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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 29th January – Friday 22nd 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

Respondent

(2) British Telecommunications
PLC

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)

Tuesday, 20 February 2024

(10.30 am)

THE CHAIRMAN: Good morning. Some of you are joining us live stream on our website, so I must start, therefore, 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, and breach of that provision is punishable as contempt of court.

Before we resume with the hot tub questions, we owe you a decision on timing of closing submissions. We have taken into account what each side says, and balancing how long you need to prepare the submissions but also how long we need to read them, and we are going to change it so that they will be due in on Tuesday 12 March at 6 pm.

MS KREISBERGER: I am grateful, sir.

MR BEARD: I am grateful.

THE CHAIRMAN: Thank you.

Yes, we will continue with Mr Ridyard's questions.

MR DAVID PARKER (continued)

MR MARTIN DUCKWORTH (continued)

DR HELEN JENKINS (continued)

1 MR DAVID MATTHEW (continued)

2 Questions by THE TRIBUNAL (continued)

3 MR RIDYARD: Right, so this morning we are moving on to the
4 SAC combinatorial approach which is advanced by
5 Dr Jenkins in her reports.

6 Dr Jenkins, we sort of sketched out yesterday, and
7 I think we are all aware, broadly speaking, what this
8 approach does. It allows a firm, and is designed to
9 allow a firm, flexibility about how it recovers its
10 common costs, but subject to the constraint that it does
11 not over-recover its common costs across all of the
12 products that we are looking at.

13 So we would like to start off with some general
14 questions, which are sort of principle questions, before
15 we get into some of the factual detail. The first one
16 is really if a firm, just in principle, before we --
17 I know we will get on to the detail of BT Sport soon
18 enough. But in general, is a feature of this activity,
19 if a firm is making losses on one of these activities,
20 that this combinatorial approach in effect allows the
21 firm to hide excess profits in another activity because
22 of the losses in the first activity?

23 DR JENKINS: I think it does not allow it to hide excess
24 profits, because one of the combinations that you will
25 always check is the standalone cost of the product of

1 interest. So to the extent that there are direct losses
2 on a product, on another product, that will not feature
3 in the standalone costs estimate for the product of
4 interest. The standalone costs will comprise the
5 incremental cost of the product of interest, the common
6 costs overall, which will not include any allowance for
7 loss, and then there would be an agreed margin.

8 What it will do is potentially allow a higher
9 proportion of common costs to be recovered from that
10 product, but it does not allow the losses to be
11 transferred to that product.

12 MR RIDYARD: Yes, but it does -- it gives extra flexibility
13 on how much of the common cost is recovered on the
14 product in question.

15 DR JENKINS: That is right, it will give some flexibility.

16 MR RIDYARD: Potentially up to the standalone cost level, up
17 to the full recovery.

18 DR JENKINS: Yes. I mean, that is why you need to think
19 hard about the combinations that you are looking at and
20 think about what you are looking at in terms of what
21 makes sense from -- in order to interpret the results,
22 yes. But, as we will come to, in this case I do not
23 think we have a situation where the combinations I have
24 chosen lead to loss-making activities on any of those
25 combinations, but it is allowing precisely the

1 flexibility in a multi-product firm to vary which of the
2 products you recover your common costs from.

3 MR RIDYARD: Mr Duckworth, or ...

4 MR DUCKWORTH: Shall I start?

5 MR RIDYARD: Yes.

6 MR DUCKWORTH: I think the point that Dr Jenkins makes,
7 which is that standalone costs for the individual
8 service by definition do not include profitability of
9 any services, is correct, but that is generally not the
10 binding constraint in the SAC combinatorial process. So
11 you do end up combining, in this case, SFV services
12 with, for example, bundles to work out what the binding
13 constraint that results in Dr Jenkins' benchmark. So
14 effectively you look at the results of all the
15 combinations and you take the lowest combination, so the
16 lowest value that comes out of all of the combinations,
17 and that typically is not the standalone cost.

18 Then the issue that myself and Mr Parker have
19 identified is not whether any of the combinations are
20 loss-making, it is whether individual services within
21 a combination are loss-making and they are combined with
22 another service which is profitable, and that
23 combination of a profitable service and sort of
24 unprofitable service, unprofitable in terms of not
25 making, or having a negative contribution margin,

1 effectively reduces the overall contribution margin of
2 that bundle of services, in this case actually the
3 bundle of service.

4 That means because that -- this is all quite complex
5 to describe, but the contribution margin from the
6 overall bundle of services is reduced, that increases
7 the ability to sort of recover common costs from the
8 focal product, SFV services. So ...

9 MR RIDYARD: So you think --

10 MR DUCKWORTH: -- it is a complex mechanism, but in effect
11 it does allow losses on a service which has been
12 included in a combination to be recovered from the focal
13 product.

14 MR RIDYARD: So you think that is giving too much
15 flexibility to the way in which the common costs -- the
16 amount of common costs that is recovered on the focal
17 product?

18 MR DUCKWORTH: I think that is a particular flaw of the
19 implementation of the SAC combinatorial approach by
20 Dr Jenkins. I think there is a broader conceptual issue
21 of whether a SAC combinatorial approach in itself
22 provides too much flexibility, but even ignoring that
23 broad conceptual point about SAC combinatorial in
24 general, Dr Jenkins' implementation has this effect of
25 allowing losses in certain products to effectively be

1 recovered through pricing on SFV services.

2 MR RIDYARD: So at what point would you -- at what point
3 would you say that the amount of common cost that has
4 been recovered on the focal product goes across some
5 threshold and that makes it unreasonable? A tricky
6 question, I know, but ...

7 MR DUCKWORTH: I think we are back to kind of the LRIC+
8 discussion and looking at the degree to which an
9 attribution of common cost -- well, you can compare
10 the price to an attribution of common cost under a LRIC+
11 approach, which is, for example, an EPMU approach which
12 allocates them evenly, and ...

13 MR RIDYARD: But that is --

14 MR DUCKWORTH: That is why there is a judgment on whether
15 the price compared to that LRIC+ benchmark is
16 significantly and persistently above in a way which does
17 not reflect demand characteristics of the customers.

18 MR RIDYARD: But as I think through that answer, I mean, it
19 seems that your dislike of the SAC combinatorial
20 approach is it gives, to put it very simply, too much
21 freedom to recover common costs on a focal product. But
22 I think the counter case to that, the criticism the
23 Class Representative's experts have of LRIC+, is that it
24 gives almost no freedom. You know, it predetermines how
25 common costs get recovered, and that is too much of

1 a straitjacket. So we are sort of struggling with --
2 I can kind of see where both arguments are coming from,
3 but we are struggling with the tension between those two
4 positions. Is that a fair way of putting it? If I am
5 missing something, then I would be very pleased to be
6 put right.

7 MR DUCKWORTH: I mean, it is not so much a construction of
8 the benchmark but how you interpret the benchmark.
9 Dr Jenkins' interpretation is if you set, effectively,
10 a mathematical upper bound of the most extreme recovery
11 of common costs, which is consistent with profitability
12 across the other services, if you are below that then
13 there is no excessive pricing.

14 Our -- or my opinion is LRIC+ sets a benchmark, but
15 then you need to kind of take into account broader
16 market factors in deciding whether the degree to which
17 prices above that benchmark are excessive, so it relies
18 on some sort of ex post judgment once you have
19 constructed the benchmark.

20 MR RIDYARD: Okay.

21 Mr Parker, do you have anything on this, or ...

22 MR PARKER: Yes. I think I have some problems with
23 SAC combinatorial as an approach. I have some problems
24 with the way that Dr Jenkins has implemented the
25 SAC combinatorial. I think maybe a good place to

1 illustrate the point about the hiding losses idea would
2 be if we look at Box 6.1 of Dr Jenkins' first report,
3 which is at {IR-E/17/185}, because that has some nice
4 simple numbers which it might be helpful to go through
5 to give an idea.

6 If we zoom in on the table. So what we have got
7 there is, here we have a firm that has essentially three
8 products, A1, A2 and B, abstract from margin for now.
9 The question is, if there is £150 common costs across
10 these three services, what proportion of those common
11 costs should be recoverable from A1?

12 Now, you can see that A2 is actually a loss-making
13 service, because it makes revenues of 20 and LRIC of 60.
14 Then B is profit-making service, making a contribution
15 to common costs of 90.

16 So SAC combinatorial would say: let us look at A2 by
17 itself, that is minus 40. Let us look at B by itself,
18 that is plus 90. Let us look at A2 and B together, and
19 that gets you to plus 150, so 200 total revenues, 150
20 costs.

21 What is the highest contribution from these
22 alternative bundles? It is just bundle B, product B by
23 itself. So B is providing 90, and A1 is providing --
24 therefore should be able to provide 60 contribution of
25 common costs.

1 This is the result that Dr Jenkins comes to on the
2 following page. We do not need to go to that.

3 If you then put A2 and B together and say these are
4 just one product, then A2 and B, you do not split out
5 the costs at all, they are 200 revenues, 150 LRIC. That
6 means that they are only providing 50 contribution to
7 common costs. So on that basis you would allow A1 to
8 have 100 --

9 MR RIDYARD: 100.

10 MR PARKER: -- recovery of the common costs.

11 So if you do not split out A2 and B, and if you do
12 not split out all your combinations of services, you
13 have the potential to be hiding -- to combine
14 a loss-making service with a profit-making service, and
15 that can lead you to under-recovery on that group of
16 services that you put together, and therefore
17 over-recovery relative to breaking it all out and
18 identifying it properly.

19 So I think the way that Dr Jenkins has combined all
20 the bundles together, including BT Sport, but just as
21 a general principle, rather than doing every single
22 bundle -- every single product by itself, can absolutely
23 lead to this problem of if there are some less
24 profitable, not making a full contribution to common
25 costs services included in there, that can lead to then

1 this finding of over-recovery on A1, and if A1 is SFV
2 services here, it seems to me a bit uncomfortable to
3 say, well, we should, if you are less -- if you have got
4 some loss-making service put into that bundles
5 contribution, you should therefore allow those losses
6 essentially to be recovered from the --

7 MR RIDYARD: So this problem arises because of the need --
8 you need to consider more combinations in order to avoid
9 this problem, is that right?

10 MR PARKER: Essentially you need to identify all
11 combinations so you can make sure this is not an issue.
12 I totally accept from Dr Jenkins' statement that it
13 would be very complicated to do that, but it still seems
14 to me that you should do that if you are not going to
15 run into this issue, notwithstanding the complexity.
16 Otherwise I think you are just saying it is too
17 difficult to do properly, so we are not going to do it
18 properly, and I am not sure that is the right approach.

19 MR RIDYARD: Okay.

20 I do not know ... Mr Matthew?

21 MR MATTHEW: Just -- because I know you asked about the
22 concept, I will just make one observation on the context
23 here, which is BT is under various regulatory rules
24 about margin squeeze, so it does have obligations around
25 making a profit at the retail level for fear of

1 otherwise falling into some either regulatory or
2 other -- falling foul of the margin squeeze rules. That
3 is explicit in the case of the VULA products, but it is
4 also a part of some of the other bits of the regulation
5 that apply.

6 MR RIDYARD: Okay.

7 MR MATTHEW: It is a regulatory constraint that applies to
8 some degree.

9 MR RIDYARD: Dr Jenkins, can you respond specifically to
10 that criticism that you need -- I know you say you
11 cannot look at each and every combination, because
12 I know the combinations do multiply quite dramatically
13 when you have multiple products, but what about this
14 possible criticism?

15 DR JENKINS: Perhaps if we go to paragraph 6.142, so that is
16 the same document, page {IR-E/17/224}. So that
17 paragraph sets out the combinations that I am going to
18 undertake, which you see in the middle of that
19 paragraph, the list of them.

20 Perhaps before we go into the specifics around
21 bundles and sport, it is again just to remind ourselves
22 why are we doing this, what is the purpose of the
23 combinations that we pick, and why do we -- why I do
24 think these are the right ones for the Tribunal to
25 consider when thinking about the appropriate flexibility

1 for the pricing of one product in a multi-product firm
2 like BT.

3 So the nature of the combinations, the question you
4 ask each time when you look at a combination is: imagine
5 that this is BT as a standalone provider of the
6 combination products that you have identified, and so
7 the question -- you start with: they are a standalone
8 provider of SFV services. But then what you are
9 thinking is: are there some -- have they over-recovered
10 their common costs when we think about them being
11 a standalone provider of more products as well?

12 When we calculate the standalone cost of one of
13 these other combinations, the way we do it is we take
14 all the incremental costs of the services that are in
15 that combination, we include the common costs, which are
16 the same in each scenario, and then the appropriate
17 margin.

18 So, for example, when we take SFV services and
19 bundles and add them together, we take the incremental
20 costs of the SFV services, the incremental costs of
21 bundles, the common costs of BT Consumer, and then the
22 margin. Then we ask the question: with all the revenue
23 they then recover from their SFV services and their
24 bundles, does it appear that they are over-recovering
25 their costs, including their common costs of that

1 service?

2 Now, if they are at any point recovering more than
3 their common costs, you want to have designed a set of
4 increments that are going to capture that in
5 a meaningful way. So the increments that I chose -- the
6 combinations that I chose, rather, were starting with
7 the SFV, capital S, Services, so the products in the
8 claim, then including the other SFV products, so Home
9 Phone Saver and BT Basic. I then had bundles as one
10 additional service, which I will come back to. Then the
11 standalone broadband service, the standalone mobile
12 service and then other products.

13 Then perhaps if we just go over the page to 225,
14 {IR-E/17/225}, Table 6.9, which also goes on to the
15 other page but perhaps we do not need to do that just
16 yet, that just sets out what, in a sense, are the
17 different hypothetical businesses I am then testing in
18 terms of the combinations of services that are going to
19 be offered by the standalone business that I am looking
20 at.

21 So then the question you ask is: should I have split
22 out bundles so that it looked at Dual Play, Triple Play,
23 Dual Play with sport, Triple Play with sport, all of
24 those elements? The reason I did not do that is because
25 actually what we are thinking about here is we are -- in

1 a sense, we are not worried about what is going on in
2 the bundles market, right, we are thinking that that is
3 a competitive part of the vista, the competitive arena
4 that we are looking at, and the strategy that BT
5 implemented, they were not thinking: "oh, I want to set
6 up a standalone sports business", right. "I do not want
7 to be a sports retailer for the sake of being a sports
8 retailer, I want to be a successful retailer of bundles
9 of services, and in the competition for that I need to
10 enhance my offering, which is currently mostly Voice and
11 broadband, and include TV and sports in order to compete
12 with other providers in that bundle market". So the
13 right way to think about that is that I think about
14 bundles as one service line, one -- and then I combine
15 that with the other products.

16 So you can say, okay, well, then that masks the fact
17 that sport for some part of its time was a loss leader,
18 in a sense that losses were being made, but there is not
19 a commercial sense in which BT was seeking to offer
20 sport on its own. It was doing that in order to attract
21 and retain bundle customers, and it was successful in
22 that, and when you look at the bundle overall it is
23 always above cost, you know, making a return. The
24 return is lower by about -- here it is about 15%
25 reduction for when you include sport, when you do not

1 include sport, but that is the nature of competition in
2 this area.

3 So then it is reasonable to use this set of
4 combinations for testing the price flexibility that
5 a multi-product firm would have in this situation.

6 MR RIDYARD: Right, so, Mr Parker, specifically on that,
7 I mean, what is described here obviously clearly could
8 be mapped out in your -- in the example that you took us
9 to, of bundling in BT Sport with the rest of the bundles
10 rather than looking at it separately. But is it
11 accepted that that is the right way of treating the
12 BT Sport losses, or should it have been done
13 differently, in your view?

14 MR PARKER: So I think, not contradicting what Dr Jenkins
15 just mentioned, it is not the case that BT Sport was
16 only sold in bundles.

17 If we can go to the JES at page 262 {E/49/262}, that
18 gives you the proportion of BT Sport lines sold in
19 bundles, which was originally very high, but as you can
20 see it comes down, it is quite significant towards the
21 end, but it is material in every period. I think if one
22 was going to do the SAC combinatorial correctly, one
23 would need to look back, think about how you allocate
24 those BT Sport revenues and costs to bundles and to
25 different types of bundles, and to each of the bundles

1 separately, including ones with BT Sport, ones without
2 BT Sport. Then one would need to have a separate
3 standalone BT Sport category where we are talking
4 towards the end of 40% plus of all of BT Sport
5 subscriptions are on a standalone basis.

6 So I do not -- sorry ...

7 MR RIDYARD: I am not following the table actually.

8 MR PARKER: So if I understand correctly, this is -- the top
9 line is the number of bundled lines with Voice and
10 sport, and the middle line is the number of BT Sport as
11 a whole, and therefore the bottom line is the
12 proportion --

13 MR RIDYARD: The balance, yes.

14 MR PARKER: -- that are sold in bundles, and then one minus
15 that is the proportion that are sold standalone.

16 I apologise, I was jumping too quickly, too fast.

17 MR RIDYARD: Yes.

18 MR PARKER: So I think really you should break it all up,
19 because these costs are -- perhaps we could go to my
20 fourth report at a paragraph I need to find. It is
21 {IR-E/5/104}, Table 2.

22 This is -- if you look at the bottom three lines,
23 I will not read them out, but you can see "BT Sport
24 revenues", "BT Sport LRIC", and you can see the bottom
25 line is there was a very, very significant difference

1 between the two. In many periods that difference is
2 higher than the entire revenues of SFV services.

3 So even if we are only talking about 40% being sold
4 on the standalone basis, that is potentially an
5 extremely significant offsetting factor, which
6 essentially the SAC combinatorial, as implemented by
7 Dr Jenkins, says these losses over here should be
8 recoverable by higher --

9 MR RIDYARD: Yes, I think I see how the mechanics work. But
10 the key thing here is Dr Jenkins sort of claims that you
11 should regard BT Sport as being intrinsically associated
12 with the bundles business, because it was almost a form
13 of marketing to sell the other services within the
14 bundles, whereas you are saying the fact that it was
15 sold, some of it was delivered as a standalone, sort of
16 violates that claim or that assumption. That is what is
17 driving the results that you are then describing, is
18 that right?

19 MR PARKER: Yes. I mean, I think there is a more general
20 issue of just bundling all the services together,
21 Dual Play, Triple Play, Quad Play, whatever.
22 Potentially we do not know whether some of those were in
23 fact profitable or otherwise --

24 MR RIDYARD: No, but if --

25 MR PARKER: -- put those together, and those are separate

1 services. I think this is just a specific example, but
2 for BT Sport I think it is particularly the issue when
3 we are looking at a large proportion of standalone.

4 MR RIDYARD: Yes. Put it this way: if they had shown that
5 BT Sport was never sold as a standalone, it was always
6 part of a bundle of services, would you stand down on
7 this point, or would you still be making this point?

8 MR PARKER: I think I would be making it less strongly.

9 I think the question then would be: is that the
10 efficient way to offer a sport product, as part of a
11 bundle, given that you could, for example, get
12 Sky Sports and a wholesale must offer obligation from
13 Sky.

14 Now, BT has clearly made a strategic choice to do
15 something different. Question whether that has proved
16 to be the correct strategic choice. But it seems to me
17 there are fairly clear, you know, sizeable negative
18 numbers being attached to this, just looking at it by
19 itself, so you would have to have a really strong belief
20 that this was critical for driving sales of Dual Play,
21 TripleDual Play, Quad Play, even if it was only ever
22 sold as part of a bundle it seems to me.

23 But I do agree it would be less of an issue if there
24 was no standalone. I think it is very clear when there
25 is a whole chunk of standalone sport being operated.

1 But I do think there is a bit of an issue, just given
2 the size of the numbers that we are talking about,
3 (inaudible).

4 THE CHAIRMAN: Can I just ask a supplemental on that.
5 Conceptually, then, does it follow that although you say
6 "well, if it was always sold in a bundle, your point
7 would be less strong, but then you would have to
8 question very strongly the particular effects here.

9 But do you agree conceptually that the way that you
10 should choose your combinations is driven by the way in
11 which the individual products which make up the
12 combinations are sold, or is that irrelevant? Because
13 you say that -- I think you said it should be every
14 single potential combination, even if that is difficult.

15 MR PARKER: I think my view would be if BT -- let us suppose
16 BT Sport is always added to every bundle, and then you
17 do not really have a Dual Play bundle at all, you will
18 always have at least a Triple Play bundle, so you would
19 have Voice, broadband and BT Sport. What I would want
20 to do for doing the full SAC combi is to say, right,
21 there is now a Triple Play bundle: Voice, broadband, BT
22 Sport; there is a Quad Play bundle: Voice, broadband,
23 other TV, BT Sport; there is a quintuple, quin play
24 bundle -- is that a thing -- with all five services, and
25 you would be wanting to look at the profitability, you

1 would want to split out the BT Sport costs across these
2 different combinations, look at each of the product
3 combinations that is available separately, work out the
4 profitability or otherwise of those, and the
5 contribution that they are making to common costs.

6 I still think you need, to do the SAC combinatorial
7 properly, you need to split it down to every single
8 service, but that could involve a service which involves
9 some BT Sport, a service which does not.

10 MR DUCKWORTH: Could I just add my views, which are broadly
11 in line with Mr Parker's.

12 I think there is a danger that if you adopt
13 Dr Jenkins' approach, where you would be trying to set
14 up combinations which reflect your view of BT's strategy
15 at the time, then BT's strategy, particularly with
16 respect to sport, has definitely changed over time.
17 They have effectively formed a joint venture with sport
18 at the end of the claim period. But it introduces
19 a high degree of subjectivity that, depending on your
20 view of BT's strategy, you end up with a different
21 answer from the SAC combi approach.

22 Dr Jenkins has kind of recognised that in the
23 Joint Expert Report, {OR-E/49/140}. She says:

24 "While testing SFV Services against each individual
25 bundle type or a sub-set of bundles could theoretically

1 could result in different 'cost-plus' benchmarks, these
2 differences would be capturing BT's relative pricing
3 decisions within its portfolio of bundles, and would not
4 be informative of the question of whether SFV Services
5 were excessively priced."

6 So she is effectively saying: if you do a different
7 set of combinations you get a different answer, but in
8 her opinion that is not informative. But in many ways
9 that is her opinion that it is not informative.

