and then limb 2,  
3           unfair in itself or unfair relative to competing  
4           products.

5           So none of that, as I understand it, takes into  
6           account sort of chilling effects on the ability of  
7           competitors to continue to compete. So I am not really  
8           sure where the points Mr Matthew raises arise in  
9           a competition context. I can see that in a regulatory  
10          context, where you have a regulator with a wider set of  
11          responsibilities and judgments that it needs to take  
12          into account, then we are in a different world, perhaps,  
13          but I am not sure how much that reads across to this  
14          particular instance.

15          In relation to chilling effects, I think the  
16          question for me is the extent to which any case can be  
17          distinguished on its facts from any other case, and we  
18          do not have a long history of these sorts of cases, but  
19          I have not heard, I do not think Mr Matthew has  
20          presented evidence, that the judgments in *Liothyronine*  
21          and *Hydrocortisone* have had a chilling effect on pricing  
22          by dominant or potentially dominant firms throughout the  
23          economy, but that would seem to be part of the  
24          contention that he is saying, is, well, if you use --  
25          this power exists, but if you use it, it could have this

1 chilling effect.

2 My feeling is those cases are quite specific on  
3 their circumstances, and if I was not a pharmaceutical  
4 firm engaging in the sorts of behaviour that was coming  
5 up in those cases, I am not sure why I would feel they  
6 had any read-across to my day-to-day activities.

7 Similarly, here, we have some specific circumstances  
8 that apply to this case which I do not think apply  
9 elsewhere. For example, this is a legacy product which  
10 is sort of dying out. There are an increasingly small  
11 number of customers taking this product, and BT, as  
12 a former statutory monopoly, did not have to compete  
13 up-front for those customers, the vast majority of them  
14 have been there throughout the lifetime of the claim and  
15 before.

16 So I do not think that necessarily a finding in this  
17 case would have a chilling effect on anyone else who was  
18 not in that position -- and that is a very narrow group  
19 of potential firms -- on the ability of competitors to  
20 continue to compete. I think the question is could you  
21 conceive of, and I think we will come back to this  
22 probably, but could you conceive of the SFV services  
23 market becoming competitive in the future? It seems to  
24 me that that is not obvious at all, given the size of  
25 the market, the fact that people even before the claim

1 period were stopping to serve to new customers, the  
2 focus of -- that customer demand in the sector as  
3 a whole has moved to bundle products, and so on.

4 So I am not sure that an impact on competitors to  
5 continue to compete necessarily applies very strongly in  
6 the case.

7 MR RIDYARD: So you think that if one reaches the view that  
8 you have given up -- you give up on competition, and  
9 Mr Matthew mentioned the notion of natural monopoly, so  
10 maybe there are structural factors that just mean  
11 competition is impossible, or it is just not going to  
12 happen in this sector, you might as well ... Is that  
13 a factor which importantly influences your view on where  
14 limb 1, where the limb 1 threshold should be set?

15 MR PARKER: Yes. So I think if you had a strong view that  
16 competition was about to happen, this was a new market,  
17 that rivals will be seeing those prices and seeking to  
18 come in and enter and compete for the available profits,  
19 I think that is one world. That might go to: you have  
20 not really estimated your cost-plus benchmark correctly  
21 at that point, because you are not taking into account  
22 all the kind of costs, both of sort of up-front  
23 investments to get into that market by the incumbent  
24 firm, and any kind of survivor bias issue that might be  
25 relevant to that firm as well. So lots of people tried

1 to get in, only one succeeded. You need to not just  
2 think about the costs of the incumbent firm that it  
3 actually incurred, but the costs that other people --  
4 the probability that it was successful and the cost of  
5 the failures.

6 So I do not sort of disagree that those facts are  
7 potentially relevant in other cases, but for me it would  
8 go into the construction of the cost-plus benchmark.

9 I do not think any of those factors are relevant here.

10 MR RIDYARD: We had a similar question as regards the  
11 existence of a sectoral regulator. Mr Matthew, in a way  
12 you have partly covered that already. Was there  
13 anything additional you wanted to say about the  
14 existence of a sectoral regulator which further informs  
15 this choice about the limb 1 test?

16 MR MATTHEW: I think it is worth saying that when there is  
17 a sector regulator, they are there with ex ante powers  
18 to set prices a lot of the time. That is what they are  
19 designed to do. Moreover, they take a custodial view of  
20 their sectors, with a variety of additional  
21 considerations to those which you would expect under  
22 competition law. So Ofcom in particular in this case  
23 has not only been making its decisions about when to  
24 intervene on prices with a view to how best to shepherd  
25 in effective competition, which has been a key thing,

1 but it is also when it has decided later on we do want  
2 to protect the Voice only customers who are -- they are  
3 viewed as becoming legacy customers that the market is  
4 not delivering very well for, they are there to do that,  
5 that is what they do, and they do it very much with, in  
6 mind, you know, they place a lot of weight on the fact  
7 that these are elderly customers who -- where it is  
8 worthwhile doing exactly those sorts of things.

9 So I can see the regulatory case for doing something  
10 is very clear. The difficulty is when you take it out  
11 of that kind of sector and then start saying, well, how  
12 would that work in the rest of the economy? Whenever  
13 there is a product where somebody has held on to it, do  
14 we suddenly say, well, now you are into price regulation  
15 territory it is opening it up.

16 I would also just comment on *Liothyronine* and  
17 those -- I think it is very obvious from reading those  
18 decisions why they are separate from a general "high  
19 prices should be illegal" finding. I mean, they (a)  
20 involved absolutely astronomical price increases, and  
21 (b) were not based on market conditions of any  
22 meaningful description but on manipulating the  
23 regulatory or procurement arrangements for these various  
24 pharmaceuticals. So I think, looking at those cases,  
25 you would not draw from them: that opens the door to

1 prices above competitive benchmarks having a high  
2 likelihood of being illegal when it is just done in the  
3 normal course of business.

4 MR RIDYARD: Okay, Dr Jenkins and Mr Duckworth, is there  
5 anything you feel you want to add here? We are going to  
6 get on to the detail obviously of the limb 1 tests, so  
7 that might be a more appropriate time for you to  
8 comment, but I will just give you a chance.

9 MR DUCKWORTH: Nothing from me.

10 DR JENKINS: No, I can pick it up in one of the other  
11 questions.

12 MR RIDYARD: Thanks. So question 2 on the list was about  
13 uncertainty. Let us suppose, hypothetically, that we  
14 felt that because of the complexities of the SSNIP test  
15 and market definition in this case, because of the  
16 nonstandard nature of substitution that we are analysing  
17 between SFV and bundles, or some other reason, that we  
18 reached a view on market definition, a narrow market  
19 definition, but we were very conscious that it was  
20 a difficult decision to have made, it was not a simple  
21 case.

22 Mr Parker, do you think that would affect your way  
23 in which you should then assess the limb 1 question, if  
24 you went into it feeling that the market you were  
25 analysing, you concluded it was a narrow market, but you

1           were less sure of that conclusion than you might be in  
2           some other case?

3       MR PARKER:   So I think a lot of factors can potentially go  
4           into the significant and persistent element of the  
5           excessiveness test, and that probably is the right place  
6           for them, so the Tribunal can sort of make a judgment  
7           over all those factors together.

8           I am not sure that I would want to change the  
9           definition of the cost-plus benchmark and how you  
10          estimate that. I think that is a separate analysis. So  
11          I think to the extent that you wanted to take any  
12          uncertainties, as you describe, into account, I think it  
13          goes into that in the round judgment that the Tribunal  
14          will have to make as to what is significant.

15       MR RIDYARD:   Okay, thank you.

16                 Mr Matthew or Dr Jenkins?

17       MR MATTHEW:   Yes, I mean, I think it is -- again, going back  
18           to the main theme, I do think it is something that is  
19           relevant, and a number of commentators have pointed out  
20           the sorts of instances where you might want to be  
21           bringing in price controls, or indirectly through  
22           competition law, are where -- I do not want to use the  
23           term "superdominance" as a threshold, but situations  
24           where you very clearly have a firm with very strong  
25           dominance that is not subject to significant

1 competition, actual, potential, with no real prospects  
2 of that happening. For me, that goes into the general  
3 application of when do we worry about excessive prices  
4 becoming illegal. I do not have strong views about  
5 which part of the test it should go in, merely it should  
6 be there, and ...

7 MR RIDYARD: Thank you, yes.

8 Maybe I will ask this next question, and that is: on  
9 the facts of this case, we do have the -- to be specific  
10 about it, we do have both supply and demand side  
11 inter-relationships between the Voice service and the  
12 broadband service in particular, and the fact that the  
13 substitute products for SFV is -- or the main substitute  
14 appears to be bundles, which includes Voice as well,  
15 which obviously is a complication of the case we are  
16 grappling with.

17 Do you want to say anything more specific about why  
18 those factors should influence the way in which we would  
19 look at costs? Obviously we are going to come on to  
20 those to some degree, because it comes into the common  
21 costs question and other points, but is there anything  
22 at this point that you would like to say about that?

23 Maybe I will give that to Mr Matthew or Dr Jenkins  
24 in the first instance.

25 MR MATTHEW: So just as a general comment, we are talking



1 about retail telecoms, and basically what retail  
2 telecoms do is they try and win customers and sell them  
3 as many services as they profitably can off the back of  
4 them. That is essentially what they are trying to do,  
5 and they try and retain customers. There are a whole  
6 variety of market interactions and complexities that go  
7 on in that process, Dr Jenkins has talked a lot about  
8 the migration from SFV to bundles, and those are,  
9 especially in the case of SPCs, those are a direct  
10 substitute.

11 But it is also, I think, and this is what I note in  
12 my report, is that there just are elements of how you go  
13 about setting prices that are influenced by what happens  
14 elsewhere in the market. So the Line Rental price up  
15 until VOCs in 2018 was set for the same for everybody,  
16 and the Line Rental price was part of competition in  
17 bundles. So there you already have a complication,  
18 which is that the price we are concerned about,  
19 Line Rental for SFV customers, is driven by what is  
20 going on in a part of the market that is quite  
21 competitive.

22 Secondly, there are a number of other issues, not  
23 just common costs, but there are essentially other  
24 factors about this market that means you are just going  
25 to get quite a lot of things going on with pricing and

1 strategic positioning that matter for how you just think  
2 about whether one particular subset of prices is high or  
3 not.

4 So this is a market which has a lot of price  
5 dispersion, and I mean that generally, not particularly  
6 SFV versus others, but within bundles you get a lot of  
7 price dispersion. Part of it is linked to differences  
8 in the products, part of it is linked to differences by  
9 the providers. Part of it, quite an important part of  
10 it, is linked between the prices you get when you are  
11 buying a new contract or switching to a new provider  
12 versus the prices you pay if you are in contract or then  
13 out of contract later on.

14 Those things all fold together to mean that what  
15 telecoms competitors are doing is they are trying to win  
16 customers against quite a complex set of interactions,  
17 and even before you get on to common costs, which create  
18 their own well known problems, that just means trying to  
19 pick out the prices and margins of one particular  
20 product in isolation. It becomes difficult and quite  
21 artificial.

22 I do have another example in my report, it is from  
23 supermarkets, but you can imagine a supermarket that  
24 sells a variety of different products and it is pricing  
25 all the relativities of those products based around who

1           it thinks will come in the door and what they might buy  
2           and whether they will be attracted by one or to the  
3           other. It might well be that there is one product that  
4           it makes sense to say, well, we will have relatively  
5           high margins on this product but relatively low on  
6           others, and overall the bundle of services is pitched  
7           such that it makes sense for customers overall. But if  
8           you happen to be one of the subset of customers who just  
9           buys the products that has the higher margins, you are  
10          not quite as well served, and that is -- nothing -- that  
11          is entirely consistent with what happens probably in  
12          quite a lot of ways in the competitive markets.

13                 It does not mean that you cannot be setting  
14          excessive prices on a subset, it just means you have to  
15          approach it very carefully and with a full view as to  
16          the range of factors going on here.

17       MR RIDYARD: This is your bread and butter example, from  
18          what I remember?

19       MR MATTHEW: My bread and butter -- I am not sure that is  
20          the best example, but, yes, bread and butter.

21                 I think broader, because just taking that example,  
22          I was thinking about that in the context of retail  
23          telecoms where obviously a lot has been going on,  
24          certainly outside of SFV. In bundles there has been  
25          a strategic battle going on about sports, based on

1           trying to drive new sports rights to drive broadband  
2           sales and a whole variety of other things linked to  
3           upgrading of speeds and all the rest of it.

4           So I was thinking in the supermarkets example it is  
5           not just that you are kind of saying, well, I am just  
6           going to look at bread in isolation, I am also going to  
7           ignore the fact that my supermarket has now built  
8           a funfair outside, and has moved into home furnishings  
9           as well as other stuff in the next aisles over. Again,  
10          I am not suggesting that means bread prices could not be  
11          excessive by the supermarket, I am just saying when it  
12          comes to trying to factor that out from a complex mesh  
13          of influences, you have to do that very carefully, and  
14          in an excessive pricing context, in my view, cautiously.

15       MR RIDYARD: Mr Parker, do you have a point on that?

16       MR PARKER: I think there are definitely supply side issues  
17          to do with common costs and the appropriate allocation  
18          of common costs, and obviously there is going to be  
19          a discussion today about the size and allocation of  
20          those.

21       MR RIDYARD: Yes.

22       MR PARKER: On these sort of demand side linkages, I think  
23          what Mr Matthew has described is what I have talked  
24          about as the bundle pricing fallacy. I think the  
25          discussion we had last week --

1 MR RIDYARD: That discussion indeed last week, yes.

2 MR PARKER: -- suggests that, from my view, it is not true  
3 in theory and it was not true in practice, because of  
4 the way that people competed on the incremental  
5 broadband price.

6 So I do not really see the demand side, the demand  
7 side issues as being at all relevant, but I do think the  
8 common costs issue is clearly important.

9 Yes, I think that is all I would say on that.

10 MR RIDYARD: Thank you.

11 Okay, let us get -- many of those themes we will be  
12 coming back to time and again, I think, over the next  
13 two or three days.

14 Let us go into the specifics, then. I mean, I think  
15 it will be -- obviously this case is a lot about  
16 understanding the distinction between direct costs,  
17 indirect incremental costs and common costs, and how  
18 important those three categories are and how they fit  
19 together and how we analyse them in relation to the  
20 competition case.

21 Dr Jenkins, I think probably it would be useful if  
22 you could kick off on this, really. Can you give us an  
23 overview of what are the main categories of those three  
24 types of cost in BT's provision of SFV services?

25 DR JENKINS: Yes, I think over the weekend some tables were

1           supplied. I do not know if the Tribunal have those in  
2           front of them?

3           MR RIDYARD: Yes, I have those.

4           DR JENKINS: Just to know whether I can refer to that as  
5           well.

6                     So in terms of the direct costs of supplying SFV  
7           services, I think that is predominantly agreed between  
8           the two parties. We touched on it last week --

9           MR RIDYARD: Sorry, can I just stop you.

10                    Does Mr Parker have them?

11           MR PARKER: I am not sure we have hard copies in front of  
12           us, which would be obviously useful to have prior to  
13           this discussion, because there is some material there  
14           that is ...

15           MR BEARD: If it is helpful, it is {OR-H/204/1}. I can  
16           certainly have them supplied if you would like?

17           THE CHAIRMAN: If there are any spare hard copies, I think  
18           that would be useful for ...

19           MR BEARD: There are lots.

20           THE CHAIRMAN: Right, let us have those distributed then.

21           MR BEARD: Does the Tribunal want hard copies?

22           MR RIDYARD: We have them.

23           MR BEARD: So did you want a hard copy as well, sir?

24           THE CHAIRMAN: I have one here. That is fine, thank you.

25                    (Handed)

1 MR RIDYARD: We have it on the screen as well.

2 Okay, continue.

3 DR JENKINS: So for the direct costs of supplying SFV  
4 services, we touched on those last week. I think that  
5 is predominantly agreed. That is mostly comprising the  
6 wholesale costs of providing -- renting the network  
7 elements of that, plus a few other elements.

8 THE CHAIRMAN: Could I just interject there on a practical  
9 note. We have all noted that it is said that the direct  
10 costs are predominantly agreed. Is it possible at all  
11 to make them fully agreed, just so that we have a common  
12 starting point? Unless one side is going to say they  
13 will defer to the other side's articulation of direct  
14 costs. It just makes it much easier for us and an area  
15 of not real disagreement to avoid.

16 MR DUCKWORTH: I think we can go away and try and find ...

17 THE CHAIRMAN: That would be great, thank you.

18 DR JENKINS: Yes. It is not material, any difference in the  
19 numbers.

20 THE CHAIRMAN: Yes.

21 DR JENKINS: Then we come to the question of indirect and  
22 common costs. So I think the indirect costs of  
23 BT Consumer as a whole are agreed, and they are in the  
24 F28 disclosure. I think they are -- it is -- they are  
25 set out in Table 5, which gives you -- the top line is

1 the SG&A costs, and the bottom line are the depreciation  
2 and amortisation costs, so that tells you the total  
3 indirect costs for BT Consumer which I also believe are  
4 agreed.

5 MR PARKER: It might just be worth clarifying the title,  
6 either that is -- the question there that is above the  
7 title, and replacing the word "common" with "indirect".  
8 I think that is right. Because the problem is we do not  
9 have the actual common costs, we have the actual  
10 indirect costs.

11 DR JENKINS: Yes. The table is not necessarily answering  
12 the question, it is relevant to answer the question.  
13 Hence, that is why that table is there. But Mr Parker  
14 is absolutely correct, we do not have a split of the  
15 indirect costs between indirect incremental and common  
16 costs, but the thing that we start from is what we do  
17 know are the indirect costs of BT Consumer overall.  
18 {OR-H/204/6}.

19 THE CHAIRMAN: Sorry, this is Table 5.3.

20 DR JENKINS: Yes Table 5.3 -- I think that is actually  
21 potentially a typo. I think it should just be Table 5.

22 MR RIDYARD: So the indirect costs in 2015/16 are the 782,  
23 plus the 201.

24 DR JENKINS: Yes.

25 MR PARKER: Yes, it is in the question 4(3) above, where the



1 word "common" should be replaced with the word  
2 "indirect". Does that make sense?

3 THE CHAIRMAN: I see, just a moment.

4 MR RIDYARD: Yes. (Pause)

5 DR JENKINS: So in a sense, if the shape of the challenge  
6 for the Tribunal, and for us to assist the Tribunal, is  
7 the direct costs of the SFV services, and in fact the  
8 direct costs of Voice services generally and the direct  
9 costs of broadband services generally are agreed, and  
10 the overall indirect costs of BT Consumer as a whole are  
11 agreed. But what BT did not do certainly for the  
12 period, the claim period is do any formal allocation of  
13 their indirect costs to the products that were served --  
14 that were supplied by BT Consumer and which these  
15 indirect costs supported.

16 So then the question is, how do we then move to  
17 a question of: can we identify indirect incremental  
18 costs and common costs? Now, for my part this is an  
19 important aspect of the approach to the cost benchmark  
20 that I think is relevant for the Tribunal to consider  
21 because it is with common costs that there is a need to  
22 choose a cost allocation mechanism, cost benchmark, that  
23 reflects the fact that in conditions of workable  
24 competition, firms can take a number of different  
25 approaches to how they recover their common costs. So

1 ideally you want to be able to identify the common cost  
2 elements of those.

3 The difference between indirect incremental and  
4 common are, if we start from the question of: what is an  
5 indirect cost, it is a cost that is not able to be  
6 allocated to any one product, almost by definition,  
7 because if it, were it would be in the direct costs, and  
8 then we would all be agreed that that is where it is.

9 So perhaps if we now turn to Table 1, the first page  
10 of this schedule, with that background, {OR-H/204/2},  
11 this then sets out what we have from the disclosure of  
12 the different categories of the SG&A component of  
13 indirect costs. These are taken from -- they are taken  
14 from the F28 disclosure, but also you will find them in  
15 Annex 7 of my first report, which is where I go through  
16 these cost categories to think about how one might  
17 consider indirect versus common costs.

18 This is not an exercise that Mr Duckworth and  
19 Mr Parker feel is necessary because of the approach they  
20 take.

21 Now, in order to identify common costs for a firm,  
22 the thought experiment that you would do is you say to  
23 yourself: imagine that the firm no longer offers each of  
24 the services that it currently offers and determine  
25 which of the indirect costs they would no longer need if

1           they ceased to produce SFV services or bundles or  
2           standalone broadband, and you do -- the thought  
3           experiment you would do is to do each of those  
4           sequentially, take away those indirect incremental  
5           costs, and then what you have left are the common costs,  
6           right, so those are the costs that would be incurred  
7           even if you were -- if you were not supplying all of the  
8           other incremental services.

9           MR RIDYARD:  Would it be fair to say the common costs are  
10          what creates the synergies between the products, and if  
11          there were no common costs between -- let us say I am  
12          making five products, there are no common costs, then  
13          I am indifferent about whether I make five products or  
14          one product.  It would be just as efficient if I had  
15          five separate firms making them or one firm making all  
16          five.

17          DR JENKINS:  Certainly, yes, they drive the economies of  
18          scope synergies through the fact that -- and we can take  
19          a couple of examples in a moment from the list of where  
20          they drive those benefits.

21                 I think it is possible you also have demand side  
22          synergies, which mean that people like to purchase two  
23          products together even if their costs were separate.  We  
24          have both of those factors going on here.  But it is  
25          certainly true that what we are focusing -- a key driver

1           here is the fact that there are strong benefits in the  
2           retailing function, so the fact that once you have the  
3           ability to retail these products, you can supply  
4           multiple products to the same customer.

