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IN THE COMPETITION
APPEAL TRIBUNAL

1517/11/7/22

Salisbury Square House
8 Salisbury Square
London EC4Y 8AP

Monday 18th November- Friday 20th December 2024

Before:

The Honourable Justice Michael Green
Ben Tidswell
Professor Michael Waterson

Merchant Interchange Fee Umbrella Proceedings

A P P E A R A N C E S

Sonia Tolaney KC, Matthew Cook KC, Owain Draper & Daniel Benedyk on behalf of Mastercard
(Instructed by Jones Day and Freshfields Bruckhaus Deringer LLP)

Daniel Jowell KC, Jessica Boyd KC, Isabel Buchanan, Ava Mayer & Aislinn Kelly-Lyth on behalf of
Visa (Instructed by Linklaters LLP and Milbank LLP)

Kieron Beal KC, Philip Woolfe KC, Oscar Schonfeld, & Reuben Andrews on behalf of the SSH
Claimants (Instructed by Scott + Scott UK LLP and Stephenson Harwood LLP)

Mark Simpson KC, Jack Williams & Alastair Holder Ross on behalf of Walter Merricks CBE
(Instructed by Willkie Farr & Gallagher (UK) LLP)

Thursday, 28 November 2024

(10.30 am)

In open court

MR DEREK HOLT (continued)

Cross-examination by MR BEAL (continued)

THE CHAIRMAN: Good morning.

MR BEAL: Good morning.

THE CHAIRMAN: Can we just clarify, before we resume with

Mr Holt, in relation to the timetable. Do you --

I think it would make a lot of sense if we can finish

with Mr Holt this week. Is that going to be possible?

MR BEAL: Yes.

THE CHAIRMAN: Good.

MR BEAL: I am hoping that we can use tomorrow morning to go

into closed session for the confidential material, deal

with that in one go, and I am hoping, touch wood, to be

sat down by lunchtime tomorrow.

THE CHAIRMAN: By lunchtime.

Then that will give you enough time for

cross-examination to finish by close tomorrow, because

it would not be good to hold him over the weekend.

MS TOLANEY: Yes.

THE CHAIRMAN: We can start with Mr Coombs, then, on Monday

morning.

1 MR BEAL: Yes.

2 THE CHAIRMAN: Excellent.

3 MR BEAL: Thank you.

4 THE CHAIRMAN: Good morning, Mr Holt.

5 THE WITNESS: Good morning.

6 MR BEAL: Good morning, Mr Holt.

7 A. Good morning.

8 Q. I am now going to look at the counterfactual analysis,
9 because I understand you are keen to anchor your
10 analysis in the counterfactual. Is that right?

11 A. That is right.

12 Q. That helps you, of course, does it not, to try and
13 justify the long-term analysis that you are also keen to
14 advance for your client?

15 A. I think it is one factor.

16 Q. Now, please could we look at {RC-G/17/76}, this is your
17 twelfth report, at paragraph 214. Here you say:
18 "... the counterfactual change in MSCs would likely
19 have been perceived as permanent as opposed to
20 transitory."

21 In the factual world, we have had a number of
22 non-transitory changes to the MIFs, have we not?

23 A. Yes, I think that is correct.

24 Q. So just running through them. In January 2015, for
25 example, the Visa commitments decision came into effect?

1 A. Yes.

2 Q. In December 2015, we had the IFR caps that reduced the
3 MIF for consumer cards?

4 A. Yes.

5 Q. In April 2019, Visa cut its inter-regional fees in
6 accordance with the commitments it then gave the
7 EU Commission?

8 A. Yes.

9 Q. In 2021, following Brexit, Visa then increased its
10 interchange fees for card not present UK EEA
11 transactions from 0.2% for debit cards to 1.15% for
12 debit cards, and from 0.3% for credit cards to 1.5% for
13 credit cards; correct?

14 A. Yes.

15 Q. So these are all examples, are they not, of --
16 relatively significant in relative terms -- increases in
17 the MIF rate or decreases in the MIF rate?

18 A. Yes, I would agree with that. One brief observation is
19 that in many of those cases, the changes took effect in
20 relation to some but not all types of interchange fees.
21 In some of those cases, and generally I think in all of
22 those cases, there was not an abolition but there was
23 a change in the level of the rate, but I appreciate some
24 of the changes were more significant than others.

25 I think the other thing to bear in mind, and this is

1 a point made by the European Commission in relation to
2 its post-IFR study, given that that was one of the --
3 obviously the most significant changes was the reduction
4 in the MIFs due to the IFR, which was that in looking at
5 the effects of that, one had to also recognise that
6 there were some other things moving at the same time,
7 i.e., scheme fees and retailer perceptions about
8 commercial cards fees.

9 Q. You have posited the idea of a firm reducing prices
10 following a reduction in merchant service charges in
11 your counterfactual analysis. That is correct, is it
12 not?

13 A. Yes, yes, at the beginning of the claim period is my --
14 the assessment of the counterfactual in my analysis.

15 Q. Well, when do you say that reduction would have taken
16 place?

17 A. I take it as at the beginning of the claim period.

18 Q. If the claim period for some claimants starts in 2021,
19 are you positing in your counterfactual that it would be
20 2021 that that change took place?

21 A. Well, I think that raises a potential complexity that
22 I have not addressed, which is what would be the case if
23 there were significantly differential claim periods, and
24 it would be appropriate to look at on a case-by-case
25 basis and remove the MIFs only for that claimant, or

1 that claimant sector, specific to that claim period?

2 That is not the way I have approached it. I have
3 approached it as essentially saying broadly the claim
4 period relates to, for most claimants, 2010, and
5 therefore I have taken that as the point at which the
6 MIFs would be reduced.

7 Q. But if, for example, there are claimants out there who
8 have only been in business since 2010, they would have
9 never known, on your counterfactual, a life with the
10 MIF, would they?

11 A. That is correct. I do not think it would be important
12 for my analysis because the issue is whether the -- it
13 is a but-for test. So although they would not have had
14 an over time change in that case, for example, they
15 would not have had high MIFs or higher MIFs in 2008 and
16 then had them removed, but my assessment is a but-for
17 test comparing to the 2010 onwards case with and without
18 the MIFs, so that would still be a relevant
19 consideration.

20 Q. But on your analysis, if you are going simply on claim
21 period, you will end up with a patchwork quilt of points
22 at which the MIF changes had to take place in the
23 counterfactual, because it would depend entirely on the
24 cohort of claimants in question?

25 A. Again, I have sort of abstracted from the precise

1 situation as to when a claimant comes in, but, for
2 example, let us say that a claimant begins in 2015
3 because they were not in business prior to that. My
4 assumption is still that the claim period relates to
5 2010, for example, overall, and that if there is
6 a claimant who only has a claim from, say, 2015 onwards,
7 then that does not matter for my analysis. The market
8 level changes would have already taken place as of 2010
9 in my analysis.

10 Q. Now, we know that in the real world some of the
11 decreases in the MIF that I have put to you have in fact
12 taken place, and of course none of the experts has found
13 any evidence of a price decrease as a result, have they?

14 A. Well, I think to the extent that that is based on an
15 empirical analysis, that is correct, but it goes back to
16 the signal to noise ratio problem. The empirical
17 analysis, in my view, is not capable of distinguishing
18 those effects in the broader variation of prices.

19 I would disagree, if one looks to a somewhat broader
20 set of evidence, that there has been no change, because
21 there have certainly been public announcements by
22 retailer associations, such as the British Retail
23 Consortium and the Association of Convenience Stores,
24 who have identified that changes in MIFs have had an
25 impact, or certainly they say they would have an impact.

1 Q. In 2015?

2 A. No, that is not necessarily specific to 2015.

3 Q. Right. Well, can we then focus on, instead of a price
4 decrease in 2015, a price increase following Brexit in
5 2021. Again, there is no evidence in the factual of
6 price increases following that change?

7 A. Again, I think the signal to noise issue that I think
8 essentially all the experts, at least the ones that were
9 in the hot-tub, recognise was an issue, would apply
10 essentially to all of these potential empirical
11 assessments that you might wish to carry out, so I do
12 not think that is really a route by which one can really
13 get into the evidence as to what has been the retail
14 pricing impact.

15 Q. Could we look, please, at Mr Murgatroyd's first
16 witness -- expert report {RC-F/6/79}. He, in his model,
17 analysed by regression analysis whether or not the MIF
18 led to -- the MIF reduction in 2015 led to a reduction
19 in premiums charged by Allianz, and we see at
20 paragraph 374 that he found no evidence of that?

21 A. Yes.

22 Q. He says:

23 "I do not find any evidence that the introduction of
24 IFR, at which point the MIF rate fell significantly, led
25 to a statistically significant reduction in premium."

1 Do you see that?

2 A. Yes.

3 Q. If we look, please, at {RC-F/8/87}, in Mr Ramirez's
4 second report, which is his positive case, paragraph 229
5 at the top of the page:

6 "In the preceding section [he says], I have
7 presented analysis demonstrating that Primark did not
8 react to the 2015 MSC decreases in the same manner it
9 reacted to VAT decreases. In particular, while
10 Primark's prices were responsive to the December 2008
11 VAT decrease, [they] were impervious to the 2015 MSC
12 decreases up to four weeks after the decreases."

13 So that recognises, does it not, that, again,
14 Mr Ramirez has found no empirical evidence in the
15 factual world of the IFR reduction producing any effect?

16 A. Well, I engaged with what both Mr Murgatroyd and
17 Mr Ramirez said about the analysis regarding the impact
18 of changes in MIFs on prices for Allianz and Primark
19 respectively and, as I explained I think quite
20 extensively in my report, I put no weight on either of
21 those analyses.

22 In relation to Mr Murgatroyd, he reaches that view
23 having identified a natural experiment of a change in
24 the MIFs, but the change in the MIFs, as I think the
25 experts broadly have accepted, is a very small

1 percentage of the overall pricing and is therefore
2 subject to the signal to noise ratio problem.