10 We are saying test the different bundles almost
11 mechanistically and see what the SAC combi result is.
12 Dr Jenkins is saying you need to spend time and judgment
13 deciding what the right set of bundles is, based on your
14 understanding of BT's strategy with respect to sport or
15 with respect to other products, before you actually do
16 the mechanical SAC combi approach. I think that just,
17 to me, introduces a degree of subjectivity in the
18 production of the benchmark.

19 MR RIDYARD: Okay.

20 Dr Jenkins.

21 DR JENKINS: I think what I have sought to do is give
22 a pragmatic and useful cost allocation approach that is
23 anchored in the evidence on the strategic choices that
24 BT did make to help the Tribunal make this difficult
25 decision around, okay, there is a range of prices that

1 may be observed and how do we understand them?

2 So it is the case that if you start to add many
3 other formulations of the type of business that you want
4 to have as a potential combination, you make the
5 SAC combinatorial approach infeasible to operate and
6 then it is considered to be not helpful.

7 MR RIDYARD: Infeasible because there are so many or ...

8 DR JENKINS: Because there are so many, yes, because it
9 becomes unmanageable. So the choice I have made is
10 a thoughtful one based on the actual behaviour of BT and
11 the rivals in the market and thinking about, okay, what
12 sorts of businesses; does it make sense to check that
13 combination?

14 Perhaps if we just go back to Mr Parker's fourth
15 report, so I think it is {E/5/104}, and if we go -- so
16 just to understand here what Mr Parker is saying, so
17 this table tells you --

18 THE CHAIRMAN: Sorry, the table that we are looking at here,
19 Table 2?

20 DR JENKINS: Yes, which is the one Mr Parker took us to. It
21 is saying: okay "Sports", looks like BT was losing a lot
22 of money there.

23 Then if we go down to the bottom half of that page
24 where Mr Parker shows what bundles would look like if
25 you excluded the sports revenues and costs and showing

1 that that would be -- that the bundles without that is
2 quite profitable.

3 I am sure BT would have been very happy if it could
4 get all that bundle revenue and not have to invest it in
5 sports and television, and the suggestion that instead
6 of that they could have just offered -- sold through the
7 Sky Sports products to their customers, they did not
8 have to invest in sport, that obviously is all true.
9 That is an option. But they would not have had any
10 differentiating feature in this market if they were just
11 reselling the products that Sky do with Sky's branding
12 on those channels.

13 So BT determined that in order to capture this
14 bundle revenue -- this analysis that has been done
15 assumes that they would have retained all of their
16 bundles revenue even if they had not had the sports
17 offer.

18 Then you put that against -- if we go to {E/49/264}.
19 So this is the evidence just within those customers that
20 we know about that are switching within BT from SFV
21 services to a bundle, and we see that for them a large
22 proportion of them were switching to bundles, including
23 sport, through this period. They were attracted by the
24 offer that BT had.

25 Now, not all of them were, absolutely. But you

1 cannot predict necessarily which of your customers are
2 going to be the ones who take up the sports offer, but
3 you want to offer a range of bundle services to your
4 customers that are going to match the differentiated
5 needs that they have and offer something different from
6 your rivals in order to be able to attract them.

7 We heard that part of the competition they were
8 facing was indeed from Sky, with a strong TV and content
9 offer, also offering broadband and also offering Voice
10 services. So they are bundling out and competing from
11 the other end of the spectrum, and BT were finding
12 themselves having to compete to retain the customers who
13 start off as Standalone Fixed Voice customers but end as
14 bundles.

15 So you cannot separate this in a very static way.
16 The behaviour in the market is seeking to attract and
17 retain customers through this period.

18 Now, what I have done therefore is treat the bundle
19 element of the business as one piece and look at whether
20 or not, if you look at a combination of services which
21 include other products and that bundle business, there
22 is any evidence that BT was earning revenues that were
23 in excess of the costs associated with that, including
24 the common costs.

25 I find whichever combination of the 49 combinations

1 that I look at, at no point do I find that on any of
2 those combinations BT was earning above its costs.
3 There is no evidence that BT was over-recovering common
4 costs through this period with the choice of pricing
5 that it made across the range of those services that
6 I have tested.

7 MR RIDYARD: Yes, it seems to me that there is judgment
8 coming into all of these approaches, really, and
9 I totally understand Mr Duckworth's criticism, and
10 I understand what you are saying as well, Dr Jenkins,
11 but on both counts there is an element of judgment
12 there. There is also an element of judgment in
13 Mr Parker sort of saying --

14 DR JENKINS: Absolutely.

15 MR RIDYARD: -- you would need to think, well, was this the
16 best way of doing this? You think about money spent on
17 TV advertising, maybe BT could have spent that better
18 and you could get the same discussion. So I think we
19 are stuck with some exercise of judgment in all of these
20 factors.

21 That has been a very useful exposition, though,
22 of --

23 DR JENKINS: I would just add on that point, as you say,
24 there were a range of different allocation methods that
25 are being presented to the Tribunal. The

1 SAC combinatorial is one of them. We have the LRIC+.
2 I have also presented some other Fully Allocated Cost
3 options, and also, I am sure we will come to it, the
4 distributed standalone costs. Those are all -- every
5 one of those involves judgment, right? You know, from
6 the fact of how you treat the indirect costs, whether
7 you can split them between incremental and common. If
8 you can, how you then allocate. If you cannot split
9 them between incremental and common, how you allocate
10 indirect costs.

11 There will be the exercise of judgment, whether that
12 is by BT, by the regulator, by the Tribunal, by us as an
13 expert team to assist you. So I think one of the points
14 is thinking about what are the ranges -- there is no
15 escaping from the fact that there are a range of cost
16 benchmarks that could be observed in this market given
17 the multi-product nature of BT.

18 THE CHAIRMAN: Can I just introduce at this point a question
19 which I wanted to ask you, Dr Jenkins -- I have
20 a similar one for Mr Duckworth, but I wanted to seize
21 that later on -- which is to just to have a brief
22 refresher course on the number of different approaches
23 you have taken here, bearing in mind that you said
24 yesterday that your approach, which I think was at that
25 stage concentrating on your primary approach, the

1 combinatorial approach, had the virtue of transparency
2 in the sense that it was possible to change certain
3 variables in it if the Tribunal thought that something
4 needed adjusting.

5 Can you just first of all remind us, well, if that
6 is the case, what would be the variables or the inputs
7 that are open to change where a different exercise of
8 judgment might be required?

9 DR JENKINS: I think in that context it was about the split
10 between incremental costs and common costs, and I think
11 one approach is that -- in a moment we can go to the
12 table that showed the assumptions I had made, the
13 judgments I had made, about whether -- the proportion of
14 a category of indirect cost, and what proportion of it
15 should be incremental, and which proportion should be
16 common, and there are ... So hence you can see very
17 transparently how that feeds through into an overall
18 judgment of incremental costs and common costs.

19 I think the question was: is there anything else
20 other than judgment that helps here? I said there is
21 a particular class of indirect costs that Ofcom has
22 judged to be, at a minimum, common costs for
23 BT Consumer, which is the TSO direct costs. That is
24 a subset --

25 THE CHAIRMAN: A technical service something.

1 DR JENKINS: Operations, and it is the sort of back office
2 which is used to support the functions of BT Consumer.

3 I have used that as my cross-check in HJ2, annex 3.
4 You can find that. However, if what you wanted was to
5 think about exercising judgment on the split between
6 incremental and common costs, that would involve looking
7 at the different line items of the SG&A and D&A costs,
8 and then being able to say, okay, actually I think all
9 of these should be low, or most of these should be low
10 in terms of common costs, or only this one should be
11 allowed to have any common cost element, and you would
12 be able to do that. Whereas for the more granular
13 approaches we have to take it as a black box. This is
14 what was done. It is very hard to unpick any element of
15 that or make any judgment.

16 THE CHAIRMAN: When you say the more granular approaches,
17 you mean ...

18 DR JENKINS: The one from the
19 Regulatory Financial Statements from 2009.

20 THE CHAIRMAN: Yes, I am going to ask you something about
21 that much later on.

22 But just give me -- just remind me where we would
23 find a representation of that, of your proportional
24 allocation of what you say are the true incremental
25 costs and what are the true remain remaining common

1 costs.

2 DR JENKINS: The tables that were handed up yesterday. To
3 answer your question, that is one of the areas, the fact
4 that we do not have a good measure of common costs that
5 BT has ever done. So there is a -- if one wishes to
6 pursue a cost allocation approach {OR-H/204/2}, which
7 requires one to know common costs, which is the approach
8 I took, then you will exercise judgment.

9 The alternative, if you think it is very hard to
10 split incremental and common costs, is in a sense the
11 option taken by the Class Representative's experts,
12 which is to use Fully Allocated Cost approaches.

13 THE CHAIRMAN: Before we get there, and forgive me if I am
14 being a bit simple about it, which is that is an issue,
15 this whole question of what are the true incremental
16 costs across the board. We know the CR disagrees with
17 you about that.

18 But assuming you left the proportion between the two
19 the same, there is then the question of how you allocate
20 the common costs --

21 DR JENKINS: Absolutely, yes.

22 THE CHAIRMAN: -- and that feeds straight into your
23 combinatorial model.

24 DR JENKINS: Absolutely. I say you can use the
25 combinatorial model to allow the flexibility to recover

1 those common costs in a varying way where you recognise
2 the proportion that have already been recovered, given
3 the existing pricing on other products.

4 THE CHAIRMAN: But that is not something, as it were, that
5 is a variable. We are not about to start saying: we
6 will do another ten combinations. That is pretty much
7 fixed in your methodology. It is really the input here
8 which is what you regard as the common costs for these
9 purposes.

10 DR JENKINS: Then the other alternative would be to use an
11 allocator, a sort of fixed allocator approach for those
12 categories, which is more of a Fully Allocated Cost
13 approach.

14 THE CHAIRMAN: Which is one of the alternatives you have
15 done? You have done the DSAC as a sort of cross-check.

16 DR JENKINS: I have done a, yes, distributed standalone
17 cost, so that is still looking at incremental and common
18 costs, and then it is saying that you take the common
19 costs and you distribute them across all the products
20 that are close to the focal products, so in this case it
21 is SFV Services, capital S, plus Home Phone Saver, plus
22 BT Basic.

23 So instead of saying they just go on to SFV, capital
24 S, Services, you distribute them across the SFV products
25 that you have. So that is still really a standalone

1 cost approach. You are still saying I am going to
2 allocate those common costs on to these products.

3 THE CHAIRMAN: Yes.

4 DR JENKINS: You are right to interject that one between the
5 SAC combinatorial, DSAC. Then you get more
6 Fully Allocated Cost measures, which is where you spread
7 those common costs across all the products.

8 THE CHAIRMAN: You have not done that?

9 DR JENKINS: I did -- that is the approach taken by the CR,
10 and I did one sensitivity in the JES. I will just get
11 you the table reference. It is Table 6 and Table 9, so
12 that is {E/49/259} is the page reference.

13 THE CHAIRMAN: Right, thank you.

14 Now, what you have not done, as I understand it, is
15 take the approach taken by the Class Representative
16 using the 2009 RFS, but then, for example, adding
17 different increments each year or things like that.

18 DR JENKINS: That is correct, I have not done that.

19 THE CHAIRMAN: I just want to ask one more thing while we
20 are on the subject of the RFS.

21 The RFS we have just spent some time studying has
22 a main primary document which sets out in very great
23 detail the precise way in which BT has gone about the
24 process of allocating revenue and cost in relation to
25 each of the individual product markets which gets split

1 right down, effectively, into SFV and explains which
2 sets of principles have priority over other principles.
3 It does involve using LRIC, and it does involve,
4 according to that document, causality as a key driver in
5 all of this. I accept that it does not appear in
6 relation to any of the figures, that you get something
7 which ends up saying: these are the incremental costs,
8 these are the common costs, and that is how we do them.

9 What I wanted to do, it is a little bit artificial
10 perhaps, but had we been back in 2009, or had this been
11 a current document or last year's document, in principle
12 would there be any objection to using it as the starting
13 point for building your competitive benchmark?

14 DR JENKINS: I think if that document were available up to
15 date based on the actual costs and causality patterns
16 across the whole of BT Consumer, not just focused on --
17 not just with the mindset focused on those where the
18 regulator was focusing through SMP obligations, then
19 absolutely one would consider what that -- that as
20 a relevant piece of information about how BT thought
21 about the cost of its business in the current -- at the
22 time that that document was done.

23 THE CHAIRMAN: Yes.

24 DR JENKINS: Whether that is still the only thing that one
25 would consider, if one were determining excessive

1 pricing, that there was no other way it could have been
2 done, that would still be compatible with the workably
3 competitive market. There may still be room for
4 discussion, but you would certainly consider it.

5 THE CHAIRMAN: Right, can I just explore that a bit more
6 because you qualified your answer by saying, yes, you
7 could certainly use it provided that it has got the
8 costs data across the whole of BT Consumer as opposed to
9 what the regulator wanted. The regulator actually
10 wanted a number of different exercises across a whole
11 range of products which of course included what we now
12 call BT Consumer. But what would be wrong with looking
13 just at the SFV calculation, including the attribution
14 of common costs, that BT did assuming it was up to date,
15 what would be wrong with that?

16 DR JENKINS: I do not think there would be anything wrong
17 with that.

18 THE CHAIRMAN: Right. If that is right, and I appreciate
19 there are nuances here, and I take your point you say,
20 well there may still be other things that you would look
21 at, but your real objection to the 2009 SFV as
22 a building plot is effectively it is out of date.

23 DR JENKINS: Yes. That is ...

24 MR MATTHEW: Could I make a comment on that?

25 THE CHAIRMAN: Yes, you can, once I have just made a couple

1 of notes. (Pause). Thank you, Dr Jenkins. Yes,
2 Mr Matthew.

3 MR MATTHEW: So I would like to comment on two things.
4 Firstly, that last point about the concept of an
5 up-to-date RFS that covers this and then secondly, about
6 BT Sport.

7 THE CHAIRMAN: Right.

8 MR MATTHEW: On the up-to-date RFS, I mean, I think it is
9 important to recognise that what was done in 2009 was
10 one allocation, so even at that time you have some
11 common costs and what was in those accounts would have
12 been the particular allocation adopted at that time for
13 whatever purposes were in play. So as a conceptual
14 level that still leaves the question of, well, would
15 other allocations also have been reasonable, and I think
16 the answer is yes.

17 Then the second point I wanted to make about the RFS
18 is that of course it is reflecting a variety of
19 different regulatory objectives as well as simply an
20 accounting allocation. Those can include a variety of
21 different things, but again, what you are trying to do
22 is come up with a system that essentially mimics the
23 regulatory decisions that are taken, helps new
24 regulatory decisions to be made but where Ofcom actually
25 or potentially has some oversight of how some aspects of

1 this should be done, and Ofcom has looked into this from
2 time to time to say, well we think you should do it
3 a bit differently because we want more costs here or
4 there, that kind of thing.

5 So I think my comment would be if you had an RFS
6 today that had a particular allocation to SFV today, you
7 would still have to go through the process of saying, in
8 an excessive pricing context is that the answer?

9 I think you would have the potential that different
10 allocations might also be used.

11 THE CHAIRMAN: I looked in some detail at the allocations
12 and of course you are right and you will know much more
13 than me, but some of the particular principles are
14 driven by provisions in the Communications Act which
15 drill down. But I looked at the principles, for
16 example, of causality which seemed to feature very
17 strongly. I looked at the fact that BT in order to
18 allow causality to drive the result for incremental cost
19 as much as possible actually undertook staff surveys in
20 call centres and places to actually try and work out
21 what each member of staff was doing and in relation to
22 what product which seemed to me quite a detailed
23 exercise.

24 What is it that in terms of regulatory principles
25 which govern this document would make it, as it were,

1 not fit for purpose as a building block to get to
2 a competitive benchmark?

3 MR MATTHEW: On that point that is exactly what regulators
4 often do, especially in a regulatory accounts
5 environment. So when they are doing those surveys to
6 try and say what different staff members are doing
7 drilling into a variety of things in effect they are
8 drilling into understanding cost causality in a way that
9 is not normally done in the statutory accounts and there
10 are lots of good reasons to do that and essentially it
11 is because regulators want to understand what the
12 incremental costs of different services are.

13 The limitation is that does not include the common
14 costs. All it is doing is saying, compared to statutory
15 accounts, which will give you some direct costs and then
16 a bunch of attributions on top of that, this is now
17 saying, well, I can do better than that, I can tell you
18 here is another group of people who are spending their
19 time doing different things, I can do a more
20 sophisticated version of activity based costing, I can
21 take into account a variety of things. But it will
22 still leave at the end a gap which is the bits that
23 cannot be allocated and those are the common costs and
24 there the attributions are an attribution. You have not
25 shown causality of them because common costs are not

1 causal in the way defined.

2 So that is what I mean when I say there is still
3 a gap in which different decisions could be made and the
4 ones that are made might reflect a variety of
5 considerations. There is no single answer. That is one
6 of the foundational points in economics with
7 multi-products environments.

8 MR RIDYARD: The exercise might give us a better
9 understanding of how big the common cost problem or
10 issue is.

11 MR MATTHEW: Exactly.

12 DR JENKINS: I was just going to add, the questions you
13 asked me before were around would one look at it if we
14 had that and I definitely think it would be meaningful
15 and useful to look at how that exercise had been
16 conducted were it still available. I think even at the
17 time that the RFSs existed they were not actually used
18 very much commercially for actually informing pricing,
19 but one thing is -- I do not know the extent which they
20 were not looked at at all but obviously there will have
21 been some information there.

22 So that is a sense where I agree with Mr Matthew
23 and, as I said, it might be something that you look at
24 but it is not going to give you the answer of what is
25 the benchmark in a workably competitive environment.

1 THE CHAIRMAN: Thank you both very much indeed. There are
2 some follow-on questions which I will have for
3 Mr Duckworth in due course, but I want to go back to the
4 line -- the points which Mr Ridyard was making and then
5 we will catch up.

6 MR MATTHEW: Sorry, could I just make my quick point about
7 BT Sports. I will be very fast.

8 MR RIDYARD: Yes.

9 MR MATTHEW: I am sure you are aware, but the question of
10 whether or not BT Sport should be treated essentially as
11 part of the broadband business was deliberated in depth
12 and at length by Ofcom in its evaluation of the VULA
13 margin squeeze which was a question around essentially
14 placing -- there was a decision that there should be
15 a regulatory obligation on BT to maintain a retail
16 margin on VULA which means superfast broadband which was
17 the new thing at the time of this claim period.
18 Essentially this is all happening around 2015.

19 The issue of what costs should go into that were
20 very important so the idea is were BT's retail prices
21 for superfast broadband enough above the wholesale
22 prices such that BT was making a profit in that part of
23 its business.

24 So they looked in depth at which are the retail
25 costs that BT faced, because that is what has to be

1 covered and by far the biggest question there was well
2 what should be the treatment of BT Sport costs (which
3 were substantial)? Ofcom after some deliberation
4 decided to include the BT Sports costs that had not been
5 recovered from other sort of standalone sales through
6 that retail margin. So that very plainly established
7 that BT Sport costs were being treated as part of the
8 broadband business, and the reasons for it were, as
9 Dr Jenkins has explained, because in large parts BT's
10 foray into that area was driven by the wish to promote
11 its broadband sales.

12 THE CHAIRMAN: Thank you. I think that is probably
13 a convenient moment to take a break as it turns out.
14 Thank you very much.

15 (11.34 am)

16 (A short break)

17 (11.49 am)

18 MR RIDYARD: So the next topic we wanted to discuss was the
19 disagreement between Mr Parker and Dr Jenkins, in
20 particular, on whether any given level of common cost
21 recovery on the services should be mapped against SFV
22 lines or all Voice lines.

23 Mr Parker, maybe you could -- because you describe
24 this as a mistake in Dr Jenkins' approach. Could you
25 just introduce the topic and just summarise your point

1 of view on it.

2 MR PARKER: Yes. So if we go back to the Box 6.1, we do not
3 need to turn it up, but the example, that is basically
4 saying, and this is the intuition behind the SAC combi
5 approach, there is some common cost recovery on product
6 B, that was 90, the total common costs 150, so that
7 allows the remainder to be -- it gives you the view that
8 60 could be -- would be a legitimate thing to recover
9 from SFV services.

10 What Dr Jenkins has done is to say: that 60, I am
11 going to allocate that not to SFV services, but to both
12 SFV services and other products in the combination, so
13 across SFV services and bundles or A1 and B.

14 So this is not the approach that is set out in
15 Box 6.1. I do not think this is the SAC combinatorial
16 approach. It is essentially dividing the gap, the
17 common costs that are not being achieved from bundles,
18 and saying, well, I will reallocate that, some of it, to
19 SFV and some more of it to bundles. I just do not
20 think -- that is not the approach we are trying to take.

21 If you resolve that, what you see, and no need to do
22 so, is this gap should be applied to SFV services. You
23 see this extremely large potential recovery, which we
24 might just want to have a quick look at.

25 MR RIDYARD: I think we can -- we get the point. If you

1 allocated a certain number --

2 MR PARKER: I think that tells you something about the
3 inputs that Dr Jenkins is using and the validity of
4 those inputs.

5 So that is why I think there is -- this is the wrong
6 approach, or it is not the SAC combinatorial approach,
7 it is something else.

8 MR RIDYARD: Dr Jenkins, maybe you could explain why you
9 allocated it across all lines as opposed to just the
10 focal product.

11 DR JENKINS: Yes. So if we go back to thinking about what
12 is the SAC combinatorial approach doing, when we look at
13 the different combinations, as I said earlier, the way
14 to think about that is this is an alternative standalone
15 business with a subset of the current products that BT
16 is producing. So we start with just SFV services, and
17 then we build up adding different additional services,
18 but we are thinking about it as it is a standalone
19 provider.

20 As I said, when I test overall for each of my
21 combinations, different combinations, I find in no
22 example is there a situation where the revenue that is
23 actually earned by BT on that combination is above the
24 benchmark that is derived from incremental costs, common
25 costs and margin, the margin, the relevant margin.