5       MR RIDYARD:  Whether they are strong or not remains to be  
6           seen.

7       DR JENKINS:  Yes --

8       MR RIDYARD:  That depends on the view taken on common costs.

9       DR JENKINS:  Yes, that is the question we are looking at  
10          here.

11                So then, for example, if we take -- and so we see  
12                that BT changed through the period of the claim the way  
13                in which it reported its indirect costs, so the first  
14                table, Table 1, is focused on the period from -- is the  
15                way in which they provided the breakdown from 2012/13 to  
16                2019/20 financial years.  The average cost in the table  
17                is for the first part of the claim period, so from  
18                2015/16 through to 2019/20.

19                You see that the way in which BT captured the  
20                information about their SG&A cost categories over this  
21                period is not necessarily how you would think about all  
22                aspects of the services that were being provided by the  
23                central retailing function.  So, for example, in the  
24                first line which is total pay including commissions, so  
25                that is covering the pay of many of the staff in the

1 overall central support functions for BT Consumer. So  
2 a lot of the staffing will in fact be -- I judge will be  
3 incremental. So even though those staff may have -- are  
4 central and are judged to be indirect, like they cannot  
5 be allocated directly to one particular product, it is  
6 very likely that as a product scales up or down, as the  
7 business scales up and down, the central pay costs will  
8 scale up and down.

9 However, there is likely to be a number of staff  
10 that will be required to fulfil the functions of  
11 BT Consumer, and so for that reason my "Classification"  
12 column, which I have done here as "Low", is then saying  
13 I am going to allocate the bulk of those costs into the  
14 indirect incremental category and only a subset of those  
15 will be judged to be common costs.

16 THE CHAIRMAN: Can I just be clear about it. To take the  
17 first line, as you have done, the first row, 308, that  
18 is the total staff and other costs for BT Consumer  
19 provision, because that is what all these reported costs  
20 are for.

21 DR JENKINS: Yes.

22 THE CHAIRMAN: Right, and when it says "Size of common  
23 costs", that is size of common costs, because that is  
24 what is left after you have attributed everything else  
25 as indirect costs.

1 DR JENKINS: As indirect incremental costs.

2 THE CHAIRMAN: So the classification of "Low" is the  
3 proportion of the total costs that common costs bears to  
4 it.

5 DR JENKINS: That is correct.

6 THE CHAIRMAN: It is low because it is 62 as against 308.

7 DR JENKINS: Yes. Then just to add a layer of complication,  
8 there are two potential lows. So in that classification  
9 of "Low", I have considered a baseline sort of middle  
10 scenario of what proportion should constitute common  
11 costs in my "Low" category, and then I also have a "Low"  
12 scenario within that, in order to be -- to give a range  
13 of conservative options for the Tribunal to consider in  
14 the -- given the fact there is not a common cost  
15 measurement that we have.

16 MR RIDYARD: When we say common costs, I mean, common  
17 between what? Because, I mean, you could have a cost  
18 that is common between -- I have five outputs, I could  
19 have costs that are common between A, B and C, and  
20 I could have costs that are common across all five,  
21 could I not? We are particularly interested in one  
22 particular set of common costs here, are we?

23 DR JENKINS: Yes, so here I am seeking to identify the costs  
24 that would be common across all the products that are  
25 supplied --

1 MR RIDYARD: Across all the products.

2 DR JENKINS: -- by BT Consumer.

3 MR RIDYARD: Actually, why do we not stop there and I will  
4 give Mr Duckworth a chance to comment on what we have  
5 heard so far.

6 MR DUCKWORTH: Yes. I think the first point to make is we  
7 are broadly agreed on the direct costs, but the  
8 definition of direct costs is not those costs that can  
9 be directly attributed to a single service, it is those  
10 costs which vary on a one-to-one basis in a short-term  
11 with provision of service. So the obvious example is  
12 also Line Rental, you provide an extra line, you need to  
13 pay for one, also a Line Rental for that line, so it is  
14 a direct variation. Indirect costs are the rest of the  
15 costs, effectively, but that does not mean that it  
16 cannot be attributed to a single service.

17 There are some cases -- so, for example, there are a  
18 significant number of people within BT Consumer who work  
19 solely on providing television services, and BT Consumer  
20 provided a sort of headcount and the reliance, which are  
21 sort of television-specific customers. You can  
22 attribute all of those television-specific staff, and  
23 you can attribute all of the costs of those staff to  
24 television services and obviously none to SFV services.

25 So indirect costs, you cannot attribute them

1 directly to individual services. There should be some  
2 costs within indirect costs which you can attribute to  
3 individual services.

4 MR RIDYARD: Presumably that is what Dr Jenkins has done in  
5 the calculation we looked at here. Of the SG&A pay  
6 costs, 80%, has she not -- 80% of them, she has  
7 allocated them to individual products, presumably,  
8 because they are not in common costs?

9 MR DUCKWORTH: It is unclear that she has looked at the  
10 actual headcount data to do that --

11 MR RIDYARD: It is unclear how she has done it, but in  
12 principle there does not seem to be anything between  
13 you. I take your point about being precise about the  
14 definitions, but --

15 MR DUCKWORTH: There is a kind of difference between -- so  
16 my understanding of Dr Jenkins' approach, which she can  
17 correct me if I am wrong, is that she has tried to  
18 understand which costs are fixed and said: well, if I do  
19 not provide SFV services which costs can I avoid? But  
20 there are some costs which are fixed i.e, they are not  
21 variable. So an example is TV production. Those are  
22 fixed costs where you need to incur the cost to produce  
23 a television programme. It does not depend on the  
24 number of people who are actually sort of subscribers of  
25 the television service. So there are some costs which



1 are fixed but are specific to an individual service.

2 I think looking at this table is looking at the way  
3 that BT Consumer has reported costs at a very high level  
4 base. I think it is helpful also to look at when we are  
5 thinking about costs attributed to SFV services the sort  
6 of activities required to deliver an SFV service.

7 I think it is helpful to get up {IR-E/6/69}.

8 So this is taken from BT's Regulatory Financial  
9 Statements and it kind of lists -- so on the previous  
10 page it has the direct costs and this kind of lists. So  
11 at the bottom of the page you have charges of wholesale  
12 markets and payments which is broadly the wholesale  
13 Line Rental.

14 On to the next page, what do you need to deliver  
15 Voice services? You need markets and sales to acquire  
16 these customers. You need finance and billing, so  
17 finance both for internal budgeting, for example, but  
18 also the billing costs. You need some computing, both  
19 the sort of customer care for billing, customer service  
20 is a large element and then sort of general management  
21 and then bad debts.

22 So it is helpful to think about what you actually  
23 need to provide to deliver these services.

24 Then trying to map that on to the costs that  
25 BT Consumer looks at a kind of overall basis. It is

1 quite difficult to make that matching. Marketing and  
2 sales is kind of one of the areas where there is quite  
3 a lot of clarity, but we have large parts of BT's costs  
4 which Dr Jenkins considers a large proportion of it to  
5 be fixed and common, such as fixed re-charge and net  
6 internals, and it is very unclear what those large  
7 common costs are related to in the provision of SFV  
8 services.

9 Why is there a common cost of re-charging net  
10 internals of sort of £150 million per year to deliver  
11 SFV services? What are those common costs? Yes, there  
12 will be a kind of minimum level of costs as you kind of  
13 shrink the business and take various customer groups out  
14 but why would you be left with £150 million of costs if  
15 you get down to a sort of very low number of customers?  
16 Why when you are looking at the standalone costs to the  
17 SFV services do you need to incur this 150-odd million  
18 of costs? It is really not clear to me what those costs  
19 are.

20 MR RIDYARD: Right. Dr Jenkins, do you want to come back on  
21 that?

22 DR JENKINS: Yes, so here the question we are asking  
23 is: what are the common costs or what is the best  
24 estimate we can get of the common costs of BT Consumer?  
25 Certainly at the beginning of the period we still are in

1 a point when there are quite a high number of SFV  
2 customers at the beginning of the period. They do  
3 decline over time and that question of what do we do  
4 over time and how do we then use this information to  
5 define what our costs benchmark is, absolutely, we will  
6 no doubt discuss that over the course of the next couple  
7 of days.

8 But the principle of how do we think about what is  
9 the way to think about price benchmarks -- cost  
10 benchmarks for pricing in workably competitive markets  
11 in the face of common costs, then I think there can be  
12 a wide range of pricing decisions that firms take about  
13 how they are going to recover those common costs.

14 Therefore, that question of considering an approach  
15 to cost allocation and deriving cost benchmarks that  
16 recognises the fact that you need to be able to capture  
17 the flexibility in how you can recover those costs,  
18 while also ensuring there is no overrecovery of them  
19 overall, and so hence, that is why the approach I have  
20 taken is what is known as the standalone cost  
21 combinatorial or SAC combi for short, it is a very  
22 different approach to the one Mr Duckworth is discussing  
23 which is that you do your best to decide how much you  
24 should allocate of these costs.

25 Part of the reason is indeed that BT did not

1 allocate these costs out to those different products and  
2 what it did have was a central function that supported  
3 the provision of these different services and it did set  
4 its prices with an eye to how the market was evolving,  
5 the fact that demand for its services was changing, the  
6 use people were making of that connection was changing.  
7 The beginning of the period or prior to the beginning of  
8 the claim period it is predominantly being used to  
9 deliver Voice services. Over that period that  
10 connection is being increasingly used to deliver  
11 internet, broadband and then other content.

12 MR RIDYARD: Just to be clear, when you say BT did not  
13 allocate these costs out to those different products are  
14 you referring to the common costs or all the indirect  
15 costs?

16 DR JENKINS: It did not allocate any of the indirect costs.  
17 It certainly did not allocate out its common costs.

18 MR RIDYARD: It did not identify the common costs did it?

19 DR JENKINS: It did not identify common costs in there.

20 MR RIDYARD: So you are saying that the common costs are  
21 important, particularly important, to your analysis  
22 because, I know the two sides do not agree on this, but  
23 in your view a firm should have considerable flexibility  
24 about how they recover the common costs. Whereas for  
25 the indirect incremental costs then sooner or later they

1           have to apply and they do apply to individual products  
2           and therefore the cost base should sort of quite  
3           mechanistically cover those incremental indirect costs  
4           but not the common costs. Is that a fair summary?

5       DR JENKINS: That is a fair summary because here we are  
6           talking about what would you expect to observe under  
7           workable competition, and for that, as you rightly  
8           articulate, you would expect to see that the incremental  
9           costs of the services, of any services, would form part  
10          of the pricing and so that is why it is useful to get an  
11          estimate of the indirect incremental costs and then  
12          there is flexibility to recover the common costs. There  
13          is no causal way to do that. That is kind of agreed.  
14          A business that faces those common costs will then look  
15          to see how best to recover them given the demand  
16          conditions they face in a workably competitive  
17          environment.

18       MR RIDYARD: So it is the common costs that give you the  
19          wiggle room when it comes to looking at -- justifying  
20          the prices of any individual product, as it were,  
21          although that is contested I know by the other side. So  
22          BT did not estimate the common costs, and that is  
23          something you have done and you have done it in two ways  
24          as you show in these tables.

25       DR JENKINS: That is right.

1 MR RIDYARD: But how can we know that what you have done is  
2 right or wrong? Do we have to go through every single  
3 judgment and make our own judgment on them in order to  
4 know whether these are reasonable or not?

5 DR JENKINS: We could do that, obviously. The other thing  
6 is that I have done a cross-check against that, which is  
7 in my second report which we can come to, which is -- it  
8 relates to this question of the re-charges and what  
9 those re-charges represent, and the fact that when Ofcom  
10 has been -- has looked at these questions, it had  
11 identified these re-charge -- this re-charge category as  
12 good estimate of the common costs as the cost transfers  
13 that would be invariant, even to the existence of  
14 BT Consumer. So they meet that test.

15 That cross-check of that re-charge category is quite  
16 similar to my assessment of common costs on my "Low"  
17 scenario. So, you know, there is perhaps some comfort  
18 there that the "Low" scenario gives you something that  
19 cross-checks well with the re-charge category.

20 MR RIDYARD: We should break in a moment. Shall we take it  
21 now? Let us take the break now.

22 (11.41 am)

23 (A short break)

24 (11.53 am)

25 MR RIDYARD: Right, I think what we had there, before that

1 short transcriber break, was a nice overview of the  
2 notion of common costs and incremental costs. What we  
3 would like to do now is actually to put that to one  
4 side, and also to defer what were the next three  
5 questions, which were about workable competition and the  
6 benchmark. Obviously we will come back to those, but we  
7 think it makes more sense to come back to those  
8 questions after we have talked about the different cost  
9 allocation methodologies.

10 So what I would like to do now is go on to what is  
11 section 6 in our list about the notion of LRIC+ as  
12 a limb 1 cost standard in principle.

13 I think maybe to address this to Mr Duckworth and  
14 Mr Parker first of all. I mean, can you just tell us  
15 how the LRIC+ measure is constructed conceptually, and  
16 is it the same as fully allocated costs, and if not, why  
17 not -- or how not, rather.

18 MR DUCKWORTH: I will start.

19 LRIC+ is a sort of conceptual cost standard where  
20 the LRIC part tries to establish all of the elements of  
21 cost which are incremental in the long run. So  
22 obviously the direct costs are purely incremental. But  
23 then going on to the indirect costs, you attempt to work  
24 out which costs are causally related to the provision of  
25 an increment of service, in this case, SFV services.

1 MR RIDYARD: So our increment here is SFV services, which is  
2 not the same as obviously -- so Voice is not the same as  
3 SFV, of course, because Voice exists outside of SFV, and  
4 the increment we are talking about in all these cases is  
5 specifically the SFV increment over whatever else BT  
6 might be doing.

7 MR DUCKWORTH: Yes, it is a focal service in this context.

8 So we try to work out all of the -- as I say, the direct  
9 costs vary directly with the provision of service, but  
10 the indirect costs which will vary them. That can be  
11 quite a complex relationship. So, for example,  
12 a customer -- the more customers you have, the more sort  
13 of calls you get to a customer care centre, and so the  
14 more customer care centre staff you need. But also  
15 there will be kind of other layers of kind of cost  
16 causality: the more customer care staff you have, the  
17 more human resources staff you need to manage those  
18 customer care staff, the more sort of IT support you  
19 need because they will probably have workstations, and  
20 the workstations will fail, and so the more workstations  
21 you have, the more IT staff you will have.

22 So there is a whole long chain of cost causality and  
23 you can construct a sort of LRIC cost model which  
24 attempts to establish all of those causal relationships.  
25 If you do that, and as Dr Jenkins has set out, you can



1 work out effectively the incremental cost of delivering  
2 the service.

3 There are also, as I stated earlier, some  
4 potentially sort of fixed costs which are not  
5 incremental to the number of customers but are fixed  
6 specifically to provide that particular service. Not so  
7 obvious in the case of SFV, but there are kind of fixed  
8 incremental costs which are not shared with provision of  
9 Voice services.

10 But it is understood that LRIC on its own, if you  
11 priced all the services at LRIC, you would not fully  
12 recover all your costs. If you look at the incremental  
13 costs of each service, the remainder is the fixed and  
14 common costs, and you need to recover those in some way,  
15 and so you add in a mark-up on top of incremental costs  
16 to give LRIC+, and setting all prices at LRIC+ will  
17 allow you to fully recover all of your costs of  
18 production.

19 MR RIDYARD: So the plus is a way of recovering common  
20 costs, but you do that -- obviously you do a bit of  
21 common cost across each individual product which shares  
22 the common costs.

23 MR DUCKWORTH: Exactly.

24 MR RIDYARD: Is that the same as fully allocated cost?

25 MR DUCKWORTH: So LRIC is a sort of conceptual cost measure

1 or benchmark. Fully allocated cost is a sort of  
2 methodology for coming up with costs of -- the  
3 methodology for service costing, which effectively takes  
4 the total costs of the business and allocates those  
5 total costs to the output of the firm.

6 You can do that effectively however you want, and it  
7 will still be a fully allocated cost methodology.  
8 However, you can try and make sure that the fully  
9 allocated cost methodology allocates cost by cost  
10 causality as far as possible, and so costs are  
11 effectively allocated on the basis of incrementality,  
12 and in that way you have fully allocated costs which can  
13 be a proxy for LRIC+. But that is not to say that all  
14 fully allocated cost methodologies are a good proxy for  
15 LRIC+.

16 MR RIDYARD: That is clear.

17 Dr Jenkins, any comments or points on that?

18 DR JENKINS: No, I think that seems fair. That last point,  
19 which is LRIC+, is a fully allocated cost methodology.

20 There are other --

21 MR RIDYARD: It is one of many FAC methodologies, yes, okay.

22 So then if we go on to the question of how do we  
23 allocate the fixed and common costs. So from what you  
24 have said, Mr Duckworth, you allocate the fixed  
25 incremental -- or the fixed costs, as it were, if they

1           are incremental, by looking at causality, and then the  
2           common costs, you have to come up with an answer, with  
3           a formula for allocating them to the services. What are  
4           the options there?

5       MR DUCKWORTH: There is a broad convention, which is to use  
6           what is called an equi-proportionate mark-up, where you  
7           take the common costs which need to be recovered and  
8           recover them through a kind of constant mark-up on all  
9           the incremental costs. So that is a kind of  
10          conventional way of going from LRIC to LRIC+.

11           As I say, it is convention, which means that by  
12          definition it is not necessarily based on the facts of  
13          the market, but underlying a sort of EPMU approach is  
14          a sort of conceptual or economic thought that in  
15          a market where the super-elasticities of different  
16          services are broadly similar, then EPMU will sort of  
17          proxy sort of Ramsey-type prices while you recover fixed  
18          and common costs kind of proportionately to  
19          super-elasticities.

20       MR RIDYARD: So that is to do with demand conditions, it is  
21          nothing to do with the supply side, is it?

22       MR DUCKWORTH: So by definition these are common costs, and  
23          there is no supply side causal relationship to attribute  
24          those common costs to one or other service, and so EPMU  
25          is a convention which takes a sort of null hypothesis

1           about the demand side and allocates fixed and common  
2           costs according to that effective null hypothesis that  
3           there is no difference in the super-elasticities between  
4           the different services.

5           MR RIDYARD: Just to go back. So understanding how big  
6           common costs -- the size of common costs in this  
7           problem, the way it feeds into your way of looking at  
8           costs is for everything you can causally relate to  
9           a product or an increment, you do that, and then you are  
10          just left with the common costs, and then you have to  
11          find a rule for allocating the common costs,  
12          understanding that there is, by definition, no  
13          causality-based way of doing that.

14                 Okay, let me hand over to Dr Jenkins there. Any  
15          further comments or observations there?

16          DR JENKINS: Yes, and then I will hand over to Mr Matthew.  
17          But I think we have got to remember that even on what we  
18          are doing here, we have got our direct costs, even our  
19          indirect costs, they are indirect. So Mr Duckworth has  
20          given some examples perhaps where you might be able to  
21          find some causal relationship, but even there it is not  
22          necessarily clear that the causal driver would be  
23          headcount versus, in a sense, the value of the products  
24          that the people are working on, right. Because you  
25          might have a set of staff in your human resources team.

1           Now, yes, you can say, okay, well, you need -- if you  
2           have got more people, you are just going to need more  
3           human resources people. But maybe it is that you put  
4           more effort and you ask people to work more on the  
5           products that are more valuable to you, and therefore  
6           you need more HR people for the more valuable products.

7           MR RIDYARD: But will that not show up when you ask the  
8           people to fill in a timesheet, and they will say, well,  
9           because we have been told that product A is more  
10          valuable, we have spent three-quarters of our time  
11          working on product A rather than B.

12          DR JENKINS: If you have asked people that question, yes,  
13          you would then find that out. But in the absence of the  
14          information and on what people actually spent their time  
15          on, there is not this unique attribution even of  
16          indirect incremental costs. Then we come to common  
17          costs and, yes, there is clearly no unique way of  
18          attributing common costs to the services which are  
19          supported by those common costs.

20          MR RIDYARD: But with the indirect incremental costs, in  
21          principle there is a unique way of attributing them to a  
22          product, it is just that you might not have collected  
23          the information to allow you to do it?

24          DR JENKINS: Yes, that is right. Hence if you are in  
25          a position of not knowing that fact, and you have to

1           decide what is the right cost benchmark in an excessive  
2           pricing case, then you might need to look at a few  
3           options, rather than just be sure that a standard way or  
4           a common way or --

5           MR RIDYARD:   Yes.

6           DR JENKINS:  -- is the right way, when different firms may  
7           reasonably take different approaches to that approach to  
8           indirect, how they allocate or how they think about  
9           their indirect costs.

10          MR RIDYARD:  Mr Matthew, did you have something on that?

11          MR MATTHEW:  Yes.  Actually it was just to come back on the  
12                       point about EPMU, that ...  So I just wanted to make  
13                       a comment about Mr Duckworth's comments, which is to  
14                       have suggested that EPMU is a convention they use  
15                       because it is generally understood that it follows from  
16                       certain demand conditions.  I just wanted to say I am  
17                       not sure that is right.

18                       The defining feature of common costs is that it is  
19                       not costs that drive prices, it is the other way round.  
20                       It is what happens to your prices, your ability to make  
21                       money out of your products, that feeds into the best way  
22                       to set your prices in the most profitable way, and once  
23                       you know that then you could always, of course, come up  
24                       with some cost allocation that reflects it.  But  
25                       unfortunately that does not help you, because what we

1 are trying to do here is come up with a cost allocation  
2 to help us understand the prices, but that is normally  
3 what happens in a lot of businesses.