3 The demonstration that it is severely subject to
4 that problem is identified by the fact that he himself
5 has identified cases for some of his natural experiments
6 of what would be very high, and indeed implausibly high
7 rates of pass-on of several hundred per cent in some
8 cases, or even higher than that, but even those are not
9 found to be statistically significant, and the reason
10 for that is he has a signal to noise ratio problem, the
11 results are meaningless.

12 Q. Can I just focus in, perhaps with slightly more
13 precision, on a specific example with you. I am not
14 going to mention the name of the company, but there is
15 a company we all know about who has put the MSC charges
16 as a payment cost into a pricing engine; correct?

17 A. Yes.

18 Q. You have not been able to detect, have you, any impact
19 of these MIF increases or decreases in that particular
20 company?

21 A. So I will not name the company. I have looked at
22 analyses which takes a broader set of costs and I have
23 identified a relationship in that regard, but
24 I appreciate that is different than looking at
25 a relationship between the MIFs themselves.

1 In my view, the MIFs themselves, which even for that
2 company represent a small proportion of the prices that
3 I was looking at, i.e., far less than 1%, would not be
4 capable of demonstrating an effect, even if one sought
5 to empirically investigate that, and I realise that
6 Dr Trento has tried to take a proxy that includes the
7 MSCs but a little bit more. I will not name the -- what
8 the name of the other variable is, perhaps, because it
9 seems like I should not.

10 Q. We will come back to that tomorrow morning.

11 A. Fine.

12 PROFESSOR WATERSON: Can I raise a point in relation to this
13 discussion?

14 A. Yes.

15 PROFESSOR WATERSON: Your chosen proxy, because, as you
16 said, and I agree, the signal to noise ratio is
17 a problem, your chosen proxy is COGS, is that right?

18 A. That is a fair overall description, but the specific
19 proxy varies from case to case. In some cases, and it
20 varies between the different public data and the
21 different claimant data, but essentially what I am
22 looking for is a variable primarily industry-wide cost
23 that meets the signal to noise ratio issue.

24 PROFESSOR WATERSON: In the case of COGS, do they go down at
25 some point as well as up?

1 A. I think that is the case. They certainly fluctuate to
2 some extent over time. It is not -- I think there may
3 well be some movement over time that perhaps is upwards
4 over time. In the context of the public data, that is
5 the case, but I have essentially differenced that to the
6 extent that there was a trend. I have basically
7 stripped that out.

8 In the claimant data, I think there is a bit more
9 volatility, so there are movements up and down.

10 PROFESSOR WATERSON: Right. You see where I am coming from,
11 that if there is very limited or no downward movement,
12 then you are extrapolating from upward movements to
13 potential downward movements?

14 A. Yes. I think that is a fair point, and I do sort of
15 engage on the issue of symmetry. I think you are
16 getting at: is there a symmetric response to an upward
17 and a downward, and I have recognised that in some of
18 the literature there has been some evidence that there
19 might be some asymmetry, i.e., that the firms might be
20 quicker to respond to an upward movement than a downward
21 movement.

22 I engaged on that by demonstrating that while that
23 might be the case as a short-term proposition, it
24 clearly cannot be a long-term proposition, because
25 obviously if you had a fluctuating variable up and down,

1 up and down, and you only reacted to the upward
2 movements but not the downward movements, you get an
3 ever-increasing deviation between prices and costs that
4 would just be, in my view, artificial due to that rule.

5 So my view is that even if there might be
6 a short-term effect, it is unlikely to have a long-term
7 effect.

8 MR BEAL: This, in essence, is the rockets and feathers
9 issue?

10 A. Yes, that is what we are talking about.

11 Q. Some of the empirical studies strongly suggest that
12 firms are more willing to charge you more for a price
13 increase than they are to give money back for a price
14 decrease?

15 A. I think the evidence relates to the timeframe, but
16 I think the issue of how quick a firm might be to react
17 to those changes may in some issues be higher, more
18 quick, in the --

19 Q. This obviously, as Professor Waterson is pointing out,
20 causes a problem for your counterfactual where you have
21 not built that into the factual equation, have you?

22 A. So my response to that is twofold. Firstly, I have, in
23 my analysis, essentially all variations, so it is
24 a combination of upward and downward variation. In my
25 public data, there is no systematic upward variation

1 because I have got differencing. Then, secondly, my
2 point is that while I accept that there might be some
3 evidence of a more rapid transmission mechanism in some
4 cases for a higher price movement than for a lower price
5 movement, I have engaged on that in Holt 11 and
6 identified that that cannot be a persistent long-term
7 effect, because you would have ever-increasing margins
8 over time ad infinitum as a result of people responding
9 in such a way, and that just does not seem credible or
10 consistent with the long-term evidence.

11 Q. Can we look, please, at {RC-G/17/87}, in particular at
12 paragraph 258 and paragraph 259, where you say that
13 Dr Trento has used the wrong counterfactual, you say at
14 259:

15 "As he states in the following paragraph [then over
16 the page]:

17 "'the pass-on question is whether - in a
18 counterfactual where all other costs (including all
19 other overheads) would have been exactly the same as in
20 the factual, but the MIF overcharge component of the
21 MSCs would not have been there - the claimants would
22 have triggered a price review and set prices at a lower
23 level."

24 You say that is neither the right question nor the
25 right counterfactual?

1 A. Yes. I think it is because -- so I make this comment
2 because Dr Trento seems to be positing a world where
3 only the MIF would have changed, and therefore the issue
4 of relevance is: would that be sufficient to trigger
5 a potential price adjustment, and I am saying that from
6 a counterfactual --

7 Q. (Overspeaking) The point Dr Trento is making, surely, is
8 that very small changes in cost may be difficult for
9 a company to identify and be less likely to be acted
10 upon, is it not?

11 A. That is consistent with what I was saying. So he is
12 saying the only counterfactual changes are the change in
13 the MIFs, and one can therefore disregard any and all
14 other changes that might be going on at the same time.

15 My point is that that is not what would be
16 happening. All costs would be taken into account. Yes,
17 there would be an incremental change due to the change
18 in the MIFs, but the assessment as to pricing strategy
19 and how firms are engaging would still of course take
20 into account all the other costs, and then the change in
21 the MIFs would be rolled up within that.

22 So it is essentially dealing with the small cost
23 price adjustment ratio which is where I disagree with
24 Dr Trento.

25 Q. So you are saying the individual MIF is too small, we

1 recognise this, but when it is aggregated with other
2 costs in the same bucket, that may trigger a review?

3 A. No, I am not saying it will trigger a review. What I am
4 saying is, given that there will be a range of
5 variations in costs and other market conditions over
6 time, that the incentives are essentially the same as to
7 whether the size of a cost change is small or large, and
8 that even if a small cost is not sufficient in and of
9 itself to trigger a price change or review, all of the
10 costs would be expected to be taken into account, at
11 least all the costs that are variable and firm wide.
12 Obviously those are the ones that are -- the ones that
13 are most relevant.

14 Q. Please could we look at {RC-J1.4/53/66}. You just said
15 that is the size -- the absolute size of the cost would
16 not be relevant. Can we see what the RBB report, the
17 2016 report, has said about this at paragraph 109. This
18 page 66.

19 We see there at 109 there is a reference to
20 overcoming price adjustment costs, and then in 109 it
21 says:

22 "Moreover, in order to act on this incentive to
23 adjust prices ... a firm will also need to have
24 recognised that a relevant change in circumstances has
25 occurred, and identified that a change in pricing would

1 be desirable, and what a sensible price change would be.
2 This may not be a trivial requirement when the cost
3 changes at issue are very small, and/or changes in
4 demand conditions are substantial. Hence, pricing may
5 not be as responsive in practice as simple theory alone
6 would predict."

7 So that is recognising, is it not, that the small
8 size of the cost that is necessarily the focus of your
9 analysis in the counterfactual may well mean that
10 nothing changes?

11 A. Well, I think this report goes on to say that, if
12 anything, this is likely to be more of an issue in the
13 short term, rather than the long term, and I think
14 several of the experts, including some of the experts
15 such as Mr Murgatroyd, explicitly recognised that the
16 suggestion that the MIF change needs to be a trigger for
17 the price review is a fallacy, at least in the longer
18 run, because all costs would be proportionately taken
19 into account.

20 That same point is also made by merchants who were
21 surveyed by the European Commission in relation to the
22 IFR study.

23 Q. I am coming onto --

24 A. They captured all the costs.

25 Q. I have promised twice now I am coming onto the --

1 A. Fine.

2 Q. Essentially, what you are saying is that the MIF will be
3 wrapped up, the MIF decrease/increase, whatever it may
4 be, presumably your analysis would be the same
5 regardless in the counterfactual?

6 A. Sorry, the MIF ...

7 Q. Increase or decrease.

8 A. Yes.

9 Q. In the counterfactual you would have to take into
10 account both possibilities?

11 A. Yes, I think --

12 Q. In terms of --

13 A. -- applying a but-for test. So whatever the actual
14 situation was, assuming that the counterfactual is
15 a reduction in the MIFs at a point in time, then the
16 but-for test would compare those two. So, yes, I would
17 be saying it would be a reduction in MIFs and assumed
18 MSCs.

19 Q. Regardless of whether or not we are adopting the right
20 approach as a matter of law now, which is not a matter
21 for you, I am assuming that you would posit that the
22 counterfactual analysis of a decrease in the price in
23 the MIF would give rise to an analysis that you would
24 say would be appropriate for considering the likelihood
25 of a reaction to a price increase in the actual. That

1 is your objective?