1 So no sign of excessive pricing. But then we come
2 to the question of what the implicit price benchmark
3 should be. So then I need to look at by how much below
4 the potential benchmark price, benchmark revenue, sorry,
5 is actual revenue, and then what I do is I work out,
6 well, how much would prices have to rise in order that
7 you are at the standalone cost for that combination?
8 Because in my scenario I am not finding any evidence of
9 excessive pricing, yet I am thinking through, well, what
10 would the benchmark be?

11 So when I think about that question of how do
12 I recover that revenue, which is -- or how do I spread
13 the common costs, I think about what is the combination
14 that I am looking at.

15 So in combinations where the only Voice service that
16 is being supplied by my standalone business is
17 Standalone Fixed Voice, then I used
18 Standalone Fixed Voice lines as the denominator to
19 spread those costs. But where I have a broad
20 combination that includes Voice, however sold, then
21 I say, okay, well how do participants in this market
22 actually price? They actually price the same price for
23 these Voice services across all of those Voice products.

24 So I then say, okay, I would ask the question,
25 spreading those common costs across all the Voice

1 products, which would give a benchmark for
2 Standalone Fixed Voice and also Voice, however else
3 sold.

4 So I think I differentiate depending on the nature
5 of the standalone firm that one is looking at and
6 bringing in the actual commercial practices that we
7 observe in BT, which is it would think of recovering
8 a certain amount of costs from whichever Voice customers
9 it is supplying at that time. That is why I do not
10 think it is an error; it is a reasonable and useful way
11 of implementing the SAC combinatorial approach in this
12 case.

13 MR RIDYARD: Okay, if you do -- it is just simple
14 arithmetic, really, is it not? If you do a chunk of
15 common costs that you are allowing someone to recover
16 over something, if you recover over 3 million customers
17 as opposed to 9 million, obviously the amount you
18 recover from customers is going to be three times
19 higher. So if you do allocate this common cost just to
20 the SFVs, the much narrower base of customers, and then
21 you obviously get a much, much higher ceiling, I mean,
22 is that something which is embarrassing or revealing
23 about anything?

24 DR JENKINS: I think it in a sense goes back to some of the
25 questions we were discussing yesterday about if you are

1 thinking about a truly standalone operator that is only
2 supplying very few SFV lines, then how does one square
3 that when we are faced with common costs of BT overall?
4 So one of the advantages of this approach is that it
5 keeps -- for those big combinations, which are in
6 a sense the constraining and binding constraint in this
7 way, it is recognising a broader Voice increment which
8 allows -- gives a -- it is better matched to the scale
9 of the common costs. So to that extent you could see it
10 as also adjusting for the fact that the
11 Standalone Fixed Voice element is shrinking over this
12 period.

13 MR RIDYARD: But as I understood it, Mr Parker, he draws
14 attention to what the calculation would look like if --
15 what he thinks would be the correct application of your
16 approach, and allocated it all to the SFVs, and then you
17 get this very, very high price ceiling, and he says:
18 look at how high that ceiling is, does that not just
19 show you how unreliable or ridiculous the SSE approach
20 is?

21 DR JENKINS: Yes, I just think it is very hard to think how
22 one would implement that. So you are thinking of
23 a standalone business which is supplying Voice on
24 a standalone business and Voice in a bundle, so you have
25 to somehow fully separate these customer bases. That is

1 why I have not done it that way. I have said whatever
2 price you would set in that way to recover common costs,
3 you have to think about that being the same price to
4 these two types of customers. There is no way to
5 hermetically seal across these two groups. So you need
6 to have a price for the Voice services that are being
7 supplied there and what the common cost allocation would
8 be to that, whether it is sold standalone or in
9 a bundle. I think that is the right way to think about
10 allocating common costs in that combination.

11 MR RIDYARD: So you are saying you would never get -- you
12 would never get to a situation where you allocated this
13 common cost just to SFV.

14 DR JENKINS: If you are a standalone business that is
15 supplying a combination which includes Voice sold in
16 bundles, yes. If you only supply
17 Standalone Fixed Voice, so if anyone wants a bundle you
18 say: please go away and be served by someone else, then
19 it makes sense, then I have done that. But when you are
20 thinking about a provider who is supplying Voice both
21 standalone or in a bundle, then you need to spread the
22 common costs across all Voice.

23 MR RIDYARD: Mr Parker.

24 MR PARKER: I would not agree with that. I think the first
25 point is that that the SAC combinatorial is a conceptual

1 benchmark. So exactly how BT chooses to behave is not
2 relevant to the simple proposition of if you make some
3 common costs over here, what is left over you should
4 assign over here. All it is trying to do we can
5 abstract from particular notions of how BT is behaving.

6 But then I think on the argument that BT behaved in
7 such a way, that is the bundle pricing fallacy, and that
8 is the discussion we had I think last week. BT has
9 every flexibility. This is just saying -- all the
10 SAC combi is trying to do is to say what would be
11 a reasonable price which would not be excessive for SFV
12 services? The answer is 13 times Mr Duckworth's
13 benchmark, 7 times BT's current price level.

14 It can get very, very large, and in some ways it is
15 just -- I think it is a symptom of a multiple of things.
16 It is a symptom of I think the common costs have been
17 over-estimated, I think it is a symptom of I think
18 margin has been over-estimated, and I think it is
19 just -- it is a weakness of SAC combinatorial in a world
20 where you have shrinking customer bases, because when
21 you have a very small customer base what it is saying is
22 it would be completely legitimate to recover all
23 the revenue gap on the increasingly small number of
24 customers.

25 You can see I do a similar example for standalone

1 broadband in a period where there is hardly any
2 standalone broadband customers, 40,000 or something, and
3 the numbers come up as it would be completely reasonable
4 under SAC combi to increase prices by 6,500% for those
5 customers because you have got to recover the common
6 costs. That is the idea.

7 I think that, to me, points to a really kind of
8 fundamental problem with the SAC combi generally and
9 with the inputs that Dr Jenkins has used.

10 I think another thing that it points to is if you
11 said you could raise the prices to here in order to
12 recover your common costs, that is an assumption --
13 there is an assumption built in which is that you will
14 not have an elasticity response from the customer base.

15 MR RIDYARD: It depends how you think what this
16 SAC combinatorial answer is doing. If it was just
17 saying: this is the ceiling and anything below the
18 ceiling is going to be okay, it does not mean to say
19 that you have the power to get to the ceiling, it just
20 means to say -- it just means you have a huge amount of
21 flexibility about how you price.

22 MR PARKER: Yes, I think that is fair enough, and I suppose
23 the fact that the ceiling could be so large suggests
24 that it is not a test that is very precise, given the
25 inputs that Dr Jenkins has used.

1 MR RIDYARD: Or simply it is a test which gives a lot of
2 flexibility on how you recover common costs.

3 MR PARKER: It certainly does that. Maybe that goes back to
4 the conversation yesterday of really what level are
5 these common costs.

6 As an aside, I think Dr Jenkins was talking about
7 some of the judgments she had used. One of the
8 judgments she did not point to, but it is probably just
9 worth mentioning, is the judgment that all common costs
10 are common to all services of BT Consumer. So however
11 you measure them, another way of thinking about the
12 common costs, and the way you really should think about
13 it in the SAC combinatorial approach, is to say: there
14 are pair-wise common costs between the combinations of
15 services, so there are common costs between Voice and
16 broadband, there are common costs in principle between
17 broadband and mobile, between broadband and TV, and
18 so on, all the sort of -- all of those.

19 Then you should look at the triple combinations, so
20 maybe there are combinations of, I do not know,
21 broadband, sport and TV and some common costs to those.
22 So you should build up all these common costs and you
23 should run the SAC combinatorial across -- in a more
24 fine-grained way, looking at the specific common costs
25 associated with each set of increments.

1 So another judgment that Dr Jenkins has incorporated
2 into her analysis is that all common costs are common
3 across all services, and therefore only need to do one
4 analysis, but that is just another factor to bear in
5 mind.

6 MR RIDYARD: Dr Jenkins, I would like you to come back on
7 two points there. One is that one, this comment about:
8 are common costs, do you treat them as common across
9 everything, and you say does that matter? Secondly,
10 I would like you to respond on this point about if you
11 have a narrower or indeed -- and/or shrinking group of
12 customers at some point, under the SAC combinatorial
13 test you are going to get a very high ceiling for them
14 if they are recovering a given amount of common cost
15 against an ever-shrinking base, and whether that is --
16 whether you see that as a problem or not.

17 DR JENKINS: So I think the SAC combinatorial is a set of
18 principles of thinking about how you address what is
19 a quite complex question, which is to say we have
20 a multi-product firm, it has direct costs and indirect
21 costs. How do we judge what would be reasonable in
22 a workably competitive environment? What I have sought
23 to do is make that tractable and pragmatic and reflect
24 the features of the market that exist.

25 So I do not think there is a rubric of this is the

1 way SAC combinatorial is done, such that you would not
2 take into account what actually happens in the market,
3 because the rubric does not include that.

4 I do not see it as that different from the FAC
5 approach that we have discussed, which involves a lot of
6 judgments, causality, you add information about how
7 things are actually done. All of -- any approach to
8 allocating indirect costs is going to require
9 information and judgment based on how businesses
10 actually conduct their affairs. So I think, as a matter
11 of principle, having it informed by how the market
12 actually operates is a strength not a weakness.

13 In terms of if you have declining -- a declining
14 number of lines that you are looking at, it does have --
15 it does indeed have that feature that if you look at the
16 standalone -- if you look at that as a standalone
17 business on its own, and you continue to have all the
18 costs of BT Consumer, that can lead to very high
19 apparent potential prices.

20 In the SAC combinatorial approach, that is why you
21 do not stop there, you look at these other combinations,
22 and by picking up broader combinations that recognise
23 that those common costs would be spread across the other
24 Voice customers, as people move away from
25 Standalone Fixed Voice to Voice sold in other ways,

1 effectively avoids that challenge and sets a quite
2 reasonable cost-plus benchmark from this approach.

3 MR RIDYARD: Does it avoid that challenge? Because you
4 could get a phenomenally high allowable margin on
5 a very, very thin slice of service. It would not -- it
6 would give an alarmingly high percentage profit, if you
7 like, or allow the profit margin, but it would not do
8 much to pay off the common costs. It still would not
9 make much contribution to total common costs.

10 If the slice is thin enough, then it would not be
11 doing much in terms of generating a lot of revenue, it
12 would just have a very high margin.

13 DR JENKINS: But the question is: given the other prices and
14 looking at all combinations, what is the price, the
15 highest price one can charge for Voice services such
16 that that costs are recovered? So while there may be
17 one or more combination where there is not much
18 constraint coming from that, there are combinations
19 where that is relevant. So it is the fact that you do
20 the combinations that obviates some of that challenge.

21 Now, I do not disagree that you can end up with
22 these very high prices on those narrow segments, and so
23 then you look at even in the DSAC approach there can be
24 some element of that, that you are recovering common
25 costs over a wider number of lines, but it is still

1 affected by this decline. Other than that, then you are
2 in Fully Allocated Cost territory.

3 So I think the combinations -- the approach by
4 looking at combinations does address this problem to
5 a great extent.

6 MR RIDYARD: Then the other one was the common costs.

7 DR JENKINS: Oh, that is right. I think that problem of
8 principle affects any cost allocation, arguably. Like
9 if someone is thinking about allocating common costs,
10 one ought to be dividing them up into all these
11 different forms of common cost and what do they
12 attribute to, and I do not think -- I am not sure that
13 was done for the RFS, I do not think that has been
14 proposed to be done.

15 I think, again, the approach I have taken has sought
16 to identify common costs for BT Consumer which -- I have
17 the citation in 7.122 of the joint statement. Let me
18 just get you a page reference, {E/49/133}. Actually
19 over the page, {E/49/134}, so the first full bullet on
20 that page.

21 So when Ofcom, in the VULA margin and the superfast
22 broadband cases, where they were looking to identify
23 what were the fixed and common costs of BT Consumer, did
24 explicitly classify the TSO fixed costs as being fixed
25 and common to all BT Consumer services since they be

1 expected to remain invariant even if BT were no longer
2 to have the BT Consumer business as a whole.

3 I have used that as my lowest common cost estimate,
4 in a sense to say there may be other common costs that
5 are linked to some combinations, but I think this is
6 a reasonable basis to say they are common to SFV
7 services and the rest to BT Consumer.

8 MR RIDYARD: So you are saying you think the common costs
9 that you have described as common are common across the
10 whole lot, rather than just being subsets?

11 DR JENKINS: Across the whole lot. There may be other
12 subsets, and all the rest of it, but particularly in the
13 cross-check that I have done, I have chosen the costs
14 that Ofcom had identified as invariant.

15 MR RIDYARD: Thanks.

16 Mr Parker, did you want to come back on those
17 points?

18 MR PARKER: I think perhaps Mr Duckworth should comment on
19 the last point. It is more his area than mine.

20 MR RIDYARD: Thanks.

21 MR DUCKWORTH: I think we had this debate yesterday.

22 I think this relies on kind of one statement from Ofcom
23 in a decision about VULA margin squeeze, which is the
24 VULA products or the retail products where you have
25 Triple Play products, including TV, sport, broadband and

1 Voice. Ofcom allocated costs on a LRIC+ basis, so it
2 did not really need to get down to the level of deciding
3 what costs were fixed and common.

4 I think the evidence is that when you are looking at
5 kind of small-scale players, they do not incur the level
6 of costs suggested by -- Dr Jenkins' is kind of a
7 minimum level of fixed costs in order to deliver
8 services. We will come on to the implications of that
9 for DSAC.

10 In terms of costs which are common to subsets of
11 services and not to the full portfolio of BT services,
12 we had a discussion yesterday about economies of scale
13 in Voice provision, which is part of BT's arguments
14 against projecting forwards from 2009, but that
15 implicitly assumes that there are some fixed and common
16 costs to the provision of Voice services.

17 So in that context, BT is arguing with some sort of
18 service-specific fixed cost, but then when Dr Jenkins is
19 carrying out her SAC combinatorial, there is no
20 reference to costs which are fixed and common to the
21 provision of Voice services or costs which are fixed and
22 common specific to television services or to broadband
23 services.

24 So I do not have full visibility of what is in the
25 TSO costs. I have looked at what Mr Cackett has said in

1 his testimony. I have looked at -- I referred to the
2 analysis that BT itself did of TSO costs in terms of
3 doing unit costs, and to me that suggested that there
4 are some costs which are not truly fixed and common
5 across all services within TSO.

6 But I do not have the full details of what is
7 underlying the TSO costs, so I think we need to balance
8 a statement made by Ofcom in one context against other
9 evidence that suggests that some of these TSO costs may
10 not be fixed and common across all services.

11 DR JENKINS: I would just say the top line of the page that
12 is still showing is there are three categories of TSO
13 costs: direct costs, which can be allocated to specific
14 market-facing units, and that explicitly discusses like
15 for a TV or something like that; TSO indirect costs,
16 where there is believed to be some causality, and they
17 are also generally allocated; and then TSO fixed, which
18 is the element I have taken, and it is that specific
19 element of TSO costs which Ofcom has identified as being
20 fixed and common and remaining invariant.

21 As Mr Duckworth says, in this exercise Ofcom was
22 looking to find as much as it could that was variable to
23 allocate, so it was leaving behind as little as possible
24 that it identified as truly fixed and common, and it is
25 that that I have used as my cross-check to my own

1 assessment of what looks like to be the common costs of
2 BT Consumer, you know, things that I have included,
3 which would include some contribution to marketing
4 because the BT brand would be an example of something
5 that would be common across all the services that
6 BT Consumer would serve.

7 MR RIDYARD: Okay. Right.

8 So the next topic was the DSAC approach that has
9 been used, the distributed standalone cost approach
10 which has been used by Dr Jenkins.

11 Actually, Dr Jenkins, you did give us a brief
12 summary of that earlier today already, so maybe I could
13 pass that over to Mr Parker or Mr Duckworth to say what
14 are the concerns with this approach, given that Ofcom
15 has used this as a way -- as a pragmatic device, anyway,
16 for dealing with the complexity of these situations.

17 MR DUCKWORTH: So Ofcom did use DSAC as a cost measure in
18 a particular context, which was the regulation of
19 wholesale network services where there was an overall
20 price cap in place on those services which prevented,
21 across a portfolio of services, BT making excessive
22 returns.

23 There was in addition a cost orientation requirement
24 on individual products preventing a very
25 disproportionate recovery of fixed and common costs, but

1 giving BT a lot of flexibility to recover more or less
2 fixed and common costs from particular services.

3 This was in the context of what is now called
4 business connectivity market, so connections to large
5 corporations. Then, as I mentioned yesterday, there is
6 a degree of heterogeneity in that market. You have some
7 SMEs, you have some very large corporations, and so the
8 use of DSAC to allow a certain amount of flexibility
9 within an overall price cap seems justified in that you
10 may want to recover more costs from large corporations,
11 or a greater proportion of common costs from large
12 corporations, compared to, say, SMEs, and Ofcom judged
13 that that would be potentially kind of welfare-enhancing
14 to give BT a degree of ability to kind of price
15 discriminate between different users.

16 MR RIDYARD: So you think the flexibility that Ofcom had in
17 mind there for BT was greater than the flexibility that
18 they should be offered in respect of this case?

19 MR DUCKWORTH: I am putting that that is the kind of context
20 of how DSAC was used by Ofcom, and previously Oftel, in
21 that environment. I think that is different from an
22 excessive pricing case, the first point being that we do
23 not have an overall price cap on the kind of total
24 portfolio of BT Consumer services here, whereas in those
25 contexts there was no ability for BT to make excess

1 profits overall because any sort of -- under a price
2 cap, a sort of basket approach, any sort of increase in
3 price for one service would require another service to
4 have a kind of offsetting decline in prices.

5 So there was a degree to which overall excessive
6 pricing was not an issue. The issue was to try and give
7 BT flexibility but not unbounded flexibility. Unbounded
8 flexibility could potentially be used in ways which were
9 sort of anti-competitive, potentially, given this was
10 a market where competition was developing.

11 So that was the context in which Ofcom applied DSAC.

12 I think the context is quite different here. What
13 we are trying to do is understand the costs of
14 production and a reasonable attribution of fixed and
15 common costs under workable competition, and part of
16 that is understanding the constraints placed on BT
17 potentially by alternative operators.

18 Dr Jenkins has looked at a DSAC approach and said,
19 well, let us look at the standalone costs of
20 a relatively small increment here. It is, as she
21 described earlier, it is the kind of SFV services in the
22 class, plus BT Basics, plus Home Phone Saver, and said,
23 you know, I will look at the -- Dr Jenkins' estimate of
24 the standalone costs of providing that service, I will
25 look at the common costs for providing that service and

1 distribute that over those lines.

2 My -- I have got two concerns with that approach.
3 The first concern is effectively it is assuming that
4 a provider who just provides Voice services and does not
5 provide bundles, including Dual Play, Triple Play, is
6 effectively a binding constraint on BT. I do not think
7 that reflects the competition in the market, I do not
8 think -- there is an example of an operator who solely
9 provided Voice products during the claim period and then
10 did not provide any of the other services. So
11 competitive constraints on BT's ability to kind of
12 recover fixed and common costs did not come from someone
13 just providing Voice services on a standalone basis.

14 So that is kind of a conceptual point.

15 The second point is if you look at Dr Jenkins'
16 assumptions on the standalone costs of providing just
17 Voice services, those do not look credible given the
18 scale of the Voice lines alone without including the
19 kind of Dual Play services. So again, we are back to
20 this assumption that if BT were to provide just Voice
21 services on a standalone basis, they would incur this
22 large proportion of fixed and common costs, the sort
23 of -- well, taken from Dr Jenkins' table, the sort of
24 £282 million common costs as well as the direct costs
25 and any indirect incremental costs just to provide Voice

1 services.

2 That is just not a sort of a credible answer for the
3 costs of providing Voice services. If BT were to just
4 provide Voice services and not any kind of Dual Play or
5 broadband services or sport, then it would be able, in
6 my opinion, to flex some of these costs that Dr Jenkins
7 has considered to be fixed and common to reduce those
8 costs. So TSO costs or a fixed recharge must have
9 some degree of flexibility to reduce those costs if you
10 were going down to a standalone business just providing
11 Voice services.

12 MR RIDYARD: There are quite a few different points there.

13 Dr Jenkins.

14 DR JENKINS: I am not sure I will pick up all of them, so do
15 prompt if there are any further you would like me to
16 comment on.

17 I think actually just the latter part of
18 Mr Duckworth's answer, which is the fact that there may
19 be competitive constraints such that a business does not
20 charge the price that would be fully reflective of the
21 benchmarks that come out of this. I do not think that
22 is necessarily surprising nor of concern, since the
23 point here is to ask the question: what would be the
24 cost -- reasonably attributable cost benchmark against
25 which to judge whether or not the prices that we observe

1 are consistent with workable competition?

2 So where we are taking the upper bound of those,
3 which we are, because what we are asking is, versions of
4 pricing where we recover common costs predominantly from
5 the service of interest. So the fact that the price is
6 below these benchmarks generally is a sign that there is
7 effective competition, workable competition, that is
8 constraining that price below that reasonably
9 attributable cost benchmark.

10 So I do not think you can say that the cost
11 benchmark needs to match observed pricing. That is not
12 the exercise that we are looking at here.

13 MR RIDYARD: The competition is coming from bundle
14 suppliers, so you do not need to think about --

15 DR JENKINS: Bundles and other SFV suppliers at the time.
16 They were facing competition on -- both for the
17 Standalone Fixed Voice and also that these customers,
18 the reason these customers are falling over time is
19 because predominantly they are switching to bundled
20 products.

21 Now, the way that DSAC works as a cross-check, it
22 does mean that for the same proportion of common costs,
23 as the number of lines fall for all SFV products, you
24 end up with the fact that you can get very high
25 benchmarks because you are recovering those common costs

1 on a smaller group of customers.

2 If we go to {E/17/234} in my first report -- could
3 we have {IR-E/17/234}, to be fair. We need to see the
4 last two years.