4 Where common costs do matter is a special but very  
5 important case which is in ex ante regulation, and the  
6 reason they matter there is because common cost  
7 allocations are then used in setting price caps and  
8 tracking things over time, such that how these things  
9 are done does feed into prices and what happens to the  
10 firm's profits.

11 But that is a different situation from  
12 a commercially operating environment where it is  
13 the pricing decisions you look at first, and then the  
14 common cost allocations really should be following on.

15 MR RIDYARD: Okay. Mr Duckworth, or Mr Parker even, indeed,  
16 do you have any counter-observations on that?

17 MR DUCKWORTH: I just go to Dr Jenkins' point, which seems  
18 to be suggesting that costs follow value. I can see to  
19 some degree there may be some sort of reverse causality  
20 there, that if a business sees a group of customers who  
21 are generating high value, and they may spend extra time  
22 and resources on trying to acquire and retain high value  
23 customers, then I think that is one potential  
24 explanation. But in an excessive pricing case, that  
25 sort of reverse causality, where revenues drive costs

1 attribution, is likely to lead to excessive prices  
2 appearing to be less profitable than they are, because  
3 we should be looking at the actual resources used to  
4 deliver that service, not trying to say: "ah, because  
5 this service had very high prices I will assume that  
6 lots of resources were used to deliver that service".

7 MR RIDYARD: So you are saying you would be -- there might  
8 be a general rationale for following Dr Jenkins' logic  
9 of -- maybe the effort does follow the value. But here  
10 you are saying you need to be careful about that,  
11 because of the possibility that it could cover up -- if  
12 there is truly an abusive excess price here, that it  
13 could help to cover that up by following the value  
14 route.

15 MR DUCKWORTH: Exactly, yes. Particularly if you have  
16 a captive group of customers, you are less likely to  
17 spend lots of resources trying to do that.

18 MR RIDYARD: I understand the point in principle, yes, that  
19 is right.

20 But the fact is that we do not have -- I assume we  
21 do not have perfect information about cost causality, so  
22 we have some uncertainty in front of us about how you  
23 allocate these indirect costs to the different  
24 activities. Is there -- obviously the best answer is to  
25 find out the full facts about causality, but let us say



1           we do not have that. So is there a case for looking at  
2           different ways of different sort of conventions or  
3           accounting rules which might help us through this  
4           difficulty, or is that just not part of the process?

5           MR DUCKWORTH: I think that there is some value in looking  
6           at alternatives, and in previous cases the Tribunal has  
7           considered a kind of range of options. But I think it  
8           is important, when doing that, to consider whether on  
9           the facts of the case those different methodologies, in  
10          the absence of, as you say, activity based costing,  
11          whether those methodologies are likely to reflect cost  
12          causalities.

13                 I do not think it is a case of coming up with as  
14          many different methodologies as you can and sort of  
15          equally weighting them or going for the middle one,  
16          I think it is a question of looking at potential  
17          alternative methodologies, thinking about whether  
18          conceptually that is likely to reflect -- each  
19          methodology is likely to reflect cost causality, and for  
20          the Tribunal then to reach a judgment on the appropriate  
21          methodology or methodologies to consider.

22          MR RIDYARD: That is fair enough. Thanks.

23                 That is LRIC. When we get to LRIC+, or the plus bit  
24          of LRIC+, do you think there, there is more case for  
25          trying out the different conventions and -- because here

1           you are a bit stuck for -- obviously there is no  
2           causality principle to fall back on.

3           MR DUCKWORTH: I think it is important to consider the  
4           demand side. So Mr Matthew talked about ex ante  
5           regulation, and in ex ante regulation, particularly  
6           given that the retail market has largely been  
7           deregulated, a lot of Ofcom's ex ante regulation is  
8           looking at the network. Obviously the network, because  
9           it is not disputed there are very large fixed and common  
10          costs within a network such as BT's. You need to incur  
11          a lot of costs before you serve any customers, you have  
12          to dig up all the roads, so very high fixed and common  
13          costs.

14                 But there is obviously quite a lot of heterogeneity  
15          of demand, so the BT network serves, you know, the  
16          Goldman Sachs trading floor and your typical residential  
17          customer, and clearly the elasticities of demand for  
18          those different services are quite different. The  
19          incremental costs may not actually be that different,  
20          but the elasticities of demand could be quite different.

21                 In that case, it is not surprising that Ofcom allows  
22          quite a degree of latitude in how Openreach in this case  
23          recovers fixed and common costs from different services,  
24          and I think that reflects both the very large fixed and  
25          common costs, but also the heterogeneous nature of

1 demand.

2 Here we have a case where my fee is fixed and common  
3 costs are relatively low, and the demand for BT Consumer  
4 is, you know, by definition, all residential customers  
5 with a much more homogenous level of demand. As  
6 Dr Jenkins says, there is a lot of potential  
7 substitution between the different services. So you  
8 would not expect, in workable competition, a hugely  
9 disproportionate recovery of fixed and common costs from  
10 one group of customers compared to others, whereas you  
11 would expect Ofcom to allow Openreach to recover far  
12 more costs from Goldman Sachs for a connection to their  
13 trading floor than a residential customer.

14 MR RIDYARD: Dr Jenkins or Mr Matthew, any observations on  
15 that?

16 MR MATTHEW: Unless you ask me to, I will not comment on the  
17 wholesale side. I can do. There is a long history of  
18 deliberation --

19 MR RIDYARD: I think we have enough troubles on the retail  
20 side!

21 MR MATTHEW: -- common costs in that situation.

22 I will just say in passing one remark, though, which  
23 is that it is quite hard. So the point there is the  
24 ex ante regulator has to make decisions about how he is  
25 going to treat those things because it is price capping.

1           So he has to make a call on how many of the network  
2           costs he is going to put into these lines, which would  
3           be used for Goldman Sachs, as opposed to residential.  
4           Things like that are important decisions that Ofcom has  
5           to make over time.

6           I will also say they found it difficult to do as  
7           well. So there is a little bit of humility in how best  
8           to treat common costs, and there is a little technical  
9           point about something called the tariff basket, which is  
10          a way of setting a price control for a group of  
11          services, such as a variety of different types of  
12          broadband lines. It is like you are not sure -- you  
13          have a bunch of common costs between them and you are  
14          not sure how much should be on the high speed, how much  
15          should be on the low speed, that kind of thing.

16          Also, there are often ancillary services which go  
17          with these things, so there is like service, quality,  
18          bits and pieces, and your fault serving and stuff. The  
19          way you often deal with those is what is called a tariff  
20          basket, which basically sets a cap on the basket of  
21          products, not each product individually. It allows BT  
22          then to amend its balance of prices over time, and that  
23          is held to have good properties as an incentive  
24          mechanism. Actually to deliver at Ramsey prices is one  
25          of the sort of technical objectives.

1           Sorry, that turned out to be a bit of a digression.

2           But just to come back on the heterogeneity. I think  
3 that is a mischaracterisation of retail telecoms.

4 I mean, you get -- simply observing what goes on in  
5 retail telecoms markets tells you there is a lot of  
6 heterogeneity going on in these markets, and you get  
7 that simply by observing -- I do not know what evidence  
8 the Tribunal has seen, but a scan or plot of what prices  
9 for Dual Play, Triple Play look like, they are very  
10 varied. It is a messy graph. That tells you there is  
11 a lot of going on in these markets that that is not sort  
12 of homogenous customers just buying what they want.

13           Just one final point, just to come back. I forget  
14 precisely where it came in. But we are talking a lot  
15 about costs allocation here. I would not forget the  
16 demand side, because I think there are situations, for  
17 example, where demand into linkages can result in quite  
18 large differences in the prices of two products when  
19 they are potentially related.

20           A classic example would be something like mobile  
21 services, handsets and calls. A classic example would  
22 be SFV, how much is a Line Rental, how much is the  
23 calls, where the price you set for one bit will be  
24 conditioned by what price you are going to set for the  
25 other bit, and in those conditions you can actually end

1 up with situations where, if you work out the  
2 incremental cost for one part, it might even be sensible  
3 to price below incremental cost.

4 Going back to my supermarket example. Supermarket  
5 car parking is free. Not everybody uses the car park.  
6 The costs in the car park are recovered in the products  
7 the supermarket actually sells you. But nobody would  
8 say, you know, we can work out the incremental costs of  
9 the car park, they are going to positive, but you would  
10 say it is sensible to bundle that in with the other  
11 products you are selling.

12 It is just a further example of the complications  
13 that are at play here, and I would like to keep  
14 emphasising that point about heterogeneity of price  
15 dispersion.

16 MR RIDYARD: Just going back on the heterogeneity. If you  
17 have a group of customers who have no alternatives, and  
18 most customers have got alternatives, then that is  
19 a source of heterogeneity. So would it be -- and if you  
20 are then allowed to recover your common costs by  
21 identifying the inelastic bits of demand, and charging  
22 higher prices to the inelastic bits of demand, which is  
23 very crudely what Ramsey pricing is about, is it not,  
24 does not that raise problems here? Because if that  
25 group of customers does not have options because they do

1 not benefit from effective competition, would you not  
2 end up by thereby justifying what could be considered to  
3 be monopoly pricing?

4 MR MATTHEW: So I do understand the point, but for me this  
5 does come back to what we are talking about in respect  
6 of workable competition, especially in retail telecoms.

7 So if we go back to -- I am sorry, there was a lot  
8 said about this last week, about the issues that arise  
9 in single firm dominance, and what do you do if -- you  
10 know, to what extent can you just look at, well,  
11 the price is high, the margins are high, so there must  
12 be dominance, there must be a narrow market somewhere.  
13 It is a point that I think Mr Parker was -- it is  
14 probably an unfair characterisation, but that theme was  
15 coming through.

16 The issue is: what is your comparator? So if you  
17 look at retail telecoms more generally, and many other  
18 markets, you will find similar looking amounts of price  
19 dispersion as you do between SFV and bundles, for  
20 example, or, if you take the SPC buyer from the separate  
21 sources compared to a bundle, within the bundles. So  
22 you see a lot of dispersion within the parts of the  
23 markets that are plainly workably competitive.

24 The reason you get that is a combination of  
25 differentiation across suppliers, differentiation in

1 customer demands, differentiation in the amount that  
2 customers search. So some are very engaged and have  
3 changed their contract every two years, get a good deal  
4 every time, and over time they do very well. Others are  
5 not well engaged. I am one of them. So I have been  
6 with the same provider since 1996 and they have never  
7 had to acquire me, and the profits on me would be  
8 astronomical by now, and it was not BT.

9 So my point is that when you look at -- when you try  
10 and back out from just looking at high -- what appear to  
11 be high prices and high margins on one particular  
12 product, actually you could go around different parts of  
13 retail telecom and probably find the same thing without  
14 having to look very hard. It is just there they would  
15 have arisen when there are several providers and they do  
16 all have choices.

17 I think analogies can be made with a lot of other  
18 markets where you will similarly find quite broad  
19 outcomes in what is a competitive environment.

20 MR RIDYARD: Mr Parker or Mr Duckworth, do you want to come  
21 back on that particular point, about what I said about  
22 Ramsey pricing and why demand might be heterogenous.

23 MR PARKER: I think demand could be heterogenous. There is  
24 an issue, as you say, of -- in an excessive pricing  
25 case, one of the reasons why prices are -- we had a



1 question about because customers are comparatively  
2 inert, that causes a bit of an issue, a sort of  
3 circularity issue.

4 I think we might get to this, but competitive  
5 markets have to allocate common costs all the time. So  
6 if you are a supermarket and you have a common cost,  
7 which is the store, the land, and so on, you have to  
8 find a way of allocating that. My view is that  
9 supermarkets are pretty competitive. What I think is  
10 intriguing and interesting is that supermarkets come to  
11 broadly the same allocations of common costs. Each  
12 supermarket comes to broadly the same allocation. So  
13 you have got the costs of the store that I need to  
14 recover.

15 Do you see one firm thinking: I am going to recover  
16 all of these common costs from alcohol, and another firm  
17 thinking: I am going to recover all of them from fruit  
18 and vegetables, and another one saying: I am going to do  
19 it all from ambient? No, you do not. You see --  
20 actually, when you delve into it, you see that they have  
21 kind of different margin targets for different  
22 categories, and then within that they are trying to  
23 reach that overall margin target while looking at all  
24 the individual products that they have got. They have  
25 slightly different numbers of products. The margin

1 target will be a combination of what do we think is  
2 going on in terms of the incremental costs that we may  
3 not be fully capturing, like if you require fridges to  
4 serve your products then they will probably be more  
5 costly than if you are just putting them straight on the  
6 shelf, what you might think about as a different margin  
7 type, different margin target, and so on. But you might  
8 also think, well, across all these products what are my  
9 inverse elasticities, what is my sort of Ramsey pricing  
10 approach, because competition is going to drive me to  
11 only being able to recover across the board.

12 Competition essentially drives you to the most  
13 efficient recovery of common costs across all these  
14 products. What we see is, if you go into a supermarket,  
15 you know roughly what things cost. It is not a massive  
16 surprise. If you went into a supermarket and bananas  
17 were £5 a bunch rather than £1 a bunch, then you would  
18 think: that is rather peculiar. But that is not what  
19 happens. You see, competition drives you. Yes, there  
20 is a bit of "Waitrose is more expensive than Aldi", but  
21 competition essentially drives you across those to  
22 a pretty clear view as to where you should be recovering  
23 those costs.

24 So it seems to me that this idea that there is  
25 a sort of "anything goes" approach to recovery of common

1 costs under workable competition is not really right.  
2 The market does find an answer and it says, for the  
3 reasons that Mr Duckworth was saying, that there is  
4 a demand side element which needs to be taken into  
5 account, and the demand side element moves you away from  
6 the: on the supply side this is a common cost and we  
7 just do not know, we can put it anywhere, to: there  
8 becomes an answer.

9 That would be my -- no doubt we will come to it  
10 a bit later on.

11 MR RIDYARD: Yes. Just one follow up on that, and it is  
12 about flexibility. If you take that approach and you  
13 have quite a clear view about how under workable  
14 competition the common costs will get recovered, and  
15 then you apply that as a template on the margins in  
16 a particular case, does that -- when you then come to  
17 look at excessive pricing, does that come to impose  
18 quite a rigid rule on the firms that you are  
19 investigating as to how they can ...

20 You just said it should not be "anything goes", and  
21 I understand where you are coming from. But I mean, the  
22 flip side of that is do you then start imposing a very  
23 rigid rule on how firms should be recovering their  
24 common costs, and as soon as you find a departure from  
25 that rule then you jump on it and say it must be

1           excessive?

2           MR PARKER: So that I would not agree on. I do not think  
3           that is an implication necessarily of the previous  
4           answer. That is because I think there is the  
5           significant and persistent, but obviously significant,  
6           part of that test for excessiveness. So I think it is  
7           completely sensible to come up with a cost benchmark,  
8           LRIC+, and identify what the margin is, as long as I do  
9           build up the direct costs, the indirect incremental,  
10          a sensible allocation of the common costs. As an aside,  
11          I will just say I do not think the common costs are  
12          anywhere near what Dr Jenkins has estimated, and we will  
13          no doubt come to that later on, but, if so, this kind of  
14          question of allocation becomes a little bit less  
15          interesting, because the variation is obviously not  
16          going to be so dramatic, but having said that, that gets  
17          you a benchmark.

18                 I think it then goes into the question of  
19          significance, along with other factors, of how far above  
20          are you from that benchmark and how long have you been  
21          above that level? That, for me, is where the judgment  
22          of the Tribunal needs to come in, in combination with  
23          the various other factors that we will also no doubt  
24          come to, and I described a couple earlier on, but  
25          I think you should try and estimate the benchmark in

1 a kind of sensible fashion, rather than building lots of  
2 variation into the benchmark.

3 MR RIDYARD: Okay.

4 Dr Jenkins.

5 DR JENKINS: I think that, as Mr Parker has just put it,  
6 that leaves a lot of uncertainty in the minds of any --  
7 well, any Tribunal making that judgment, also in any  
8 business. As you said, if there is a sort of specific  
9 rigid determination that says, well, this is how common  
10 costs ought to be recovered, and then there can be  
11 judgment about what constitutes "significant" above  
12 that, that is quite removed from the actual realities of  
13 how businesses do actually make pricing decisions in  
14 a workably competitive environment.

15 In the situation that we are in, in this case, you  
16 cannot -- one should not extract oneself from those  
17 realities, which include the fact that the pricing of  
18 the SFV services was also the price that was being  
19 charged to customers who were taking Voice in bundles.  
20 There is -- one needs to consider to what extent was  
21 that passed and to exactly which of the customer groups.  
22 But there is this clear linkage in terms of the way  
23 the pricing worked into these other products, and we  
24 also have the arena of competition here is about seeking  
25 to retain and attract customers to the different rivals,

1 not just BT, but the other rivals, by improving the  
2 attractiveness of that connectivity.

3 So over time there are changes to the cost base of  
4 these organisations, in the same way that supermarkets  
5 look at the range they are going to supply and the  
6 conditions and improve the quality of their stores, and  
7 then decide how are they going to recover that from the  
8 products that they take, and that does vary over time,  
9 from week to week. There is a wide range of price  
10 flexibility that is availability to most retailers.

11 So I think one needs to be really careful about  
12 giving the impression that there is one simple answer to  
13 these questions. Hence, we will come to exactly how one  
14 thinks about the standalone cost combinatorial approach,  
15 but the basic premise that says a firm that is pricing  
16 any one of its products between the long-run incremental  
17 cost and the standalone cost is not pricing excessively,  
18 on its face, subject to checking that in a multi-product  
19 environment it is not recovering its common costs  
20 multiple times across the different products that it  
21 offers.

22 So that means that the business is not charging  
23 excessively; it is recovering its costs, but it has the  
24 flexibility to respond to the demand conditions, which  
25 realistically the business is the best placed to make

1 that judgment on, or you do not want to dampen the  
2 competitive dynamics to the extent of saying there is  
3 some clear rule that says this is the way it should be  
4 done for all multi-product firms across the economy,  
5 with some allowance around significance that, in itself,  
6 will probably need to draw on the same ideas that you  
7 would use to build in a benchmark that recognises the  
8 flexibility to recover common costs in a range of ways.

9 MR RIDYARD: Yes. That has partly sort of jumped on to the  
10 next topic, where we were going to talk specifically  
11 about the standalone cost rationale for that approach.

12 We did have a question, we do have a question about  
13 the 2009 exercise, but I think we should park that and  
14 deal with that when we are going to talk about that in  
15 detail, so we will park that one for now.

16 Before we go on to the standalone costs proper, can  
17 I just ask about, just back to this flexibility point,  
18 and thinking about -- let us put the common cost to one  
19 side for a second, but just thinking about the  
20 incremental costs.

21 In principle, Mr Duckworth, you are saying that one  
22 could do an exercise of getting to the bottom of  
23 causality, but BT has not done that in this case. It  
24 has not -- it does not do that on a regular basis,  
25 looking at the causality of all these costs.

1           Do firms, again, on flexibility, I mean, they are  
2           still -- most of these are still sort of fixed costs, so  
3           they are not varying in the short-term, but to what  
4           extent would you expect firms to be -- I know in the  
5           long-run they have to cover these costs, but in the  
6           short-term, to what extent do you think firms should be  
7           looking at all of the causality, even of the fixed  
8           costs, and making sure their prices reflect that  
9           causality all the time, or is the flexibility there in  
10          whether they recover those indirect costs on a product  
11          by product basis?

12         MR DUCKWORTH: I mean, I think it kind of depends on the  
13          nature of the product, but here we are talking about  
14          a subscription service. You are acquiring a customer  
15          for a number of years, and over that time period you  
16          have got the ability to vary costs much more than, say,  
17          a supermarket, which when a customer comes in they  
18          cannot vary their overheads reflecting the number of  
19          customers who come in on any one day.

20                 Here, BT Consumer is serving customers with  
21                 lifetimes of maybe five years and can vary costs to  
22                 a significant degree within that time period, and so it  
23                 makes sense to think about the overall resources that  
24                 that customer will be requiring over that kind of medium  
25                 to long-term.



1 MR RIDYARD: In that case, are you surprised that BT has not  
2 done more of that, I mean allocating these indirect  
3 costs?

4 MR DUCKWORTH: We have seen that they are looking at  
5 constructing such a cost model with a letter from  
6 Simmons, which came in I think the second half of last  
7 year as we were preparing our report, saying that BT is  
8 considering setting up precisely such an activity based  
9 costing system, across BT Group, not just BT Consumer,  
10 and Mr Cackett talked about unit economics which is, as  
11 it has been described, an ad hoc exercise, but it is an  
12 exercise where BT tries to understand better,  
13 effectively, the incremental costs of serving customers.

14 So I think, I mean, it is wrong to say that  
15 businesses do not do this. For a significant period of  
16 the claim period BT Consumer did not do this and priced  
17 without necessarily making reference to its kind of  
18 incremental costs or indirect incremental costs and  
19 focused on gross margin. But businesses over the  
20 long-term do need to think about their indirect costs as  
21 well, because those are costs which they do incur and  
22 which do vary over the medium term as they serve more or  
23 less customers.

24 MR RIDYARD: Yes.

25 Mr Parker?

1 MR PARKER: Just to add that even if you are not measuring  
2 indirect incremental costs yourself, but your rivals are  
3 and they are pricing on that basis, the market prices  
4 are reflecting that full suite of costs, which they  
5 should do, then you will have to respond in the market,  
6 and you will end up, even if you are using, say, a gross  
7 margin measure, but you will have a rule of thumb as to  
8 what gross margin you need to make for different  
9 products, which will end up being driven by the market  
10 prices you can achieve facing the competition that you  
11 do.