2 A. Yes, I think -- yes, I think that is correct. I -- the
3 evidence -- I think this is going back to the symmetry
4 point. I am identifying that if, in the longer term,
5 there would be a relationship between variable
6 industry-wide costs and prices, that that would apply in
7 a similar way to the MIFs as it does for the proxy cost
8 and, at least in the long-run, in a similar way for
9 upward and downward costs.

10 Q. I appreciate I am paraphrasing, but your analysis is
11 essentially: look, the MIF may be too small, but it goes
12 into a bucket, and the bucket will have significance for
13 the company, therefore the company will change its
14 pricing?

15 A. Yes, although I would not put it in quite such
16 a restrictive way. What I am really saying is that the
17 outcome of the but-for test represents the outcome of
18 a competitive process. That is a combination of
19 firm-specific considerations, individual pricing
20 decisions, how they operate all of their policies, but
21 it is also the outcome of competitive reactions.

22 So I am not relying on essentially a conscious
23 specific decision by a firm to say: look, there is
24 a change, I am therefore making the change as a result
25 of MIFs, or even there is a change in this particular

1 set of costs, I am reacting as a result of that. In
2 part, it could be through customer reaction --

3 Q. (Overspeaking) Forgive me. If that is the theoretical
4 approach you are taking, there will never be a situation
5 in which any company does not at some point over the
6 long term bear the impact of a very, very small cost?

7 A. Sorry, I am just wanting to understand the question.

8 Q. Let me break it down. If they do not need to do
9 anything specifically in response, and if they do not
10 need to know about it specifically in response, and if
11 your point is not that it gets aggregated in a bucket,
12 and the bucket triggers a pricing decision, and you are
13 simply saying: it is there as a cost, it must in the
14 long term be taken into account, and therefore it must,
15 in the long term, be passed on?

16 A. Sorry, I perhaps was not clear. I was not saying that
17 they do not operate on a basis of looking at broader
18 buckets. I think they do, and that is consistent with
19 the evidence. It is also consistent, again, with the
20 other evidence I reported. I am just saying that
21 even -- that is sort of one route by which the but-for
22 outcome could happen, but there are some other routes as
23 well, i.e., the competitor reaction route, which does
24 not require an explicit observation of a cost change, it
25 requires instead a reaction to a competitor.

1 Q. Just imagine for a moment we are talking about small
2 costs, bigger bucket, bigger bucket has impact. It
3 would follow that you needed to work out which is the
4 bigger bucket that the firm is looking at that triggers
5 the price review; correct?

6 A. If you wanted to sort of forensically trace which was
7 the price decision that was made and which bucket
8 changed, and therefore to trace that back to the MSC,
9 then I agree, that is the approach that you would need
10 to adopt, i.e., to understand in which bucket does the
11 MSC sit, yes.

12 Q. Can we then please look at {RC-G/17/88}, paragraph 260.
13 This is your twelfth report.

14 A. Paragraph 260, yes.

15 Q. You say halfway down:

16 "It is not necessary for the change in the MSC to
17 'trigger' a particular price change. It suffices for
18 the counterfactual reduction in MSCs to affect a pricing
19 review that would have taken place in any case ... that
20 took place in the actual ..."

21 A. Yes.

22 Q. So that seems to be you adopting the bucket approach, is
23 that right?

24 A. Yes. The additional point is that the approach can be
25 adopted either in a positive way, i.e., a movement was

1 taken in the same direction of the change in the MIFs,
2 or it can be in the offset way, i.e., a change that
3 might have otherwise happened in the counterfactual was
4 not taken in the actual because the change in the MIFs
5 had an offsetting effect. So it is just saying there
6 are two sort of different directional ways in which the
7 but-for test could be applied.

8 Q. In the last but -- in fact, I think it is the last
9 sentence there, it is just a long one, it says:

10 "For example, a counterfactual reduction in
11 operating costs could have limited the need for price
12 increases following the recent surge in inflation ..."

13 So you are recognising there that the bucket might
14 well be operating costs?

15 A. Yes, that is one possibility.

16 Q. Could we then please go to page 62 {RC-G/17/62} and look
17 at paragraph 180, subparagraph (b). You there criticise
18 Mr Ramirez, who was the expert for Primark, for using
19 operating costs as the proxy cost for his analysis.

20 A. Yes.

21 Q. But on your analysis, that could well be the bucket that
22 tips the matter over into a new pricing regime?

23 A. But what I am saying is that even if in the treatment
24 approach it was accounted for as an operating cost,
25 i.e., as an overhead, firstly, one needs to look at the

1 actual nature of the MIFs, and overheads can of course
2 have a mix of types of approaches, as we discussed
3 extensively in the hot-tub, from fixed, semi-fixed and
4 variable.

5 Q. I promise you I am going to come on to that as well.

6 A. Okay, fine. What I am saying is that there are then
7 a number of channels by which the firm's
8 profit-maximising incentives can be put in place, and in
9 the longer term the appropriate proxy, in my view, is
10 one which does reflect the characteristics of the MIFs,
11 and that even if there is -- for example, even if it
12 were agreed that there was a treatment as an operating
13 cost, the other channels would be mechanisms by which
14 the profit-maximising incentives would still be put into
15 place, and that is --

16 Q. One of the characteristics you have landed on, or factor
17 that you consider relevant, economic factor that you
18 consider relevant, is the so-called industry-wide nature
19 of the MIF; correct?

20 A. Yes.

21 Q. You have assumed that all firms in a sector will act in
22 the same way in response to changes in the MIF, is that
23 right?

24 A. I think that is fair. I have essentially said that
25 there would be an empirical assessment of a change in an

1 industry-wide cost, which would lead to an estimate of
2 a pass-on rate, and then I apply that at the sectoral
3 level.

4 I do recognise, of course, that the sectoral
5 assumption is -- is an assumption that all firms in
6 a sector would be expected to have similar demand and
7 supply and competitive intensity conditions. I do not
8 think anyone would realistically say it would apply in
9 that literal sense, but it is, in the context of these
10 proceedings, I think a reasonable starting point, and
11 frankly a necessary assumption, because we do not have
12 firm-specific empirical evidence across the board.

13 Q. Can I just test the parameters of that assumption. You
14 are not suggesting, I think, that all merchants pay 0.2%
15 on all their sales by way of payments to Visa or
16 Mastercard?

17 A. No.

18 Q. You are not suggesting that there are not different
19 rates for debit and credit card transactions?

20 A. No.

21 Q. There are also different rates for consumer as opposed
22 to commercial cards; correct?

23 A. Correct.

24 Q. There are different rates for different regions
25 depending on whether it is inter-regional or domestic?

- 1 A. Correct.
- 2 Q. Different rates for card present, card not present?
- 3 A. Correct.
- 4 Q. There are different costs associated with the acceptance
5 of cards as opposed to the acceptance of cash?
- 6 A. Yes, yes, I would agree with that last statement as
7 well. It is not something -- that last statement is not
8 something I have taken into account in this context.
9 I consider that to be more relevant to the exemption
10 case.
- 11 Q. When a company in the real world has a category in its
12 Sage accounting software for payment charges, that will
13 encompass not simply the MIF paid by way of the MSC to
14 the merchant acquirer, but also the cost of cash
15 collection, the cost of alternative payment methods,
16 bank charges for using BACS, and so on?
- 17 A. I do not have a view on what the Sage accounting
18 software would group together or not.
- 19 Q. Happily, we have Mr Economides coming to give evidence
20 in a couple of weeks' time.
- 21 A. Fine.
- 22 Q. Now, obviously some firms -- as we know, M&S being
23 one -- did not accept credit cards for a while, did it?
- 24 A. I am aware of that point having been made, I think by
25 Ms Webster the other day, yes.

1 Q. If we could now look, please, at Ms Webster's
2 increasingly infamous graph, this is {RC-F/14/124}. In
3 fact, this is the less infamous of the two graphs,
4 because this is the one that deals with acceptance by
5 merchants rather than card usage figures. In fact,
6 I think this has not yet received the cold steel from
7 Mr Simpson KC.

8 But if we look at this, please, what this does show
9 is the share of outlets accepting card payments of
10 registered businesses in the UK. If we take the point
11 at which the claim period roughly starts,
12 i.e., 2011/2012, picking a date at random in a sense, we
13 see that the figure is about 50% and it rises to about
14 60% over a ten-year period. Can you see that?

15 A. I can see that.

16 Q. That implies, does it not, that at least a substantial
17 chunk of businesses, somewhere between 40 and 50% of all
18 registered UK businesses, do not accept card payments?

19 A. Well, I think there are two important remarks. One,
20 there is a -- and both of these were made in the hot-tub
21 context. One, there is a series break, and so, on
22 a consistent basis, there is a change.

23 I am not sure if one needs to raise the second part
24 of the line up, certainly one would need to do that for
25 consistency with the first part of the line, and that

1 was a point made by Ms Webster in how to interpret this
2 graph in --

3 Q. So assuming that you are right, that would lead to --

4 A. 60 to 70 --

5 Q. -- somewhere between 30 and 40% of retail businesses not
6 accepting cards?

7 A. Yes. Then I made a further point in relation to that,
8 which is that this is source APACS, and it is -- the
9 denominator is essentially all ONS-registered
10 businesses, including self-employed businesses, so
11 I would expect that a lot of the non-accepting
12 registered businesses would be of that type, and that
13 would be less relevant for the purpose of thinking about
14 merchant retailing.

15 Q. Well, at the risk of giving evidence, I do not accept
16 credit cards, and I do not suppose Mr Jowell does either
17 for his brief fees.

18 A. That would be consistent with my point.

19 Q. But if one is looking at --

20 PROFESSOR WATERSON: (Inaudible).

21 MR BEAL: At the moment, yes!

22 THE CHAIRMAN: (Inaudible) dealing in cash!

23 MR BEAL: Certainly not; I have never been a cash trader and
24 I never intend to be cash trader. I think that is my
25 cross-examination over, I hope!