5 You see that towards the end of the period -- now,
6 this is the baseline common costs. If you use the low
7 common costs, then for the later periods the benchmark
8 comes down to 40 to 45, and that you can see, I will not
9 take you there, but that is in my sensitivity
10 Table 6.10.

11 What you know, at the beginning of this period there
12 are still plenty of SFV customers, around 3 million, but
13 by the end, where we are only focused on SPCs, there are
14 only around 300,000, and that is reflected -- that is
15 part of the explanation of why this benchmark is going
16 up.

17 Now, what we have done -- what I have done here is
18 distribute those common costs, not only over the Class
19 Members, this chart is showing you the impact on Class
20 Members, but the other common costs are being recovered
21 from the Voice Only customers who are protected
22 post-commitment, so those lines, the Home Phone Saver
23 customers and BT Basic customers. So that is where the
24 rest of the common costs are being distributed in this
25 approach.

1 So certainly at the beginning of this period,
2 I think this is definitely meaningful in the sense that
3 you have a good chunk of lines. As you go towards the
4 end of the period where you have fewer and fewer lines,
5 then the DSAC may not be as useful a cross-check on the
6 SAC combi as it is at the beginning of the period.

7 MR RIDYARD: Okay. Mr Duckworth also made some comments
8 about the context in which Ofcom and Oftel used DSAC and
9 whether that was applicable to the current situation.
10 Any reactions to that?

11 DR JENKINS: I think as a principle you can apply the
12 distributed standalone cost in any context that you are
13 thinking about standalone costs. I think Mr Parker's
14 suggestion was to broaden the set of services over which
15 you distribute the common costs, to include bundles as
16 well, on the argument that, as I agree, many of the
17 Standalone Fixed Voice customers are switching to
18 bundles.

19 Now, my answer to that is okay, once you add bundles
20 in here, this is basically becoming a Fully Allocated
21 Cost approach. So absolutely it is something to look at
22 and I do present some sensitivities on that, but because
23 of the way distributed standalone cost works is it says
24 broaden the increment you are looking at, the services
25 that you are looking at, and then, in a sense,

1 distribute using a Fully Allocated Cost principle, using
2 some allocator, distribute the common costs across that
3 element, and what I have actually used is an
4 equi-proportionate mark-up, an EPMU approach for this.

5 So if you add all the bundles as well, you are just
6 back to asking the question: how should we allocate
7 common costs across the range of BT's services? Then we
8 could use a range of allocators at that point.

9 So I think you can use the concept of thinking about
10 a broader increment than just the service of interest.
11 I think if you are doing that, the group that I have
12 chosen is the right group. It is all the
13 Standalone Fixed Voice customers. Therefore it is
14 another useful piece of information to judge the pricing
15 flexibility that would be observed in a workably
16 competitive market.

17 MR PARKER: Could I maybe comment? Because Dr Jenkins was
18 talking about my DSAC sensitivity, so perhaps we could
19 turn up {IR-E/5/111}.

20 I think my main concern with DSAC is really that it
21 is just arbitrary to the choice of the increment over
22 which you are going to distribute your common costs. So
23 Dr Jenkins has broadened it out to include Home Phone
24 Saver and BT Basic. All I have done here is just to
25 illustrate, you could pick another arbitrary combination

1 by also including bundles, and if you do that then you
2 get a much, much lower benchmark. You can see that in
3 Table 8. By the end of the period we are talking about
4 magnitudes of a difference of sort of 250%, if not more.

5 I do not think this really tells you anything, to be
6 honest. I think it just tells you that if you pick an
7 arbitrarily small combination to recover your common
8 costs over at any level of common costs, that will give
9 you a high number relative to picking a broader
10 combination.

11 I think to the extent that all firms in this market
12 seem to be operating on a multi-product basis, I am not
13 sure why you would restrict your attention just to SFV
14 services. So, for me, this does not really add much.
15 This is just a different way of cutting the common cost
16 cake that Dr Jenkins suggests is the right level of
17 common costs.

18 MR RIDYARD: I think this is a theme that we keep coming
19 back to in a lot of these discussions, that with
20 versions of standalone cost you end up giving more
21 flexibility, which is the advantage claimed for it by BT
22 and its experts, but it is ...

23 MR PARKER: I think it would not arise in workable
24 competition. This goes a bit back to the Bliss idea,
25 that you have a whole bunch of services and people are

1 coming in and serving across all these services. The
2 market will find competitive price levels, including
3 allocations of common costs a la Bliss, but -- because
4 if you try to recover too much on one service, other
5 people think: I can do a bit better, I can undercut and
6 get more customers, even though I am making slightly
7 less recovery of common costs.

8 I do not think that saying, well, if we restrict
9 attention just to this and say this is the costs, and we
10 could end up at a price in the £50 range, is actually
11 consistent with where a competitive market would get
12 you, or indeed this not terribly competitive market, in
13 my view, has actually got us to.

14 So I think the idea that a workably competitive
15 market could give you more than double where we
16 currently are seems a bit surprising, particularly in
17 the context of Ofcom having already intervened at some
18 lower levels.

19 MR RIDYARD: We next have a set of questions about scale and
20 fixed cost allocation. In a way, we already partially
21 covered this yesterday, incidentally, to the discussions
22 we were having then, but I think it would be useful just
23 to go over these points again.

24 The context for it I think in the discussion -- in
25 the joint experts' report was really whether -- it was

1 related to whether this question about scale was
2 revealing something about Dr Jenkins' view of the common
3 costs being too high.

4 Why do I not ask Mr Parker to start on this. What
5 is your perspective on thinking about what scale reveals
6 about the nature of common costs and whether that does
7 provide a good benchmark?

8 MR PARKER: I think it does. So if you take the view that
9 all common costs are common across all services and all
10 retail telco services, which I believe is Dr Jenkins'
11 position, then you should not be able to operate at
12 a level below that full allocation of common costs, and
13 even then you still have to cover your direct costs,
14 your indirect costs, your incremental costs and so on.

15 So for me it tells you something about -- that
16 Dr Jenkins has very substantially overestimated the
17 level of the common costs, because people would not be
18 able to survive at the level that they are operating
19 these services if the level of common costs was the
20 level that Dr Jenkins suggests.

21 MR RIDYARD: But then your examples of people operating on
22 a small scale were the Post Office and SSE, was it
23 not --

24 MR PARKER: -- Mr Duckworth's report at pages 39 and 40 of
25 the second report. There is Post Office, there is SSE.

1 There is even Plusnet, which is operated on a sort of
2 standalone arms-length basis by BT, which again ... The
3 SG&A and D&A costs of Plusnet are less than Dr Jenkins'
4 estimate of standalone, you know, of fixed and common
5 costs required.

6 So I think there are multiple data points there.
7 I think we had a bit of a discussion about that these
8 firms would be able to operate on different scales or
9 different scopes, and so on, but that just tells me that
10 those costs are not fixed and common, because it is
11 different.

12 MR RIDYARD: The way this was expressed yesterday was maybe
13 that the Post Office and SSE were not small-scale
14 businesses, they were also benefiting from their own
15 larger scale -- the platforms that they developed in the
16 Post Office business in its business, and in SSE with
17 its energy business, and whether there was a question
18 mark about whether these truly are standalone players in
19 telecoms.

20 MR PARKER: I go back to: Dr Jenkins' view is that these
21 common costs are fixed and common across retail telco
22 services, then the fact that SSE has an energy business
23 and Post Office has a postal business is not relevant to
24 those costs, it is basically as soon as you get into
25 retail telco it is £400 million up-front, and that is

1 the minimum you have to spend. So I do not think that
2 other businesses that you do off the side are
3 necessarily relevant to that.

4 MR RIDYARD: Dr Jenkins, what is your view on that?

5 DR JENKINS: Yes, as we did discuss yesterday, and
6 Mr Matthew also contributed on that question, is that
7 there is not a true standalone SFV provider in the
8 market. Without rehashing everything again, it is that
9 if you were to say that Post Office may not be
10 a telecoms business, SSE may not be a telecoms business,
11 but they are competing as a retailer of services to
12 households, they are doing that in different ways, and
13 if you actually went into SSE and said what are the
14 common costs? So, okay, again, if you said, well, what
15 is the incremental cost of providing energy,
16 electricity, gas, insurance, telecoms, all of those
17 things, what are your common costs that are across all
18 of those, including the brand, the customer management
19 systems, the central office costs? Nobody has done that
20 exercise to say what is the common costs of providing
21 those services, which would then give them some
22 flexibility about how they then recover those costs
23 across the different services and customers they offer
24 services to.

25 So I think here we are looking at what are BT's

1 common costs, and that is what I have sought to estimate
2 here.

3 MR RIDYARD: Yes.

4 Mr Matthew, anything to add to that? We do not need
5 to repeat stuff we have already done yesterday.

6 MR MATTHEW: Yes, just -- so I will not repeat the point.

7 We are trying to estimate standalone costs here, and the
8 standalone costs for the Post Office could be a lot
9 higher than the costs they have attributed to it in
10 their business.

11 Just another comment about Mr Parker's point
12 generally, though. I may have misunderstood, but if the
13 point is the standalone cost should always be
14 recoverable from any individual element, so the way you
15 think about a platform, a multi-product platform which
16 has several products which has a large common cost, say,
17 you work out, yes, it is true the standalone costs of
18 the individual components might be fairly high, but in
19 general you do not expect firms to be able to set prices
20 at their standalone costs. So the point is they are
21 recovering those costs across all of the products, not
22 just one of them. If you are a supermarket you do not
23 recover all of your costs through bread.

24 So that is a feature of the way multi-product
25 platforms work, and what you are trying to do is

1 evaluate where are the boundaries for flexibility and
2 its fit for purpose value. You do not need to test
3 whether each individual component would be able to
4 make -- cover all its common costs in relation to that
5 part of the business alone in order to say, well, the
6 common costs are therefore only reasonable if that is
7 what you can do.

8 MR RIDYARD: Yes, I see that. But in a way, that is the
9 criticism of using standalone cost as a ceiling for
10 pricing when there is an allegation of excessive
11 pricing, because --

12 MR MATTHEW: So this takes us back to the issue we are
13 wrestling with, which is there is a fundamental problem
14 in economics, a well-known one in regulation, which is
15 when you have a multi-product platform where there are
16 significant common costs, there is no single right way
17 to attribute those and it is particularly hard to get
18 round it. That is why, in most cases, people would be
19 doing all the sensitivity checking when they are trying
20 to rely on a particular allocation, because it is known
21 that no single allocation is necessarily right or -- and
22 that it is an intrinsically unstable basis on which to
23 reach a finding.

24 That is why I think in *Phenytoin*, I am not surprised
25 they did a standalone costs cross-check to their

1 findings for that kind of reasoning, and it is what you
2 would usually expect in this situation. Dr Jenkins'
3 approach is one pragmatic way to deal with it, the other
4 way is to use cost allocation but do lots of
5 sensitivities. But what we are dealing with is a very
6 difficult problem, and if it is not resolvable it takes
7 you to the reliability of the cost-plus method in this
8 case, which may not be that helpful, ultimately.

9 DR JENKINS: I would just add that I have not relied on
10 a standalone cost alone. It is the combination,
11 standalone cost across the combinations, which is
12 precisely seeking to lessen the amount of flexibility by
13 recognising that some of those common costs are
14 recovered through the demand side constraints that you
15 observe by the actual revenues that are recovered from
16 the other services.

17 So you do bring in that, and then have still some
18 flexibility there, but it is recognising, just as
19 Mr Matthew said, that in reality common costs will not
20 be recovered from just one service, they are contributed
21 to from the other services, and it is only what is left
22 after that that would then form your cost benchmark
23 point of determining pricing.

24 MR RIDYARD: Understood, thanks.

25 I think I would now like to go on to the questions

1 which I skipped over yesterday, which is back on
2 section 5, number 5 of our list, at the bottom of page 1
3 and top of page 2.

4 This is where we had some questions about the notion
5 of workable competition, and these are much broader
6 questions really, but would like to try and explore the
7 extent to which your expertise here can help us to get
8 some practical guidelines, really, on how we should deal
9 with the concept of workable competition and a sort of
10 cost-plus benchmark.

11 So the first question, which maybe I could put to
12 Dr Jenkins, is: should we be thinking that there is
13 a range of prices that is consistent with workable
14 competition, or should we be trying to get to a more
15 precise answer to that question, and what is the reason
16 for your position?

17 DR JENKINS: I think there are a range of prices that are
18 consistent with workable competition and I think over
19 the last day and a half we have discussed -- sorry,
20 there are a range of prices consistent with workable
21 competition, and there is certainly a range of cost-plus
22 benchmarks in terms of how a business thinks about its
23 cost base and how different businesses might think about
24 how they recover the costs of their business from their
25 different customer groups.

1 So I had in my answer jumped to saying if we are
2 thinking about within workable competition, the extent
3 to which prices that reflect costs can vary. I think
4 under workable competition there is a wide range of ways
5 in which businesses think about recovering their costs,
6 particularly where there is a reasonable level of common
7 costs, it does not need to be high, but just
8 a reasonable level of common costs will drive a wide
9 range of pricing potentials.

10 So there is not a single conceptual benchmark in
11 a competitive market where you have a multi-product firm
12 with economies of scope and, in addition, in our
13 situation, you have these demand inter-relationships
14 between the products themselves. So these
15 inter-relationships are not just coming from the supply
16 side in terms of sharing costs, they are also coming
17 from the fact that how you price one product affects the
18 demand for other products, so that leads to a wide range
19 of potential outcomes.

20 MR RIDYARD: Specifically there you are referring to the
21 possible incentive when setting the price for Voice Only
22 to encourage people -- or the price you set for Voice
23 Only might affect the probability of that customer
24 trading up to a bundle.

25 DR JENKINS: Yes, that is right. So going all the way back

1 to last week, that recapture incentive discussion which
2 was agreeing that in a competitive environment, where
3 firms sell products that are substitutes, they have an
4 incentive -- they can have an incentive to raise
5 the price on one product to -- because they are going to
6 encourage or recapture customers that switch to the
7 substitute.

8 MR RIDYARD: Mr Parker, can we get your thoughts on this
9 question?

10 MR PARKER: Yes, so I think the simplified version is let us
11 suppose we do not have any common costs or they are not
12 material, then I think we are talking that there is
13 a single cost-plus benchmark, so you have got direct
14 costs, what we are calling indirect incremental costs
15 and we have an appropriate margin, and that is what
16 competition should drive you to. So I think it is
17 a good benchmark for what would arrive under workable
18 competition, as I think I probably mentioned the
19 previous week.

20 Then there is the question of what do you do in
21 a world of common costs. I think in a world where
22 common costs are not terribly material, which given the
23 evidence we have seen and the smaller providers I think
24 is where we are, I think it largely boils down to there
25 is a cost-plus benchmark with a little bit of common

1 cost, but however you attribute those is not going to
2 make a lot of difference.

3 If Dr Jenkins is right as to the common cost, then
4 there is a much more kind of serious issue or discussion
5 to be had about how do you allocate those common costs
6 out to get to the right benchmark.

7 I think that if all the services in the market were
8 competitive, then the Bliss paper essentially tells you
9 there is an answer. So if you go into a supermarket and
10 the relative prices of the products in there are pretty
11 similar, competition drives supermarkets to levels of
12 cost recovery on products that are pretty consistent
13 across firms.

14 So I do not think I would say -- I do not think it
15 would be right to say because there are large common
16 costs somehow in a workably competitive market there is
17 a very wide level of flexibility.

18 I think if you see this is the level of common cost
19 recovery given that you have measured everything else
20 correctly across N minus 1 of your products, then that
21 probably does tell you something about the benchmark for
22 the n th product. I am not convinced here that the sort
23 of SAC combinatorial version of that has been done
24 correctly but it is essentially giving you the
25 conceptually same outcome, but you would have to do it

1 with all the services. You would have to get the right
2 common costs and so on.

3 I think for me there is a cost-plus benchmark with
4 an appropriate allocation of common costs. That is what
5 a workably competitive market would give you.

6 Then I think the question of flexibility is more
7 around the measurement of the relevant inputs and how
8 much wriggle room you think you need to add beyond that.

9 MR RIDYARD: Let us explore that a little bit. Let us put
10 our common cost problem to one side and say we do not
11 face it. There are no common costs in an industry. How
12 confident are you there? You seem to be very confident
13 that the competitive level is just a long-run -- the
14 cost. But I mean, does that work when you have firms of
15 different levels of efficiency or scale and so forth?
16 Could you not get some firms, some inframarginal firms
17 with much higher profits than the marginal firms?

18 MR PARKER: Yes. So if you have greater efficiency, if you
19 have higher quality than your rivals, you as a firm will
20 be able to make profits above the competitive level and
21 not in a nefarious way but in a way that I think is
22 completely legitimate. I think that still gives you --
23 the conceptual cost plus benchmark there is direct costs
24 of the marginal firm, indirect incremental costs of the
25 marginal firm, margin of the marginal firm. Everyone

1 should be able to have similar cost in terms of weighted
2 average cost to capital if they are doing the same sorts
3 of services.

4 MR RIDYARD: So the firms who are not the marginal firms
5 could be earning well in excess of cost in this workable
6 --

7 MR PARKER: That is right. Let us suppose there is a firm
8 that is making returns in excess of that benchmark, what
9 is the reason for that? Is it to do with efficiency?
10 Is it to do with quality? Is it because you have not
11 actually taken the inputs correctly? So one of the
12 things, one of the topics that we have been discussing
13 is the sort of rebalancing idea between access and
14 calls. If you were just looking at one of those you may
15 miss the issue that there is the possibility of some
16 rebalancing, so you should look at that sort of
17 combination of products together.

18 Another example, we have talked about the
19 introductory follow-on idea. I think that has come up
20 in the context of mobile phone handsets and ex post
21 termination charges. You might subsidise the handset
22 because you know you are going to make the termination
23 charges. I know we are talking 20 years ago now and
24 this was really a relevant consideration but I think
25 that is also something you should include in that cost

1 benchmark.

2 But I still think that gives you a benchmark against
3 which you can then do an exploration of, is there
4 a reason to think that we have got this rebalancing
5 going on that has not been taken into account that we
6 have an introductory follow-on case, that the firm in
7 question is clearly more efficient than its rivals, that
8 it has a superior product or something uniquely
9 attractive.

10 I would put all of that -- I would calculate the
11 benchmark, it is in context of sort of how one might do
12 it in *United Brands* and obviously that is not for me to
13 say but the way I have been thinking about it is I would
14 calculate the benchmark and then I would look at those
15 factors in the context of significant persistent. So
16 I would say, is it significantly above? Is there some
17 reason why that is okay, because of efficiency, quality
18 and so on.

19 So that is where I think I would I think --

20 MR RIDYARD: The size of that gap could be anything, could
21 it not? I mean, it does not have to be a small
22 difference, does it? If you had a big variation --

23 MR PARKER: If you had a super efficient firm that was
24 demonstrably much more efficient than anyone else the
25 size of that gap could be very large and therefore I

1 would say it is not significant and persistent --

2 MR RIDYARD: Even though it is not significant.

3 MR PARKER: In that world because we have got a kind of
4 objective reason. I think this is -- I cannot remember
5 whether it is case 1 or case 2 of the kind of Tribunal's
6 approach in *Hydrocortisone*, but there is a clear reason
7 why, if you can establish the evidence for it, why the
8 firm in question is just much more efficient than its
9 rivals and that you would want to take that into
10 account.

11 So I think -- I get the benchmark. I would try and
12 measure the benchmark as accurately as possible and then
13 I would try and work out is the firm above the
14 benchmark? What are the reasons for that? Is there an
15 obvious pro-competitive justification for that and that
16 would all go into the assessment of significant.

17 MR RIDYARD: Yes, Mr Matthew.

18 MR MATTHEW: Could I comment?

19 MR RIDYARD: Please.

20 MR MATTHEW: It is a fascinating theme.

21 In my view the range of possible outcomes and
22 structures that would be counted as workable competition
23 is much more diverse than Mr Parker has described and
24 that is shown up, as I discussed yesterday, if you
25 just -- you need to go no further than retail telecoms,

1 the bundle part, which is workably competitive, to find
2 very diverse pricing strategies, a high degree of
3 differentiation in the sort of strategic positioning of
4 the main players, differences in customers' demands for
5 different aspects of the services being provided and
6 differences in search costs.

7 Those can very quickly, as that sector shows, lead
8 to very diverse outcomes in prices and they do not all
9 tend straight to one single cost item. I think that is
10 not only because there are common costs, I just think
11 that in a lot of markets which are oligopolistic which
12 feature those kind of aspects which is going to be a lot
13 of markets you will simply not find it to be the case
14 that if I know what the cost is I can predict exactly
15 what the prices will be or even very closely. We just
16 get a lot of dynamism.

17 MR RIDYARD: Let me just stop you there. Do we have good
18 evidence on that in the telecoms market and/or do we
19 have good evidence on that more generally from the
20 economy as you suggest?

21 MR MATTHEW: On the telecoms market, I am just speaking from
22 just general observation that when you plot telecoms
23 prices you see a lot of variation. Some of it is
24 different providers. Some of it is different provider.
25 So, for example, TalkTalk typically is seen as the

1 cheaper operator in the market and has positioned itself
2 differently and has perhaps different aspects to its
3 services that go with that in terms of service quality
4 and things like that.

5 MR RIDYARD: I am sorry to interrupt, I am not disagreeing
6 with you or doubting what you say so much but just
7 saying is there material on the file that we can refer
8 to to test this proposition for ourselves?

9 MR MATTHEW: I do not have the reference but I understand in
10 the evidence week there was reference to some charts
11 that show quite wide variation in the prices. It would
12 not be too difficult to find other plots from other
13 cases if they are not on the file where it shows you get
14 a diversity of pricing.

15 So, for example, I am aware of there was a review
16 done into Hull Telecoms a while ago that I was part of,
17 which is not interesting because Hull is a separate mini
18 market that has its own little monopoly, but the reason
19 that is interesting is because it actually has some
20 retail market power because there is not the same
21 wholesale base competition.

22 So what happens in the BT part of the world is used
23 as a reference point so you see plots there of a variety
24 of different prices when you are trying to do those kind
25 of comparisons.