12 MR RIDYARD: So your gross margin target might have a sort  
13 of "shadow cost" of the indirect cost in there.

14 MR PARKER: Exactly, and that goes a bit back to the  
15 supermarket example. Even if you are not allocating at  
16 the fridges, you might think, well, fridges cost energy,  
17 there is a capital cost there. We need to make slightly  
18 higher margins on products in fridges, even if we do not  
19 specifically try to do that. That is kind of a business  
20 choice, but it does not mean that fundamentally the  
21 economics are driving you towards taking all the cost  
22 causality into account.

23 MR RIDYARD: All right. Let us move on to the SAC approach  
24 to limb 1. Dr Jenkins, you have already given us a kind  
25 of first answer to the rationale for that. Let me give

1           you a chance to say a little bit more. What is the  
2           rationale for the SAC approach to limb 1?

3       DR JENKINS: The rationale for looking at the standalone  
4           cost measure is in determining an excessive pricing  
5           benchmark where you want to reflect the fact that there  
6           is uncertainty around how costs can be recovered across  
7           the economy, and therefore while you -- it is not that  
8           you might not look at other benchmarks, but an important  
9           benchmark would be one which allows for the fullest  
10          flexibility a firm could take in reasonably recovering  
11          its costs, and that range is generally agreed to be  
12          between long-run incremental cost and standalone cost.

13                Now, on its own, just that broad range has not been  
14           seen to be sufficient for determining cost-plus  
15           benchmark in excessive pricing cases because it can be  
16           very wide, and so the approach that I have suggested  
17           here is the one that then looks at how the pricing of  
18           the other products that are supplied off the common  
19           costs themselves contribute to recovering the common  
20           costs themselves.

21                So you recognise the fact that there is a system of  
22           pricing that is being implemented by the business that  
23           is under scrutiny, and so you look at the product of  
24           interest, but then you look at when -- at combinations  
25           of the product of interest with the other products that

1 are supplied over those same common costs. Then you  
2 assess whether or not those combinations, so that is if  
3 you look at SFV services with bundles and with  
4 standalone broadband, and you ask the question for that  
5 set of services, and if we then look at the costs, the  
6 direct costs of that, the indirect incremental costs,  
7 and then all the common costs for that which is going to  
8 be the same across all of these, and the appropriate  
9 margin, is there evidence that there is excessive  
10 pricing on that combination?

11 If you test sufficient relevant combinations and you  
12 find that in all these other combinations there is no  
13 evidence of the provider BT in this case ever recovering  
14 more than their relevant costs for that combination, you  
15 can then take comfort from the fact they are not  
16 over-recovering across the board and therefore it is  
17 reasonable to allow them the flexibility to choose where  
18 and how to recover those common costs across all those  
19 products.

20 MR RIDYARD: If you do a standalone assessment of a small  
21 product within a big portfolio of products, the  
22 standalone cost is always going to be -- it is always  
23 going to give a lot of freedom, is it not, on that  
24 particular product?

25 DR JENKINS: Yes. If we turn to {E/17/222}.

1 MR RIDYARD: I should say, I do not want to get into the  
2 minutiae here because we will --

3 DR JENKINS: Agreed, but I just think perhaps it is helpful  
4 just to see what that standalone cost stack looks like  
5 for SFV services at the beginning of the claim period.

6 MR RIDYARD: Sure.

7 DR JENKINS: So it is in 2015/16. I think it does show that  
8 the common cost allocation is reasonably high for SFV  
9 services here at £11 92.

10 MR RIDYARD: The £11.92 that is obviously your take on  
11 common costs.

12 DR JENKINS: My take on common costs and spread over the  
13 number of SFV services lines in 2015/16 which is  
14 2.7 million lines/2.8 million lines.

15 Now, I think what is certainly the case is as we go  
16 through the claim period that group becomes much smaller  
17 and then there is a question about the smaller that  
18 group then you can get some very high standalone cost  
19 measures which is why you definitely need to be checking  
20 the combinations and thinking about how to interpret  
21 a cost-plus benchmark in those situations.

22 MR RIDYARD: Okay. Mr Duckworth, just at a general level,  
23 the pros and cons of standalone costs with or without  
24 the combination cross-check.

25 MR DUCKWORTH: Just starting with standalone costs. This

1 kind of comes from a contestability theory where you are  
2 saying if you price above standalone costs, and this was  
3 probably particularly when BT was effectively a kind of  
4 natural monopoly, and you would price above standalone  
5 costs for any one service then it would be profitable  
6 for an entrant to come in and compete just for that  
7 service alone. That is a very narrow view of costs and  
8 if you looked at standalone costs of all the different  
9 services and added it up you would get a sort of a huge  
10 flexibility in pricing.

11 We are in a case where we do not have BT Consumer as  
12 a sort of an existing monopolist being able to price up  
13 to SAC as a kind of ceiling before it gets entry in  
14 a single product. What we have is BT is a multi-service  
15 firm competing with other multi-service firms and the  
16 other multi-service firms can spread their fixed and  
17 common costs across a range of services and so they can  
18 enter and expand at a level far below standalone costs  
19 of SFV services because they can recover their fixed and  
20 common costs from Dual Play services, Triple Play  
21 services etc. etc.. So I do not think SAC is a very  
22 helpful benchmark here because it does not reflect the  
23 actual nature of competition in this market.

24 DR JENKINS: So I would say that the actual pricing of SFV  
25 services is below the standalone cost benchmark and that

1 is, as Mr Duckworth says, that BT is competing with  
2 a range of multi-product rivals who are also facing  
3 similar cost structures, such that in fact, no -- the  
4 analysis I have done and yes, there are lots of things  
5 to discuss about the judgments and all the rest of it,  
6 but on the basis of that analysis I do not find any  
7 situation where BT's SFV services pricing is above the  
8 cost benchmark.

9 So that fact can be seen to show that there is  
10 competition and the pricing flexibility that this gives  
11 is not being fully taken up by the firms because they  
12 are constrained from doing so by the competitive  
13 environment in which they operate.

14 That is another way of looking at it. If BT did  
15 have the power to price as it liked to these customers  
16 why would it not price even higher than that, given the  
17 costs it faces. But we are trying to find a benchmark  
18 for the excessive pricing. What is the maximum amount  
19 you could expect to see and still consider that it would  
20 be consistent with some forms of workable competition,  
21 and even that BT is not pricing at that level.

22 MR RIDYARD: Okay, right. I think take it further from that

23 I think it makes more sense to go to, as we will do  
24 later in the questions we have here, looking at your  
25 combinatorial tests and how they feature into the

1 analysis.

2 DR JENKINS: Yes.

3 MR RIDYARD: Let us move on now to going back to the common  
4 cost allocation, a point which Mr Parker has already  
5 referred to, at least obliquely a few times, the Bliss  
6 paper on how common costs gets recovered under workable  
7 competition.

8 Mr Parker, I mean, as I understand it, you are now  
9 arguing that there is a kind of unique common cost  
10 allocation which is consistent with workable competition  
11 and it comes out of this Bliss paper. So can you  
12 introduce that and explain why you think that is the  
13 case.

14 MR PARKER: Yes. So I think as at a conceptual level what  
15 you have got is if you face competition everywhere then  
16 you will end up with zero economic profit so you have  
17 got that overall constraint that you face on your  
18 pricing. If you have a common cost across multiple  
19 services, then competition will drive you to essentially  
20 just recovering that common cost across all those  
21 services because if you were recovering more on that  
22 common cost, having recovered all your other costs, then  
23 that would be positive economic profits, that would not  
24 work.

25 So then the question is, how does that process of



1 competition, where does it end up in terms of how those  
2 common costs are allocated across all the different  
3 products? The answer is from Bliss that they are  
4 essentially in a sort of Ramsey pricing type way but  
5 taking into account, so this is the concept of  
6 super-elasticities that Mr Duckworth was talking about.  
7 So it is not just the individual own price elasticities  
8 of each individual product but it is also taking into  
9 account across price elasticities of one product  
10 vis à vis other products.

11 So you might say, and I know milk is a particular  
12 product in a supermarket. If we are out of line on milk  
13 then people will not come at all and so maybe it would  
14 be more competitive on milk in terms of charging a lower  
15 mark-up and getting a lower allocation of those costs.  
16 That is because we think that will have some knock-on  
17 effects to other products. That is in this concept of  
18 super-elasticity, so in that super-elasticity you would  
19 not want to apply very much common cost to that product.

20 But essentially it is like an extended version of  
21 Ramsey pricing. It seems to me that is basically how --  
22 competitive firms have to deal with this problem all the  
23 time and this is, if you like, an explanation of how  
24 they end up with the prices that they do. When we talk  
25 about the competitive price for something that always --

1           there will always be at some -- think of a retail  
2           example. There will always be some element to which  
3           there is a common cost which is needing to be recovered.  
4           But that does not mean we think, well we have absolutely  
5           no idea how these firms recover the cost to their store.

6           If you are a coffee shop and you are selling coffee  
7           and cake, you do not see coffee shops saying, right,  
8           I am going to recover it all on cake. Another shop  
9           saying, I am going to recover it all on coffee. Give or  
10          take there is a competitive price for coffee, some sort  
11          of quality differentials between a high street coffee  
12          shop and a kind of single estate kind of really premium  
13          coffee shop and so on. But by and large you know what  
14          the competitive price for coffee is. If you went into  
15          a shop and it was £10 for coffee and it was £1 for cake  
16          you would think their coffee prices are a bit off, and  
17          if you went into a shop and you saw their coffee was £1  
18          and their cake was £10 you would think their cake prices  
19          are a bit off. So you would go to the first one for  
20          coffee and the second one for cake, or the other way  
21          round, I have forgotten my example, and as a result  
22          competition would then kind of end you back up at where  
23          they have got up which is there is a competitive price  
24          for coffee and a competitive price for cake.

25          This is the sort of conceptual reason for why in

1 competition you do end up with prices that are  
2 competitive on the basis of this sensible application of  
3 the demand side.

4 MR RIDYARD: In terms of looking at the limb 1 question and  
5 just figuring out what is the price which is above the  
6 competitive level, it gives you a nice template that  
7 gets away from the sort of the impossibility of  
8 allocating common costs to a nice template of how to do  
9 it.

10 MR PARKER: Exactly. I think if we look back at the sort of  
11 regulatory world people have been worried about how to  
12 allocate very, very large common costs in a world where  
13 you do not have workable competition and so you are  
14 having to make some judgments or allow the regulated  
15 firm within this band of flexibility. But here in  
16 principle, and in many competitive markets, you do have  
17 workable competition so the market is doing it for you.  
18 Then, we will come back to this, but in a world where  
19 common costs are I think much, much lower than  
20 Dr Jenkins has identified, this all becomes a moot  
21 discussion.

22 MR RIDYARD: If they are that low then none of this matters.

23 Dr Jenkins, does that all seem sensible to you?

24 DR JENKINS: No. So maybe just starting from the bit that  
25 in a sense could be sensible which is to say in a sense

1           that is what arguably BT is doing, it is determining how  
2           to recover its common costs. It is not recovering all  
3           its common costs from Standalone Fixed Voice or the  
4           Voice service as it supplies it in with bundles as well.  
5           It is --

6           MR RIDYARD: It is certainly earning bigger gross margins on  
7           SFV customers than it is on bundle customers.

8           DR JENKINS: It is. It certainly is not having the same  
9           margin but it is -- I think the statement that Mr Parker  
10          has made is that you would allocate according to  
11          super-elasticities. There is another step which is to  
12          say that the super-elasticities would be the same. It  
13          is not at all clear that has been established here. But  
14          it is almost -- it is not clear to me that the actual  
15          LRIC+ benchmark that has been put forward has anything  
16          to do with this type of structure that is being  
17          described here in any case. So you can park that. I am  
18          sure we are going to come back to it.

19          It is also not clear to me that if you actually read  
20          the Bliss paper it says that for the situation we find  
21          ourselves in here you would find a sort of Ramsey  
22          solution in this case. Even if it were the case it is  
23          with the proviso around super-elasticities which is  
24          a concept that it would be useful to have a clear  
25          definition of, but it is not clear that the

1 super-elasticity of SFV and super-elasticity of bundles  
2 would be the same. That might exactly give you the  
3 rationale for having a higher margin on your SFV product  
4 precisely because of the inter-relationship and the  
5 strong cross-price elasticity between the two. That is  
6 what makes it rational even on a Bliss model to do that.  
7 Not that I think the Bliss model is a sufficient basis  
8 for this.

9 So I think there are a lot of requirements before  
10 you would conclude, ah, well, obviously the answer is  
11 the same margin across these two.

12 I think something interesting to look at is that in  
13 the most recent period, so the last couple of years,  
14 there have been standalone broadband products. I think  
15 this came up early. It was one of your early questions  
16 last week, and if you actually look at the pricing of  
17 Standalone Fixed Voice now and standalone broadband  
18 products now they are very similar at between £26-£28  
19 and of both of them offer the alternative product for £5  
20 extra. So if you take a standalone broadband you can  
21 add Voice for £5 if you take Standalone Fixed Voice you  
22 can take broadband for £5.

23 So it has moved with the technology shift so that,  
24 as I said, more and more people are not that interested  
25 in fixed Voice service. It does not have the same

1 buy-through condition that it used to have and you  
2 actually see that the standalone products have the first  
3 recovery and then the incremental subsequent products  
4 have much lower incremental prices.

5 That structure is not exploitative. It could be an  
6 absolutely rational way to recover the common costs of  
7 the business over a customer base.

8 MR RIDYARD: Mr Parker, can you comment?

9 MR DUCKWORTH: Can I just talk about the standalone  
10 broadband and standalone Voice?

11 MR RIDYARD: Yes sure.

12 MR DUCKWORTH: I think we need to be careful that it is not  
13 necessarily about recovery of common costs but may  
14 reflect the direct costs so there is a direct cost  
15 effectively for having the line into the house which if  
16 you provide standalone Voice you need the line into the  
17 house, if you provide standalone broadband you need the  
18 line into the house, so there is a recovery of that cost  
19 from the standalone services. Then the incremental  
20 adding Voice to a broadband line or adding broadband to  
21 a Voice line has much lower direct costs because you  
22 have already paid for the line into the house.

23 MR RIDYARD: But I thought when you were giving the evidence  
24 in the hot tub before I thought you were saying that --  
25 I thought we had established that for BT it has to pay

1           two prices to Openreach.

2       MR DUCKWORTH:   Yes.

3       MR RIDYARD:   For the other competitors?

4       MR DUCKWORTH:   Previously there, it was a buy-through  
5                   obligation that you needed to purchase the Voice line  
6                   first and then add the broadband incremental on to it  
7                   and if you just wanted a standalone broadband you still  
8                   needed to purchase a Voice line but my understanding is  
9                   that kind of buy-through requirement has gone.

10                So the cost structure between standalone broadband  
11                and lone Voice and Dual Play I think reflects in part  
12                the direct costs structure.  It is not necessarily  
13                simply a question of where you recover the fixed and  
14                common cost from.

15       MR RIDYARD:   Does that also imply there is a big common cost  
16                   between Voice and broadband?

17       MR DUCKWORTH:   At an Openreach level and the direct costs  
18                   reflect that at Openreach level, yes, which is the cost  
19                   of the physical infrastructure into the house.  That is  
20                   a common cost to providing either broadband or Voice or  
21                   a combination of the two over the service.  But from the  
22                   perspective of BT Consumer, in the past BT Consumer had  
23                   to pay separate -- had to pay a Voice charge of the  
24                   wholesale Line Rental on every single customer of  
25                   a fixed line service and then pay an additional

1 broadband. My understanding is now BT Consumer can pay  
2 a single standalone broadband charge and then add Voice  
3 on top of that, so there has been a change in the kind  
4 of cost structure faced by BT Consumer and we need to be  
5 careful we do not confuse that with common costs  
6 recovery.

7 MR RIDYARD: We have a few more questions on this but we  
8 will deal with those after the lunch break. Thank you.

9 THE CHAIRMAN: 2 o'clock then.

10 (1.01 pm)

11 (Luncheon Adjournment)

12 (2.00 pm)

13 MR RIDYARD: Right, so I would like to pick up where we left  
14 off, because I think there are a few questions still  
15 about the Bliss article and its relevance to the  
16 apportionment of common costs.

17 Just to come back specifically on the last point,  
18 Mr Duckworth, you were reacting to what Dr Jenkins had  
19 said about currently observed pricing, where she said  
20 that standalone either broadband or Voice is typically  
21 charged at £20 with a £5 increment for the other  
22 element.

23 Can you just tell us, what point were you making  
24 about this? Were you saying that was only something  
25 that applies the way Openreach works now and would not



1           have applied previously, or were you making a different  
2           point?

3           MR DUCKWORTH: I think it is reflecting kind of both  
4           a demand side change, where there is obviously a lot of  
5           demand for broadband only, but also a change in the way  
6           that Openreach delivers and sells the services. So now  
7           it is moving to a kind of Voice Over IP service, which  
8           effectively uses a broadband connection to deliver  
9           Voice, whereas previously it was effectively, from BT's  
10          perspective and BT Consumer's perspective, you used  
11          separate equipment to deliver the broadband service and  
12          the Voice service.

13                 So my observation was the fact that we have seen  
14          a change in the kind of apprising and emergence of  
15          standalone broadband from BT Consumer which in part  
16          reflects changes to the technology underlying that. So  
17          a change in the structure of direct costs which  
18          BT Consumer pays to Openreach is not necessarily just  
19          a change in the way BT Consumer recovers its own fixed  
20          and common costs.

21          MR RIDYARD: So are you saying that is not very relevant for  
22          the claim period?

23          MR DUCKWORTH: It is only relevant in recent years, but it  
24          is not necessarily relevant for SFV services, which  
25          I think generally are still delivered over wholesale

1 Line Rental, but there is a shift going on from  
2 delivering Voice services over the copper line using  
3 wholesale Line Rental to the majority of Voice lines  
4 being delivered over the Voice Over IP technology, which  
5 effectively uses a broadband network and then runs  
6 a Voice application on top of that network. So there is  
7 a change in technology which has happened in the last  
8 two years, I think, roughly.

9 MR RIDYARD: Just in terms of the whole common cost  
10 discussion, is that saying going forward there is  
11 a bigger common cost between Voice and broadband than  
12 there was in the past?

13 MR DUCKWORTH: At a BT/Openreach level, I think there is  
14 increased common cost between Voice and broadband.

15 MR RIDYARD: But at a retail level?

16 MR DUCKWORTH: At a retail level I do not think it affects  
17 the sort of the level of common cost there is, yes.  
18 Common cost is serving customers, for example, having  
19 a call centre, and the way the underlying broadband and  
20 Voice services are delivered will not impact on the  
21 common costs of the --

22 MR RIDYARD: But the cost --

23 MR DUCKWORTH: -- services.

24 MR RIDYARD: But the cost of the line -- sorry, the  
25 Openreach charge for a line is whatever, £10 a month or

1 something, so that is £120 a year, that is a reasonably  
2 big number in the scheme of things.

3 MR DUCKWORTH: Yes.

4 MR RIDYARD: If that is a cost to the retail operator,  
5 whether it is BT or TalkTalk or whoever, I mean, if you  
6 are saying that that is -- just by buying that line once  
7 you can do both Voice and broadband through that line,  
8 then that would be quite a big common cost, would it  
9 not, between Voice and broadband?

10 MR DUCKWORTH: So there is a distinction between a common  
11 cost to serving that customer and a common cost for --  
12 a fixed and common cost for BT Consumer to provide  
13 either Voice services or broadband services. So, yes,  
14 I accept there is a large common cost incurred to serve  
15 that customer, whether you are serving that customer  
16 with a Voice service alone or a broadband service or  
17 a combination of the two. That is kind of a fixed and  
18 common cost of serving that customer.

19 But when we are looking at BT's -- BT Consumer's  
20 fixed and common costs, we are ignoring those direct  
21 costs which effectively given, and looking at, on top of  
22 those direct costs, the indirect costs of serving those  
23 customers, the degree to which those are fixed and  
24 common. So I think there is a distinction between the  
25 direct costs and then the indirect costs.

1 THE CHAIRMAN: I follow that. But in the context of what we  
2 have got to look at, and the claim period which ends in  
3 October 2022, I think, somewhere thereabouts, do these  
4 recent developments that you have talked about, and  
5 moving over to a VOIP protocol-based system for Voice  
6 calls, is that of any relevance to the period we are  
7 looking at in terms of the attribution of incremental  
8 costs?

9 MR DUCKWORTH: I do not think it has a material effect on  
10 our analysis.

11 THE CHAIRMAN: Yes, thank you.

12 MR MATTHEW: Could I just add one or two comments on that?

13 MR RIDYARD: Yes, please.

14 MR MATTHEW: So leaving aside the precise periods, it does  
15 however -- the switchover to VOIP does have some  
16 parallels with some of the other themes we have been  
17 talking about. So what will basically happen is,  
18 especially for Voice only customers, they are going to  
19 need to be moved onto the new system, and my  
20 understanding is that will involve changeover of the  
21 equipment, you will have to have a wi-fi router, plug  
22 your phone into that, which if you do not have  
23 a broadband connection means somebody has to put it  
24 there, and it is sort of one of the general cases of  
25 wide VAT economics, that whenever you have to do those

1 kind of things it is quite painful.