1 Could we look, please, at Mr Murgatroyd's opinion
2 evidence on this. This is {RC-F/6/19}, paragraph 86.

3 He says:

4 "Figure 1 shows a decrease in the MIF rate paid by
5 [one of the Allianz companies] immediately following the
6 introduction of the IFR. However, from 2018 onwards the
7 MIF rate ..."

8 I shall not read the rest because some of it is
9 confidential. Can I invite you to read that paragraph
10 for risk of trespassing --

11 A. 86?

12 Q. 86, please, yes. (Pause)

13 A. Yes, I see that.

14 Q. If we scan down to the next page {RC-F/6/20}, we will
15 see figure 1. Again, it is confidential, so I will just
16 make some very abstract points about it.

17 That shows, does it not, even with a cohort of
18 businesses under a common umbrella company, they are
19 paying different, to use a neutral expression, rates of
20 MIF over a pretty substantial period?

21 A. Yes, it does say that, and I think the preceding
22 paragraph gave the explanation as to the one of the
23 three lines, I will not comment on the detail, which is,
24 obviously diverging significantly from the others, is
25 likely to be due to its focus on corporate customers.

1 I do not --

2 Q. (Overspeaking) Could we look at page 24 in this report
3 {RC-F/6/24}. There is a figure 2 there, and you will
4 see that the -- I think this is arguably the point you
5 are making, hence taking you to it, rudely cutting
6 across you, is that different businesses have different
7 acceptance rates depending on their business model?

8 A. So this -- sorry, you made a point about acceptance
9 rates. I think we are now on share of payments which
10 are by card.

11 Q. But that would imply, would it not, that certain
12 business models have fewer transactions with cards
13 because it is more common for a customer to pay by
14 direct debit or another payment method?

15 A. I partly agree that if there is a variation in
16 transactions which are paid by card between businesses,
17 then there are a couple of possible explanations.
18 Mr Murgatroyd here is putting a view that there is
19 a very large difference in the share of transaction
20 value that is by card for two business units. I will
21 not go into the confidential detail. I engaged on that
22 point in Holt 12 and explained that this is likely to
23 reflect the different business focus of direct versus
24 aggregate sales for these two, and therefore does not
25 actually imply that customers are making different --

1 significantly different choices in relation to payment
2 for similar transactions.

3 The firm -- sorry, the part of the business here
4 with a lower share of transaction values of payment card
5 is almost certainly explained by the fact that it is not
6 primarily a direct business model, but it is sort of
7 using aggregators to sell the policies. So the
8 customers paying a third party, and using their card, in
9 my view, in a broadly similar proportion of occasions as
10 would be the case for a direct sale, it is just that
11 this firm is operating at one layer above that. It is
12 a bit like a wholesaler of the policies to a downstream
13 re-seller.

14 So my point is that the downstream re-seller will of
15 course be levying fees and charges onto the wholesaler
16 to transmit back part of the premiums that the re-seller
17 is selling policies for, and part of the cost that it
18 will be submitting back or charging back to the
19 wholesale provider will include the payment costs, and
20 my expectation would be that there is no reason why
21 customers would be using payment cards at a very
22 different level on the resold -- the re-seller-based
23 policies as the direct LVIC -- sorry, I should not have
24 said that, the direct line of business sellers.

25 Q. You touched there on a difference between an agency

1 model of selling and a direct model of selling as well
2 and, from your evidence you have just given, you would
3 recognise that they could produce different levels of
4 MIFs, and a different significance for the MIF,
5 depending on the type of business model that is adopted?

6 A. What I am explaining is that broadly the MIFs would be
7 similar. The proportion of payments by card would vary,
8 but the reason for that is that in one case you have
9 mainly consumers purchasing, and the other case -- from
10 the company directly. In the other case it is
11 a wholesaler, and the cost of the credit card fees would
12 be built into the fee that the re-seller is providing.
13 So there is no basis on which there would be any
14 expectation of a systemic difference between those two.

15 Q. In terms of industry-wide as a concept, there is
16 obviously some costs, some overhead costs, which are
17 likely to be industry-wide, are there not? Such as, for
18 example, the need to pay commercial rent on premises, or
19 the need to have public liability insurance. Those are
20 likely to be common costs across an industrial sector?

21 A. I fully accept that some overhead costs are likely to
22 have a component of an industry-wide nature, but my view
23 is if you compared the two broad potential proxies used
24 by the experts, COGS on the one hand or other variable
25 costs and overheads, that overheads are to a much

1 greater extent fixed or semi-fixed and --

2 Q. Just pausing there. Where is your evidence for that?

3 A. Well, that is what Mr Economides indicates, and it also,
4 I think, stands to reason that COGS is primarily
5 variable, because it directly relates to the sales of
6 the retail products, whereas overheads is obviously
7 a whole mix of more or less everything else, and that
8 could include property costs, labour, all sorts of
9 things, marketing costs, which will generally be a mix
10 of variable, semi-variable and fixed, and Mr Economides
11 generally indicates that overheads include a significant
12 proportion of semi-variable and fixed costs.

13 Q. Well, let us just clear this up now. As I understand
14 it, if we go, please, to {RC-G/17/28}, which is your
15 twelfth report at paragraph 51, if we can drill into 51,
16 then --

17 A. Yes.

18 Q. -- you say:

19 "To get an idea of the share of overheads of the
20 fixed costs, I have relied on the categorisation of
21 Mr Economides. His categorisation indicates on average
22 30% of overhead costs are fixed costs and 57% are what
23 he calls semi-fixed costs."

24 So that is based, you say at footnote 63, on
25 a particular paragraph in his report.

1 Now, if we go, please, to your report then in
2 this -- this twelfth report at page 113 {RC-G/17/113},
3 Mr Economides has referred to fixed and semi-fixed -- or
4 semi-variable, depending on how one wants to categorise
5 it, they are binary -- and what you are saying here is:

6 "As previously discussed ... Mr Economides, the
7 pricing expert --"

8 THE CHAIRMAN: Which paragraph?

9 MR BEAL: 329(a):

10 "... has classified the different categories of
11 overhead costs based on whether they are, in his view
12 ..."

13 You then say:

14 "The data presented ... above shows that, when
15 excluding [a particular claimant], the average
16 claimant's [overhead costs] consist of 31% fixed ... 64%
17 semi-mixed ... and 5% variable ..."

18 Now, what I understand, and then if we look at
19 paragraph -- figure 5.1, which I thought was on the next
20 page but I cannot see it. But the essential point is he
21 has identified a semi-fixed or semi-variable category;
22 correct?

23 A. Correct.

24 Q. But he has not actually said what proportion of that
25 category is attributable to fixed or variable, has he?

1 A. No, I do not believe he has.

2 Q. So when you infer that he supports the conclusion that
3 a majority of the overall costs will be fixed, that has
4 to be based on an implicit assumption about the
5 breakdown between fixed and variable within a component
6 that is specifically semi-variable?

7 A. I think that is a fair statement, to the extent that the
8 purely fixed ones are below 50%, and they seem to be,
9 and a lot of the -- there is a fairly large category of
10 semi-fixed. Obviously if they were -- the semi-mixed
11 ones were 99% variable and 1% fixed, you might as well
12 call them variable, but if they are more 50:50 in
13 nature, then that would, in my view, lead to
14 a significant increase in the overall share of the
15 company's cost base that could be treated as fixed and
16 variable.

17 Q. We will come back to your glamorously named Monte Carlo
18 experiment a bit later on. That was just something
19 I wanted to pick up while you were giving that
20 particular evidence.

21 Can we come back, please, to what we were dealing
22 with, which was industry-wide costs.

23 A. Yes.

24 Q. As I understand it, you accept that there will be
25 a proportion of costs which are common to a given

1 industrial sector that are properly categorised as
2 overheads?

3 A. Yes, but my view is that the extent to which overheads
4 are likely to be firm-specific will be greater than is
5 the case both for MSCs, which is obviously the most
6 crucial issue, and indeed by comparison to COGS, and
7 that --

8 Q. Is that right? What about labour costs which for
9 entertainment or restaurant business are going to be
10 a very high proportion of overheads; correct?

11 A. In some sectors, I agree that labour could be
12 a significant proportion of costs, yes.

13 Q. Something like labour is going to be -- there will be a
14 prevailing labour rate, governed not least by the
15 national minimum wage?

16 A. Yes, I think it is fair to say that there would be
17 a degree of commonality in wages. Obviously there might
18 be variations across firms, but I think there would be
19 a degree of commonality in wages. There might be
20 variation, however, in things like utilisation and, you
21 know, the extent to which the aggregate level of labour
22 expenditure is spread out across the activity of the
23 firm --

24 Q. (Overspeaking) As I understand it, you have accepted,
25 have you not, that labour costs can well be treated as

1 a variable cost?

2 A. I have identified that in some sectors in my public
3 analysis that the labour cost is probably the best
4 representation of a variable cost, an example being
5 beauty salons where obviously, you know, there are
6 a number of staff carrying out the work, and a few other
7 examples --

8 Q. (Overspeaking) -- any service industry; correct?

9 A. Yes, you are right. In the retail services sector more
10 generally, I have identified labour as an important
11 variable cost, yes.

12 Q. Now, can we move on to look at the last of the economic
13 factors I wanted to look at before looking at the
14 variable cost issue, and that is the smallness of the
15 MIF, as I call it.

16 Your approach to estimating pass-on involves looking
17 at the economic characteristics of the merchant service
18 charge and then trying to find a like proxy. Is that
19 right?

20 A. Sorry, I was just going to -- forgive me, just taking
21 one step back, just to finalise briefly on the fixed
22 versus industry-wide thing, because I think my point has
23 never been that all overheads are firm-specific and all
24 COGS are necessarily industry-wide. A lot of COGS may
25 well be actually determined by factors such as which

1 individual supplier you buy from, whether you have
2 managed to agree discounts because you have a lot of
3 buyer power, you know, do you tend to import or, you
4 know, purchase domestically.