1 I am also aware that in the case of the end of
2 contract notification paper which again I do not know is
3 on the file, but it is an Ofcom review into the
4 differences in how well people who shopped around a lot
5 were getting out of the market compared to those who
6 tended not to renew their contracts. I believe there
7 were figures there saying quite large differences
8 depending on which group you are in on average and then
9 within that there will be a further dispersion. I think
10 from memory the difference is £10 to £13 a month, so
11 bigger than we see here in SFV.

12 So in terms of the broader economy I do not have
13 evidence. I just believe that if you look in a lot of
14 markets not very hard you will find quite a lot of
15 variety in the sorts of prices you get.

16 Just a point, these are dynamic over time. I was
17 thinking about this the other night and I was thinking
18 about something if you use Amazon Prime, for example,
19 you pay a subscription, this is the TV service. I do
20 this because my children watch it a lot, and you pay
21 a subscription and they give you a bunch of movies for
22 free and then you pay for extra ones and you can see
23 quite a lot of difference in how much people are
24 charging for the movies and it does vary.

25 The sort of thing that sort of falls into place

1 there is, suppose you have got an independent movie an
2 Ingmar Bergman film often you will find it has quite
3 high prices and the reason for that is there are a small
4 number of people who value the Ingmar Bergman film a lot
5 so the price goes up. Whereas if you set a low price
6 then a few more people would watch it but not very many
7 and you might change those decisions over time, so
8 people move around a lot.

9 So I think you do get dispersion in competitive
10 markets. My second observation was just going to be
11 coming back on the profit point. You do get workably
12 competitive markets that generate more than zero
13 economic profits which I think is the reference point
14 Mr Parker was referring to.

15 One would be if one firm is much more efficient than
16 the others it will earn a rent from that. Then the
17 others will not and overall the market will generate
18 a positive economic profit and that firm will make
19 a positive economic profit.

20 But there are other cases it could just be first
21 mover advantage. So again, I would need to do research
22 but I believe that in quite a few cases where one firm
23 sort of starts off being the big one and attracts entry
24 in competition over time, fizzy drinks was mentioned
25 earlier, you have a position where that firm may well

1 retain its leadership position for very long periods of
2 time, possibly decades, and the competition clearly does
3 set the market price and the market outcomes but that
4 firm's first mover advantage might persist to
5 some degree for a very long time as it has the brand
6 image and people are used to using it but you still
7 count it as a workably competitive market down the line.

8 Other very simple examples would be a lot of
9 oligopolies will have imperfect competition and end up
10 setting prices above costs and it is often not the case
11 that entry is so easy and free that that will compete
12 the other way. So you can get a wide range of markets
13 where it is not true that full contestability is the
14 benchmark for workable competition. That is the
15 benchmark for fully effective competition that drives
16 out all profit.

17 MR RIDYARD: I think we should leave it there. We will
18 continue with this topic after the lunch break. Thanks.

19 THE CHAIRMAN: Thank you very much. 2.05, please.

20 (1.05 pm)

21 (Luncheon Adjournment)

22 (2.05 pm)

23 MR RIDYARD: Right, we have a couple of questions to finish
24 off on this topic of the notion of workable competition
25 and what it means for the cost-plus benchmark.

1 Mr Duckworth, did you want to contribute on that topic,
2 or ...

3 MR DUCKWORTH: I do not think I have anything to add to what
4 Mr Parker said.

5 MR RIDYARD: Mr Parker, did you want to comment on what
6 Dr Jenkins and Mr Matthew had said there?

7 MR PARKER: I think there was a discussion about sort of
8 ranges of prices being observed. I think I would
9 suggest two things. One, yes, range of prices are
10 observed, but I think if you look at ARPUs where you
11 have got these multiple products going on, that will
12 cover the product mix, and that will kind of control for
13 those sorts of differences. So ARPUs are all the bundle
14 products, for example, Dual Play products. Then, so
15 I think it would be sensible to look at an ARPU measure
16 against a benchmark if there was some price dispersion.

17 MR RIDYARD: I am not sure I understand that. I mean, ARPU
18 is an average, so how can it help you understand
19 dispersion?

20 MR PARKER: If there is dispersion then you should look at
21 an ARPU. I do not think that is what is going on here,
22 because we are in SFV services, and it is fairly clear
23 that we have -- you know, certainly from an access
24 perspective, the list price is the ARPU, and it is just
25 one unit, and then we have some added information on

1 calls, and so on, which gives you the average across all
2 the customers.

3 So I think you can boil down that price dispersion
4 to the ARPU and then you can compare that against the
5 benchmark for those services, again, on average.

6 I think there has been a bit of a discussion about
7 the role of the persistent part of the test, because
8 I think it is right that in competitive markets you will
9 see some firms at times making higher profits than the
10 competitive benchmark. If the competitive market is
11 working well, that should not be persistent, because
12 whatever the source of that competitive advantage is, it
13 should be being competed away, and so you might innovate
14 for a short period of time. Rivals then -- you do well,
15 greater than average returns for a period of time, and
16 then rivals copy, and then you try and get ahead again,
17 or they try and get ahead again, and so on, and you end
18 up with this. It is likely that you would not see
19 persistency. Or if you do see persistency and
20 significance at the same time, you have to ask yourself
21 why is it that this firm is able to maintain prices
22 above the cost-plus competitor benchmark for a long
23 period of time?

24 MR RIDYARD: If the competitive benchmark -- so that is
25 saying why should one firm be able to beat -- have costs

1 which are below the competitive benchmark for a long
2 period of time.

3 MR PARKER: Yes, and that goes to the discussion I was
4 suggesting earlier, which is you then need to dig into
5 why that is and whether that is for legitimate reasons,
6 for competitive reasons, greater efficiency, quality,
7 and so on. But I do not think the observation that
8 competitive markets give you periods of time where firms
9 are above the competitive benchmark invalidates the idea
10 that if you see prices for one firm significantly and
11 persistently then there is a question to be answered and
12 explored.

13 MR RIDYARD: Yes, but that still leaves the question of what
14 do you do about it once you have done your exploration.
15 If you accuse a firm of excessive pricing, then it is
16 likely to be a profitable firm. So how do we know
17 whether it is profitable, because it has exercised
18 market power, or whether the level of profitability is
19 consistent with the variation that we might expect to
20 see in a workably competitive market?

21 MR PARKER: I think you can reduce the variation down to
22 the -- by using the averages, and then I think you
23 should look at all the potential explanations to see
24 whether they hold, and I am sort of slightly
25 anticipating the conversation we are about to have but

1 we can start that off. Is there a reason to think that
2 BT is more efficient than rivals? I am not sure we have
3 evidence to suggest that is the case. Are SFV services,
4 do they exhibit substantial levels of innovation? I do
5 not think that is the case, and so on.

6 So I think I would want to do it by looking at the
7 benchmark, doing the best benchmark we can, looking
8 above that. If it is significant and persistently above
9 that, then start looking for what is the reason for
10 that. Can we think of an objectively justified reason,
11 essentially, for why that might be the case.

12 Having taken all that into account, then you can
13 say, well, are we -- do we think there is a good
14 reason -- is there enough variation out there, a sort of
15 natural variation would be one factor to take into
16 account, as would measurement error of certain of the
17 inputs to the cost benchmark, or in principle to
18 the price measure. So I think, for me, all those things
19 go in the mix and they go to the significant and
20 persistent test.

21 MR RIDYARD: Dr Jenkins, in your reports, when you look at
22 the cost benchmark, you do take the view that there is
23 likely to be a variety of outcomes which are consistent
24 with workable competition, and so when you construct
25 a benchmark against which, you know, to judge BT's

1 pricing, you opt for this 90th centile approach. Can
2 you explain why you have taken that approach and why you
3 chose the 90th centile as opposed to the 75th or some
4 other number?

5 DR JENKINS: There are two considerations I think with
6 respect to the variation, the ranges that we have been
7 talking about when we are thinking about cost-plus. The
8 first of those, which we have spent plenty of time
9 talking about, is in a sense the cost element, that
10 there is a range of options that might be taken to how
11 you allocate costs in any business, and then there is
12 the plus element which is what is the reasonable rate of
13 return that we might expect. It is with respect to the
14 reasonable rate of return that I have then looked at
15 comparators for the return on sales metric that we have
16 agreed we need.

17 MR RIDYARD: Okay. So then we are going to come on to that
18 in a few minutes' time, so it is premature to start talk
19 about the 90th centile in this context.

20 DR JENKINS: I think 90th centile refers to the rate of
21 return element.

22 MR RIDYARD: That is useful. So did you have any last
23 comments on the cost-plus bit before we go on to our
24 next topic?

25 DR JENKINS: I think -- I mean, possibly it is how I thought

1 more about that rate of return, but the basic principle
2 holds, which is if there is variation and that variation
3 is driven by a range of elements, in the sense that
4 businesses take risks when they invest, when they offer
5 services to customers. They are seeking to meet the
6 needs of their customers and seeking to do it better
7 than others. They invest, they invest in brand, they
8 invest in the -- they hire people, they do all of that,
9 and then offer their services, but they take a risk in
10 that. They do not know for sure that is going to be
11 successful.

12 Sometimes people are successful and sometimes they
13 are not. Sometimes they make a good decision, sometimes
14 they do not. There is a little bit of the flavour that
15 it is like at the average is the right way, and if you
16 are above average you somehow have to justify that. You
17 have got to have an explanation for it, as opposed to
18 that there is a variation in the outturn that you
19 observe in life for the choices that get made and the
20 way you are approaching a competitive environment where
21 you do not know exactly what all your rivals will be
22 doing and you do not know everything about your
23 customers.

24 I think the premise for workable competition then
25 cannot really be the average with an implicit view that

1 anything above average has to be explained. You would
2 be taking more of an upper end of that, which is you can
3 have that you are getting the natural reward for the
4 risks that are being taken, you judged it well, you --
5 not necessarily more efficient than others, but that you
6 actually had things turn out the way that you hoped they
7 would, whereas with another throw of the dice they may
8 not have turned out that way.

9 MR RIDYARD: We can all get lucky on one occasion, but if
10 you find you are getting lucky time and time again,
11 because I think that is how Mr Parker would respond to
12 this point, he would say, well, yes, there is all sorts
13 of random variation on any one roll of the dice, but
14 when you roll the dice a hundred times and you have
15 consistently done better than your opponents, maybe
16 there is something else going on.

17 DR JENKINS: Then you actually have to -- in the context
18 that we are in, you will be effectively setting a price
19 benchmark for businesses going forward and it is very
20 hard to know. So you know, it is this ex ante, ex post
21 bit. They say, well, ex post we are going to assess you
22 against the average. Ex ante, you are going to state
23 your prices, knowing that there is some risk involved in
24 that. So that is where we will get to come back to
25 where we started, which is how you affect the incentives

1 to actually compete and invest and take risk if you say,
2 well, ex post anything above the average is going to be
3 judged that you have to have a very good explanation for
4 why you turned out to be lucky, even for a few years,
5 then that is going to not necessarily reward businesses
6 for the risks that they actually take.

7 MR RIDYARD: All right, okay. I guess we might well come
8 back to this theme, if not exactly this topic, when we
9 get on to the rate of return points.

10 Before we do that, the chairman has some questions
11 for Mr Duckworth.

12 THE CHAIRMAN: Yes, I just want to catch up on some things
13 I discussed with Dr Jenkins this morning, but before
14 I do that, just a quick follow up point to Mr Parker.

15 Mr Parker, just before the break, and actually now,
16 you said, well, there is no -- there should not be
17 a difficulty in reaching a single competitive benchmark
18 as opposed to a range of them, or something like that.
19 Things like quality, efficiency, gains, innovation, that
20 can all be fed in later, as it were, or logically later.
21 But as I understood it, you were feeding those in still
22 within the excessiveness analysis, rather than the
23 unfairness analysis.

24 I do not want to spend too long on it. It is partly
25 a matter of law, but I just wanted to see if that is

1 what you were saying?

2 MR PARKER: I think that is where I put them. I do not
3 think United Brands is sufficiently clear as to exactly
4 where you might do these. I mean, in the formulation of
5 the Court of Appeal, as long as it has to be somewhere,
6 like economic value, but my suggestion would be you put
7 those in the excessiveness point, and it goes to -- it
8 is not just anything above the average, but is it
9 significant and persistent and what is the reason for
10 that.

11 THE CHAIRMAN: I was going to ask you about that. So the
12 way you would build it in, if you do it under limb 1, is
13 you would have to take it into account when working out
14 whether the price in question was significantly above.

15 MR PARKER: Significantly and persistently, exactly.

16 THE CHAIRMAN: Persistent is just a time thing, is it not?
17 That is just saying is this going on for a reasonable
18 period of time, rather than it is a flash in the pan.

19 MR PARKER: Yes, and so that is easier I think to interpret.
20 But conceptually it is an important part of it because
21 it goes to, as Mr Ridyard was saying, a firm may get
22 lucky this year, but if they get lucky several years in
23 a row that might suggest something rather different is
24 going on.

25 THE CHAIRMAN: Yes, all right.

1 MR PARKER: But I would put everything else in the
2 "significant" bucket, because I think one might say
3 actually, given everything here, yes, prices were
4 persistently above the competitive level, but for these
5 other reasons -- quality, efficiency, innovation,
6 whatever it is -- we do not think they are excessive.
7 I think you then, if you like, the analysis could stop
8 at that stage, and you would not then need to make
9 a finding at that point of unfairness one way or the
10 other because it would not be excessive.

11 THE CHAIRMAN: If it is not excessive that is the end of it.

12 MR PARKER: Exactly, yes.

13 THE CHAIRMAN: Fine, thank you.

14 Mr Duckworth, what I wanted to go back to was
15 a continuation of the questions that I asked Dr Jenkins
16 about on the detail of the RFS 2009 exercise. Now, the
17 documents that I had been looking at were first of all,
18 and you made some references. We do not need to turn it
19 up at the moment, but it is all in E/13. It is the
20 primary accounting documents which have pages of detail
21 about how they go through the thing.

22 I looked at some of that, but would it be possible
23 just to remind us of when they finally, finally did all
24 the causality-driven allocation of incremental costs,
25 and they are left with the pure common costs, how they

1 actually did that in the context of this model?

2 MR DUCKWORTH: So in this model there is no explicit
3 division of costs into incremental costs and fixed and
4 common costs. So there will be some cost categories, so
5 I give the example of the labour costs of the customer
6 care staff. If you think about sort of reducing demand
7 for customer care staff you will get to a point where
8 you cannot reduce the number of people you have anymore,
9 because you need someone always to be there to pick up
10 the phone even if there is only one customer to offer
11 a reasonable quality of service. So within that cost
12 category, which is labour cost of customer care staff,
13 there is an element which is a common cost.

14 THE CHAIRMAN: Yes.

15 MR DUCKWORTH: However, because this is
16 a Fully Allocated Cost methodology, what BT would do is
17 look at the activity of those staff, what are they
18 doing, are they in a customer care centre, are they
19 responding to fault requests on Voice lines, or are they
20 responding to fault requests on broadband lines, are
21 they making any sort of outbound calls to try and market
22 services? Look at what the people do and allocate in
23 proportion to those activities.

24 So you will say they spent 40% of their time
25 responding to faults on Voice lines, and so I will

1 allocate 40% of their time to Voice lines, in doing so
2 recognising that there is a degree of kind of fixed cost
3 or kind of minimum costs within that call centre, you
4 effectively allocate those common costs in proportion to
5 the incremental costs.

6 THE CHAIRMAN: Right. Thank you.

7 I have just got one extremely technical point on
8 this, which you will probably tell me is irrelevant, but
9 can I just ask you to look at {E/13/900}. The top bit
10 is talking about different kinds -- it is all under
11 attribution of costs, and one of them is "Corporate
12 Costs", and it says:

13 "... some corporate expenditure for which no
14 specific apportionment bases can be readily derived.
15 These corporate costs are apportioned to activities and
16 plant groups so as to reflect the value added by
17 management effort as reflected in the pay and fixed
18 assets ... So any individual Market will be charged on
19 the basis of all corporate costs divided by pay plus
20 a percentage of fixed assets ..."

21 Is this something we need to be concerned with,
22 because I was not sure that that was an illustration of
23 what you have just said, or this is something, as it
24 were, extremely granular, and dealing with only one very
25 particular part of common costs?

1 MR DUCKWORTH: I think it is relevant because corporate
2 costs, we kind of had a discussion about the degree to
3 which sort of central costs are fixed and common. This
4 is saying, or my reading of what this is saying is it is
5 very difficult to go into the finance function and say:
6 how much time did you spend on finance functions which
7 are related to providing Standalone Fixed Voice
8 services? So that sort of activity-based costing is
9 difficult. But it is a -- we think, or BT thinks that
10 there is some sort of relationship between the value
11 added by each of the markets and the costs incurred
12 here, and so it will apportion based on the measure of
13 value added, and the measure of value added is
14 effectively related to the kind of proportion of fixed
15 assets, so you allocate more -- I am just reading this
16 quickly -- to those bits of the business which have
17 large fixed assets, particularly the network, as a sort
18 of proxy for some sort of costs of causality, even if
19 that cost causality is difficult to pull out.

20 THE CHAIRMAN: Thank you.

21 Then can we just go to {E/13/951} in the same
22 document. There is a whole section on LRIC here.

23 MR DUCKWORTH: Yes.

24 THE CHAIRMAN: I am just again taking an example at
25 page 951.

1 Under Figure 5.3.5, it says:

2 "The distribution of the fixed common costs that are
3 shared between Core and other increments is apportioned
4 over the Core components using equal proportional
5 mark-ups to derive DSACs."

6 So there it looks like we are back to EPMU.

7 Then it says it:

8 "... attributes the [fixed common costs] to the
9 components in proportion to the amounts of the cost
10 category included within the LRIC ..."

11 Is that then reflecting the proportion to the
12 incremental costs?

13 MR DUCKWORTH: Yes, that is my understanding. Similar to
14 Dr Jenkins' approach for a DSAC approach, you kind of
15 work out the incremental costs. You look at the
16 appropriate fixed and common costs and allocate them for
17 a DSAC methodology based on an equi-proportionate
18 mark-up.

19 THE CHAIRMAN: Thank you very much. Then finally on the
20 detail, what that document does not contain itself are
21 the actual figures for the relevant five market
22 submarkets that make up SFV that you --

23 MR DUCKWORTH: Yes, that is right.

24 THE CHAIRMAN: But in your report you have got sort of one
25 table just dealing with all of those costs.

1 MR DUCKWORTH: Yes.

2 THE CHAIRMAN: Does that -- all I really wanted to know,
3 which document does that come from? I have seen
4 a document saying review of retail markets, and I was
5 not sure where you got it from. That was all. I am not
6 saying ...

7 MR DUCKWORTH: The document with the actual output of the
8 system that is described here is the
9 Regulatory Financial Statements --

10 THE CHAIRMAN: Yes.

11 MR DUCKWORTH: -- which is a separate document published
12 annually. Along with the kind of annual publication of
13 the Regulatory Financial Statements, there is all of
14 this documentation explaining how those were derived.

15 THE CHAIRMAN: Yes. You have got -- have you got
16 a reference in your report to the particular bit of the
17 financial statements that you have been drawing your
18 figures from?

19 MR DUCKWORTH: Yes. It should be in my report. Yes, it
20 should be referenced. If I can find it, preferably --

21 THE CHAIRMAN: You can give me the reference later on, or
22 I go back and find it. Because what I was referring to,
23 the primary accounting documents, that is all in the
24 statements of principle, how it is all done. It is not
25 the actual financial statement itself.

1 MR DUCKWORTH: That is right. Then there are a series of
2 sort of subsidiary documents to the primary accounting
3 documents giving some of the details about cost
4 attributions.

5 THE CHAIRMAN: Right. Thank you.

6 Now, what I then wanted to go to with you,
7 Mr Duckworth, more substantively, is this. I asked
8 Dr Jenkins about the extent to which any inputs in her
9 SAC combinatorial test could be altered, if that was
10 something that we were interested in doing in the
11 future, and she gave me an answer.

12 So far as your model is concerned, because it is
13 a different kind of model, yours would be capable of
14 alteration really on the basis of how you have made the
15 increments year-on-year.

16 MR DUCKWORTH: Yes, that is right.

17 THE CHAIRMAN: That is it; that is because of the nature of
18 your model.

19 MR DUCKWORTH: Yes, it is effectively impossible to go in
20 and recreate alternative Regulatory Financial Statements
21 for 2009, but it would be possible to look at the
22 indexation that I have applied and look at alternatives
23 for that. For example, I have made a very high level
24 assumption and said that is conservative, that unit
25 costs will increase in line with inflation.

1 You could alternatively sort of try and decompose
2 that change into different factors that you think should
3 be driving the change in unit costs over time. So we
4 discussed yesterday, for example, a sort of economy of
5 scale point, and Dr Jenkins set out one way of
6 approaching that which seems reasonable, and you can
7 make some explicit assumptions about efficiency gains
8 over time based on some of the evidence I present. You
9 could also look at the degree to which there have been
10 quality changes over time and make an adjustment for
11 that.

12 Some of those quality changes, some of the gives are
13 recognised in the direct costs, but other quality
14 changes, particularly the onshoring, are a change in the
15 level of indirect costs, and so you could make some
16 assumptions about how those kind of feed into unit costs
17 over time.

18 So I think there is scope for the Tribunal to look
19 at how to change the indexation over time but, as I say,
20 it is very difficult to change the kind of --

21 THE CHAIRMAN: The underlying model. Right, I follow that.

22 Now, just before I leave the questions I wanted to
23 ask you, Mr Duckworth, Dr Jenkins, although she has
24 various different approaches, did not try to re-run your
25 model with different increments on a yearly basis, but

1 just remind me whether you have done Dr Jenkins'
2 combinatorial model with different inputs?

3 MR DUCKWORTH: I have not. I have set out my real barrier
4 to trying to work out costs on -- whether it is on
5 a SAC combi basis or a Fully Allocated Cost basis is not
6 having the granular cost information to really
7 understand cost causality and the corollary of that,
8 the degree to which some costs are fixed and common, so
9 I do not think there is value in me trying to take
10 Dr Jenkins' model and tweak it to come up with
11 a sensible result.