2 THE CHAIRMAN: But the Voice only customers here, their  
3 claim ends in 2017.

4 MR MATTHEW: I agree.

5 THE CHAIRMAN: So what is the relevance of what happens to  
6 Voice only customers now?

7 MR MATTHEW: The comment I was going to make is, well, you  
8 are absolutely right, we are now into: Ofcom will deal  
9 with that through their ex ante regulation and voluntary  
10 agreements with BT. It is, however, a change that  
11 affects Voice only customers, and one of the themes that  
12 has been put is that Voice only customers and SFVs in  
13 general have no innovation, nothing ever happens in  
14 these markets, and my point is while it has come late,  
15 actually when you have a situation where you get some  
16 legacy customers, you often do get end of life  
17 complications coming in, and that does tend to mean that  
18 you have to take those into account and say, well, is  
19 this really a totally calm product market where  
20 everything will continue as it always has done?  
21 Actually we are reaching the point where that is not  
22 true.

23 THE CHAIRMAN: Yes, thank you.

24 MR RIDYARD: Dr Jenkins.

25 DR JENKINS: I was just going to add I do think it is

1 interesting to see this, and I think it is from some  
2 time in 2020 that BT started offering the naked  
3 broadband product. It is also relevant because we still  
4 have split purchase customers in the claim who are  
5 paying the SFV prices, and it is not that -- there is  
6 a lot of investigation that has gone into those two  
7 products, but what is interesting is now there is  
8 a meaningful standalone broadband product, which I agree  
9 with Mr Duckworth that there was not at an earlier  
10 period. You had to basically have the Line Rental and  
11 then you got broadband as an addition to that. Now that  
12 there is a realistic option, you see the pricing  
13 structure being sort of the same sort of price for the  
14 Voice line and the broadband line, if you take them  
15 standalone, so that sort of relationship that you need  
16 to have with your customer to provide one service. Then  
17 whichever product you add on, the Voice or the  
18 broadband, you then pay the same incremental price for  
19 it, so the bundle is the same whichever way you come to  
20 it.

21 So that is saying something about the way BT is  
22 thinking not just about the underlying potential  
23 benefits of the changes in technology, but also in terms  
24 of the cost to serve a customer in terms of how much --  
25 the additional amount they are charging.

1 MR RIDYARD: Yes, but that is what is behind my questions on  
2 it. What is it saying about the costs?

3 DR JENKINS: So that they are similar across those, across  
4 those two.

5 MR RIDYARD: Can you be more precise about that?

6 DR JENKINS: I am not sure that I can at this point in time  
7 without having done a bit more looking into what the  
8 actual wholesale prices are.

9 THE CHAIRMAN: Just to finish that point off, because it was  
10 a point Mr Parker made, yes, there are costs which are  
11 common to Voice and broadband, with a small C, in the  
12 sense that for essentially the period we are looking at,  
13 each of them had to have Line Rental. We know that.  
14 That is a direct cost. So we have done -- and direct  
15 costs are agreed. So what we are really interested in,  
16 and what we are going to be moving on to, is the  
17 incremental costs, and that is why I could not quite see  
18 where this was going, this particular point about the  
19 new technology.

20 DR JENKINS: I think it is saying that if there are --  
21 I mean, the premise is that the costs that are being  
22 recovered from SFV customers are excessive, right. Then  
23 you say, okay, we look at another set of customers who,  
24 while they are buying a different product, you have got  
25 a similar structure, which is the product that they buy

1 is a single product and the pricing is similar to those  
2 two customers. So I mean, I guess maybe it is another  
3 benchmark and one needs to look into it a bit more, but  
4 it is sort of saying there is -- to the extent that the  
5 technology can provide similar services, and the pricing  
6 is the same, and the increment when you end up at  
7 a bundle is the same, then saying, ah, but it is clearly  
8 excessive when you are just buying Voice, but it is not  
9 clearly excessive when you are just buying broadband.

10 THE CHAIRMAN: I see. Thank you very much.

11 MR RIDYARD: Yes, Mr Parker, yes, please.

12 MR PARKER: I am not sure you can draw much from the fact  
13 that, if that is correct, that Voice and broadband have  
14 recently -- standalone broadband have recently had the  
15 same prices, given that they may have different costs  
16 and different margins attached. I just do not think you  
17 can draw very much from that, and linked to the fact  
18 that bundle prices are offered at a discount, I think  
19 that has been well trialed in our previous discussions  
20 about the competition in bundles and the ability to  
21 price discriminate against people on standalone  
22 services. I am not sure how far this takes us.

23 MR RIDYARD: Just I think possibly the last or second to  
24 last point I had on Bliss, Mr Matthew, and I know in  
25 your evidence you make a point about the sort of fixed



1 fee variable elements of pricing in relation to the  
2 Bliss argument. Do you recall that point? Is it in  
3 some way relevant to how we interpret, Mr Parker's view  
4 anyway, of how common costs should be recovered?

5 MR MATTHEW: I cannot remember what my precise point was,  
6 but in general terms I think my main observation on  
7 Bliss was it is a theoretical paper that seeks to  
8 evaluate outcomes in oligopoly, with, in some versions,  
9 as Mr Parker says, free entry, but examines, thinking of  
10 a shop, how does a shop decide how to distribute the  
11 gross margins that it sets when it is having to compete  
12 with other shops to get people in through the door?

13 My general point is I have no issues with the  
14 article itself. It is one of a stream of articles that  
15 goes into those sorts of questions. But my experience  
16 is that transitioning from an article, a stylised  
17 article like that, to being able to say, well, now,  
18 through theoretical reasoning, we can predict what the  
19 outcome in an actual market would be, even if we could  
20 fill in all the parameters, is an ambitious exercise,  
21 and I think it is probably in that context I was talking  
22 about fixed charges versus variable charges being one of  
23 the many complexities.

24 So precisely how different firms decide to make  
25 those judgments, I mean, it could even vary. There is

1 a longstanding theme that says choosing different  
2 pricing structures is itself part of competition. It is  
3 not something that everybody necessarily does the same.  
4 You say: 'I am going to choose my price structure to fit  
5 in a way that actually matches some part of the market',  
6 whereas somebody else might choose differently.

7 The sort of example you get of that is mobile phones  
8 in the past are quite good. So you had periods where,  
9 for example, I think it was Three would offer lots of  
10 very cheap data packages, whereas others were charging  
11 for that in a very different way, and what they were  
12 doing was competing on the pricing structure.

13 So that sort of thing is real and the Bliss article  
14 really does not sort of get into that kind of thing.  
15 I think the realistic thing is if you want to pick up  
16 something like that and say: there exists the outcome of  
17 workable competition, or competition even very -- full  
18 competition, it might be that that exists, and of course  
19 in practice, in real life, it does. We see it. The  
20 difficulty comes with trying to use theoretical  
21 reasoning of that type to get there.

22 My main point, coming back to a lot of the comments  
23 about common costs allocation, remains that common costs  
24 allocations are either something you do just at the end  
25 in a commercial environment, as opposed to a regulatory

1           one. What you do not do, if you are a supermarket, is  
2           sit down and say: how am I going to work out my common  
3           cost allocation and how will that inform my prices? It  
4           is the other way round, and the Bliss article is just a  
5           version of that. It is saying: you cannot use this  
6           theoretical reasoning to reach a view as to how prices  
7           would be formed, and if I can work that out, I can get  
8           you back to what common costs allocation would have got  
9           you there. But you still have to go through that first  
10          step, and that is the hard and complicated part.

11       MR RIDYARD: Thank you.

12           I think the last question I had on Bliss was just,  
13           and it may be that none of you is in a position to  
14           answer this, but I mean, it is quite a while since that  
15           article was published and common costs questions  
16           obviously crop up a lot in regulatory cases and other  
17           cases. Is it something which has been picked up by  
18           other decision makers and regulators? So have they  
19           already answered these problems that we are talking  
20           about now?

21           Mr Parker, would you like to go first?

22       MR PARKER: Not that I am aware of, and I think that is  
23           because this is a description of how firms set prices in  
24           competitive markets, and therefore it is not -- I think  
25           it is not meant to be, and I am certainly not using it

1 as a: what we should do is work out what the  
2 super-elasticity is to work out what the answer is.  
3 What I am using it for is to say it is really important  
4 to think about the demand side, and that I think is an  
5 issue with sort of purely supply-side approaches like  
6 SAC combi, because one of the implications we will come  
7 on to of the SAC combi is if BT were to make lower  
8 profits on product B, SAC combi would say, well, you can  
9 put your price up to recover that from product A. But  
10 let us suppose you are becoming less efficient on  
11 product B, or you are offering a lower quality service,  
12 or, if you are the coffee shop, your cake supplier has  
13 not turned up. That does not mean you can put your  
14 price up on coffee because your cake supplier has not  
15 turned up, but SAC combi would say, well, you can do  
16 that, because it is all about the cake side.

17 Similarly, let us suppose you get an answer which is  
18 you could put your prices up, SAC combi says you can put  
19 your prices up a lot. But what happens if customers are  
20 very price-elastic, or, as I think Dr Jenkins has  
21 expressed a view in her market definition exercise, now,  
22 I do not believe it, there was clearly some level of  
23 elasticity, but the SAC combi just says, well, it does  
24 not matter how far you put the price up, we will not  
25 take into account any of that demand response.

1           So I think, for me, the purpose of the Bliss paper  
2           is to say what happens in competitive markets. I think  
3           it is quite a general paper, but I do not think it has  
4           been picked up by regulators because they tend to be  
5           looking at a world where there is not that sort of  
6           competitive benchmark out there, and so understandably  
7           they are looking for different ways of trying to tackle  
8           the problem when they do not have that sort of demand  
9           side guidance or competitive market guidance.

10       MR RIDYARD: Anything else to say on that?

11           Dr Jenkins.

12       DR JENKINS: Yes, I am also not aware of any situation where  
13           it has been applied. But I also do note that in the  
14           article itself at page 382, Professor Bliss writes that  
15           he recognises that the result is "hard to interpret  
16           intuitively and difficult to apply empirically", which  
17           may influence why it has not been adopted by others. We  
18           did not go into a lot of detail on the  
19           super-elasticities point, but as I said before, I think  
20           the premise of Mr Parker that the super-elasticities  
21           would be the same has not been discussed or shown and  
22           given the super-elasticities' weight across price  
23           elasticity by the relative quantities, and here you have  
24           bundles being much bigger than SFV and the cost price  
25           elasticity negative, then the -- this is quite

1 technical, but I will keep going -- then the impact of  
2 the super-elasticity is likely -- for SFV is likely to  
3 be much lower than its elasticity, because it is  
4 a negative and you get a big weight from bundles. The  
5 reverse is not the case, because for bundles the  
6 proportion that SFV represents, the bundles for the  
7 inverse of it, is much less.

8 So even on its face I do not think you get -- even  
9 if you could implement it, even if you believed it and  
10 could take account of Bliss's arguments, I do not think  
11 we even have the conditions to say you can draw from it  
12 what Mr Parker draws from it.

13 MR RIDYARD: Okay.

14 MR PARKER: Just to be clear, I do not say that the  
15 super-elasticities are all the same.

16 MR RIDYARD: All the same for what? For the different  
17 products?

18 MR PARKER: All the different services offered by BT.

19 MR RIDYARD: All right. Let us move on from that. The next  
20 topic is looking at the 2009 BT cost exercise on which,  
21 Mr Duckworth, your approach relies. So obviously it  
22 makes sense for us to drill down and really understand  
23 what we know about this 2009 exercise and to what  
24 extent ...

25 There are two issues here. One is: at the time, was

1           it a good answer to the question that we are interested  
2           in; in other words, how to identify costs causality and  
3           BT's costs? The second question is: to what extent can  
4           we assume that the 2009 exercise still holds true for  
5           the claim period?

6           Let us deal with the first question first. What do  
7           we know about what happened in 2009, what BT did, and  
8           what assurance does it give us that it was answering the  
9           questions which are of interest to us in this case?

10          MR DUCKWORTH: Just to put the regulated financial  
11          statements in context, they are a remedy under -- after  
12          finding that BT has SMP in a given market. In this  
13          case, BT up to 2009 was found to have a - (inaudible) -  
14          significant market power in the market for retail Voice  
15          services, both access and calls, and at that point Ofcom  
16          was required to put in place a regulatory cost  
17          accounting obligation. That regulatory cost accounting  
18          obligation required BT to produce effectively separated  
19          accounts, so accounts down to EBITDA level, for Voice  
20          services, and that required it to identify the revenues,  
21          and then identify an attribution of costs to calls, or  
22          certain types of calls, and to access, effectively, of  
23          the line.

24          The costs were then some direct costs which -- in  
25          the same way that BT Consumer recognises those direct

1 costs as effectively a re-charge from BT Openreach in  
2 the regulatory financial statements. It is the same  
3 approach, it is a kind of re-charge from Openreach.  
4 Then an allocation of indirect costs, both SG&A and  
5 depreciation/amortization, to those retail services.

6 That allocation was based on a very complex system  
7 which starts off with very granular cost information  
8 across the whole of BT Group, which is then allocated  
9 through a multi-stage process which tries to reflect  
10 causality in allocating very granular cost information  
11 using operational information to allocate those costs  
12 eventually to individual services, so --

13 MR RIDYARD: When you say "individual services", do you mean  
14 Voice and broadband, or do you mean something more  
15 drilled down?

16 MR DUCKWORTH: The way it is structured is, because the  
17 obligations only apply to regulated services, it  
18 effectively allocates costs to those regulated services,  
19 and then there is a big residual which covers all of  
20 BT Group's nonregulated products. But it is, in  
21 essence, a fully allocated cost methodology which tries  
22 to allocate all costs to individual services or  
23 individual bits of output of BT. But as I say, where  
24 those outputs are not regulated it sort of just groups  
25 them all together in a residual element.



1 THE CHAIRMAN: Sorry, just to be clear, so far as the  
2 allocated bit is concerned, is this BT Voice or SFV?

3 MR DUCKWORTH: It is BT Voice.

4 THE CHAIRMAN: It includes the Voice element in the  
5 broadband service as well?

6 MR DUCKWORTH: So up until 2009, BT was found to have SMP  
7 for retail Voice, and one of the conditions applied, one  
8 of the SMP conditions, prevented it discounting the  
9 Voice price, for example, if it was bundled with  
10 a broadband service. So effectively in 2009 all  
11 BT Retail Voice services were Standalone Fixed Voice  
12 services but they were unbundled for the broadband side.  
13 BT was not able to bundle together fixed Voice and  
14 broadband and offer a discount for that bundle.

15 THE CHAIRMAN: Sorry, does that mean that in effect what BT  
16 was being required to do by Ofcom was provide this  
17 revenue costs allocation in relation to SFV?

18 MR DUCKWORTH: Yes, effectively.

19 THE CHAIRMAN: Only? In other words, what we would now call  
20 the Voice only customers and the SPCs?

21 MR DUCKWORTH: Yes.

22 THE CHAIRMAN: Right, thank you.

23 MR RIDYARD: Okay, at that point all Voice companies were  
24 SFVs for the reasons you just described, but in the  
25 claim period that is not the case. So does that mean

1           that what was incremental to so-called SFVs in 2009,  
2           which is Voice, is that necessarily the same as what is  
3           incremental to SFVs during the claim period, given that  
4           SFVs in the claim period is not all -- is only  
5           a relatively small proportion of Voice customers.

6       MR DUCKWORTH:  If you think about where the sort of  
7           incremental costs are derived, for example, customer  
8           service, customer service costs for retail Voice  
9           customers in 2009, the incremental customer service  
10          costs are going to be similar to serving ... similar.

11       MR RIDYARD:  If it is a per customer charge then I ... A per  
12          customer cost, sorry.

13       MR DUCKWORTH:  A per customer cost, exactly.  So you are  
14          carrying out the same activities to serve the retail  
15          Voice customer in 2009 as you would need to serve the  
16          retail or the SFV customer in the claim period.  So  
17          broadly the activities are the same, and hence the  
18          incremental costs are similar.

19       MR RIDYARD:  That would be true if the cost was linear with  
20          the number of customers, would it?

21       MR DUCKWORTH:  Yes.  So we can come -- there is obviously  
22          a question about the economies of scale later on.  So  
23          I say similar, not necessarily the same.

24       MR RIDYARD:  No, no, okay.

25       MR DUCKWORTH:  I will carry on.

1           In terms of the allocation rules, there is a very  
2 thick description called the Detailed Attribution  
3 Methodology, which BT is required to publish, which  
4 explains the allocation rules used to get from, as  
5 I say, quite detailed cost categories to services, and  
6 it is a multi-stage process, so I am not going to go  
7 into the details of individual attribution  
8 methodologies.

9           The main point is BT is bound by a set of regulatory  
10 accounting principles which require it, as far as  
11 possible, to ensure costs are allocated to services on  
12 a causal basis, and where costs of the company are  
13 attributed on a causal basis, i.e. are kind of fixed and  
14 common, that those are on a "fairly presents" basis.  
15 I consider that means that this fully allocated cost  
16 methodology is effectively a good proxy for LRIC+.

17           Certainly Ofcom, in other contexts where it is  
18 looking at regulating Openreach prices, does consider  
19 the outputs of the regulatory financial statements to be  
20 a good proxy for LRIC+, and then sets prices generally  
21 on the basis of costs as recorded in the regulatory  
22 financial statements.

23       MR RIDYARD: In that process, would we know -- let us say BT  
24 was told to do this job, and it has done it as well as  
25 it can do, but it might have come up with some aspects

1 that were quite relatively simple. You know, it knows  
2 that -- it might know that the cost of call centres  
3 increases with the number of customers of any given  
4 service or something, but then there might be other  
5 costs where it is genuinely difficult, a puzzle, to know  
6 how to get to the right answer. They would still have  
7 to produce an answer for Ofcom because it was required  
8 to, but is it clear from this handbook which are the  
9 areas in which BT knew the answer and just put it down,  
10 and areas where BT said, well, we do not really know the  
11 answer but this is our best guess. Is that distinction  
12 made in the handbook?

13 MR DUCKWORTH: I do not think that distinction is explicitly  
14 made. So for each cost there will be a cost driver and  
15 some of those cost drivers will be based on operational  
16 data. So, for example, when allocating the costs of  
17 human resources you might use the number of staff in  
18 different divisions of BT to allocate that cost, and  
19 that is clearly a causally related cost driver to  
20 allocate human resources costs to various divisions, and  
21 then from the divisions you kind of have another stage  
22 to allocating the products.

23 In other areas you may use, or BT may well have  
24 used, cost allocation methodologies which do not appear  
25 to have a clear causal relationship. For example, to

1 use revenues to allocate costs or to use -- we talked  
2 about equi-proportionate mark-ups. You know, clearly  
3 this was an expensive exercise for BT to carry out  
4 because there is a level of materiality where you want  
5 to find causal cost drivers for the big ticket items,  
6 but there will always be some costs where the effort in  
7 trying to determine cost causality for that particular  
8 cost is so large that it makes sense to use kind of  
9 a proxy cost driver which allocates the cost in a way  
10 which seems fair, or fairly presents the kind of cost  
11 allocation.

12 MR RIDYARD: Okay. Let me stop you there.

13 Anything so far in that answer, Dr Jenkins, which  
14 you would disagree with or want to raise?

15 DR JENKINS: I would just say that the approach of the RFS  
16 was starting from the indirect costs, and not  
17 necessarily always very clearly delineating between  
18 incremental and common costs, I do not believe. I do  
19 not believe that was a really clear view.

20 So while there was some aspect about cost causality,  
21 as Mr Duckworth has clearly said, at times that was  
22 difficult to do, even in the event there might be  
23 theoretically some attributable cost causal reason.

24 I also think that even for the incremental areas  
25 there would be a judgment to be made about, yes, whether

1           you do it on the basis of customer numbers or you do it  
2           on the basis of headcount or these elements. So it  
3           definitely was done in a "fairly presents" way. It was  
4           audited and all the rest of it. But it does not mean  
5           that was the only way someone might have done that  
6           exercise.

7           MR RIDYARD: Specifically on common costs, I mean, is this  
8           correct, that those were not separately identified or  
9           thought about, or it was all just part of the exercise?

10          MR DUCKWORTH: This is a fully allocated cost methodology,  
11          so common costs are not sort of separately identified.  
12          However, as I said initially, it does go down to quite  
13          granular cost items, and I think that helps in  
14          identifying costs which are specific to given services.  
15          If you go down to thousands of different cost items then  
16          you have got a much more refined way of saying, well,  
17          this cost, I can see is related to this, so it is of  
18          this group of services, and allocate it on that basis.

19                 But I mean, I agree with Dr Jenkins. This is an  
20          exercise which is complex, requires some degree of  
21          judgment. BT cannot spend infinite resources spending  
22          all its time working out cost causality, but it is the  
23          most robust cost attribution that I think is available  
24          to the Tribunal.

25          THE CHAIRMAN: Could I just ask one supplemental, two

1           supplementals there, please.

2           You will have given the reference in your report,  
3           but this underlying published calculation done by BT, we  
4           can look at that document?

5       MR DUCKWORTH: Yes, so one of the -- as Dr Jenkins says, the  
6           regulatory financial statements are audited, but they  
7           are also relatively transparent, subject to the  
8           confidentiality of BT. But the general public, if they  
9           are so interested, but certainly competitors, can go in  
10          and analyse the detailed attribution methodology and  
11          make representations to Ofcom, saying --

12       THE CHAIRMAN: All I wanted to know is: you have made  
13          a reference to it in your report --

14       MR DUCKWORTH: Yes.

15       THE CHAIRMAN: -- and it must be within the documents we  
16          have here already? That is all I wanted to know.

17          The second question I had was: we know that BT were  
18          required to do this by Ofcom, but the principles that  
19          they were required to apply, were they general  
20          accounting principles as opposed to some principles  
21          which were imposed by Ofcom?