5 There is a range of things that could be somewhat
6 firm-specific, even in relation to COGS, and I accept
7 that that is also the case for MSCs.

8 My point is that overheads overall, which include
9 a whole range of things, including things like property,
10 the timing of investment as to new facilities, new
11 logistic centres, distribution centres and so on, the
12 variation in that is likely to be much more dictated by
13 firm-specific decisions which can therefore, in my view,
14 be a real concern when using overheads as a proxy for
15 MIFs which are much more industry-wide.

16 Q. Now, true or false, one of the economic characteristics
17 of a cost is both its absolute and its relative size?

18 A. True. I think that is true.

19 Q. Your approach to dealing with a proxy is to assume that
20 the cost treatment of a very small cost can be
21 appropriately approximated by looking at the treatment
22 of a very significant cost?

23 A. True.

24 Q. Could we look, please, in the RBB study, this is
25 {RC-J1.4/53/136}, picking it up, please, at

1 paragraph 338.

2 What we should have there is a reference in the box
3 to a decision of the Appeals Court of Paris in the *Doux*
4 case, and reading at the bottom of the page, in that
5 particular instance in French law, as it stood, the
6 burden was on the claimant to show that there was no
7 overcharge, but:

8 "Because the market was deemed highly competitive
9 and the overcharge was industry-wide, the court found
10 that *Doux* did not suffer damages because it could have
11 passed on the overcharges. The Appeals Court ...
12 [however] reversed [that position] and awarded damages
13 to *Doux* on the basis that determining whether pass-on
14 had occurred was irrelevant to the amount of
15 compensation to be awarded."

16 Just moving on, please, to the next one:

17 "The Cour de Cassation [on appeal], however,
18 disagreed and remitted the case back to the Appeals
19 Court of Paris to determine whether *Doux* had passed on
20 the overcharges.

21 "The Appeals Court finally ruled on the facts, that
22 the *Doux* had adequately proved the absence of pass-on.
23 [It] held that *Doux* had demonstrated that:

24 "i) Pass-on was not the normal commercial practice
25 in the market because chicken prices respond to

1 a multitude of economic factors.

2 "ii) Chickens are sold [at] an international and
3 competitive market [price] where prices respond not only
4 to costs but also to demand ... and prices are set by
5 reference to [some] market aimed at ensuring the sale of
6 the product and ... of some margin."

7 We then see at the bottom of that page:

8 "Indeed [it says], prices responded to numerous
9 other factors such as consumer expectations, competition
10 with other meat products [etc], such that the movement
11 in lysine prices could not justify a change in chicken
12 prices and Doux was not able to pass on such ... charges
13 to its customers."

14 That was based, was it not, on the fact that the
15 court, see four sentences up from the bottom of that
16 box:

17 "The court found that lysine represents only 1% of
18 the costs of chicken production, such that it could not
19 be used as a reason to modify chicken prices."

20 So that is a court, I accept in a different
21 jurisdiction, recognising that the small relative size
22 of the overcharge in that case to the overall cost of
23 the product was a reason why pass-on had not been
24 demonstrated to have occurred?

25 A. Yes, I can see what that is saying there.

1 Q. You are aware in *Trucks* that a similar approach was
2 taken, that what Mr Simpson called the "*Trucks* tiny"
3 nature of the overcharge in that case led the Tribunal,
4 amongst other factors, to consider that pass-on had not
5 been demonstrated?

6 A. I am aware of that, and make only one brief
7 observation -- well, two brief observations. One, my
8 approach is looking at the best available evidence as to
9 the sectoral estimates to assume across each sector in
10 relation to the MIF. I think in practice that it does,
11 given that I rely on proxies, require the Tribunal to
12 have formed a view as to whether the proxies, even if
13 they are large, can be a mechanism by which the best
14 empirical evidence can be identified, and there is
15 obviously a separate question as to factual and/or legal
16 causation which I am not really opining on.

17 On *Trucks*, my only other observation is that
18 having -- not being directly aware of it, but I think
19 there were some issues, such as the size of this was an
20 order of magnitude smaller even than the case here, as
21 I understand it.

22 Q. Let us just pick that up. I think it was 0.02% or --

23 A. I think something like that for Royal Mail, and then,
24 you know, a materially smaller amount, as I understand
25 it, for --

1 Q. (Overspeaking) We are dealing here with a debit MIF of
2 0.2% ad valorem on a consumer card, domestically?

3 A. Yes.

4 Q. So that is a magnitude of 10 higher?

5 A. Yes, that is right.

6 Q. You are suggesting, as I understand it, as one of the
7 relevant proxies for the public sector analysis at
8 least, VAT, which of course is -- the prevailing rate is
9 20%?

10 A. Yes, I agree.

11 Q. Which is a factor of 100 higher than 0.2%?

12 A. Yes, it is -- I certainly agree that the proxies I am
13 using, and that also includes in my previous studies,
14 the changes will be larger than the MSCs. In part that
15 is by design to address the signal to noise ratio. It
16 just would not be relevant or get us anywhere to try and
17 look at empirical evidence or studies that relate to the
18 same size as the MSCs because of the obvious signal to
19 noise ratio problem.

20 So then the question is: from an empirical
21 assessment on the larger cost in terms of the rate of
22 pass-on, is that relevant? My answer to that is it is
23 relevant. The economic principles would indicate that
24 the incentives apply at the same rate, irrespective of
25 the size, and that while I accept there might be issues

1 around price adjustment costs or the timing of the
2 mechanism by which that same underlying incentive would
3 apply, in the context of these proceedings, given the
4 counterfactual, that is not relevant, because that would
5 be only relevant to a short-term assessment and we are
6 looking at a long-term one.

7 Q. So to summarise, you recognise that you cannot show the
8 impact of such a small cost as the MIF having a direct
9 impact on price increases or price decreases downstream
10 in the merchants' claims; correct?

11 A. I think, yes, if one is looking at an empirical analysis
12 due to the signal to noise ratio, and I think all the
13 experts were, bar Mr Murgatroyd, sort of accepting that.

14 Then there is the question about what do you do
15 about that? Obviously there is some qualitative
16 evidence, and there is a question mark as to how
17 comprehensive the qualitative evidence is and --

18 Q. (Overspeaking) We will be coming on to that, I promise,
19 again.

20 A. Then there is other evidence, including what you have
21 already said you will come back to, which is the
22 European Commission study evidence, and evidence that
23 individual organisations have said about what they
24 would -- what their concerns are about MIFs, such as,
25 you know, rising scheme fees driving up consumer prices

1 which is what the RBC said.

2 Q. One of your responses is then the one you have just
3 given, which is to pivot to say, well, the smallness of
4 the MIF may mean that in the short term nobody takes it
5 into account but in the long term things will be
6 different?

7 A. Yes, I think that is one way of putting my broader
8 point, which is that in a but-for test, and assuming, as
9 I do, that in the long term, the underlying incentives
10 of the firms and indeed the whole sector are
11 a reasonable assessment as to what the rate of change
12 would be in a but-for test, that that change is
13 essentially the same whether it is a large or small
14 change in price.

15 Q. So if I book a Hilton Hotel room for the weekend, am
16 I about to pay a price that is based on a MIF that was
17 set in 2012?

18 A. My point is not that the explicit pricing strategy will
19 have a ten-year lag, or 12 in that case; it is that if
20 there is a price adjustment cost, then that can be
21 addressed through the cumulative effect of multiple
22 costs that the company might look at. Or alternatively,
23 even if there is no direct channel for the price
24 adjustment, it might take effect through the competitive
25 reaction.

1 Q. Just using my example of a MIF cost incurred in 2012 by
2 Hilton, when did Hilton price that MIF into its room
3 rates? Which year, from 2012 to 2024?

4 A. So, firstly, my point is not that it would be looking
5 back to see what were the MIFs in 2012 in order to say,
6 in 2015: let us have a three-year look-back period.
7 What I am saying is that, if there was a permanent
8 change in costs, then those would obviously persist for
9 a period of time, and the nature of the reaction to that
10 can either be quick, i.e., you know, when the cost
11 change happens, it is already encapsulated either
12 directly by the company, indirectly through the --

13 Q. Is there any evidence of any of the companies
14 incorporating a change directly in that way? If you
15 need to mention a specific name, then we will deal with
16 it tomorrow morning.

17 A. I think we can deal with that tomorrow morning. My
18 understanding is that two or three of the companies seem
19 to indicate that they take into account MSCs of the
20 small set of the claims that have come forward to
21 provide some evidence.

22 Q. (Overspeaking) For the rest of them, it would
23 necessarily have to be through a budgetary and
24 accounting process of accounting for all costs in due
25 course; correct?

1 A. No, that not correct. Those would be alternative
2 mechanisms, but, firstly, I do not think that the
3 mechanisms identified are necessarily exhaustive, and
4 that is what I said in my report, that I have focused on
5 four direct through pricing strategy, two versions of
6 indirect via the company's own processes, whether it be
7 target margin setting or incentives.

8 Q. These are your implicit channels point?

9 A. These are the implicit channels and --

10 Q. (Overspeaking) So your answer to my suggestion that you
11 are talking about budgetary is to say: no, I have four
12 implicit channels; correct? Because there is no point
13 reiterating the implicit channels that we have been
14 through and we are coming back to, if that is what you
15 are about to do, with respect, because we are coming
16 back to it.

17 A. Ah, okay. Let me sort of try and answer.

18 The reason I was disagreeing is that the competitor
19 reaction channel is not an explicit target margin
20 setting process, that is all I meant to say.

21 Q. Can we move on, please, to look out the issue of
22 variable cost. Now, I think it is -- well, it is
23 relatively clear that your position is that the MSC is
24 a variable cost; is that fair?

25 A. Yes.

1 Q. Broadly speaking, you would say therefore that COGS in
2 the appropriate proxy; correct?

3 A. Well, not just because it is variable, but because it is
4 variable and industry-wide and because we have
5 a long-term framework.