12 THE CHAIRMAN: Right, thank you.

13 My final question is this, and I am going to be
14 posing it to Dr Jenkins shortly, is that you -- I am
15 sure you are aware, you may even have been here when
16 Mr Cackett gave evidence --

17 MR DUCKWORTH: Yes.

18 THE CHAIRMAN: -- and when he gave evidence of what I just
19 neutrally described as an informal exercise of
20 attributing costs, including common costs, to SFV for
21 the purposes of various exercises. There has been some
22 solicitors' correspondence about all of them. I am sure
23 you are familiar with the issue that has developed.

24 MR DUCKWORTH: Yes.

25 THE CHAIRMAN: Is there anything you want to say about that?

1 I am asking because I was the one who made the
2 observations, so it seems right that I should put the
3 question to you.

4 MR DUCKWORTH: So I am speaking from a position where I have
5 seen one spreadsheet in the disclosure which provides
6 some values which -- you know, the source in the
7 spreadsheet is given BT's UE, which I take to mean unit
8 economics, which seems to me to be a relatively
9 disaggregated sort of cost allocation as described by
10 Mr Cackett.

11 I think one of the most important points of
12 Mr Cackett's testimony was that one of the first things
13 done when trying to kind of derive unit economics is to
14 look at costs which are specific to different services
15 and sort of think about where those should be
16 attributed. So if you have -- I think he gave the
17 example, I might not get this completely right, but the
18 example of people who work on TV services, and when
19 thinking about unit economics you take those people who
20 work on TV services and attribute the costs to products
21 which include TV services and (inaudible) to SFV
22 services in this case.

23 So from that description, and from the spreadsheet
24 I have seen, the one spreadsheet in disclosure which
25 seems to have some (inaudible) of unit economics,

1 I think that would have added value and would
2 potentially add value if I had had more visibility of
3 how those unit economics had been produced and may have
4 changed my view on the appropriate way to estimate the
5 benchmark.

6 THE CHAIRMAN: Right. But beyond that observation, it does
7 not go any further in the sense that we have got your
8 model and we have got Dr Jenkins'.

9 MR DUCKWORTH: My understanding from the weekend before
10 I went into purdah was that there was a request for sort
11 of the underlying source data on unit economics, but
12 obviously I have not seen that, so I do not know whether
13 that has become available.

14 THE CHAIRMAN: That is something we can take up with
15 counsel. Thank you very much, Mr Duckworth.

16 Dr Jenkins, if I can just go back to you. I wanted
17 to ask this, which was a separate element of one of your
18 disagreements about the 2009 model as extrapolated and
19 the question of what was happening to costs, costs on
20 the basis of across the whole of BT Consumer, and
21 I think somewhere you did a chart of those costs. If
22 you can just ... Sorry, to fling this at you.

23 DR JENKINS: That is alright, that is fine.

24 THE CHAIRMAN: Because one of the points that is made is how
25 do we know that costs have not gone up radically during

1 this period by more than inflation, in which case it
2 would be a very good extrapolation.

3 DR JENKINS: So in I think {OR-H/204/6}, so at the top.

4 THE CHAIRMAN: This is the document from the other day.

5 DR JENKINS: From the other day. So that table at the top
6 you see you have got SG&A and D&A there for BT Consumer.
7 So those are the indirect costs that in a sense the RFS
8 is allocating out. It is like the -- and maybe if we go
9 back one page to table 2, this gives you -- you have the
10 total revenue of BT Consumer, total costs, then you have
11 got the direct costs, the cost of sales, and you know
12 that the cost of sales is sort of between 70 and 75% of
13 those. The next line gives you the sum of those two
14 numbers that are on the table, the indirect costs for
15 BT Consumer over the period, over the claim period.

16 Then I think I also took you to some analysis I had
17 done which is for the period before the claim period, so
18 that is sort of bridging between 2009 and the start of
19 the claim period, which also showed that BT Consumer's
20 costs had risen. That one. I think it is in my second
21 report, let me see if I can find it. I think that is
22 {E/18/133}. So it is at paragraph 5.76, the bit on this
23 page.

24 THE CHAIRMAN: That is right, and you did refer to this the
25 other day, I think.

1 DR JENKINS: Yes. So this only relates to SG&A, and I do
2 not know that I have dug out the information for D&A.
3 I may have.

4 THE CHAIRMAN: That is all. I just wanted to be reminded
5 about that.

6 You dealt with some of the graphs in that recent
7 letter, but your overarching point here is, as
8 I understand it, if you look at indirect costs rather
9 than costs as a whole over the whole of BT Retail, then
10 you say there have been increases?

11 DR JENKINS: That is right. For BT Consumer in its indirect
12 costs there have been increases since 2009, and they are
13 above inflation. So you have to be sure that all of
14 those increases are nothing to do with the Voice
15 services, because these indirect costs are across the
16 whole of BT Consumer.

17 THE CHAIRMAN: Of course they are, yes.

18 DR JENKINS: So that would be -- Mr Duckworth's position
19 would be whatever else is happening, that is what they
20 are spending the money on, and that is why I pointed
21 out, well, no, they are improving billing services, they
22 are onshoring their customer care, they are doing lots
23 of things that are about -- they are improving the
24 brand, they are thinking about keeping BT's brand alive
25 so customers feel connected to it. All of those things

1 are elements of SG&A that would indeed be relevant
2 across the board.

3 THE CHAIRMAN: Right. Thank you.

4 Then just on the issue arising out of -- or the
5 possible issue arising out of Mr Cackett's evidence. Is
6 there anything you want to say about that?

7 DR JENKINS: So as I understand a lot of that evidence, it
8 is examples where parts of BT, you know, whether for
9 regulatory purposes or looking at acquisition of
10 different groups of customers, is looking to do some
11 allocation of indirect costs at a customer level. So
12 what there is not is any formal audited approach to
13 that, we all agree on that.

14 For the purposes for my analysis, which was to
15 understand incremental and common costs, it also does
16 not help with that, because what it does is take the
17 indirect costs categories and it just allocates them,
18 like doing -- it is an FAC approach, and I think if you
19 look at the sorts of levels of allocated cost that you
20 see in those, and I have not spent a lot of time looking
21 at them, but I have looked a little bit since
22 Mr Cackett's evidence, you see that in aggregate what it
23 seems to be getting at is somewhere between allocating
24 indirect costs on a revenue basis or a per customer
25 basis.

1 So it is as if they are saying, okay, let us look at
2 our costs, and I think it was even part of Mr Cackett's
3 evidence to say the way we were thinking about this
4 long-term shift in the market that was going on, that we
5 wanted to encourage our customers to be taking multiple
6 products. So they are thinking about their cost base as
7 being related to the customers that they have. So that
8 is like -- that would be like allocating indirect costs
9 on a Fully Allocated Cost basis using customer numbers
10 as your driver, as your allocator.

11 THE CHAIRMAN: Yes, all right, thank you.

12 As a result of that, I just -- sorry, Mr Duckworth,
13 but I do want to come back on one point, and I want to
14 try and isolate what the absolute difference is between
15 you and Dr Jenkins on the question of the validity or
16 otherwise of your indexation of the 2009 RFS, because
17 the point is made against you that if we look certainly
18 at one species of costs, they appear to be rising
19 significantly more than the rate of inflation, in which
20 case does that not suggest that simply increasing the
21 relevant figures by the rate of inflation will be
22 insufficient?

23 MR DUCKWORTH: I think there is quite an easy answer to
24 that, which is if we are looking at SFV services, we are
25 looking at the incremental cost of SFV services, and

1 a proportion of fixed and common costs related to SFV
2 services.

3 Fixed and common costs by their definition are
4 relatively fixed. You would not expect fixed and common
5 costs to suddenly shoot up over time in a business. If
6 costs are increasing very rapidly, then it suggests that
7 that has been driven by -- well, quality improvements,
8 which I accept quality improvements should be included,
9 but driven by changes in the output of that ...

10 THE CHAIRMAN: Sorry, changes in the ...?

11 MR DUCKWORTH: The output of that firm, and we definitely
12 see that in the period 2009 to 2015/16. Dr Jenkins has
13 repeatedly talked about things like the provision of
14 television services, which attracts customers to bundles
15 but does not attract customers to SFV services. It is
16 not a fixed cost which is relevant to the provision of
17 SFV services. They were not provided with BT Sport. If
18 they are Voice Only customers, there is no way they can
19 sort of get access to BT Sport over a sort of Voice
20 line.

21 So there are costs which are increasing, but they
22 are costs which are increasing which are not related to
23 the provision of SFV services. So you just should not
24 say BT Consumer's costs are increasing overall as it is
25 expanding its output to deliver Triple Play bundle

1 services of television, broadband and Voice, and you
2 should recognise that as an increase in the cost of
3 productions of SFV services. The two things are not
4 linked.

5 I think the other point I would make is we have
6 examples of a forecast, and the annex to Mr Cackett's
7 statement shows a forecast of SG&A costs from 2020
8 onwards for a business which was in a relatively steady
9 state. In fact, customer volumes were increasing
10 slightly by a year-on-year reduction in SG&A.

11 Mr Cackett said in his testimony that was due to the
12 fact that BT Consumer was always seeking to reduce the
13 costs of provision over time, or reduce its SG&A costs
14 over time.

15 Now, that was a forecast, part of their kind of
16 medium term planning, and so it might not be achievable,
17 but it does indicate that BT itself or BT Consumer
18 believes that costs on a like for like basis over time
19 actually decrease rather than increase, and so where
20 there is an increase in cost even in the period 2009 to
21 sort of 2016, where there are significant cost
22 transformation programmes, it is not about the cost of
23 providing SFV services increasing over time, it is about
24 BT Consumer doing new things to attract customers for
25 Triple play services.

1 THE CHAIRMAN: Unless there is some more generalised cost in
2 terms of customer care, or something like that, which
3 gives --

4 MR DUCKWORTH: Yes, if there is a quality improvement for
5 SFV then, yes, that would feed through it. I sort of
6 described earlier, you could try and look at the
7 different factors, quality improvements, efficiency
8 gains, inflation, and try and -- and changes in
9 economies of scale or economies of scope over time, and
10 try and disaggregate that and come up with a forecast
11 based on looking at those factors separately.

12 THE CHAIRMAN: Thank you.

13 MR PARKER: Could I add one point. Sorry.

14 It might be helpful to look at Figure 4.1 of
15 Dr Jenkins' first report which is {E/17/76}. The data
16 Dr Jenkins was describing looked at the SG&A costs for
17 BT Consumer as a whole from 2012-2015/16, and what is
18 happening over that period you will be able to see is
19 the green line is going up, so an increasing amount of
20 product sold as bundles, and then the black line going
21 down, so SFV lines.

22 One explanation for the increase in SG&A costs as
23 a whole is there were just more bundled products being
24 sold, bundles are more expensive to provide. There
25 might be a lot more marketing going on to attract bundle

1 customers as opposed to SFV customers.

2 So I do not think you can draw from the fact that
3 SG&A costs as a whole went up that necessarily SFV costs
4 would have been going up over the period on a like for
5 like basis. It could well be that it is due to
6 additional indirect costs, indirect incremental costs
7 attached to bundles.

8 (Pause due to technical issue)

9 MR RIDYARD: I just wanted to test that last point that
10 Mr Parker made and also similar to one of Mr Duckworth's
11 points too.

12 I think Mr Duckworth accepted the notion that
13 BT Sport was successful in persuading -- in allowing BT
14 to take more bundled customers, to attract more bundled
15 customers, because the attraction of what it was
16 offering was greater. But if those new BT bundle
17 customers were previously SFV customers, in other words,
18 they traded up from SFV to bundles as a result of that,
19 how does that fit into the point that you are making,
20 because it does affect the people who historically were
21 SFV customers, even though it does not affect the ones
22 who did not switch. I had not really thought it
23 through, but there seems to be a dynamic thing there
24 going on which we need to take into account.

25 MR DUCKWORTH: I think that is kind of precisely the point,

1 that people who valued BT Sport, along with broadband,
2 did switch, and there is a causal relationship between
3 those customers who became Dual Play or Triple Play
4 customers and BT Sport, but the customers who did not
5 switch remained SFV customers and did not have any
6 benefit from BT Sport and the investments that BT made
7 in BT Sports.

8 BT had invested in some other way of attracting
9 customers. Maybe, I think giving vouchers to
10 Sainsbury's, for example, as a way of attracting
11 customers to take up a bundle service. That cost would
12 be attributed to the people who actually took up the
13 service. There is no reason why money being spent by BT
14 to attract customers for one service should be recovered
15 from customers who do not benefit from that service. It
16 is not the costs of producing the SFV services, it is
17 the cost of producing, acquiring customers for another
18 service.

19 MR RIDYARD: Even though some of those who were attracted to
20 the BT Sport offer previously were Voice customers.

21 MR DUCKWORTH: Then some of those customers would be
22 attracted to a bundle provided by Sky. I do not think
23 anyone is arguing that because Sky is spending money on
24 its content rights, some of those costs should be
25 recovered from BT SFV customers.

1 THE CHAIRMAN: Dr Jenkins, last word?

2 DR JENKINS: I think the costs of BT Sport are not in the
3 indirect costs, so let us just make sure we are all on
4 the same page.

5 MR RIDYARD: But the overheads -- some of the overheads that
6 might be associated with it.

7 DR JENKINS: Just to be clear, the costs of BT Sport are not
8 in the indirect cost.

9 The point is that BT is competing through a range of
10 things that it does to retain and upsell its customer
11 base, so this -- it is this idea that, as you say, it is
12 a dynamic idea that BT cannot say, oh well, what we are
13 going to do is we are going to have the better billing
14 system and the more functionality, but we are only
15 really offering that to these more dynamic customers,
16 and the other ones, you know, we do not need to do that
17 for them. We can keep going with what was there in 2009
18 because those guys are not really doing anything. That
19 is not how it works. How it works is they compete by
20 improving their offer to their customers.

21 Some of their customers take up those improvements
22 quickly, others take a bit of time, others move away to
23 other providers in competition with BT. That is part of
24 the drive of why they are actually investing.

25 I think it is exactly right to say, in a sense, this

1 picture and the fact that there is somehow a world
2 suggesting that if BT did nothing, they would have
3 continued to have these customers, even if they had not
4 done anything, they would have continued to have their
5 SFV customers. Whereas in reality they may have lost
6 even more of those or if they did not retain those
7 bundle customers, the actual costs to the fixed Voice
8 customers that are left would have been even higher
9 because those bundle customers are sharing those costs.

10 So, if anything, I think it helps see why thinking
11 about customer levels makes a lot of sense in this
12 market because of the nature of the competition through
13 this period.

14 THE CHAIRMAN: Thank you very much.

15 MR DORAN: I just have one question for you, Mr Duckworth,
16 if I may.

17 We are effectively trying to work out the trading
18 benefits from normal and sufficiently effective
19 competition at a period that starts five years after the
20 2009 RFS. It would be very helpful for me and possibly
21 for us if you summarised, given we have been talking
22 about a huge amount of market change, I do not think
23 there is any disagreement between the sides on that
24 point, whether the adjustments that you make can be
25 tuned sufficiently given the difficulties over the

1 actual evidence base to reflect that market change
2 because as I say, the claim period starts five years
3 later and BT at the time of this RFS is not even selling
4 bundles if I have understood the timeline properly. So
5 there is a huge amount going on.

6 It would be very helpful if you could just summarise
7 why we can be confident that when we get to the, if you
8 like, the legal test which is prices actually charged
9 and costs actually incurred that we can feel confident.

10 MR DUCKWORTH: So there is a lot of change going on within
11 BT Consumer which is primarily related to bundles. If
12 we are looking at the costs of providing SFV services
13 there are some quality improvements, some of which are
14 captured in the direct costs but they are relatively
15 small compared to the transformation that is going on in
16 the bundle sector. So the costs of delivering services
17 to SFV customers remains relatively constant. Because
18 Dr Jenkins talks about innovations in sort of billing
19 systems, in sales and marketing. This is a group of
20 customers who are buying the same product year after
21 year.

22 MR DORAN: Sorry, forgive me, but if I remember correctly,
23 I cannot now remember if it was Ms Cheek's or
24 Ms Blight's evidence she said that there about 180
25 variants for the pricing for some of these Voice Only

1 products. So there was a lot of effort being put into
2 retaining the Voice Only customers and offering them
3 a more subscription model.

4 I absolutely accept on the other hand there would be
5 an awful lot of people in the customer care service who
6 were shifting their attention from Voice Only to doing
7 bundles, so I absolutely accept there is a degree of
8 balance but it is not the same product, as I understand
9 it, from 2009 on the Voice Only side to 2014/15.

10 MR DUCKWORTH: There is a standard line rental product which
11 is broadly in the same product. There are some
12 additional gives added on to that. There are some
13 changes in the kind of the call minutes included in the
14 line rental, but basically it is the same service.
15 There are some retention deals, Home Phone Saver, for
16 example, which is excluded from the Class. I do not
17 think there is the same degree of kind of change in the
18 quality of the service delivered to
19 Standalone Fixed Voice services over time accepting
20 there were some changes in quality but it is not the
21 same degree as in the bundles services where (a) there
22 is a shift from buying standalone broadband and
23 standalone Voice as two separate services.

24 There is the investment in television, there is
25 a move from standard broadband to superfast broadband.

1 There is a lot going on in that side of the market.
2 Yes, there were changes in the Standalone Fixed Voice
3 market, but the changes are much more sort of marginal,
4 incremental. So my position is if you look at the total
5 costs of SG&A across BT Consumer, that has been driven
6 by all of these changes that are happening in bundled
7 markets where --

8 MR DORAN: You think it is on the bundle side primarily?

9 MR DUCKWORTH: Yes, where BT is facing lots of competition,
10 and on the SFV side of the market, which is a legacy
11 declining market, there are far fewer substantial
12 changes in the cost of providing that service.

13 MR DORAN: You did say yesterday that you regarded it as
14 a conservative approach you had taken, and I took
15 "conservative" to mean that it was not an unduly strict
16 approach in relation to BT, and you would say that is
17 covered in the points that you have just made.

18 MR DUCKWORTH: Yes, in particular because the evidence
19 suggests that BT year-on-year can make efficiency gains
20 in delivering a steady state set of activities, it is
21 just on top of that it delivers more activities to
22 support the fact that it needs to compete strongly in
23 the bundles market. So the second factor in the initial
24 part of the period outweighs the first factor, which is
25 costs transformation, efficiency drives over time.

1 MR DORAN: That is very helpful to balance them out in that
2 way and in a single piece for us, thank you very much.

3 DR JENKINS: If I could add something, Mr Doran. I think
4 your question, one of the other changes that goes on
5 through this period is actually quite a big change to
6 the way the packages were designed and --

7 MR DORAN: I think that was the point that Ms Blight or
8 Ms Cheek was making.

9 DR JENKINS: Yes, I think it is in Mr Bunt's third witness
10 statement. He goes into some detail about responding to
11 what is going on in the mobile sector, and that BT
12 actually shift the way they design their call packages
13 quite substantially from different charges per minute
14 for different times of day to more unlimited bundles.

15 That would be an example of elements of change to
16 the SFV service which would require central office
17 support, finance, product design, all of those features,
18 that is not clear that that would be captured when you
19 use 2009 data. So it is not just that it is increased,
20 you sort of have to believe that of that increase it is
21 almost like none of it is really related to the fixed
22 Voice service, it is all related to the other changes
23 that are going on. I think there are too many examples
24 of things that are changing, and the general increase in
25 competition, that will mean BT is very likely to be

1 spending money on their fixed Voice customers just as
2 much as they are the bundle customers. Home Phone Saver
3 is another example where they designed and investigated
4 that. So I think your point is a good one.

5 MR DORAN: So you think that Mr Duckworth's conservative
6 approach is actually unduly strict on --

7 DR JENKINS: Conservative the wrong way, yes.

8 MR DORAN: Quite. Given the amount of change going on in BT
9 which would affect the Voice Only side of the business?

10 DR JENKINS: Yes, you would need to do more work on the
11 actual costs that were incurred in order to be able to
12 say, actually, for these customers none of these cost
13 categories actually are relevant for the SFV customer
14 group.

15 MR DORAN: I am sorry, the final point. So just to make
16 sure that I have understood properly, some of the cost
17 incurred in this market change, I think I understood you
18 saying that Mr Duckworth would direct our eyes more to
19 the bundle side of the market. You think one should
20 actually properly locate them related to the SFV -- to
21 the Voice Only side of BT's customer base. It is not as
22 clear cut as --

23 DR JENKINS: It is not as clear cut, that. If you think
24 about product design, product development staff, where
25 the position would be, well, most of them might be

1 a rate of return is essentially an opportunity cost of
2 capital, where you have a capital employed that you can
3 properly measure. A return on sales is essentially what
4 you do when you cannot properly measure capital
5 employed, but it is trying to get at the same thing. So
6 I would say that is a type of cost. I think you put
7 that in your benchmark, and then you look at significant
8 and persistent above that. So I put that all in limb 1
9 and then I would leave other matters for limb 2.

10 MR RIDYARD: Nice and clear.

11 Dr Jenkins, is that your position as well or?

12 DR JENKINS: Specifically with respect to the rate of return
13 question, yes, I agree that it is part of the cost-plus
14 benchmark, and I think in my second report -- I will
15 just give you the reference, {E/18/147}, in that 5.111
16 paragraph at the top part half of the page. Just some
17 thoughts around when you are thinking about how you
18 select the elements of the benchmark, to the extent that
19 you have selected elements of the cost-plus benchmark
20 which give -- which recognise the flexibility that you
21 might observe in workably competitive markets, then you
22 might not add any further significant consideration in
23 limb 1 at that point, like having taken -- having
24 allowed for common costs to be recovered from product --
25 looking at the extent to which prices would allow common

1 costs to be recovered and taking an upper end of the
2 rate of return that is consistent with workable
3 competition, that would give you a relatively good
4 measure of a cost-plus benchmark from which you could
5 conclude something on excessiveness, rather than use
6 lower end benchmarks with the potential for quite big
7 differences to prices, and then a lot of judgment having
8 to be exercised about that difference.