22       MR DUCKWORTH: They were regulatory accounting principles  
23          rather than general accounting principles, so they were  
24          imposed as part of the regulatory obligations. The  
25          regulatory financial statements are far more detailed

1 than your typical statutory financial statements. They  
2 go down to kind of individual products where those are  
3 regulated, so it is, you know ...

4 Some of the inputs are based on the statutory  
5 financial statements, but the process and the outputs  
6 are far in advance of what is required by statute for  
7 a non-regulated company.

8 THE CHAIRMAN: Thank you very much.

9 MR RIDYARD: Dr Jenkins, maybe I could ask you, just going  
10 back to this common cost question again: to the extent  
11 that you have looked at this 2009 exercise, is it  
12 possible to go into that and sort of get some clues  
13 about what BT thought its common costs were, as opposed  
14 to the incremental costs, through that exercise?

15 DR JENKINS: I do not believe so. I have had a look and  
16 I do not think you can unpick to determine which are the  
17 common -- or fixed and common and which are truly  
18 incremental.

19 MR RIDYARD: Okay, I suppose I was wondering whether, in  
20 that exercise, BT might have gone to Ofcom saying: we  
21 can do these costs because they are incremental, but  
22 these ones are just in the "too difficult" box, and that  
23 would somehow give you a clue -- a kind of cross-check  
24 of your estimates of the common costs?

25 DR JENKINS: No, I think there are a number of categories



1 where it sort of says, you know, not quite sure about  
2 this category, will allocate it on the basis of other  
3 cost allocations, it is like an EPMU piece, and I think  
4 that is a mix, that sort of overall basket is a mix of  
5 things that are unclear, maybe fixed and common, but  
6 they are just in the indirect box. They have not been  
7 sorted first of all to say, okay, here are the ones that  
8 are incremental, here are the ones that are common, and  
9 now let us think of an approach separately for those.

10 MR RIDYARD: Okay.

11 If we step back and look at the way in which the  
12 exercise turned out, am I right in thinking that it  
13 turned out to be something very similar, as if they had  
14 done it by EPMU, all the indirect costs on an EPMU  
15 basis?

16 Mr Duckworth.

17 MR DUCKWORTH: So just to unpick that. Dr Jenkins has  
18 produced sort of alternative fully allocated cost  
19 estimates based on an equi-proportionate mark-up on  
20 direct costs, and if you do that during the claim period  
21 and compare that to my approach, which takes the 2009  
22 costs and projects them forward with CPI, those two  
23 results are relatively similar.

24 I do not think that means that if you had applied an  
25 EPMU approach in 2009 you would have necessarily got the

1 same result.

2 MR RIDYARD: I see. You think it is a coincidence anyway,  
3 in any case?

4 MR DUCKWORTH: Yes, I think it is coincidental.

5 MR RIDYARD: Do you disagree with that, Dr Jenkins? Do you  
6 have any ... or maybe you just do not know.

7 DR JENKINS: I do not disagree that it is coincidental on  
8 Mr Duckworth's statement. I think it is still  
9 potentially meaningful, because one of the challenges  
10 that we have is that because it is based on 2009 it does  
11 not use the actual indirect costs of BT going forward,  
12 so it is not unhelpful to see, well, what does that  
13 benchmark look like when you think about using the  
14 actual indirect costs, what sort of high level fully  
15 allocated cost approach is it akin to? I think the  
16 actual similarity of the levels is a meaning -- you can  
17 conclude something meaningful about -- maybe there were  
18 lots -- you could have done a very intricate alternate  
19 way, but if in the end it ends up looking like EPMU,  
20 then that is still a meaningful factor to take into  
21 account.

22 MR RIDYARD: Why? I am not sure I understand why.

23 DR JENKINS: What has not been done since 2009 is doing an  
24 actual granular approach. So what Mr Duckworth's  
25 approach does is say, okay, assume that was fixed in

1 stone, and then assume that each cost category that  
2 existed in 2009 increased by CPI, and then you did the  
3 same allocation and that gives you your number, lots of  
4 things change, so the underlying costs categories  
5 probably shift, they mix shifts, so the fact that each  
6 of them is being extrapolated by CPI probably does not  
7 hold, so that is the sense in which there is a lot  
8 moving as you follow through Mr Duckworth's approach.

9 So if ultimately, then, when you look at actual and  
10 direct costs and the actual allocation, and it is  
11 similar to the EPMU one, I mean, maybe you are right,  
12 maybe it is just pure coincidence and you cannot infer  
13 anything from that, but it is saying it would be  
14 equivalent to someone having used EPMU on the actual  
15 costs as they evolved since 2009. Maybe you cannot say  
16 anything more than that.

17 MR RIDYARD: Okay.

18 Now, what about the use of the 2009 RFS specifically  
19 as opposed to prior years, I think it was, when they  
20 also did the RFS. Why have you chosen 2009, and  
21 obviously there is a discussion about how it would have  
22 looked differently if they had taken other years.

23 MR DUCKWORTH: So Mr Cackett in his testimony said

24 BT Consumer is constantly looking for efficiency gains,  
25 and we see in the period before 2008/09 and also the

1 period after 2008/09 that BT implemented a cost  
2 transformation programme which reduced costs over time,  
3 sort of all else being equal. I will talk about the  
4 caveat later.

5 Presumably that was BT sort of moving with  
6 effectively the efficiency frontier. Generally we  
7 expect companies to become more efficient over time,  
8 productivity goes through a sort of innovation on how  
9 you deliver services. If unit costs are expected to be  
10 falling over time, then the best thing to do is take the  
11 most recent estimate of those unit costs as the starting  
12 point, because that encapsulates all of the efficiency  
13 gains that have happened up to that point.

14 So if I used earlier estimates, then there would be  
15 a degree of inefficiency, at least compared to 2008/09,  
16 even if it was not inefficient in a static sense in,  
17 say, 2007/8. So I used the latest year because that  
18 encapsulates all the efficiency gains up to that point.

19 MR RIDYARD: So if in previous years the costs had been  
20 considerably higher, you would just say that just shows  
21 that costs are coming down, and, if anything, you might  
22 even want to project that to the gap between 2009 and  
23 the claim period?

24 MR DUCKWORTH: Yes, exactly. So I have taken a conservative  
25 approach, which is I assumed there are no material

1 efficiency gains from 2009 onwards. Again, Mr Cackett's  
2 testimony, and looking at the kind of medium term plan  
3 of BT Consumer from I think it was 2020 onwards, was  
4 assuming a roughly 5% reduction in total indirect costs  
5 per annum. In my first report I was showing that the  
6 customer transformation programmes in 2008/09, 2009/10,  
7 2010/11, I think it was, were also showing similar  
8 reductions in costs of about 5% per year. So if we take  
9 earlier periods, we effectively take a sort of  
10 inefficient level of costs compared to the current day  
11 where efficiency gains have increased over time.

12 MR RIDYARD: Okay.

13 Dr Jenkins.

14 DR JENKINS: I think if we go to {E/18/131}, I think that  
15 this just plots the level of indirect costs attributed  
16 to residential fixed Voice services within the RFS from  
17 2004/5 to 2008/09, and also plots it against the number  
18 of fixed Voice lines. So it is not -- there is not  
19 clearly a linear relationship. There is plenty going on  
20 and changing in those years in terms of obviously the  
21 costs that are being incurred as well as the fact that  
22 BT is facing a lot of competition over that period with  
23 respect to fixed Voice lines, it is losing lots of those  
24 lines, and we know a lot of those customers are moving  
25 to take bundles with the rival providers.

1           I just think it is quite hard to attribute -- to  
2           just pick on the 2008/09 number and say, well, that is  
3           the right number and there -- there is nothing there  
4           that suggests it would be a linear, a particularly  
5           linear relationship, I think, for the costs.

6           MR RIDYARD: Yes.

7           DR JENKINS: I mean, you can see that in a sense between  
8           2004/5 they are now spending the same amount of money as  
9           they were when they had a lot more customers. Now, you  
10          could say, oh, they are just inefficient and they are  
11          doing all these things; it could be driven by the  
12          competition they are facing, the fact that actually  
13          there are -- a lot of these costs are relatively fixed,  
14          so even when they lose a big chunk of those customers  
15          they are still having to invest in new and better  
16          customer service systems or upgrade those systems, all  
17          of those elements, their marketing, you know, the brand  
18          marketing may increase over that time because of the  
19          competition they are facing. So there are many things  
20          that can be going on.

21          Now, obviously we do not have any further data so  
22          then that obviously makes life difficult, but what we  
23          know is that for BT Consumer it is not the case that the  
24          total of indirect costs is particularly falling over  
25          that period either, and while it can -- while at times

1           it can be thrown at BT that they were inefficient, in  
2           fact I think Ofcom, when they looked at it, I think it  
3           is actually agreed between myself and Mr Parker and  
4           Mr Duckworth that there is not any evidence that BT was  
5           inefficient in its retailing activity during this  
6           period.

7           MR RIDYARD: Okay. So, yes, there is certainly -- this  
8           chart does not show a steady decline in indirect costs,  
9           certainly not -- if you did it on a per line basis, it  
10          would be even different again, yes.

11          So your take on this chart is that the 2008/09  
12          number arguably looks like a bit of an outlier, or,  
13          certainly, it is not representative of the previous  
14          years.

15          DR JENKINS: Yes. I am not sure exactly what you would take  
16          from that, but I do not think you can say it is obvious  
17          that what you should take is 2008/09. You could take an  
18          average, or you could take one of the earlier years.

19          MR RIDYARD: What about Mr Duckworth's point about BT  
20          projecting 5% improvements in efficiency in the years  
21          from 2008/09 onwards?

22          DR JENKINS: I think I would need to refresh my memory on  
23          exactly what those documents said about -- because that  
24          can be in a sense per unit improvements, but the actual  
25          amount that is being spent is more. Not just

1 necessarily because there are more customers, but also  
2 because the actual quality and the level of service is  
3 increasing. So during the next period, one of the  
4 things that BT did was, I think they called it  
5 rightshoring, which was bring a lot of their customer  
6 care back into UK-based call centres, which was seen as  
7 a way of managing better their customer service  
8 outcomes.

9 Now, I would have to have a look to understand was  
10 that at plus 5% on that, or within the context of making  
11 a shift you then want 5%. As I say, I think my findings  
12 are that overall during this period, like the period  
13 between 2012/13 and 2015/16, the BT Consumer SG&A did  
14 increase over this period. I think that is {E/18/133}.  
15 So the bottom line of the first paragraph, first  
16 fragmentary paragraph. 5.76 is the paragraph number.

17 So I think the cost transformation plans were  
18 referring to the whole of BT Retail, which includes more  
19 than just the consumer business, and that for the  
20 consumer business itself, the actual data provided by BT  
21 shows that the indirect costs, the SG&A element of that  
22 in particular, were increasing over this period.

23 As I said, I do not think that is put down to  
24 inefficiency on BT's part, but the fact that they --  
25 these are the costs they needed to incur to compete for



1 the business of customers.

2 MR RIDYARD: Okay. The number of Voice customers certainly  
3 fell, did it not, in this period? Because on your chart  
4 we were looking at earlier, we were looking at  
5 14.5 million Voice lines.

6 DR JENKINS: Yes, I think we know that BT's overall Voice  
7 lines declined throughout the period. Voice, however  
8 sold throughout the period, is declining, and what BT is  
9 doing through that time is seeking to invest, to retain  
10 those customer relationships. Once they are allowed to  
11 bundle, that is a very important factor in their  
12 competitive offering to their Voice customers, it is  
13 encouraging them to take multiple services with them,  
14 which they are successful at encouraging that, but yet  
15 they still are losing customers throughout this period  
16 both from -- that is both on -- Standalone Fixed Voice  
17 customers are leaving them, and also -- sorry, their  
18 Standalone Fixed Voice customers leave them and go to  
19 other Standalone Fixed Voice suppliers, and also to  
20 bundles supplied by other rivals. Then many of those  
21 Voice line customers stay with them, remain in their  
22 Voice business, but are also taking multiple services  
23 from them.

24 So you just have to keep in mind, whenever you look  
25 at a number: is that Voice, however sold, or are we

1 looking at SFV only?

2 MR RIDYARD: Yes. But it is still quite striking, shall we  
3 say, that the SG&A total costs were going gradually,  
4 steadily up when the number of customers was going down.

5 DR JENKINS: Yes, they --

6 MR RIDYARD: Or are those are the facts --

7 DR JENKINS: I think that is the facts in a market. I am  
8 sure BT would have been very happy if it did not have to  
9 look after its customers and market and design products  
10 for its customers, and implement and improve their  
11 service offerings. However, it is operating in  
12 a competitive market and its costs are increasing over  
13 this period.

14 MR RIDYARD: Okay.

15 DR JENKINS: These are nominal.

16 MR RIDYARD: Yes, okay. Let us move on to the question  
17 of --

18 MR DUCKWORTH: Sorry. Yes, I mean, SG&A costs did increase  
19 considerably, 600 million to 782 million. At the same  
20 time BT went from a business offering broadband and  
21 Voice to a business offering broadband and vVoice and  
22 television services. It is not surprising if you  
23 introduce a new product line, I think Mr Matthew talks  
24 about a funfair in the car park of a supermarket. You  
25 know, value incurs extra costs. Launching a TV business

1 requires significant extra costs. The fact that  
2 BT Consumer's SG&A goes up in a period where it is  
3 adding a new service line is not at all surprising. It  
4 does not tell you anything about --

5 MR RIDYARD: It goes to cost causality and --

6 MR DUCKWORTH: Yes, the cost of serving the existing legacy  
7 base, just because you build a funfair in your car park,  
8 does not mean the costs of the supermarket goes up.

9 DR JENKINS: I do not disagree with that. Indeed, that is  
10 why a lot of those SG&A costs are denoted as common in  
11 the approach I take.

12 But I think the question we are looking at here is  
13 whether you can extrapolate from 2008/09 on the basis of  
14 a CPI and will that accurately capture what is likely to  
15 be the relevant costs.

16 MR RIDYARD: That was my next question, actually.

17 Dr Jenkins put it so well.

18 Mr Duckworth.

19 MR DUCKWORTH: Can I just go back to the kind of the chart  
20 of the RFS and the earlier years. Clearly one of the  
21 big changes in the market in 2005 was BT gave a set of  
22 commitments creating Openreach, and we have had a lot of  
23 discussion about the competition from local loop  
24 unbundling providers, and that was effectively all  
25 driven by the Openreach separation.

1           It is not surprising in a world where BT faces  
2           increasing competition and structural changes that  
3           during that period the costs of serving Voice customers  
4           may have increased. As Dr Jenkins says, facing  
5           competition you need to invest in providing a better  
6           quality of service than perhaps when you do not face  
7           that competition. So some upward increases in costs  
8           during the period where true competition based on local  
9           loop unbundling is being introduced is not surprising,  
10          but from 2006/7 onwards you see quite a significant  
11          reduction in costs in the period.

12           Then moving to your question. Is taking 2009 and  
13          projecting it forwards by CPI an appropriate approach?  
14          If I had access to detailed costing information from BT  
15          and sufficient operational information on the drivers of  
16          those costs, then I would much prefer to use actual  
17          costs as incurred and allocate them on a sensible basis.

18           Looking at the cost categories that Dr Jenkins put  
19          in her Table 1 this morning, in my opinion it is just  
20          not possible to do that actual cost allocation in a way  
21          which suitably reflects cost causality. So I have to  
22          fall back on very much, for me, a second best, which is  
23          to take a set of costs and an attribution methodology  
24          which I believe is robust, not perfect but robust, based  
25          on BT's own attribution of costs with a fairly detailed

1 methodology, with oversight from Ofcom, with that being  
2 audited, and also oversight from industry, the detailed  
3 attribution methodology is published and people can go  
4 and check whether that attribution methodology is  
5 reasonable.

6 Then projecting it forwards, I have taken what  
7 I believe is a conservative approach. I have said  
8 I have seen there are ongoing cost efficiencies in  
9 indirect costs, as set out by Mr Cackett in the  
10 documentary evidence in terms of the cost transformation  
11 programme, but I have said I am not going to take that  
12 into account, I am going to just look at unit costs  
13 increasing with inflation, and I think that is  
14 conservative, because I think over time productivity  
15 gains would tend to lead to unit costs reducing in real  
16 terms.

17 MR RIDYARD: Were there any telecom-specific cost indicia  
18 that you could have used or you thought about using?

19 MR DUCKWORTH: One of the problems with using  
20 telecom-specific -- so there are the elements of the CPI  
21 which are based on telecoms services, but they are  
22 effectively based on the price of telecoms services, and  
23 I do not think that is a helpful thing to look at, sort  
24 of input price inflation.

25 There are PPIs, producer price indices, for telecoms

1 equipment, but again we are looking at BT Consumer,  
2 which does not really deploy the level of equipment  
3 itself, so I do not think there is a solid input price  
4 index that I could use, rather than CPIs. So I have  
5 used CPIs as a measure of general inflation, rather than  
6 trying to find a measure of specific inflation which is  
7 relevant for the indirect costs that BT incurs.

8 MR RIDYARD: Dr Jenkins, on that specific point, do you  
9 think Mr Duckworth could have done better?

10 DR JENKINS: I think the economy of scale point is  
11 probably -- I mean, it is probably the most important  
12 one to think about, which is that to the extent there  
13 are fixed and common elements in there, that because the  
14 way this is being used is solely to refer to SFV  
15 customers and not the whole Voice increment, you need to  
16 think about how that group has reduced, whether you  
17 would still have some fixed element to that which would  
18 have the result of increasing the average retail costs  
19 to serve those customers, and I think that type of  
20 increase was something that Ofcom also included when it  
21 was thinking about a fully allocated cost approach to  
22 this.

23 That is not captured by using a CPI, a simple CPI.  
24 As I say, the use of a simple CPI is completely  
25 unconnected to the actual indirect costs that were

1           incurred, but that in a sense is -- that is the choice  
2           one would make by choosing to use the 2009 --

3       MR RIDYARD: You say you have not got a better index.

4       DR JENKINS: I have not got a better index.

5       MR RIDYARD: Leaving aside the volume question, the scale of  
6           economy question.

7       DR JENKINS: Yes. I would not recommend a different index  
8           but the CPI is not likely to capture well what actually  
9           happened to indirect costs.

10      MR RIDYARD: Let us talk about the fall in volumes over this  
11           period and why does it matter and how should you try and  
12           deal with that.

13      DR JENKINS: My understanding of Mr Duckworth's approach, so  
14           you will correct me if I am wrong, is that effectively  
15           you take the 2008/09 per customer, amount to serve per  
16           customer, per Voice customer from that number and then  
17           you then look at how many SFV customers -- you then  
18           increase that by CPI. So you are effectively assuming  
19           that it is perfectly scalable, the SFV business from how  
20           it was in 2009 when 14 million Standalone Fixed Voice  
21           customers were being served to wherever you end up in  
22           that process.

23           Now, that might be a reasonable assumption if you  
24           are thinking about Voice overall, however sold, but if  
25           you are looking at just SFV customers, then you need to

1 address the fact that to serve those customers there may  
2 be some fixed costs in terms of marketing, setting up  
3 systems, all of those aspects.

4 So that would not be easy to derive from the RFS  
5 itself but one could use some judgment to make an  
6 adjustment for the types of economies of scale that you  
7 might see.

8 MR RIDYARD: Okay, Mr Duckworth, on that.

9 MR DUCKWORTH: So I think we have to be careful when  
10 thinking about economies of scale and fixed costs. So  
11 there are different levels of fixed costs. There is  
12 a fixed cost at a level of BT Consumer potentially,  
13 a fixed and common cost across all services of  
14 BT Consumer and over this period whilst the number of  
15 Voice lines for BT Consumer as a whole was falling there  
16 was an increase in the number of broadband lines, there  
17 was the introduction of this new line of business in  
18 terms of television and later on a significant number of  
19 standalone TV customers. There was eventually the  
20 merger with EE which was also brought into BT Consumer.

21 So looking at BT Consumer fixed and common costs it  
22 is not clear whether there was actually a reduction in  
23 demand overall because, yes, there was a reduction in  
24 Voice lines but there was an increase in broadband  
25 lines, in TV customers and eventually bringing on sort



1 of EE's mobile customers and a vast number of EE's  
2 mobile customers.

3 To go down to the next level, are there fixed costs  
4 which are related to Voice only? Potentially there is  
5 some fixed cost related to Voice only and as the overall  
6 number of Voice lines come down to a degree that there  
7 is fixed cost which is Voice only, yes, that will kind  
8 of result in a kind of diseconomy of scale. Whether  
9 that is -- in my opinion that is probably more than  
10 offset by the efficiency gains over time.

11 Then you get down to the, are there any costs which  
12 are fixed and specific to SFV services? I have seen  
13 kind of no explanation of what those SFV specific costs  
14 would be. BT's case has made great store by the fact  
15 that there is a common Voice set of prices, a common  
16 Voice product delivered to both Standalone Fixed Voice  
17 customers and to the kind of bundle customers. On that  
18 basis, I find it difficult to see what the fixed costs  
19 which relate to SFV customers only would be.

20 MR RIDYARD: So you are saying -- what you are drawing  
21 attention to is a common cost then between the SFVs and  
22 the other Voice customers.

23 MR DUCKWORTH: Yes. I can see that there would be some  
24 costs in managing the Voice service which would be  
25 common to SFV customers and to other Voice customers in

1 bundles as well.

2 MR RIDYARD: So if you were drilling down into cost  
3 causality you would say there was not much cost caused  
4 by SFV customers given that there were other Voice  
5 customers?