6 Q. Could I ask you, please, to look at Mr Fraser's evidence
7 for Marks & Spencer. That is {RC-H1/10/3}. Some of
8 this is confidential, so I will simply invite you to
9 read it without reading it out.

10 If we can look, please, at paragraphs 12 to 13
11 first, you can see what he says there. Please could you
12 read those to yourself.

13 A. Yes. (Pause)

14 Yes, I have read 12 and 13.

15 Q. Thank you. Please could we then go to page 7,
16 paragraphs 31 to 33 {RC-H1/10/7}. (Pause)

17 A. 31 through 33?

18 Q. Yes, please. (Pause)

19 A. Yes.

20 Q. Can we now please look at Mr Dixon's evidence at
21 {RC-H1/6/2}, paragraph 7. Please would you read that.
22 (Pause)

23 A. Paragraph 7?

24 Q. Thank you. Could we now please go to {RC-H1/15/6},
25 which is Mr Heier's evidence from Wagamama. Please

1 could you read paragraph 43, which is not confidential.

2 (Pause)

3 Then please could we go to paragraph 55, which
4 should be on page 7 {RC-H1/15/7}, at the bottom of
5 page 7. That is confidential. (Pause)

6 Then finally, please, page 8, paragraph 59
7 {RC-H1/15/8}, which is not confidential. (Pause)

8 A. Okay.

9 Q. Just dealing with non-confidential evidence that you
10 have just looked at, that particular company priced
11 essentially by reference to competitor pricing and also
12 gross margin; correct?

13 A. Yes.

14 Q. It did not put the merchant service charges into that
15 calculation, they were treated as overheads instead;
16 correct?

17 A. That is indeed what it says, yes.

18 Q. With the exception of possibly two of the analysed
19 claimants that we have looked at, it is fair to say, is
20 it not, that there is a general trend that MSCs are
21 treated as part of overhead costs?

22 A. I think it is fair that a number of the organisations
23 you have taken me through have described that MSCs are
24 often taken into account as part of the overheads, yes.

25 Q. They will not, therefore, be factored into the COGS

1 calculation?

2 A. In those cases I think that may be correct, yes.

3 Q. Therefore, there will not be a direct way in which MSCs,
4 as a cost, are factored into COGS as a determinant of
5 pricing?

6 A. Yes. I think, again, with the caveat that it does not
7 seem necessarily to me that the information that has
8 been provided overall, and I am not making a specific
9 comment about an individual claimant or statement, but
10 that in general I find it quite difficult to make
11 absolute statements of the form: they have never taken
12 into account or never would, because the evidence
13 I think that you would in principle need to look at in
14 order to rule something like that in or out would need
15 to be not just the description of the policy but the
16 actual application of the policy over the whole claim
17 period in relation to all potential changes that took
18 place in terms of costs and exactly how those were then
19 factored into account.

20 That is not the evidence base that we have.

21 Obviously I am happy to engage with the questions on the
22 presumption that we can take -- in some of these cases
23 it perhaps is the case that --

24 Q. (Overspeaking) Well, let us get to your positive case,
25 which is implicit channels. Please could we go to

1 {RC-G/17/120}. It is your twelfth report,
2 paragraph 355. I did promise I would come back to it
3 and this is the first promise I am fulfilling.

4 Looking at the implicit channels in paragraph 355,
5 we see that they are helpfully separated out there. The
6 first one is:

7 "Direct consideration of costs that include MSCs.
8 Pass-on can occur when the firm sets prices directly
9 based on cost measure ..."

10 Now, subject to two potential candidates for that
11 that we will come back to tomorrow morning, it is fair
12 to say, is it not, that you have no evidence of that
13 routinely happening in practice for the SSH Claimants?

14 A. Yes, I think the evidence from the SSH Claimants is
15 obviously limited to what they have provided. In some
16 of the cases, it seems that they say they do not take it
17 into account. In this section, which is section 7 of
18 Holt 12, I have made those assessments; in other words,
19 in some cases I have accepted that according to what
20 they say, they say they do not take it into account.
21 How far you can read into that, given that these are, in
22 my view, non-exhaustive channels, and there might be
23 questions about: even if the policy is put in place,
24 what would have happened in the counterfactual? Or:
25 under what circumstances might, you know, the precise

1 application of the policy in all cases represent exactly
2 how it is described at a high level? That I cannot be
3 sure about, but I have --

4 Q. Can we then please look at the employee compensation,
5 which is your second channel, and hopefully deal with
6 this a little more quickly.

7 A. Okay.

8 Q. You have speculated about that. We discussed that on
9 Tuesday afternoon, I am not proposing to re-open that
10 particular debate. But it is true, is it not, that
11 there is no differential based on fixed or variable
12 overhead costs which will determine one way or the other
13 how employee compensation is treated as an implicit
14 channel, i.e., if it is a channel, and that is the
15 debate we had on Tuesday afternoon, then there is no
16 differential treatment in your analysis between mixed
17 and variable overheads within that implicit channel?

18 A. I do not have a sufficient information base to say
19 whether it is or not. It might be that that is the
20 case. It might be that we do not have enough
21 information to make that determination on a case-by-case
22 basis.

23 Q. The next one, margin targets.

24 A. Yes.

25 Q. Again, the same point: if you are relying on, for

1 example, an EBITDA margin target, there is no
2 distinction within that margin target between fixed and
3 variable overhead costs, is there?

4 A. I think the same answer applies. I do not think there
5 is enough information with which to make that type of
6 assessment. During -- I think it was perhaps the other
7 day, I cannot remember if it was in the hot-tub or not.
8 My understanding is that there are cases where some of
9 the claimants, again bearing in mind this is a limited
10 disclosure exercise or information exercise from
11 a limited number of people who have come forward,
12 already seems to indicate that there are cases where
13 they treat things differently, even though they are all
14 cast as overheads.

15 So I do not think that one can make a blanket
16 statement that all overheads are treated the same way
17 for either target margin setting or employee incentives.

18 Q. Could I then please deal with the fourth one of your
19 four implicit channels, which is competitor pricing.
20 That will only differentiate between fixed and variable
21 overhead costs if the competitor differentiates between
22 those costs itself; correct?

23 A. Not quite correct. I agree that would be a vehicle
24 through which that would happen, but, as I explain, for
25 the competitor reaction issue to happen, you do not need

1 the rival to have made a conscious decision or to have
2 the direct pricing strategy mechanism. All you need is
3 that any of the mechanisms would have applied and --

4 Q. Again, I covered that with you on Tuesday afternoon, so
5 I am not seeking to re-open the merits of the individual
6 implicit channel debate. As far as I am concerned that
7 is over, at least for my part, for this trial.

8 A. Okay.

9 Q. Can I just talk to you about why there are some real
10 world reasons why merchants would treat MSCs as an
11 overhead, rather than as a cost of goods sold. Let us
12 see if you agree with these.

13 Firstly, the merchant does not know what card
14 payment method, or if a card payment method is going to
15 be used in advance of payment, does it?

16 A. I agree with that at the individual level, but I do not
17 agree that that is a relevant criterion, given that they
18 will have a very good idea, at least within normal
19 bounds of error, as to what the overall proportions of
20 payments will be, based on long-standing practice and
21 their own observation.

22 Q. So when they are billed monthly by their merchant
23 acquirer, they will no doubt know roughly within any
24 given year what the monthly payments are likely to be,
25 based on past payment. Is that your point?

1 A. No, my point is that even if they do not know whether
2 John Smith will use cash or card, that is not a relevant
3 consideration, because over the course of a reasonable
4 period of time they will have a view that, on average,
5 10% are using cash, 80% are using debit card and 10% are
6 using credit card, and that is the salient information
7 that they will take into account.

8 Q. But they do not know, do they, even within the breakdown
9 of a debit card or a credit card, whether it is going to
10 be a consumer or a commercial card, whether it will be
11 an EEA transaction card or not. There are all sorts of
12 factors that they will not know about in advance?

13 A. Yes, but the same point applies again, that they will
14 have experience, they will -- depending on -- from some
15 sectors -- sorry, in some sector cases it may be that
16 they are more typically having customers who are
17 tourists, and therefore they would expect and see in the
18 data a higher share of inter-regional transactions.

19 But that is something that they would have data on
20 and could -- you know, it would not be sort of a random
21 mix as to what the transactions are. They would have
22 evidence on that.

23 Q. You will recall from Trial 1, when we looked at some of
24 the invoices that were submitted by merchant acquirers
25 to merchants, that those monthly invoices would

1 typically be done on a total transaction basis, rather
2 than broken down by individual category of product.
3 Certainly it would not go down to the individual
4 purchase item, would it?

5 A. Well, I agree with that, but it is also consistent with
6 my prior point, that it is not relevant to look at the
7 individual purposes, it is relevant to look at the
8 totality of your purchases and what broad percentages
9 are going to be made by card versus other things.

10 Q. For a consumer using a card, that will quite often, in
11 a supermarket, for example, be buying a basket of goods,
12 not an individual product; correct?

13 A. I agree, and, again, it is not relevant, because I am
14 not saying that each individual MSC change would
15 necessarily have to apply to each individual product, or
16 that all the products would need to be purchased
17 jointly.

18 If there is a change in the MSC that applies to the
19 basket, then that affects the incentives in terms of the
20 margins earned by the retailer on the entirety of the
21 basket. Does that mean they have to apply the incentive
22 change on the prices of each of the individual goods
23 one-by-one? No, of course not. They can just have a
24 somewhat larger discount on bananas, knowing that the
25 typical customer buys bananas, milk and fruit, and other

1 fruit, and that basically by inducing additional sales
2 of bananas, the basket factor will mean that they apply
3 the right incentive overall at the basket level.