9 That is more about significance and persistence
10 I think within limb 1 than actually a limb 1/limb 2
11 boundary.

12 MR RIDYARD: Okay.

13 Mr Duckworth.

14 MR DUCKWORTH: Just to say my approach in constructing the
15 benchmark is very much in line with the way that
16 Mr Parker has set it out. The cost of capital is
17 effectively an opportunity cost, it is a real economic
18 cost, and that should be added on top of the costs as
19 recorded by accountants, effectively SG&A, D&A. So
20 I think that then tells you that is a cost based
21 benchmark, and I think there is a distinction then
22 between that true opportunity cost and then potentially
23 some of the returns you might see in the market, or in
24 observed returns by firms, and we need to be careful
25 that we do not mix up those two things.

1 MR RIDYARD: Sorry, I missed that last point.

2 MR DUCKWORTH: So I think there is a single opportunity cost
3 reflecting the cost of capital, and then there is
4 variations in prices, and hence returns, compared to
5 costs, and we should not mix up the first thing, which
6 is a single measure of opportunity cost, and the
7 variation you see in returns in the market.

8 MR RIDYARD: Okay.

9 Mr Matthew, did you have anything?

10 MR MATTHEW: As a general view, as I was explaining
11 yesterday, my position is across all of this you need to
12 take a robust view, and indeed a cautious view, when you
13 come to calculate the cost benchmark, allow the return
14 on top of that, and the delta, all with a view to
15 recognising the risks and dangers and need for caution
16 when it comes to a straightforward case of, well, are
17 the prices above cost, with nothing else going on, in
18 a situation where prices have been coming down, remain
19 flat, and are very different from the sort of
20 pharmaceutical cases that sort of precede this.

21 MR RIDYARD: Right. We just mentioned that the rate of
22 return is -- or Mr Duckworth mentioned that it is
23 similar to the sort of cost of capital idea. Now,
24 I think it is agreed here that given the nature of the
25 businesses, the retail businesses we are talking about,

1 the asset-like nature of them, you all agree that it is
2 not feasible to do -- to go down the cost of capital
3 route, so instead we have to take this return on sales
4 as some kind of proxy for what would otherwise be
5 a return on capital number.

6 Are there any important factors that that choice --
7 and that choice is unavoidable, I think, but are there
8 any other important factors that we should be taking
9 into account which would affect -- which means there is
10 not a straight read-across from this case, if it was
11 a cost of capital case, to the return on sales case?

12 Dr Jenkins, do you want to start on that.

13 DR JENKINS: I think the main consequence of that fact, that
14 we are going -- we all agree that it needs to be return
15 on sales, and Ofcom took the same approach, is you do
16 not have a clearly accepted benchmark for judging those
17 returns, so there will be judgment required in that, and
18 you are going to have to look for comparators to
19 benchmark that rate of return, and by definition you are
20 going to be looking at ex post outcomes from other
21 parties, you are not going to be looking at an ex ante
22 view of what an investor might expect, given movements
23 in the stock market, you are going to be looking at
24 ex post returns, and you are going to have to exercise
25 judgment on what is the right benchmark for that.

1 MR RIDYARD: So is that more difficult than in cost of
2 capital cases?

3 DR JENKINS: I think in cost of capital cases you still have
4 plenty -- there would still be plenty to discuss about
5 what the right cost of capital benchmark is, and you
6 would still have the ex ante/ex post question, so you
7 might have an ex ante expectation of cost of capital,
8 and then you might observe outturns higher than the cost
9 of capital and you would still have to address whether
10 or not that was indicative of excessiveness, but there
11 is a sort of clearer framework for those questions
12 I think than in a rate of return environment.

13 MR RIDYARD: Mr Duckworth, would you agree with that?

14 MR DUCKWORTH: I have already agreed with that. I mean,
15 I think underlying either approach is the same sort of
16 conceptual framework. In a return on capital employed
17 you have got your capital asset pricing model which
18 gives you a very clear framework for determining the
19 return on equity, and there is less difficulty in
20 measuring the cost of debt, and I think having that
21 framework means that you can take the empirical evidence
22 for a very large number of companies over a very long
23 time period and effectively extract the key information
24 you need, whether that is the equity risk premium or
25 market risk premium.

1 Here we do not have the same ability to take data
2 from across a whole economy and extract the single
3 parameter or the parameters of interest here, so we are
4 in a more difficult position because we do not have that
5 sort of underlying framework and the ability to pull
6 information out of some very noisy data, so we end up
7 addressing the noisy data directly, and that does cause
8 us some issues.

9 THE CHAIRMAN: Mr Parker, anything else to add on that?

10 MR PARKER: I agree with both of the previous comments.

11 I think it points to a return on sales exercise. It is
12 all about the quality of the comparators that you are
13 going to use to try and see what an appropriate return
14 on sales might be.

15 MR RIDYARD: Right, and we will indeed come onto the choice
16 of comparators in a moment.

17 Maybe this would be a good point to ask the question
18 about the 90th percentile, because you mentioned,
19 Dr Jenkins, that you think there is more -- in fact
20 there has been some agreement that it is a slightly
21 noisier process when we are looking at return on sales
22 measures compared to a kind of capital -- cost of
23 capital scenario.

24 Is that what leads you to say that you should take
25 this position on the -- only declaring something to be

1 excessive if it is well out of the norm?

2 DR JENKINS: Yes. Maybe if we turn to {E/25/72}, which is
3 the annexes to my first report. So this is -- we
4 could -- I have used a number of different comparator
5 datasets, and I am not necessarily now -- I am sure we
6 will debate whether the firms I have selected are the
7 right comparators, but I think whichever group I have
8 selected, you observe the same feature when you are
9 looking at returns on sales, which is with a wider
10 number of companies you see quite a variation in
11 observed returns over a 5/10-year period.

12 So here I have sort of given various points on the
13 distributions, between the minimum, the maximum, 10%
14 percentile, medians and means, and then 75th, 80th and
15 90th, because I suggest the 90th percentile as the right
16 one to pick, but I also do sensitivities on that 75th,
17 80th percentile.

18 I think when you are looking at actual outturn
19 returns, there is just a wide range of factors that can
20 drive particular observations in terms of luck, either
21 positive or negative luck, something going wrong,
22 something unexpected, and so if you choose average
23 levels from an outturn distribution and you say that
24 should be your benchmark, and by implication you are
25 saying anything above that benchmark can be judged to be

1 excessive, you are implying that sort of half the
2 population is having returns that could constitute
3 excessive.

4 Now, then maybe it would be, well, it depends, how
5 many years are you above average? As we have already
6 heard, then you would investigate, and how lucky were
7 they, how efficient were they? All of these questions.
8 When in fact what we observe is there just is a lot of
9 variation in outturn returns. Therefore a much more
10 reasonable benchmark, I think, for determining
11 excessiveness, is at the -- is to take the upper end of
12 the range, I suggest the 90th percentile, and, as I say,
13 I test 75th, 80th percentile, and I think that gives
14 a reasonable benchmark such that one is allowing for, as
15 we discussed earlier, the fact that in a competitive
16 market in a sense beating your competition, which is
17 earning above average margins, is in a sense what we are
18 encouraging -- what one wants to see in competitive
19 markets. It generally means people are improving their
20 offer, better targeting, however it is that they are
21 achieving above average performance.

22 Therefore if you say anything above average
23 constitutes excessiveness, I think that is not an
24 appropriate test for determining excessive prices under
25 an abuse of dominance rule.

1 MR RIDYARD: Mr Parker, do you want to respond on that?

2 MR PARKER: I do not -- I think one should use the average,
3 but I do not think that just because a return is above
4 the average, that that necessarily leads to it being
5 excessive under limb 1 of *United Brands* for reasons we
6 discussed earlier, which is it would need to be
7 persistent, it would need to be significant, and it
8 would need to not have any of the countervailing
9 objective factors that we were talking about.

10 So my view, I think I said earlier, I think I would
11 use the average for the benchmark, and we can come to
12 some specific issues with the numbers that Dr Jenkins
13 has used, and the comparators and so on, but I think
14 I would use the average, and then I would -- then
15 I think it is for the Tribunal to use its judgment as to
16 how far above the average are you ... and one of the
17 factors that you might want to include in that judgment
18 is what level of variation do we think there is that you
19 would naturally observe?

20 But as discussed in relation to CAPM, CAPM gives you
21 a number, and return on sales aims to -- is sort of
22 attempting to proxy for CAPM. In an asset light
23 industry we do not really know quite what the capital
24 employed is, but we are still trying to get to a number,
25 and I think it is sensible for both those reasons to use

1 the average and then to think about variation in the
2 significant and persistent --

3 MR RIDYARD: That is disagreeing, I suppose, with
4 Dr Jenkins, but is it a disagreement that matters?
5 Because it all depends what considerations you then take
6 into account when you find someone who has beaten the
7 average. It depends how you then exercise the
8 discretion about persistence and significance.

9 MR PARKER: I would say there are two -- there is a sort of
10 general and specific point. I think the general point
11 is if you use a lot of discretion in the benchmark then
12 you may never get to look at it, because you can say,
13 well, the benchmark is so high that anything goes. Then
14 the Tribunal come and take a further view as to all the
15 factors in the round, and it seems to me I would
16 rather -- it is for the Tribunal ultimately to make the
17 judgment, and I think it is more sensible for you to
18 take that view on the facts in the round.

19 I think there is a specific thing here, which is
20 Dr Jenkins uses her margin estimate in the
21 SAC combinatorial. There is a -- using a high margin in
22 the SAC combinatorial basically says you need to make
23 that high margin across every product, and if you do
24 not, so if you are not making 25% on bundles, you are
25 not making 25% on Home Phone Saver, you are not making

1 25% on standalone broadband, and so on, that is all
2 a gap that needs to be filled by SFV services, because
3 that goes into the sort of revenue gap. Because
4 essentially it is saying: there is this target margin,
5 you need to make this target margin. So it is kind of
6 saying: I need to get the upper bound margin, the 90% of
7 our margin on every one of these products. If I do not,
8 that is a gap. Then I put all of that on the SFV
9 services, and unsurprisingly that gives you a very large
10 amount which needs to be recovered from SFV.

11 So it is not a sort of neutral assumption, I think,
12 in terms of how that is, because it is not just about
13 SFV services actually in the SAC combi, it is about the
14 returns that are required, or the target returns that
15 need to be made across all the services.

16 MR RIDYARD: Okay. I will come to you, Mr Duckworth, but
17 let us get Dr Jenkins' response on that specific point
18 there.

19 In terms of the maths that is right, it sounds
20 right?

21 DR JENKINS: Yes, it is right. In terms of why is that the
22 right way to think about excessive pricing, here we are
23 talking about returns on sales, which is for the entity
24 that we are interested in as well as the sub-products,
25 I mean the sub-products that an entity provides. In

1 a sense, when you are thinking about the cost-plus
2 benchmark, which is whether the SAC combi gets -- that
3 is what the SAC combi is delivering to you. If you use
4 the 90th percentile then you are saying that in workably
5 competitive markets, even where we observe pricing
6 towards the upper end of the range that is observed,
7 then that is consistent with what we may well observe in
8 a workably competitive market. Now, the consequence of
9 that is then, yes, you would say it is acceptable for BT
10 to earn up to that level before you would judge its
11 pricing to be excessive on any of the products which it
12 supplies.

13 So I do not think there is anything new in the way
14 it has been implemented in the SAC combi, that is the
15 consistent way to do it, and it is predicated on this
16 view that the right way to think about excessive
17 pricing, and the useful limb 1 test, is one that in
18 a multi-product firm allows for the fact that costs can
19 be recovered in -- flexibly in a competitive
20 environment, and that it is better to set the benchmark
21 for what ex post outturn returns need to look like at
22 the upper end of the observed range.

23 MR RIDYARD: Mr Duckworth.

24 MR DUCKWORTH: I was going to make a slightly more sort of
25 methodological point, which is I understand Dr Jenkins'

1 approach is saying not only should we look at sort of
2 a central value of effectively a proxy for the return on
3 capital employed, but we should also look at the
4 variance in returns from the sample. I think then that
5 requires choosing the sample, not only because you think
6 it has a similar level of capital intensity, but also it
7 has a similar level of expected variation in returns
8 that you would expect in workable competition in this
9 particular market, and I think that is a much stronger
10 test.

11 But I also do not know how you would apply that to
12 select comparators which have similar variation to what
13 you would expect BT to have in the kind of UK telecoms
14 market. It seems like a -- that is kind of a second
15 factor which you need to bring in when selecting your
16 comparators, and I do not see that in Dr Jenkins'
17 selection of comparators. She has not gone through and
18 said, okay, not only am I selecting comparators which
19 are likely to have the same sort of average return on
20 sales as BT Consumer or SFV services, but also the
21 variation that that comparator set has is similar to
22 what I think the variation would be reasonable for
23 BT Consumer to have. I just do not see that being made.

24 So you could select a sample in markets where, for
25 whatever reason, there is lots of differentiation, or it

1 is an oligopoly market, you have very high variation,
2 and that might not apply to SFV services or BT Consumer
3 as a whole, so that is --

4 MR RIDYARD: How would you even make that judgment?

5 MR DUCKWORTH: Well, that would be my question. So
6 Mr Parker's approach, which is, as I say, to take the
7 specifics of this case and work out whether you think
8 the variation away from a mean sort of return on sales
9 appears in the Tribunal's judgment to reflect legitimate
10 variations, or is potentially a sign of excessive
11 pricing, I think that is easier to do on the facts of
12 the case, rather than trying to find a comparator set to
13 understand what you think reasonable and legitimate
14 variations might be.

15 MR RIDYARD: Okay. Yes. It seems quite difficult whichever
16 route you take I think, but, yes.

17 Mr Matthew, did you have anything on this?

18 MR MATTHEW: Obviously, following the remarks I made
19 previously, I would take the view you should be taking
20 the top end of the reasonable set of benchmarks. I do
21 not have any comments specifically about the sample here
22 versus other benchmarks that I know we are going to come
23 on to, but essentially there is likely to be quite
24 a wide range of benchmarks which are consistent with
25 workable competition, and you should be aiming to take

1 the top end of that range to reach a reasonably robust
2 threshold for saying now we can start the process of
3 thinking about whether prices actually are excessive.

4 That is both for the general reasons I gave about
5 the need for caution in straightforward cases of setting
6 higher prices than costs in the normal course of
7 business, but also just to take the idea of -- if you
8 just said, well, we will take the mean, we will take the
9 middle point, we will do a reasonable approach, and then
10 we will do a subjective judgment later on, that is
11 precisely the sort of rule -- obviously the Tribunal
12 will take its views on these things, but that is
13 precisely the sort of rule that if I go back into
14 compliant appraisal for the other firms that might be
15 potentially dominant in the economy, and you tell them,
16 well, the rule here is basically people will take
17 a range of possible outcomes, take the middle, and then
18 you have to argue your case from there, it seems to me
19 to expose quite a lot of potential risk in this area and
20 therefore would have a chilling effect.

21 MR RIDYARD: Yes, okay.

22 I think why do we not go on to the comparators more
23 specifically now, because I think some of these broader
24 points will come out of that discussion too. We want to
25 use comparators, we want to choose a good one, so what,

1 in principle, are the ways of going about that?

2 Mr Duckworth, do you want to kick us off on that?

3 MR DUCKWORTH: So if we were thinking about companies which
4 would be likely to have the same return on sales, but
5 underlying that there is the sort of return on capital
6 employed framework, then I think we should be looking
7 for companies with a similar risk profile in capital
8 asset pricing model terms and a similar level of capital
9 intensity.

10 MR RIDYARD: Right, so you think it is important to choose
11 comparators which have a similar light -- an asset light
12 nature.

13 MR DUCKWORTH: Yes. If we say it is an asset light
14 business, and there are difficulties in measuring the
15 sort of the true economic assets used to provide its
16 business, we should try and look at comparators who are
17 likely to have the same level of capital intensity,
18 i.e., they are likely to be asset light as well, but
19 also likely to have similar levels of sort of economic
20 assets, which may not be measurable in the same sort of
21 way.

22 MR RIDYARD: So if we end up, contrary to that advice, with
23 some companies in our basket which have got more capital
24 employed, what is the problem with that?

25 MR DUCKWORTH: That companies with more capital employed you

1 would expect to have a high return on sales, because
2 return on capital employed, it varies depending on the
3 risk profile, but that variation is relatively small.
4 So if the capital intensity is 100%, the assets are
5 effectively 100% of the revenue, the annual revenues,
6 then you would expect a return on sales of 10%. If
7 capital intensity is 200%, i.e., the assets are 200% of
8 the annual revenues, then you would expect a return on
9 sales of 20%. So capital intensity will drive the
10 expected level of return on sales for a company with the
11 same level of return on capital employed.

12 MR RIDYARD: Do you agree with that, Dr Jenkins?

13 DR JENKINS: I think if we go to {E/49/267}, I did have
14 a look at precisely this question. It is a good scatter
15 plot there. There is obviously a lot of measurement
16 error in terms of capital, and that is part of the
17 challenge we have here, asset light businesses. So this
18 is using all the MSCI World, the businesses that
19 constitute that database, and looking at the correlation
20 between the capital intensity measure you get and EBIT
21 margins, so there is an upward slope to that, but it is
22 not very highly sloped. So there is a positive
23 correlation but it is not one-for-one in any sense.

24 So there is some risk if you do not match your
25 capital intensity correctly, but I do not think it is so

1 big that you need to be overly worried about that.
2 There is clearly a lot -- for any given capital
3 intensity you get a very wide range of EBIT margins in
4 outturn.

5 MR RIDYARD: So should we be less worried about it in the
6 light of this beautiful scatter plot, Mr Duckworth?

7 MR DUCKWORTH: No, I think we should still be concerned
8 about it. This is kind of -- as Dr Jenkins says, the
9 first issue is there are a lot of difficulties in
10 measuring assets on a robust and reliable basis, and so
11 the book value of the assets as presented in this
12 database may be a poor reflection of the kind of
13 underlying assets which that these firms enjoy here,
14 things like brand value.

15 The second point is it looks on this chart to be
16 a relatively weak correlation, but actually you see
17 broadly what you would expect. As capital intensity
18 increases by 1, then you get a sort of significant
19 percentage increase in EBIT on average, which is
20 precisely what you would expect from a capital asset
21 pricing model applying a return on capital employed.

22 So, yes, there is a lot of noise. Some of that is
23 measurement error, some of it is variation in returns,
24 and I think we all sort of recognise there are outturn
25 variations in returns. But what I am trying to capture,

1 which I think is something slightly different from what
2 Dr Jenkins is trying to capture, is this kind of average
3 view of what the cost of capital is for the company and
4 that is kind of on the red line.

5 MR RIDYARD: So you are saying the slope of the red line is
6 broadly what you would expect a priori.

7 MR DUCKWORTH: It is difficult to say exactly, looking at
8 it.

9 DR JENKINS: It is in the top, the coefficient point.

10 MR DUCKWORTH: Okay. So the coefficient is slightly lower
11 than you would expect. Yes. But you have also got some
12 companies with what looks like zero capital employed, so
13 potentially there are a lot of measurement issues in
14 here, but you would expect a single digit --

15 MR RIDYARD: I know there is much going on here, but, yes,
16 okay.

17 Then, I do not know, Mr Parker, do you want to offer
18 views on this?

19 MR PARKER: I think the points have come out. I am not sure
20 I draw much from the scatter plot. It is a combination
21 of capital employed that is not necessarily well
22 measured, there is no account taken of risk, and then
23 from year to year the actual return will vary up and
24 down, but competition should drive you back to roughly
25 ... you are making your return on capital equal to your

1 WACC. But if you are not measuring return on capital --
2 if you are not measuring capital employed right, and you
3 are not measuring return right, so that is not --
4 I think it is just not really telling you anything.
5 There are too many things that are not captured in this
6 scatter plot.

7 MR RIDYARD: Not captured accurately, but, I mean, any
8 benchmark we use is going to have to use real companies
9 with real complications in the way in which they collect
10 the data.

11 MR PARKER: That is right, and I think I would focus on
12 comparators that are as close as possible to the service
13 in question, so as close as possible to retail telecom
14 services, and ideally SFV services and businesses that
15 are similar to that. I am not sure that the data in
16 the -- which database is this? It is the MSCI World
17 database, is that right? Sorry, I have lost the
18 reference.

19 MR RIDYARD: I think it was. Yes, it is in the title, MSCI
20 World ...

21 MR PARKER: Oh, yes. I am not sure those are necessarily
22 very good comparators. I think also if you are using
23 capital intensity, when the problem is we do not
24 actually know what the capital intensity is because it
25 is an asset light business, I am not sure this tells you

1 very much. So I think we should look at other measures,
2 of which there is quite a number, including some offered
3 by Dr Jenkins and some offered by Mr Duckworth.

4 MR RIDYARD: Dr Jenkins, what is your view on the choice of
5 a good comparator?

6 DR JENKINS: The evidence that I put together was
7 actually -- it is relatively standard, what I did, and
8 it reflects the facts that the world is not perfect, the
9 data is not perfect, and hence why I think it is
10 important to take broader samples, even though taking
11 broader samples, that brings in some comparability
12 challenges, which we can discuss, but because --
13 particularly because we are taking outturn evidence, if
14 you take very few comparators and you take outturn
15 measures, you have to be really careful that they are
16 not overly influenced by -- as we can see in the chart
17 just here, that you can get a wide range of variation in
18 any given period from that.

19 So we would not look also at other comparators, but
20 there is some benefit from looking at broad averages
21 from benchmark activity or broad distributions and, as
22 I say, this is a very standard approach that is adopted
23 by competition authorities and regulators when faced
24 with the question of how do we work out a benchmark for
25 return on sales. The two sort of samples I have used,

1 because while this chart shows you all of the MSCI World
2 constitutes for the purpose of looking at the
3 relationship between capital intensity and EBIT margin,
4 for my actual comparator for BT, the appropriate rate of
5 return for BT in this case, I have looked at two
6 different datasets focusing on telecoms firms, and then
7 also looking at a set of comparator firms which have the
8 same or similar capital intensity measure, and the same
9 sort of band of capital intensity measure.