6 MR DUCKWORTH: Yes.

7 MR RIDYARD: Or there is an element of cost, anyway. I put  
8 it too extreme there, but there is an element of cost  
9 that is incurred by BT when it has a Voice business and  
10 there is nothing incremental to this particular group of  
11 Voice customers that we happen to be labelling SFV  
12 customers.

13 MR DUCKWORTH: It is probably a question of materiality.  
14 I cannot think of anything that would be a material  
15 fixed cost just for delivering SFV services which would  
16 not be incurred also to deliver Voice services to Dual  
17 Play customers.

18 MR RIDYARD: So that would be a common cost then, would it  
19 not?

20 MR DUCKWORTH: Yes, it would be common to SFV and --

21 MR RIDYARD: Other Voice. But in all of this we are talking  
22 about the costs of supplying SFV customers.

23 MR DUCKWORTH: Yes.

24 MR RIDYARD: Then you are highlighting an element of common  
25 cost here between SFV and other Voice.

1 MR DUCKWORTH: Yes, exactly. If that was a material cost,  
2 then it would give rise to economies of scale or  
3 diseconomies of scale as volumes were reducing.

4 MR RIDYARD: It is an economy of scope, is it not, in  
5 between SFVs and other Voice?

6 MR DUCKWORTH: Yes, I mean, depending on how you define it,  
7 whether you define it as, "I have got to recover that  
8 cost across all Voice lines", so it is potentially  
9 an economy of scale but if you are saying, "yes, it is  
10 surveying two groups of customers, one of which was  
11 buying Voice only and one buying Dual Play" then it is  
12 an economy of scale.

13 MR RIDYARD: Yes. Dr Jenkins, is there anything you want to  
14 add there or identify?

15 DR JENKINS: Yes, I think the complexities that we find  
16 ourselves in are about the situation, abstracting in  
17 some sense from the realities of the situation which is  
18 the fact that what BT was doing was providing a range of  
19 communication options and Voice services and other  
20 services to the same group of customers.

21 So this idea that well, these are SFV customers,  
22 well they are actually Voice customers. They look like  
23 Voice customers. The pricing is the same. They are  
24 encouraging across the board. What BT is seeking to do  
25 is offer appropriate and attractive services to its

1 customer base, so on the Voice service element it is  
2 innovating and improving customer service and adding new  
3 add-ons in terms of Voice services. It is also adding  
4 other products, the TV, the sport, which is their  
5 strategy. It is clearly linked to encouraging people to  
6 take their broadband and those content services all from  
7 BT.

8 Now, that latter group are also an important part of  
9 the Voice customers. So I think this conversation just  
10 underlines the fact that there are a lot of costs that  
11 are about attracting and being attracted to their  
12 customer base. It is quite hard to separate out SFV  
13 from the other customers in the different ways you think  
14 about this, and particularly the idea of an increment  
15 which is SFV versus an increment which is Voice can be  
16 quite difficult to delineate, especially because of the  
17 way BT organised itself which was to think of all Voice  
18 customers as one group.

19 MR RIDYARD: I can see that argument. What I have not quite  
20 figured out is where --

21 DR JENKINS: I think it will come up in the SAC combi  
22 because where I have wide combinations this is part of  
23 the lines error. That is one of the places it will come  
24 up. It may also be relevant in other places but we will  
25 see.

1 MR RIDYARD: Okay, let us think about that. We should  
2 perhaps take a break there. Yes.

3 THE CHAIRMAN: Thank you.

4 (3.13 pm)

5 (A short break)

6 (3.27 pm)

7 MR RIDYARD: I just want to come back on changing -- on  
8 volume, and what impact volume has on these cost  
9 estimates. Because looking at 2008/09 on Dr Jenkins'  
10 chart, we were looking at somewhere between 14 million  
11 and 15 million Voice lines in that year. Then in the  
12 claim period, Voice lines are kind of around the 9  
13 million or 10 million number, from what I remember, and  
14 then of course the SFV numbers are -- it is also  
15 a moving target, as we know, but it is much smaller than  
16 that.

17 DR JENKINS: Yes, SFV is around 2.8 million/3 million at the  
18 beginning of the period. It falls -- obviously by the  
19 end of the period SPCs are 0.3 million, but you do have  
20 VOCs there, but they are not part of the claim, they are  
21 benefiting from the commitments.

22 MR RIDYARD: Yes, understood. So that gives us a sort of  
23 overview of volume numbers. So how does that -- let us  
24 take that in stages then. If we were just looking at  
25 Voice customers as a whole, the difference between the

1           14 million and, let us say, the 10 million, how would we  
2           expect that to affect costs?

3           Mr Duckworth?

4           MR DUCKWORTH: I think here we are kind of focusing on unit  
5           costs, because I project forwards based on unit costs.  
6           The critical question is the degree to which there are  
7           fixed and common costs which are specific to Voice  
8           services. I accept there will be some fixed and common  
9           costs. I do not think they are significant enough to  
10          outweigh the impact of efficiency gains over time.

11          MR RIDYARD: But what is the basis for that belief?

12          MR DUCKWORTH: If there were large fixed and common costs  
13          for retail Voice services, that would form a barrier to  
14          entry. If you had to incur, as Dr Jenkins has,  
15          a quarter of a million -- sorry, a quarter of a billion  
16          pounds in fixed costs in order to deliver any services,  
17          then you would not see lots of relatively small players  
18          entering the market for Voice services, and we see the  
19          Post Office was a relatively small player entering the  
20          market. I think that leads you to conclude that there  
21          were not huge fixed and common costs from delivering  
22          Voice services.

23          MR RIDYARD: Yes, but the other entrants have not entered  
24          into Voice only, have they, they have entered into the  
25          bundles market. The Post Office does seem to have

1 focused --

2 MR DUCKWORTH: Other providers provided -- Sky provided

3 Voice only services, SSE provided Voice only services.

4 MR RIDYARD: But on the back of a broader business, though.

5 MR DUCKWORTH: That is true, but if we are talking about

6 sort of fixed and common costs for SFV services, they

7 were able to deploy -- sorry, fixed costs for SFV

8 services. They were able to deploy SFV services on the

9 back of a Dual Play business, which suggests there are

10 not significant fixed costs for SFV services alone, even

11 in terms of --

12 MR RIDYARD: Sorry, I have not got on to SFV yet. I am

13 still just on the difference between the 14 million and

14 the 10 million, so this is Voice in general, before we

15 get on to the SFV question, because I think that is

16 a separate question which may or may not have

17 a different answer.

18 But you said it depends on how important fixed and

19 common costs are. But is it not just a fixed cost

20 question?

21 MR DUCKWORTH: Fixed cost, yes. Fixed and common if we are

22 looking at SFV and Dual Play as a separate increment,

23 but fixed if --

24 MR RIDYARD: Yes.

25 MR DUCKWORTH: -- across the two.

1 MR RIDYARD: Dr Jenkins, can you help us out on this puzzle?

2 DR JENKINS: You mean can I tell you what the adjustment  
3 should be?

4 MR RIDYARD: Well, if you can do that, that is great, but if  
5 you can talk around it in a way which helps us, that  
6 would also work.

7 DR JENKINS: I can do that.

8 I think we are in quite a hypothetical situation  
9 here, because the premise we are taking is that the  
10 costs as at 2008/09 are for time in memorial the right  
11 set of costs to serve Voice customers. Then we ask the  
12 question: okay, now this is the right set of costs for  
13 14 million customers, how would it change if it became  
14 10 million?

15 Now, I do think there are some fixed elements of the  
16 cost base that would have been identified, such that  
17 they are unlikely to be fully scalable in terms of the  
18 billing systems, the customer service approach that you  
19 take, the central office costs, all of those things, so  
20 there will be some elements such that you do not get  
21 full scalability.

22 Then the other part of it is the fact that BT is in  
23 a competitive environment. So your first premise, which  
24 is they can just do nothing to their current offering  
25 and just keep going exactly the same, and that will be



1 sufficient to service these SFV customers because  
2 nothing happens to them, that also -- I do not think  
3 that is correct either.

4 Now, that one you would potentially have to look at.  
5 Okay, what did they invest in? How much did SG&A costs  
6 increase? Can we attribute some of that to the Voice  
7 base or the SFV base? Depending on which increment you  
8 are thinking about.

9 MR RIDYARD: If we look down to the SFV group in particular,  
10 which is much, much smaller than these numbers, what are  
11 the relevant considerations there? Why should the  
12 answer for SFV be different to the answer for Voice in  
13 general?

14 DR JENKINS: (Pause). So possibly the answer between SFV  
15 and Voice is not different, but what you have to then  
16 recognise is that the Voice customers that are actually  
17 also purchasing bundled services, and BT's strategic  
18 planning and the cost base that it is incurring, not the  
19 direct costs but the indirect costs which are about  
20 being able to offer multiple services to customers, is  
21 as relevant to the SFV customer base as it is to the  
22 rest of the Voice base.

23 Now, actually that is my position, that you should  
24 think about it like that, because actually there is not  
25 a lot to differentiate between those SFV customers and

1           those Voice customers when they purchase these products  
2           in a bundle, because many of them who started -- well,  
3           going back to the 14 million, you know, those people  
4           have not disappeared, they have become bundle customers,  
5           right. So you can see this whole area is one where what  
6           people are using their line for is changing over time,  
7           so whereas at the beginning, at these early periods that  
8           we are looking at here, it is predominantly Voice, but  
9           by the end of the period the line is being used for  
10          a wide range of services.

11           If you do that, then you see the SFV element as just  
12          the Voice element, and there are a lot of common costs,  
13          and there is a lot of flexibility as to how you might  
14          recover those. That includes the fact that the price  
15          for Voice might reflect the change in use, the reduction  
16          in Voice, the desire to ensure that people have the  
17          incentive to upsell, so that means that the first price  
18          is higher and the increment is lower. Those all become  
19          very relevant to thinking about price, and they match  
20          into the cost story by reflecting that there is a range  
21          of common costs across all Voice customers and the rest  
22          of BT's business because of its strategic approach.

23          MR RIDYARD: Specifically the -- let me just go back to my  
24          question about the impact on volume, because we have  
25          got -- let us say we have got some good data in 2008

1           which tell us that the cost per customer of Voice is  
2           £100, and then we want to say, quite a few years later,  
3           we have only got 10 million customers, not 14 million,  
4           so is there a reason on that decline in volume alone why  
5           the number of £100 is not going to be realistic? The  
6           economies of scale argument would say, no, you cannot  
7           just assume that you can achieve costs of £100 if you  
8           have lost whatever that is, almost a third of your  
9           volumes.

10         DR JENKINS: Yes, I mean, you could, in the spirit of being  
11           more helpful than perhaps my last answer was, if you  
12           look at Table 4 that was handed up this morning, which  
13           gives you -- now obviously these numbers are disputed,  
14           but there are some proportions of common costs, total  
15           costs, that are somewhere between 7% and, say, 13/14%.  
16           You could do some back of the envelope assessments which  
17           say, okay, now imagine that 10-20% of those costs are  
18           fixed in some way or common in some way, then what would  
19           the implication be for a -- how much would be the  
20           average cost rise were you to assume that 10% of the  
21           £100, as your starting position, is actually fixed and  
22           common and for a third reduction, and that would --  
23           I could work that out if you gave me a couple of  
24           minutes. I could do it right now. Not in my head.

25         MR RIDYARD: We can think about that.

1 DR JENKINS: So you could use some rules of thumb around  
2 that. As I said, that is also predicated on the fact  
3 that the £100 does not change, and there is no reason to  
4 think that the base cost has not increased in response  
5 to competitive pressures, which I think, as Mr Duckworth  
6 said, you can see even in the chart I showed you that  
7 competitor pressures do lead to increases in indirect  
8 cost.

9 MR PARKER: Mr Ridyard?

10 MR RIDYARD: Yes, please.

11 MR PARKER: I think we might be able to shed some light on  
12 this by looking at Table 2 of Mr Duckworth's report, on  
13 which I relied, which is on page 40 of the report.  
14 {IR-E/7/40}. So SSE is a provider, I will not read the  
15 numbers out, but it is a provider of Voice and broadband  
16 services. That is its total cost. It is clearly able  
17 to operate in the market at a very substantially reduced  
18 scale compared to BT, whose total costs are £4 billion.  
19 It seem to me -- and there is a chart from the previous  
20 table about the Post Office which has total costs of  
21 about £140 million.

22 So if there are people who are able to operate, and  
23 this is in the broader retail telecoms perspective, at a  
24 considerably reduced scale compared to BT, that suggests  
25 to me that the difference between 14 million lines and

1           10 million lines is not going to be very significant,  
2           given that there are people able to operate in the  
3           market at very much reduced levels of operation. So if  
4           there are large economies of scale, I do not see how  
5           these people would be able to survive.

6           MR RIDYARD: Yes. Is there any implication in the fact  
7           that -- I mean, the Post Office has gone into this  
8           presumably as a sideline to its other activities. There  
9           is a sort of scope economy thing there. Whereas SSE,  
10          and presumably that is the energy company, is it?

11          MR PARKER: Yes.

12          MR RIDYARD: So it would also have ... I do not know, but do  
13          we know whether it was a standalone telecoms operation  
14          or was it something that was able to benefit from the  
15          ...

16          MR PARKER: I am sure everyone has some economies of scope  
17          with the other parts of the business. BT is facing  
18          competition from multi-product firms, but this suggests  
19          that you do not need a large -- if your worry, or if  
20          your issue is about what is the level of fixed and  
21          common costs within a retail telco service or within the  
22          Voice part of that retail telco service, this is not  
23          suggesting -- it is suggesting that you can operate at  
24          quite small scales and still remain competitive.

25          MR RIDYARD: Yes, okay.

1 MR DUCKWORTH: If you take it one level up, broader  
2 economies of scope across a business, well, BT Consumer  
3 has economies of scope across television and now DE, so  
4 that is not a reason to expect that kind of unit cost  
5 for Voice services only would increase over time because  
6 it lacks -- BT is losing -- BT losing economies of scope  
7 over time. In fact BT is, as Dr Jenkins says,  
8 increasing the number of products it offers to  
9 customers, and so you would see almost an increase in  
10 economies of scope over time.

11 MR RIDYARD: Economies of scope. Okay, that is useful.

12 Before -- we are going to move on then to  
13 Dr Jenkins' approach on standalone costs and its  
14 variants. Before we do that, is there anything that we  
15 have -- that has been important that should be said  
16 about Mr Duckworth's reliance on the 2009 figures  
17 approach?

18 Dr Jenkins, Mr Matthew, have you got any ...

19 MR MATTHEW: Very briefly, because I have not looked into  
20 this in detail, but the sheer scale of the change,  
21 simply registered as the idea that you can necessarily  
22 track forward over quite long time periods with large  
23 changes and everything else that is going on, to me  
24 immediately comes with a very large health warning.  
25 There was a comment about my funfair at the front of the

1 supermarket not affecting costs, which misreads the  
2 example. The point about putting a funfair in front of  
3 your supermarket, if anybody has actually done that --  
4 they did it at great cost, I think, judging by driving  
5 past on the North Circular -- is to attract more people.  
6 So that is part of the parcel you are making, you are  
7 just doing it in a different way, and those costs should  
8 be included in the way you are approaching it.

9 Specifically on the points you have been discussing  
10 about costs across retail telecom services generally,  
11 just to emphasise I do agree with the implication that  
12 Sky, TalkTalk, Vodafone and others who are building  
13 retail telecoms or (inaudible) businesses plainly do  
14 have the same economies of scale across their business  
15 that BT has.

16 But in the case, just going to the example on the  
17 Post Office and other very small suppliers, that is  
18 usually because (a) they are operating at a very small  
19 scale, so you cannot necessarily assume it tracks up to  
20 compare to BT. But also to note that I agree with you,  
21 as I said in my report, that especially something like  
22 the Post Office is basically targeting a group where its  
23 other business has a large synergy, so it is just  
24 a different type of common cost, if you like, floating  
25 around there somewhere, and if you were to try and work

1 out the standalone costs of the Post Office building  
2 that business without the advantage of being able to  
3 stick it in their Post Office counters, that would  
4 suddenly look like a different number to the one you  
5 have here.

6 MR RIDYARD: Yes, I can see that.

7 Mr Duckworth, any last comments on the 2009 exercise  
8 and its reliability and usefulness?

9 MR DUCKWORTH: I just think overall, in terms of projecting  
10 forwards, we have talked about some reasons why  
11 projecting forwards based on the CPI will be  
12 conservative, if you assume that there is some  
13 efficiency gains over time; some reasons why it may  
14 underestimate price increases, the kind of economies of  
15 scale point. I think Dr Jenkins talks about sort of  
16 quality improvements. Some of those quality  
17 improvements flow through into direct costs. So there  
18 were costs associated with fixing faults more quickly,  
19 and that was a quality improvement which was reflected  
20 in the direct costs which I do include in my benchmark.

21 The onshoring costs are a sort of increase in  
22 quality, which I accept, which is reflected in an  
23 increase in indirect costs, and I have not captured  
24 that.

25 But overall, I think my opinion remains that taking



1 the 2009 figure and projecting forwards on CPI, taking  
2 account of all those factors, some of which suggest that  
3 CPI is conservative, but others kind of offsetting that  
4 impact, that efficiency impact, I think it is still  
5 a robust benchmark.

6 MR RIDYARD: Okay. Right. So let us move on to then  
7 comparing it with BT's experts.

8 Dr Jenkins, the first -- I know we have touched on  
9 this already when we asked you to give an overview of  
10 common costs, but compared to what we have just heard  
11 about the exercise that BT did in 2009, can you say  
12 something more about the judgments you have made when  
13 you have -- in the various tables that you have already  
14 referred to today, where you have had a go at trying to  
15 identify which are common costs and which are not. Can  
16 we have a bit more of the detail on how those judgments  
17 have been made and how we can evaluate the  
18 reasonableness of them.

19 DR JENKINS: Yes. So maybe it is helpful to pull up  
20 {OR-H/204/1} again. Next page, {OR-H/204/2}.

21 So perhaps if we start again with this first table  
22 which summarises the material that was in my first  
23 report at Annex 7. As I said, the first step for me in  
24 terms of implementing a standalone cost combinatorial  
25 approach was to get an estimate of common costs for

1 BT Consumer, common costs that relate to the SFV  
2 services.

3 So the approach I took, and how it compares with, as  
4 I understand, the RFS approach, would be the RFS  
5 approach would take the £308 million for total SG&A pay,  
6 including commissions, and would probably have a lot  
7 more detail about that than is now available to us for  
8 whatever the number was in 2009, and would then fully  
9 allocate that actually to a range of different services,  
10 and that might be done on a headcount basis or customer  
11 number basis or value basis, I think all those -- or an  
12 EPMU basis. All of those four types of allocators were  
13 used. As Mr Duckworth said, it could have been first  
14 allocate to product, and then within product use another  
15 allocator. So that would be a mix of incremental and  
16 common elements of that cost.

17 The approach I took is different in that I say, all  
18 right, I am going to get a general estimate of the split  
19 of these indirect costs into the component that can be  
20 considered incremental and, hence, can then be allocated  
21 in some way across the different products of interest,  
22 and then the residual, which I judge to be common.

23 Having identified the amount that was incremental,  
24 I then allocated that on an EPMU basis across the  
25 different products, and that is how I determined

1 indirect incremental costs.

2 Now, the reason I did it that way was if you do that  
3 on an equi-proportionate mark-up, EPMU, that means you  
4 allocate the incremental costs according to the ratio of  
5 direct costs, and that means the bundles category is  
6 going to attract the bulk of those incremental costs  
7 because they have the bulk of the direct costs. So for  
8 my purposes I considered that would be conservative,  
9 because I start by saying: of the incremental costs, the  
10 bulk of them get allocated to bundles.

11 Now, it could be there are other -- if there were an  
12 RFS approach and if it had done it like this, you would  
13 potentially be able to do something different, but that  
14 is not available to us. So that is how I dealt with the  
15 indirect incremental costs.

16 What this table then shows you is only the common  
17 cost element that is left. I have not reported the --  
18 and we can go to one of the other tables to see how the  
19 split goes. But as you see, for my baseline, for that  
20 first category 20% has been allocated to common costs.  
21 In the "Low" category it is only 5% of the costs that  
22 has been allocated to common costs in my "Low" category,  
23 so only £15 million of that £308 million have  
24 I allocated to common, and that is because pay headcount  
25 can generally be allocated through some causal driver as

1 an incremental element. That is why I have picked "Low"  
2 for that type of category.

3 MR RIDYARD: In a sense, you could allocate it to one  
4 service rather than another. So you can presumably find  
5 out if those people are working in the TV business or in  
6 the broadband business or the Voice business?

7 DR JENKINS: So ultimately, I -- because of the question of  
8 interest here, I have split the services as SFV  
9 services, and bundles, which includes all of the  
10 broadband, the TV, the sport, because saying all of  
11 those, even though they can -- and also the Voice  
12 element that is sold in a bundle, that is the  
13 buy-through for the bundle. So it is assuming here that  
14 all the direct costs of that are attributed to the  
15 bundles category. Then any incremental costs around  
16 headcount are attributed on the basis of that direct  
17 cost ratio to the bundles category.

18 So I do not have any information on how many people  
19 work in each of these, but by using --

20 MR RIDYARD: A better way of putting my question would have  
21 been to say: at some level you have reached a view that  
22 the number of people you employ in this category depends  
23 on the number of customers?