4 Q. Of course, the MIF is not a cost that the SSH Claimants
5 can negotiate in advance, and they have no control over
6 it, do they?

7 A. Well, I agree with that, because the MIFs tend to be set
8 at the -- by the schemes on a published basis. There
9 are some factors that determine what the level are for
10 different transaction types, but they are not subject to
11 individual negotiation. My conclusion from that is that
12 that makes it even more a candidate for an industry-wide
13 treatment of a proxy, because things that can be
14 individually negotiated to a great extent from firm to
15 firm would bring in a bit more of a firm-specific
16 component.

17 Q. But you can therefore see, on the combination of all
18 these factors, why a given merchant will think: well,
19 I have a monthly bill from Barclaycard, it is going to
20 take an awful lot of effort to break it down and
21 attribute it to specific individual products. I am
22 going to put it into the box marked "overhead" and work
23 out how to deal with it in due course?

24 A. Well, that -- what individual firms might do could --
25 that could be an explanation, and I can see that maybe

1 some do treat it as an overhead. I would not want to
2 reach a view that because one firm has treated it in
3 that way, that that is a good basis to assume that all
4 its close competitors, or indeed the rest of the sector,
5 would do it that way.

6 In Holt 12, I -- because that was a point that had
7 been made by Dr Trento on the basis of Mr Economides'
8 evidence, that, you know, he said, well, this
9 qualitative evidence on treatment is representative and
10 therefore we can apply it to the whole sector.

11 Well, the problem with that is it is not
12 representative, it is brought forward by a small number
13 of self-selected claimants, in my view, that come
14 forward, but also these matters are not really, in my
15 view, subject to extrapolation in the same way that the
16 underlying conditions of market demand -- supply and
17 demand can be extrapolated from one firm to the whole
18 sector. But these are very idiosyncratic decisions made
19 by individuals that could vary over time, vary within
20 the firm, and I cannot see that you could, you know,
21 assume that just because company X treats it one way,
22 company Y must do it that way as well, and a limited
23 review of that suggests --

24 Q. I am sorry to interrupt, but --

25 A. Sorry, I will stop there.

1 Q. That was a very long answer.

2 A. Yes.

3 Q. You are packing together a number of different things
4 that I will be coming to, yet again, in due course, and
5 I would like to deal with the extrapolation point, for
6 example, separately, so that we have a logical
7 compartmentalisation of the issues, rather than them all
8 in one answer.

9 A. Sure.

10 MR BEAL: I notice the time is probably suitable for
11 a break.

12 THE CHAIRMAN: Which number of your 14 are we on?

13 MR BEAL: I am very reluctant to tell you that. It is still
14 quite a low number.

15 THE CHAIRMAN: All right. We will have a ten-minute break
16 now.

17 MR BEAL: Thank you.

18 (11.46 am)

19 (Short Break)

20 (11.55 am)

21 THE CHAIRMAN: Yes, Mr Beal.

22 MR BEAL: In answer to your question, sir, it is four of 14.

23 THE CHAIRMAN: Excellent.

24 MR BEAL: But some of them are shorter than others.

25 Mr Holt, can we deal with the concept now of

- 1 marginal cost versus variable cost.
- 2 A. Yes.
- 3 Q. So, as I understand it, you acknowledge that in the
- 4 theory of perfect competition at a microeconomic level,
- 5 firms will set price equal to short-run marginal cost?
- 6 A. Yes.
- 7 Q. Changes in marginal cost therefore influence the
- 8 profit-maximising pricing decisions?
- 9 A. Yes.
- 10 Q. Marginal costs are different from variable costs;
- 11 marginal costs are a subset of variable costs?
- 12 A. Yes.
- 13 Q. To the extent that you have used the two terms
- 14 synonymously, is it your case that COGS would be
- 15 a marginal cost?
- 16 A. I think while I agree that -- sorry, let me just try and
- 17 answer you. I am treating COGS as an industry-wide
- 18 variable cost. I am not saying that COGS would
- 19 necessarily be marginal costs, and I am not essentially
- 20 applying a short-run marginal cost framework.
- 21 Q. Overheads of course can be fixed or variable. That is
- 22 common ground, I think, between us?
- 23 A. Yes, or semi-fixed, yes.
- 24 Q. Yes, of course, the three categories.
- 25 A. Yes.

1 Q. But you would not, I think, treat an overhead typically
2 as being a marginal cost that goes into the marginal
3 cost short-run pricing calculus?

4 A. No. I think if there were relevant variable costs
5 within the overhead category, then that might be still
6 potentially relevant.

7 Q. Could we look, please, in {RC-J1.4/19/34}. These are
8 the 2019 Commission Guidelines. Please can we look at
9 paragraphs 158 and 159. You will see here that the
10 Commission is looking at input costs and their effect on
11 pricing decisions?

12 A. Yes.

13 Q. It says:

14 "Whether [or not a firm is] able and willing to pass
15 on the overcharge on their own customers ... depends,
16 among other factors, on the cost structure of the
17 purchasers."

18 You would accept that?

19 A. Yes.

20 Q. We then see:

21 "... it is important to determine whether the input
22 cost incurred by a purchaser facing an overcharge varies
23 with the input quantity it orders (i.e., variable input
24 cost) or not (i.e., fixed input cost). Indeed, economic
25 theory indicates that the relevant cost category for

1 short run price formation is variable costs or more
2 precisely, marginal cost ..."

3 So it is recognising there that in the short-term
4 marginal cost calculus, which is used for microeconomic
5 theory, it is marginal cost, not the wider category of
6 variable costs, that will determine price?

7 A. Correct, yes, in the theory, yes.

8 Q. In other words, the economic incentive to continue
9 producing goods will depend upon marginal revenue
10 being -- covering the marginal cost of the next
11 additional unit. That is the classic microeconomic
12 theory?

13 A. Yes.

14 Q. Could we then, please, look at {RC-J1.4/53/66}. If we
15 look, please, at paragraph 110 and paragraph 111 in the
16 RBB report. What the authors are there recognising is
17 that in terms of the pricing process, it is the impact
18 of marginal cost that will have the largest determinant
19 factor. Is that correct?

20 A. That is correct, yes. Again, in the short run and in
21 the sort of theoretical proposition.

22 Q. If we could then please turn to page 74 {RC-J1.4/53/74},
23 one sees in paragraph 139:

24 "The application of economic principles suggests it
25 is generally a firm's marginal costs that will have the

1 decisive influence on its pricing decisions, at least
2 over the short term."

3 A. Correct.

4 Q. Which I think you accept?

5 A. Yes.

6 Q. Now, a business will of course also know about its fixed
7 costs, such as its rent; correct?

8 A. It will, sorry, know about? Yes, agreed.

9 Q. But it does not, in practice, typically price by
10 reference to its fixed costs?

11 A. I would agree with that. Certainly from a theoretical
12 perspective, it would not be in line with its
13 profit-maximising incentives to price with its fixed
14 costs, at least in the short-term, yes.

15 Q. Can we then look at -- back on the screen at
16 paragraph 140.

17 It says:

18 "... consideration of overcharges affecting fixed
19 costs may also be relevant in specific situations. That
20 is clearly the case over the longer term, when firms
21 must make a decision to renew fixed assets or leave the
22 market. It [may] also be true in some situations with
23 negotiated prices ... It may be the case too where the
24 incremental costs of fulfilling a particular contract,
25 say, include additional fixed costs. Factual evidence

1 may also indicate that fixed costs have an important
2 influence on a firm's pricing decisions in practice."

3 Therefore, it says:

4 "Careful assessment of the case-specific pricing
5 context is therefore warranted to confirm the relevance
6 or otherwise of overcharges which affect fixed costs."

7 So even we are dealing with an overcharge that
8 affects purely a fixed cost, it can still become
9 relevant in a given factual situation?

10 A. Yes, I think the primary mechanism by which it would be
11 relevant would be where the change in the fixed cost has
12 some impact on the supply and demand conditions, and
13 there is a range of ways where that could happen: exit,
14 entry, more marginal decisions about investment of
15 capacity, and so on.

16 Q. The whole point of economic theory is to see how the
17 firm treats its costs and use economic theory to explain
18 the pricing behaviour, is that right?

19 A. Well, the whole point is perhaps going a little bit
20 wide, but I would agree that is a point, yes.

21 Q. Your contention is that COGS is a reasonable proxy for
22 the marginal cost of goods sold?

23 A. Yes, as an indicator for the degree of pass-on in the
24 longer run of industry-wide variable costs, yes.

25 Q. We then see, if we look in your eleventh report, please,

1 at paragraph 82 {RC-F/19/48}, you say there,
2 paragraph 82:

3 "Fixed costs are costs that do not vary with the
4 level of output. Changes in fixed costs do not affect
5 the trade-off faced by a firm because they are incurred
6 regardless of the level of output."

7 When you say "trade-off" there, you are talking
8 about the profit-maximising trade-off: increase in cost,
9 increase in revenue, compare the two, work out what you
10 are going to do; correct?

11 A. Correct.

12 Q. "As a result, changes in fixed costs do not affect the
13 profit-maximising price and will not generally be passed
14 on."

15 So that is your evidence. But, as I understand it,
16 you are also contending that in the long-run, no costs
17 are fixed and all are variable, and therefore, because
18 of the impact on market entry or exit decisions, they
19 become variable for the purposes of analysing whether
20 there has been pass-on of a cost?

21 A. There is a slightly more complicated response to that,
22 and I am sort of aware of the need for time and do not
23 want to go ... I will try and be concise.

24 I agree that in the longer term, costs that are
25 fixed over a shorter period of time can be reappraised.

1 You know, you might have a new lease on your property
2 coming up. So that is the sense in which what is fixed
3 now might still be subject to a variable consideration
4 in the longer term.