10 So notwithstanding you can get a lot of variation,
11 I did also seek to match comparators not by industry,
12 but by capital intensity, and that would be similar to
13 the cost of capital idea, that what you say is investors
14 look around and they look for, okay, similar risk
15 profiles, similar capital, and what they expect to see
16 the return for that. So that is how in these finance
17 benchmarking you do not always have to stay within your
18 industry when you are thinking about the benchmarks.

19 So I produced a range of samples from which
20 I gathered benchmarks, and if we go to {E/17/209}, so
21 Table 6.2. Now, here I am reporting the
22 90th percentile, and in my annex, if there is any
23 particular one where the full distribution, it is
24 desired to see that, then you can get that from the
25 annex.

1 But you see actually across -- this is the table for
2 the telecoms sector, and the first line is diversified
3 telecoms or wireless telecoms from the MSCI, and then
4 I strip that down just to diversified telecoms. Then a
5 sample of European telecoms firms from an academic
6 database, and then European telecoms and cable TV.

7 Then if we go over to page 211 of the same document,
8 {E/17/211}, Table 6.3, this is where I have benchmarked
9 against capital intensity the ratio of depreciation and
10 amortisation to OpEx, and depreciation and amortisation
11 to revenues. Those are three different measures of
12 capital intensity that I can match to firms across the
13 database from the MSCI World database.

14 So as you can see, I have got quite reasonable
15 numbers of observations, around 20 -- I think for this
16 table it is around 20-25 firms, because they are
17 multiple years of observations. So I am taking -- I am
18 aggregating across those to then get a 90th percentile
19 benchmark, and I think there are benefits to that
20 aggregation just from a standard benefit of aggregation
21 where you have got uncertainty and variation that the
22 averaging process gives you a benchmark that you can
23 use.

24 MR RIDYARD: So all the answers of around 23/25% --

25 DR JENKINS: Yes, exactly.

1 MR RIDYARD: Okay.

2 DR JENKINS: Then I go and benchmark that against what
3 actually happened in this situation and what happened
4 with BT, and find that those rates are actually not out
5 of line with what you would expect to see, so that seems
6 like a reasonable benchmark to use here for --

7 MR RIDYARD: We will come on to that in a moment.

8 Mr Parker, how does this contrast with your approach
9 on the benchmarks?

10 MR PARKER: I think this might be a question for
11 Mr Duckworth first.

12 MR RIDYARD: Yes, Mr Duckworth, sorry.

13 MR DUCKWORTH: So shall I explain my approach?

14 MR RIDYARD: Yes, please, yes.

15 MR DUCKWORTH: My approach is to try and find very close
16 comparators to BT and also take a view in the round.
17 I think we all accept there is some uncertainty here.

18 The first comparator, and this is what I use for my
19 point value, is the return on sales for SFV services
20 themselves in 2006, and that was at a point where SFV
21 services were price regulated, and at the same time
22 there was, as recognised by Ofcom, significant entry and
23 expansion into the Voice market. So my view is that is
24 a reasonable measure of the return on sales, at which
25 point competitors who have similar costs to BT are able

1 to profitably enter and expand into the market.

2 I also cross-checked that against the returns that
3 similar companies in the same market, so provision of
4 retail services in the -- retail telecoms services to
5 residential users in the UK, show their returns on
6 sales, so Sky, TalkTalk, Virgin Media and similar.

7 I also looked at return on sales for similar
8 businesses in the UK who offer access to network
9 services, such as the Post Office -- sorry, not the
10 Post Office -- Royal Mail and energy and water
11 utilities.

12 MR RIDYARD: Can you take us to your results just so we have
13 them on the screen.

14 MR DUCKWORTH: If we turn up {IR-E/6/81}, this shows the
15 EBIT margins as reported in the
16 Regulatory Financial Statements, and I take 2005/6,
17 Figure 5, so at the bottom of the page, I take 2005/6 as
18 the last year where the services were charge controlled.

19 Then turning to page {IR-E/6/85}, I look at EBIT
20 margins for UK communications providers across the claim
21 period. I place less weight on the returns for Sky,
22 which is the top line, as I consider that is a largely
23 a pay TV provider, so I focus on the other lines for
24 Virgin Media, Phone Co-op, TalkTalk and
25 Utility Warehouse, which are relatively small providers.

1 I also look at allowed margins in the retail supply
2 for other regulated network services, which are set out
3 on page {IR-E/6/85}. So they are ...

4 MR PARKER: I think it might be page 88 on the --

5 MR DUCKWORTH: Sorry, page {IR-E/6/88}. So when Ofcom was
6 looking at the returns for Royal Mail, it looked at
7 a review of returns of a range of comparator companies,
8 which suggested a wide range of 5-10% in the EBIT
9 margin. CMA looked at the energy market and observed
10 margins of 3.5%, EBIT margins of 3.5%. Ofwat looked at
11 or allowed a net margin of 1% for quarter retail in the
12 PR19 charge control.

13 So I based my estimate on the first chart that
14 I showed, which is the EBIT margins reported in the
15 financial regulatory statement, but I also cross-checked
16 that against information from competitors in the market
17 and also from regulatory decisions on the appropriate
18 return on sales.

19 MR RIDYARD: So let us go back to the first one first then,
20 which was the one you most -- your lead position, as it
21 were.

22 The most -- I suppose the most obvious question to
23 ask there is it was around 10% for the first three years
24 and then went up to over 20% by 2008/9. You said that
25 you chose 2005/6 because although -- well, because BT

1 was being price regulated then, but it was not scaring
2 off competitors, so it was a high enough price or high
3 enough profitability to attract entry.

4 MR DUCKWORTH: Yes.

5 MR RIDYARD: Dr Jenkins, what is your ...

6 MR MATTHEW: Can I just pick up that one, because it is
7 covered in my report.

8 MR RIDYARD: Yes.

9 MR MATTHEW: For me that is not a good benchmark, 2006,
10 because it is the price under regulation. The reason
11 for that is Ofcom removes the price cap in part because
12 it was concerned that continued price regulation would
13 undermine the evolution of competition which of course
14 it was very strongly trying to promote.

15 So the point I make in my report is that is
16 the price that came out of regulation and what Ofcom is
17 doing here is they are deregulating it, allowing it to
18 rise because that was part and parcel of ensuring that
19 that competitive market that was very much hoped for
20 would in fact emerge, and then it gets to 2009 and at
21 that point deregulates entirely, notwithstanding the
22 returns being earned.

23 MR RIDYARD: Yes, but do you disagree with Mr Duckworth's
24 view that competition was alive and well in 2005/6?

25 MR MATTHEW: Reading off the Ofcom assessment, it was

1 definitely coming. At the time BT I think had around
2 77% share still in about 2006 which did fall. I think
3 they are down to about 66%, and I am working from memory
4 here, by 2009. So it was definitely coming through.

5 But what you see at the time is very characteristic
6 of the way Ofcom generally has approached regulation in
7 telecoms, is a very strong sense that what they are
8 trying to do is create that retail market here. It is
9 all part of a much bigger strategy to try and drive
10 competition as deep into the network, by which I mean
11 into the different vertical stages as they can, and
12 throughout they are recognising well, to do that we need
13 to do various things to make sure that they are getting
14 space to make sales, to win products and establish those
15 positions that we can then subsequently hopefully roll
16 back regulation as in fact they did and move further up.

17 MR RIDYARD: Sorry to interrupt, but the danger of that is
18 that Ofcom wanted to promote competition, to sort of
19 kick start competition or promote it, however you want
20 to describe it, and in doing that one could argue that
21 it deliberately allowed some fat in the system to allow
22 that process to thrive and generate and in that case it
23 may be that the prices to which or the return levels
24 which increased in those subsequent years is given an
25 unrealistically high benchmark and one should go back to

1 the 2005/6 one which, as I said earlier, did not appear
2 to have scared off competition completely. So how would
3 you respond to that counterclaim?

4 MR MATTHEW: I would say that in 2006 yes, you have got the
5 emerging competition coming through but if you had
6 continued to price regulate that may well have led to
7 further falls in the regulated price for BT Retail which
8 would have choked, that these risks for choking that
9 off. So it is not a margin that was consistent with
10 effective competition coming in or workable competition
11 coming in.

12 MR RIDYARD: Just say that again. You are saying that the
13 2005/6 level was not consistent with allowing
14 competition to develop because the prices might have
15 gone lower but if they had stayed where they were in
16 2005/6 would competitors have decided this was not for
17 them?

18 MR MATTHEW: My understanding is on what actually happened
19 to prices is that prices did come down for SFV customers
20 over this period, as indeed they continued to do right
21 up till around 2014 from memory, so SFV prices are
22 coming down and essentially the risk with continued
23 regulation is it can drive down prices even further
24 because if the wholesale cost is going down then retail
25 cost price base cap with a 77% share will take it down

1 with it, and you were risking the prospect of choking
2 off the competition that they were trying to support.

3 So at that point, 9% in 2006 for me is a return that is
4 not consistent with the emergence of competition.

5 Whereas the later ones are more consistent.

6 MR RIDYARD: I am not sure I follow why -- I can see that if
7 prices had come down further from the 2005/6 level, then
8 that might have started to get to the position where
9 competition could not have been sustained in the way
10 that Ofcom wanted. But I am not sure why that makes the
11 2005/6 level that Mr Duckworth has used is the wrong
12 one.

13 MR MATTHEW: It tells you the 2005/6 level is essentially
14 a level that is consistent with a monopoly supplier with
15 the full economies of scale that go with that at that
16 point in time. I mean, we have heard -- there has been
17 a little change since 2006 so there is a second question
18 about how far it is useful to track back that far in any
19 case.

20 That is in my mind the output of a regulation of
21 what at the time was still not too far off being the
22 monopoly, not an absolute monopoly but at least the
23 monopoly until quite recently, subject to losses from
24 Virgin.

25 What you are trying to do is move from that to

1 a more competitive environment and so, as Ofcom has done
2 more recently in other cases, when you do that you allow
3 a deregulation, you allow returns to be higher, you put
4 more juice in the system, as it were, and that is part
5 of the process of bringing workable competition into
6 play. Whereas if you continue with prices down to cost
7 as a utility regulator would do, yes, you will get
8 prices down to BT's costs and BT will earn low margins
9 but you will not get competition coming in as
10 effectively as it otherwise would do.

11 MR RIDYARD: So you are saying the incumbent operator has to
12 earn margins above the competitive level in order to
13 allow smaller players to compete in the market at all.

14 MR MATTHEW: I would put it slightly differently. I would
15 say the margins you need to get to the competitive level
16 are higher from the incumbent than would be the case if
17 it is regulated in the way that it used to be.

18 MR RIDYARD: Mr Duckworth, any responses and comments on
19 that?

20 MR DUCKWORTH: Ofcom recognised that we had emerging
21 competition when BT with, as Mr Matthew says, a market
22 share of broadly 80% or somewhat less than 80% with
23 a margin of 8.9%. So with large economies of scale and
24 with a margin of 8.9% you still had entry and expansion
25 in the market.

1 I then do not quite understand why you need to
2 effectively give BT a further margin in order to
3 incentivise further entry and expansion. I think if
4 people are coming in at that level of margin, then it
5 suggests that the companies, despite BT Retail's large
6 economies of scale at this point, could come in and
7 compete with it.

8 MR MATTHEW: That was the judgment made at the time, so it
9 was thought that that was necessary and that you would
10 not have got the same growth in competition without
11 allowing that extra juice in the system.

12 MR DUCKWORTH: I kind of recognise with Ofcom having a set
13 of statutory objectives, one of which is encouraging
14 competition, that it might choose to balance those
15 objectives by, as Mr Matthew said, introducing a bit
16 more juice in the system in order to try and encourage
17 long-term sustainable competition which in the end would
18 drive down returns, but I think we are asking
19 a different question here, which is: did the returns at
20 8.9%, are they so low that they would not allow entry
21 and expansion, and Ofcom was judging that there was
22 sufficient entry and expansion to partially deregulate
23 the market at this point, on balance, taking into
24 account its broader statutory duties. But I think that
25 is a different question from the ability of rivals to

1 enter and expand at this level of margin.

2 MR RIDYARD: Dr Jenkins, you were about to say something.

3 DR JENKINS: Yes, what I would say is the big change is the
4 risk profile for BT. So 8.9% is at a point under
5 regulation where it has been determined that there is
6 not a lot of competition and then you move into an
7 environment where it faces competition.

8 Now, there is a lot of evidence that returns go up
9 when you face competition. There is a lot more risk
10 over your customer base. So I think using the regulated
11 level as a proxy for what you expect to see in workable
12 competition is problematic here, and when you get to
13 2009 you have Ofcom look at the market and say it is
14 competitive, so that level of return is consistent with
15 what you would expect to see given the competition that
16 is observed.

17 If we just go back to {E/25/72}. So this is from
18 the MSCI, the diversified telecom services, but you see
19 that 8.9%, that is very much at the low end of what you
20 would expect to see in a competitive telecoms
21 environment.

22 So I think obviously in the situation in the early
23 2000s with BT's position in the retail market where it
24 was judged not to face very much risk that was the level
25 that had been judged to be appropriate by Ofcom but I do

1 not think it is a good benchmark for the question we are
2 asking here which is: in 2015-2023, given the
3 competition that BT is facing, what is a good measure of
4 the rate of return? It should be judged not to be
5 excessive against and I have flagged that 2009 number at
6 20.9% as something which is not out of line with the
7 results of the broader benchmarking I have done.

8 MR RIDYARD: There is a bit of a paradox in all of this
9 which is -- let me put that to you all and see your
10 response. Very sort of loosely regulation is there to
11 try with a monopoly industry, trying to replicate
12 competitive outcomes as well as possible. So what seems
13 to have been said here is that when you regulate the
14 monopoly or near monopoly firm this level of 9% return
15 on sales is hit upon, and then it is being said that in
16 order to generate -- not to bring actual competition as
17 opposed to a regulatory approach which is trying to
18 mimic the effects of competition, in order to bring
19 actual competition in you need to juice it up and raise
20 those rates by a lot, a substantial amount, to twice
21 that level because only that will sustain actual real
22 life competition.

23 But that seems a bit paradoxical, does it not? What
24 are you getting for your money? What is the point of
25 having competition if it is going to cost twice as much,

1 to put it in a very, very, no doubt incorrect but
2 nevertheless provocative way.

3 MR MATTHEW: I do understand the point and the argument is
4 you believe in competition to do its work over time, so
5 you believe that competition over time will deliver more
6 efficiencies, better products, better pressures and it
7 will also quite importantly not result in the continued
8 need for regulatory decisions that probably do quite
9 poorly in a number of aspects of how well markets are
10 delivering for consumers. That was the point I made
11 yesterday which is regulators well recognise the
12 limitations of their ability to micromanage markets to
13 get the best outcomes all the time. So you want
14 competition because it delivers better in a range of
15 areas. It is just when you start in a market with some
16 economies of scale with one firm with 100 or a very
17 large percentage and say, I am going to set prices equal
18 to those costs, you are going to make it very hard for
19 that competition to come, so you have to allow that to
20 happen.

21 This is the story of what Ofcom has been doing for
22 the last 20 years effectively, is they have been
23 allowing that relaxation to enable these competitive
24 forces to emerge and then that has worked really quite
25 well most of the time. It is continuing to happen

1 today. They are doing it in relation to the actual
2 underlying networks now where they are trying to
3 encourage new people to build new networks, again in
4 part by not driving down the prices and the returns to
5 the minimal amount.

6 MR DUCKWORTH: Could I step in because I was formally an
7 employee of Oftel a long, long time ago and I have
8 worked in UK regulation, not to the same degree as
9 Mr Matthew, but my understanding of the paradox, as you
10 put it, is effectively Ofcom is saying there are some
11 long-term dynamic benefits from competition and those
12 are around sort of innovation as well as the ability of
13 competition to keep profitability at a reasonable level
14 and it is worth -- Ofcom's view is it is worth consumers
15 having slightly higher prices in the short-term if those
16 are necessary to deliver the long-term benefits of
17 dynamic competition, and Mr Matthew gives the example of
18 the 2021 Wholesale Fixed Telecoms Market Review where
19 Ofcom took quite a deregulatory approach to certain
20 services in order to incentivise investment because they
21 felt that investment was going to deliver long-term
22 benefits to consumers.

23 So it is a trade-off. They say we could keep prices
24 low in the short-term but we would lose the longer term
25 benefits, so what we will do is allow prices to increase

1 somewhat in the short-term because we believe the
2 benefits in the longer term are worthwhile.

3 THE CHAIRMAN: But if that is right, if it is a short-term
4 measure, how does that affect what we have to do here in
5 terms of excessive pricing because maybe it requires
6 a sort of figurative shot in the arm and then if that
7 judgment is right you are going to get the competitors
8 coming into the market and then everybody's prices are
9 going to go down. But this seems to be used as one
10 justification for keeping a relatively high margin all
11 the way through all through the years which we are
12 examining, so how does that work?

13 MR MATTHEW: I think on the facts that is exactly what did
14 happen, is the establishment at retail competition was
15 sizeable and successful and that is why Ofcom felt the
16 ability to say there is not even SMP at all in 2009 and
17 it has continued to take that view except in relation to
18 2017.

19 So the job was achieved in the sense of delivering
20 a competitive retail telecoms market in general. What
21 then happened was obviously Ofcom took a view about the
22 particular interest of the SFV customers, the rump that
23 was left many years later and has taken a somewhat
24 different view about whether it is right to protect them
25 from whether -- it would be good if they cut the prices

1 there. But generally the system has worked quite well.

2 I do not think it is right to say the necessary
3 benchmark for: "was retail competition successful?" ,is
4 did BT Consumer's returns drop down to the levels they
5 were at the time of regulation? It is just too hard to
6 draw that back. There are a lot of things going on in
7 the market but BT was indeed the largest player and, as
8 we discussed earlier, there are lots of other markets
9 where the first mover might be able to sustain some
10 economic profits for quite long periods of time and
11 possibly indefinitely in a world which is consistent
12 nevertheless with workable competition.

13 In a sense what Ofcom is doing here is just allowing
14 that to happen because, and I agree with Mr Duckworth's
15 characterisation, because the benefits, among other
16 things, the benefits of dynamic competition are
17 perceived to be very high.

18 MR PARKER: Could I maybe add something on this?

19 MR RIDYARD: Yes.

20 MR PARKER: So if we can go to Mr Duckworth's second report
21 which is {E/7/59}. If you like we are looking at the
22 other end of the process. This is what BT has actually
23 been making. When it comes up. Here we are. I think
24 we do not need to have the confidential version. No,
25 perfect. {IR-E/7/59}.

1 So this is the actual returns that BT was making on
2 all its services in BT Consumer. The dark green line is
3 including the SFV services. The light green line is
4 stripping out the excess that we say is there on SFV
5 services to get, if you like, an unadulterated version
6 of the returns that it is making. On the other
7 products, of which the vast majority is going to be
8 bundles because we know that about 80% of all
9 BT Consumer's revenues are bundles. So if you look at
10 that the average returns there across the period of the
11 claim are not a million miles away from the 8.9% that
12 Mr Duckworth has identified as being Ofcom's starting
13 point back in 2006.

14 So in that sense this is I think quite a good
15 cross-check of where Ofcom started and where it was
16 hoping to get to. These markets, and I think BT's view
17 is that bundles are competitive and therefore these are
18 a competitive outcome primarily driven by bundles, the
19 various different bundles markets.

20 I think from the perspective of SFV services we
21 might think probably there is more -- one would expect
22 a lower return on sales because in the rest of
23 BT Consumer there is a lot more capital. Essentially
24 you have got EE is included in there. You have got
25 various -- so that that -- you would probably expect

1 this to be a slight overestimate on the return of sales
2 you would need to make in a competitive SFV market. But
3 it seems to me that is not a million miles away from the
4 sort of average that Mr Duckworth is using.

5 It is quite a long way from the 25% that Dr Jenkins
6 is using in every single year, and obviously that gap
7 then feeds into the SAC combinatorial in terms of the
8 amount that -- the missing profit or contribution that
9 then needs to be recovered from SFV services.

10 MR RIDYARD: Thank you. We will return on this topic
11 tomorrow. But that is time to --

12 MR BEARD: Could I just raise a housekeeping point. It is
13 only just looking at the agenda. Obviously we have
14 a full day on the hot tub tomorrow and I do not in any
15 way want to limit scope of questioning but is it
16 realistic that we are going to be going all day on the
17 remainder of these questions?

18 MR RIDYARD: Unlikely I would say.

19 THE CHAIRMAN: We have also been giving thought to that. We
20 do not think we are going to be here all day on the
21 hot tub side of things.

22 MR BEARD: So that naturally leads to the next question
23 which is, are we going to roll into cross-examination
24 tomorrow afternoon, say? I mean, I am more than happy
25 to do that but I just think it is useful if we all know

1 where we are headed in terms of timing and so on.

2 THE CHAIRMAN: Just one moment, please. (Pause).

3 Mr Beard, for our part we would be content to roll
4 into cross-examination tomorrow on the basis that it is
5 possible that it is not that the hot tub is going to
6 finish half an hour early, it might finish significantly
7 earlier than that, I am not saying necessarily by
8 lunchtime but perhaps just after lunchtime, and I think
9 that it would be better if we go straight into
10 cross-examination. If that means that things wind up
11 earlier on Thursday, well then that is fine.

12 MR BEARD: That was my thinking, that if we could finish by
13 lunchtime, say, on Thursday or whatever, that would be
14 to everyone's benefit.

15 THE CHAIRMAN: Yes. Then depending on when we start
16 cross-examination tomorrow, then prima facie you will
17 split the time between you.

18 MR BEARD: Yes, yes. I mean, I do not anticipate at the
19 moment that I will need as long as I had with Mr Parker
20 in total. I imagine most, if not all, of my questions
21 will be for Mr Duckworth in any event.

22 THE CHAIRMAN: Yes. Thank you.

23 Anything you want to add, Ms Kreisberger?

24 MS KREISBERGER: No, that works very well. I will also have
25 less cross-examination than post the last hot tub.

1 THE CHAIRMAN: Good.

2 10.30 tomorrow then, please.

3 MS KREISBERGER: Thank you, sir.

4 (4.32 pm)

5 (The hearing adjourned until Wednesday, 21 February at

6 10.30 am)

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