24 DR JENKINS: Depends on ... I think what I am saying is  
25 headcount is generally incremental to services, actually

1 to services, whether it is -- I have not done it on  
2 a customer basis, I have done it on an EPMU basis. But  
3 the first judgment is to say categories that relate to  
4 people are generally not common, because you can flex  
5 the number of people. So this category is given a "Low"  
6 rating, because there will be some central people, but  
7 further down where you have got the subcontract costs,  
8 which are people costs, onshore/offshore, I have put  
9 those as "No common costs", because you just assume they  
10 are related to specific needs so they will be treated as  
11 incremental costs.

12 MR RIDYARD: Let us look at a category where you have gone  
13 for a much higher view on common costs.

14 DR JENKINS: Yes, so that is the "Fixed Recharge" and "Net  
15 Internals" categories, so those are the ones that have  
16 a big weight, and those are the ones which are the  
17 recharges from BT Group for the general services that  
18 are provided to BT Consumer in terms of accommodation,  
19 for buildings, HR, legal, energy and head office costs,  
20 those types of recharges, and those are recharged to  
21 BT Consumer by the central system.

22 THE CHAIRMAN: Can I just ask a clarification, just when you  
23 are on that. I am being a bit slow, but to take your  
24 £160 million figure, that is the total recharges to  
25 BT Consumer.

1 DR JENKINS: Yes.

2 THE CHAIRMAN: The £140 million, is that meant to be  
3 a proportion of those recharges that you attribute to  
4 SFV?

5 DR JENKINS: No, that can be considered to be common across  
6 all the services. So I am saying, of those, there will  
7 be £56 million that is allocable. There will be some  
8 causality there between what central office does for the  
9 BT Consumer. I actually have no information on that  
10 unfortunately, so I am not able to do that, to do the  
11 actual thing, but I have not assumed that 100% of the  
12 recharges are common, I have made that adjustment.

13 THE CHAIRMAN: But then -- and we will come on to it no  
14 doubt -- but then what you have got is £56 million that  
15 you take to be incremental costs --

16 DR JENKINS: Yes.

17 THE CHAIRMAN: -- across the whole of Consumer.

18 DR JENKINS: Yes.

19 THE CHAIRMAN: Then you have to do something with them later  
20 on to get it down to SFV.

21 DR JENKINS: Yes. So for those ones, that £56 million, that  
22 is where I allocate it according to the proportion of  
23 direct costs.

24 THE CHAIRMAN: Because we do not see that in this particular  
25 table. Because you mentioned that the effect of the way

1 in which you allocated the incremental costs, because it  
2 would be EPMU, would mean that most of them would fall  
3 on the bundles because of the direct costs because the  
4 number of customers is higher.

5 DR JENKINS: Yes, that is correct.

6 MR RIDYARD: But also because the cost -- yes, because the  
7 costs as a proportion of revenue are much higher too,  
8 are they not?

9 DR JENKINS: Yes, but I did it on the direct cost ratio.

10 So then the other category that gets a reasonably  
11 high allocation is the marketing and sales category. It  
12 is low to medium. So that captures that for marketing,  
13 I would say in the next iteration of their internal  
14 reporting BT split out marketing, and I attribute that  
15 to a "Low" category, because a lot of marketing can be  
16 attributed to the specific programme that it is related  
17 to. But there is central marketing, central brand  
18 elements.

19 The other source that I use to help inform this was  
20 the way Ofcom thought about some of these categories in  
21 the VULA margin approach. Ofcom was doing a fully  
22 allocated cost approach there, but just to understand  
23 where they thought categories were fixed and common,  
24 I just wanted to ensure that my assessment aligned at  
25 a reasonable level with the approach Ofcom had taken.

1           So marketing and sales, when it is integrated there,  
2           the marketing element would be "Low", but the sales  
3           category does include, can include, more general sales  
4           function, billing functions, that are common across all  
5           the services that are supplied.

6           MR RIDYARD: The big question that arises from this is why  
7           should we trust this and the judgments you have made  
8           over the admittedly older 2009 judgments that BT has  
9           made when doing an exercise on cost allocation that was  
10          much more detailed?

11          We are sort of, as we have mentioned already, we are  
12          sort of faced with two imperfect options here. We might  
13          like the fact that this is based on current data, but we  
14          might like the fact that the 2009 exercise was audited  
15          and gone into in a great deal of granular detail. So  
16          why should we prefer your approach to BT's approach in  
17          2009?

18          DR JENKINS: I think the approach that I have taken here has  
19          the merit of transparency, so if there are things you  
20          disagree with we can change those. If it was the view  
21          that the judgment should be different or it should all  
22          be "Low" --

23          MR RIDYARD: But we do not know why exactly you have gone  
24          for £57 million on the marketing sales as opposed to £50  
25          million or £62 million. So obviously we can change the



1 numbers, but we do not know -- do we know enough about  
2 why you have chosen the numbers you have chosen when you  
3 have not been able to look into the detailed questions  
4 that would be relevant behind it?

5 DR JENKINS: So as I said, there are a couple of  
6 cross-checks that I have done. So the first cross-check  
7 is the baseline and the "Low" scenario, because the  
8 concern here is really that there is too much that is  
9 common, I guess. That is the concern that is being  
10 levied. So there is a "Low" scenario here, and there is  
11 the cross-check against just taking what are known as  
12 the TSO costs, and when Ofcom was investigating charges  
13 for the VULA case, Ofcom identified that group, which is  
14 a recharge category, and they identified that as clearly  
15 fixed and common and invariant to whether or not  
16 BT Consumer existed.

17 So we do have a sort of independent check on sort of  
18 the extent of BT's costs that can be seen to be common  
19 in its BT Consumer business that relate just to the  
20 fixed element of the TSO costs. So that is another  
21 check which would say, okay, yes, I have used judgment,  
22 but at the end of the day the extent of those common  
23 costs does match with an approach that was taken by  
24 Ofcom in a different context to identify those.

25 MR RIDYARD: Okay. Can I stop you there and then over to,

1 I guess, Mr Duckworth or Mr Parker, if you want to  
2 contribute?

3 MR DUCKWORTH: I will start. I mean, I think you have  
4 identified an issue here, which is that it is very much  
5 dependent on Dr Jenkins' subjective judgment, a sort of  
6 lack of documentary or quantitative evidence to support  
7 that judgment. I note that one of the cross-checks is  
8 the Ofcom VULA decision. As Dr Jenkins said, that was  
9 a fully allocated cost methodology, and so actually  
10 determining whether costs are fixed and common or  
11 incremental did not affect the results of the costing  
12 that Ofcom undertook for that purpose.

13 Dr Jenkins also says that TSO costs are invariant  
14 and sort of clearly fixed and common. I think if we  
15 turn up {OR-F/505/8}. So this is a slide produced by BT  
16 itself, looking at a view of costs for SFV services, so  
17 Solus Voice customers, for engagement with Ofcom. If  
18 you look at the line which says "TSO Direct, Indirect &  
19 Fixed costs", it says:

20 "Significant downweight - Proportion of number of  
21 products [circa] 3-4%."

22 Suggesting that BT itself thought that these TSO  
23 costs were not all sort of relevant to service Voice or  
24 SFV customers, and downweighted the proportion of costs  
25 allocated to SFV customers to reflect the fact that they

1 were not fixed and common across SFV services.

2 There is an underlying spreadsheet which I have seen  
3 which actually allocates only 20% of this TSO cost to  
4 SFV services.

5 Similarly, on "Total marketing and sales costs", it  
6 says "Significant downweight", again suggesting that BT  
7 itself did not think all of the marketing and sales  
8 costs were fixed and common to Solus Voice or SFV  
9 customers.

10 So here we have an example of BT internally saying  
11 TSO costs are not completely invariant. Whilst Ofcom  
12 may have reached a view -- I think Ofcom suffers from  
13 sort of the same information asymmetry that myself and  
14 Dr Jenkins suffered from, that we do not know exactly  
15 what is in this TSO direct group, but potentially  
16 Dr Jenkins talks about accommodation, energy, HR, all of  
17 those costs seem to me to be costs which are to some  
18 degree variable. Accommodation, you can close down  
19 buildings over time. BT has moved out of 81 Newgate  
20 Street, the old BT centre, into a new office building.  
21 Energy costs are clearly something that vary.

22 MR RIDYARD: The building costs can vary, clearly, but can  
23 they be expected to vary in relation to what?

24 MR DUCKWORTH: I think the headcount, for example. If you  
25 have fewer staff you need less office space, and BT at

1 the moment is announcing that it is going to shed 55,000  
2 people. These costs are variable over the long-run, and  
3 that is the --

4 MR RIDYARD: I understand it is possible for companies to  
5 reduce headcount, but do you not have to be saying that  
6 you reduce headcount because the number of SFV customers  
7 is changing, as opposed to --

8 MR DUCKWORTH: There is kind of indirect causality there,  
9 but the number of customers change, the number of  
10 customer support staff change, then you have fewer  
11 people working in call centres, you need less office  
12 space.

13 MR RIDYARD: No, once you are there. But there has to be  
14 the trigger to this, does there not? There has to be  
15 a belief that changing the volume of the customers that  
16 we are looking at on this increment --

17 MR DUCKWORTH: Exactly.

18 MR RIDYARD: Just on this table you have taken us to, when  
19 it says:

20 "... Proportion of number of products [about] 3-4%."

21 What is that referring to?

22 MR DUCKWORTH: It is not entirely clear, because this is ...

23 MR RIDYARD: It is not at all clear to me.

24 MR DUCKWORTH: But my interpretation of that would be that  
25 Solus Voice is a small proportion of the products

1 delivered by BT Consumer overall, and particularly on  
2 sort of things like product development, if a small  
3 proportion of the product is delivered then you need  
4 a smaller proportion of, say, delivery costs associated  
5 with that.

6 But, yes, it is all quite unclear. What I am saying  
7 is that here is a piece of information from BT  
8 internally which is saying something which seems  
9 different from Dr Jenkins' assumption or Ofcom's  
10 assumption.

11 MR RIDYARD: Is this particular document helpful in  
12 contradicting or confirming your approach?

13 DR JENKINS: I think what this document is doing is  
14 allocating all the indirect costs, which BT does do from  
15 time to time. It does not actually tell you whether or  
16 not they are common or not, and it is one particular  
17 allocation. I think -- I mean, in a second maybe we  
18 will call up what Ofcom said about the TSO fixed  
19 element, but the fact that there are allocations of  
20 these costs, and if that is on number of products, that  
21 is like number of -- it is not customer or revenue but  
22 number of products allocator. It is an alternative  
23 fully allocated cost allocator which does not  
24 necessarily take you terribly far forward if the  
25 Tribunal is trying to decide, well, what would be the

1 cost benchmark?

2 The advantage of having a view on incremental and  
3 common cost is it helps to drive the range of potential  
4 pricing that in a workably competitive market you might  
5 expect to observe. So stepping away from what did BT do  
6 at any given point of time in any given spreadsheet when  
7 they are looking at particular products, the question is  
8 in a sense a more general one, which is: what is the  
9 benchmark, what is the approach to the benchmark that  
10 one should take in an excessive pricing case more  
11 generally?

12 So obviously it is not helpful that we do not  
13 necessarily have all the information that it would be  
14 ideal to have, but for me that is not a reason not to  
15 start with thinking through what is the right approach  
16 to this question, and do the best we can with the  
17 information that is available.

18 MR MATTHEW: Could I add just one point on that theme, which  
19 is obviously the original question was about comparative  
20 to imperfect comparative approaches. When we are going  
21 back to 2009, just to reiterate, that was obviously not  
22 separating out what the common costs were or giving an  
23 idea of how large they were, and while it is true there  
24 would have been an allocation done implicitly as part of  
25 the RFS, that is itself an allocation of common cost.

1           So if you were to put that through an excessive pricing  
2           prism, you would still need to confront, well, what does  
3           that mean now that we are into excessive pricing where  
4           common costs do need to be taken into account in an  
5           ex post environment as opposed to an ex ante one, where,  
6           as I said earlier, the regulators obviously are quite  
7           used to saying, okay, we will do this allocation, that  
8           allocation, accept this, and we will build price caps on  
9           the top of it.

10       MR RIDYARD:   Okay.

11       MR PARKER:   Perhaps I could also offer a thought.   Could we  
12           go back to Table 2 of Mr Duckworth's second report,  
13           which I took you to earlier, which is page {IR-E/7/40}.

14           So Dr Jenkins' contention is that BT's fixed and  
15           common costs across all retail telco services in 2015/16  
16           were £390 million.   In other words, you could not get  
17           out of bed unless you had spent the £390 million,  
18           because that is what you need to start serving retail  
19           telecoms customers at all, and all these costs are  
20           common, in her view, across all the services she set out  
21           earlier, and that is what is in her report.

22           But we can see that SSE, and I will not say the  
23           exact number, but is able to operate at approximately  
24           one-tenth of the scale for its total costs.   So of those  
25           total costs, if they had the same direct versus indirect

1 proportion as BT, about three-quarters of those total  
2 costs are going to be direct, and about one-quarter is  
3 going to be indirect. So if we -- without being able to  
4 say any particular numbers, but we are in low double  
5 figures, shall we say.

6 Then there is a question of, well, what proportion  
7 of those costs are genuinely common across, in that  
8 case, the services that SFV offers as between fixed  
9 price and broadband? Even if we take Dr Jenkins'  
10 proportions as given, which I do not necessarily think  
11 we should, that would get you down to £4 million to  
12 £5 million of generally fixed and common costs.

13 So I think it cannot be right -- Dr Jenkins'  
14 judgments as to what is fixed and common for a retail  
15 telecoms provider just cannot be right. They are not  
16 just wrong but they are miles away.

17 MR RIDYARD: I can see the point you are making about the  
18 distance between them, but does it have to be the same  
19 for every player in the market?

20 MR PARKER: Otherwise they are not fixed, are they? If you  
21 say they are smaller and therefore do not have to incur  
22 so many costs, that just tells you those costs are not  
23 fixed.

24 MR RIDYARD: Could that be down to the choice of how they  
25 have chosen to enter the market? Are there some options



1           which give you higher fixed costs and common costs, but  
2           which nevertheless pay off if you operate on a certain  
3           scale, whereas other people pay as they go?

4       MR PARKER:  If you can pay as you go then they are variable,  
5           so they are not fixed.  If you genuinely thought they  
6           were fixed and common across all the services, however  
7           you did it, you would have to incur these costs before  
8           you start.  So if it is right that you have to incur  
9           £390 million of costs before you offer any of these  
10          services, then SSE should not be operating -- you can  
11          see the same thing for Post Office, you can see the same  
12          thing for Plusnet.

13       MR RIDYARD:  Okay, it is a nice interesting point.

14                 Dr Jenkins?

15       DR JENKINS:  Yes, I would say it should read "BT Consumer  
16          Fixed and Common costs", rather than "BT SFV Services  
17          Fixed and Common costs".  So that is what the exercise  
18          has identified, is the common costs of BT Consumer.  
19          Then there is a question about, well, what -- how has  
20          SSE determined this?  Their note says it is direct  
21          costs, indirect costs and recharged costs.  So we know  
22          SSE has its own very active household business serving  
23          energy products at least, as well as potentially other  
24          products.  So in their recharging, has that accurately  
25          assessed what the actual common costs are for

1 a household utility business that is relevant? Then you  
2 have got the scale of SSE's venture into fixed Voice and  
3 broadband is of a different scale to that of BT and  
4 others.

5 So if what we are interested in here is how did BT  
6 actually think about running this business, and how did  
7 it think about its pricing in order to be able to judge  
8 whether or not that is excessive or not, I do think it  
9 is relevant to look at what BT's own indirect costs were  
10 and how those can be thought of between being  
11 incremental and fixed and common at the scale that BT  
12 is.

13 MR RIDYARD: The point Mr Parker is making is that if that  
14 is -- if those truly are fixed and common costs, then  
15 they would have to be -- then anyone operating in the  
16 market would have to be incurring similar fixed and  
17 common costs. Do you disagree with that proposition?

18 DR JENKINS: Yes, that to offer the range of services that  
19 BT was offering, then they would need to have that sort  
20 of scale of fixed and common costs. The question is if  
21 we look at SSE's total costs for its overall business,  
22 like you are very dependent on the way it may have  
23 allocated its own costs to that business line --

24 MR RIDYARD: So you do not believe this is a like for like  
25 comparison.

1 DR JENKINS: I think it is very hard to know what is  
2 like-for-like. While that is arguably you could say  
3 that is a nice point, what that means is you should  
4 never see small entrants or that sort of thing, there  
5 could be a minimum efficient scale point as well going  
6 on here, and that does not mean that there are not these  
7 fixed and common costs for BT and that smaller rivals  
8 struggle to compete just on a cost basis, but they have  
9 some other angle that they are seeking to offer and they  
10 are seeking to grow and as they grow you would find that  
11 they actually have a fairly significant fixed and common  
12 costs base akin to BT.

13 MR DUCKWORTH: Can I just try and encapsulate this a bit  
14 because thinking about what we are using these estimates  
15 of fixed and common costs for which is as an input to  
16 the SAC combinatorial approach. Dr Jenkins kind of  
17 defines SAC on {IR-E/17/179}. At the top it says:

18 "Standalone costs are the costs of providing an  
19 individual service on its own, i.e. on a standalone  
20 basis. SAC therefore represents the costs that a single  
21 product firm would need to incur to provide the service  
22 in question."

23 So we are trying to come up with a cost of a single  
24 product firm sort of abstracting from BT Consumer as  
25 a multi-product firm and looking at the fixed and common

1 costs that BT -- that not even the fixed and common  
2 costs, the cost that BT incurs as a multi-service  
3 company. We are saying, what is the cost of a company  
4 just providing a single service? In this case SFV.  
5 Does such a company need to incur, according to  
6 Dr Jenkins' Table 1, £282 million worth of cost per year  
7 and also the indirect incremental and direct costs on  
8 top of that to offer that single product SFV?

9 Is that kind of a reasonable input to calculating  
10 the standalone costs, and I think it is just not.  
11 Dr Jenkins talks about well, it is offering multiple  
12 services and hence it has a fixed cost base. But is  
13 then taking that multiple service fixed cost base and  
14 pushing that into estimates of standalone cost, by  
15 definition an operator which is not providing all of  
16 those services, and you just end up with a result which  
17 just is not credible.

18 THE CHAIRMAN: Sorry, just one moment, if I may.

19 Mr Duckworth, can you just remind me, and it was not  
20 split out between the incremental and the true fixed  
21 costs, but what was BT's figure for 2009 on SFV that was  
22 in its RFS? You can look it up and come back to me.

23 MR DUCKWORTH: I will come back to you on that one.

24 THE CHAIRMAN: I think Mr Matthew as well wants to say  
25 something.

1 MR MATTHEW: Yes, I was just going to comment that those  
2 figures understood as the fixed and common costs of  
3 a scale competitor in retail telecoms services which is  
4 what I understand it is, do not look out of line with  
5 anything. That is BT, Sky, TalkTalk. They have all  
6 built large platforms and in various different ways they  
7 compete for customers off the back of those.

8 MR RIDYARD: But the question is you said scale competitors.  
9 So if you go back to the SSE comparison or indeed the  
10 Post Office comparison, is the point if we look properly  
11 at SSE's business we would find it too had these  
12 monstrous, these large costs to set up its platform or  
13 that there is a different way of doing it which is not  
14 necessarily the same way as the large-scale plan?

15 MR MATTHEW: I think there are two important points here  
16 which I alluded to earlier. First, obviously they have  
17 their own synergies so they have their own common costs  
18 somewhere else which means that their costs are almost  
19 certainly not reflective of their standalone costs of  
20 serving their customers because they are using the  
21 Post Office system to sell them.

22 MR RIDYARD: Let me stop you there. If you are saying they  
23 are common costs then you are saying these numbers are  
24 not their fixed and common costs for providing SFV.

25 MR MATTHEW: Correct. Those costs will be the Post Office

1 or SSE's incremental cost plus some mark-up, presumably  
2 if they are making money and if you were to work out  
3 their standalone costs of selling without the benefit of  
4 the Post Office, you would end up with some very -- just  
5 different numbers because that is why they are in the  
6 business.

7 The second one is a slightly more general  
8 observation that does come up from time to time which is  
9 of course in retail telecoms you can always just pick up  
10 a wholesale service and some of them you have to make  
11 investments to use but some of them not too many and it  
12 is possible to sell to a small number of customers.  
13 I can give you a telecoms service and you get some  
14 slight -- and you do from time to time get some very  
15 small suppliers floating around. That is not uncommon  
16 for retail telecoms, as it happens in other markets as  
17 well.

18 The core market, the bit that actually is selling  
19 the price through conditions of what I would think of as  
20 oligopoly competition, basically drives everything and  
21 then you get some people who come in under the umbrella  
22 and make some sales from time to time, but I do not  
23 think it would be right to use those types of  
24 competitors, which I think is where Mr Duckworth's  
25 analogy was going, to then say, well, that gives me

1 a good idea of what a scale competitor's business model  
2 would be looking at and it is the common and fixed cost  
3 it would be using.

4 That to me says yes, the fact that I can obviously  
5 make a few sales without incurring £390 million to do so  
6 is obvious. That is almost certainly true, but to build  
7 something that is capable of having real weight in the  
8 market is a different proposition, and it does come back  
9 to what we are doing here which is looking at BT's  
10 costs, so kind of start with the BT Business model and  
11 try and make sense of that.

12 MR RIDYARD: Okay, thank you.

13 THE CHAIRMAN: Good, we will halt there, so we will go at  
14 10.30 tomorrow. Mr Matthew, you are the only new  
15 addition to the panel. You have probably been told, do  
16 not discuss your case or the evidence overnight or  
17 indeed until you have finished.

18 Thank you very much. 10.30 tomorrow.

19 (4.27 pm)

20 (The hearing adjourned until Tuesday, 20 February at  
21 10.30 am)

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