5 How that is relevant to my framework is that it is
6 not actually particularly relevant to my framework,
7 because that is a comment on what are fixed costs and
8 what might happen to them in the longer term. My
9 framework indicates that the nature of the MIFs are not
10 fixed, so I do not actually put a lot of weight on the
11 treatment of fixed costs. I am merely saying that
12 I recognise that there is a mechanism by which even
13 a fixed cost could lead to a degree of pass-on in the
14 longer run because (a) it is variable and can be
15 re-assessed and, as a result, in reassessing whether it
16 is worthwhile, you know, renewing a lease, for example,
17 that can have a supply and demand impact on the
18 economy -- or, sorry, in the market in question, and
19 that can therefore lead to a pass-on. That all.

20 Q. Could we look, please in the RBB 2016 report at
21 paragraph 458 {RC-J1.4/53/172}. Paragraph 458, we see
22 in the first bullet:

23 "Delineation between variable costs and fixed costs
24 is not always clear in practice ... need not correspond
25 to accounting convention ... Importantly, the timeframe

1 over which pricing is considered affects the categories
2 of costs that should be considered."

3 It then talks about aircraft as an example.

4 So it is right, is it not, that if you do not have
5 the right analysis of how the particular cost is
6 treated, it can lead to biased estimates of what the
7 consequences are of marginal costs, for example?

8 A. That is actually almost the opposite of the
9 interpretation I would put on this paragraph. This
10 paragraph is saying: what you really want to know for
11 pass-on is what is the underlying nature of the cost.
12 Is it fixed or is it variable? Now, in some cases, it
13 might be quite obvious. In my view, that is the
14 situation for these proceedings. In other cases, it
15 might not be obvious, it might not be marginal in quite
16 the short-term way that it is in the case of the MIFs.

17 Therefore, you might then need to carry out quite
18 a lot of work to understand where is it on the fixed to
19 variable spectrum. One route you might go to is
20 accounting information, but I think this paragraph is
21 identifying that that is a potentially risky source of
22 evidence, because what companies treat in their accounts
23 may not actually reflect the nature of the costs.

24 Q. Now, you have referred on a number of occasions to the
25 EY and Copenhagen economics study for the EU Commission.

1 I did promise we would go there so I am now fulfilling
2 my second election promise.

3 This is {RC-J4.2/141/168}. You will see here that
4 it is a section dealing with merchants' pass-through of
5 interchange fee reductions?

6 A. Yes.

7 Q. Could I ask you, please, to look at the second paragraph
8 down to the fourth paragraph and just read those to
9 yourself.

10 A. So from -- yes. Sorry, the second, starting ...

11 Q. Starting, "Since the pass-through ..."

12 A. Yes.

13 Q. Then, "We find that merchants ..."

14 (Pause)

15 A. Sorry, and through to the second last paragraph, is that
16 right?

17 Q. The paragraph that begins, "We find ..." is the last
18 paragraph I am inviting you to read.

19 A. Yes, I have gone that far.

20 Q. You will see that the authors have said, in terms, the
21 analysis does not allow to assess whether there was in
22 fact a pass-through of cost savings stemming from the
23 IFR. Do you see that?

24 A. I think that reflects the issues that we described
25 earlier around the signal to noise ratio, which

1 obviously does apply in this case as well.

2 Q. If we look, please, at page 170 {RC-J4.2/141/170}, under
3 the heading, "Collection of pass-through data", the
4 authors make the point you have just made, which is:

5 "Interchange fees constitute very small costs of
6 payment which are very difficult to measure without
7 extensive and granular cost and price data, if at all."

8 Then it says:

9 "Following the capping of interchange fees in the
10 past [and they give two examples], the direct assessment
11 of pass-through of cost savings was difficult because
12 the cost changes from capping were very small.
13 Therefore, this chapter seeks to measure the
14 pass-through of cost savings resulting from the IFR
15 indirectly by conducting a meta study."

16 So the authors of this analysis were not able, were
17 they, to conduct a meaningful regression analysis by
18 reference to the MIF overcharges -- the MIF decrease
19 itself?

20 A. Agreed. That is consistent with my view that I was
21 taking in relation to these proceedings as well.

22 Q. If we then, please, look at page 175 {RC-J4.2/141/175},
23 the authors chose to model instead a proxy cost, much as
24 you have, and what they say is:

25 "Moreover, the results for the food retail

1 sector ..."

2 So they have focused solely on the food retail
3 sector and they have dealt with cost increases in the
4 food retail sector and they say:

5 Cost increases are consistently passed through on a
6 larger scale than cost decreases."

7 That is the feathers and rockets point; correct?

8 A. Yes.

9 Q. Then it says:

10 "On average cost increases in the Member States of
11 interest are nearly fully passed through to consumers at
12 90%, whereas only 66% of cost decreases are to
13 pass-through. This is in line with literature."

14 A. Yes, the question I would have there is: well, what
15 were -- obviously this is a meta-analysis of a series of
16 other studies. Those other studies will have examined
17 a range of types of changes in costs, some upward, some
18 downward, and of various types.

19 I think the critical issue here is some studies are
20 short-term in nature, they are looking at a very
21 short-term transmission mechanism, given their modelling
22 methodology. Other studies are of a longer-term nature,
23 and to the extent that this shows some difference in
24 upward and downward effects, my view is that that is
25 more likely to be a short-term consideration.

1 Q. Can we look, please, at the bottom of page 175, the
2 final paragraph there:

3 "The reported pass-through rates for the five
4 Member States cover direct cost changes in the food
5 retail sector that we used to approximate the
6 pass-through of cost changes resulting from the IFR.
7 The change in interchange fee, however, is an indirect
8 cost change that is the change of cost payment rather
9 than of production. Since the pass-through of indirect
10 cost changes could differ from the pass-through of
11 direct cost changes, the estimated pass-through rate
12 should be applied with caution."

13 You would recognise that the same statement needs to
14 be made when you are relying on direct cost changes to
15 COGS in your analysis, would you not?

16 A. I agree that there is a question that we are having
17 a debate on as to whether the proxy is a good
18 representation -- a COGS-based proxy is a good
19 representation for the MSCs. In my view it is, because
20 it shares the characteristics, and in particular
21 because, although I acknowledge there could be some
22 channels and timing considerations that could be
23 potentially relevant in the short-term, those, in my
24 view, would not be relevant to the long-term framework
25 which is appropriate here.

1 Q. Can we look, please, at page 189 {RC-J4.2/141/189}, and
2 start looking at some of the empirical evidence they
3 were relying upon, and bearing in mind I think in your
4 report you have cited this with enthusiasm as an example
5 of qualitative evidence that you are prepared to take
6 into account, we see what the qualitative evidence
7 consisted of, and it consisted of phone interviews with
8 merchants?

9 A. Yes.

10 Q. Ten large merchants in the retail, travel and
11 accommodation sectors with activities in several EU
12 Member States ... interviews conducted over the phone in
13 the period from September to mid-November 2019. They
14 typically participated with two to three pricing
15 managers.

16 "All merchants emphasised that pricing was
17 determined as part of an interaction between competition
18 and market factors on the demand side and cost factors
19 on the supply side. The actual distribution of weights
20 given to the two sides differed significantly between
21 markets and sectors and varied over time, both in the
22 short run and the longer run.

23 It then says:

24 "The majority of merchants operated a price
25 calculation model to help them determine optimal pricing

1 from the cost side. In most calculation models, payment
2 costs were an explicit variable cost category in line
3 with many other variable costs within a main category,
4 as, for example, store costs, station service costs or
5 store expenses, and under control of the local store.
6 In a single case, it appeared as though payment costs
7 were treated as fixed cost that was not controlled at
8 local store level."

9 So that is the analysis that is coming back from the
10 ten merchants that they interviewed over that period;
11 correct?

12 A. Correct.

13 Q. We then see, please, on the next page {RC-J4.2/141/190},
14 in the second paragraph down:

15 "All merchants stressed pricing was often influenced
16 by competition and market factors rather than cost
17 factors, in particular in the short run. Their industry
18 was competitive and [they] were to a large extent a
19 price taker. As such changes in payment costs are not
20 directly influencing the prices, it could create
21 situations where cost increases, as for example the
22 removal of the right to surcharge certain card payments,
23 are taken by the merchant instead of being converted
24 into general price increases. It was often stated that
25 pricing is mostly driven by local competition but there

1 is an interaction as variable costs ... form a floor for
2 pricing that cannot be under-priced ... However,
3 merchants would not do it for longer periods to avoid
4 losing money."

5 So they would temporarily run below cost but they
6 could not do it long-term.

7 It then says:

8 "No merchant could mention an example of a specific
9 price change that was driven explicitly by a change in
10 payment costs."

11 Pausing there. That payment costs as a whole, is it
12 not, not simply the MIF?

13 A. Yes.

14 Q. "The merchants agreed that this is no surprise as
15 changes in payment costs typically are small and would
16 not be sufficiently large to release price adjustment by
17 themselves. This was a feature that was shared we many
18 other cost categories. They all stressed that the key
19 principle was that all cost categories contributed
20 proportionally to a decision to initiate price changes.
21 The price is a sum of many cost components, so payment
22 costs will have an impact - like ... other costs do."

23 So we there see, do we not, that what the firms are
24 saying in this interview that you have relied upon is
25 exactly similar to the evidence that we have

1 qualitatively in this case from the analysed claimants?

2 A. I do not think I agree with that statement. I think
3 what I take from the passage that you read out is,
4 first, that although the interviews were only of ten
5 merchants, many of them had models which took into
6 account payments.

7 Second, that they seemed to say that payments change
8 did not -- they could not think of an occasion where a
9 payments change was a trigger for a price change, but
10 I am not saying that it necessarily would be; rather
11 I am saying that it would be taken into account across
12 the range of relevant industry-wide variable costs when
13 thinking about pricing and that is what they then go on
14 to accept, that they all stress that key principle is
15 that all cost categories contribute proportionately to
16 the decision and indeed, to the extent of any decision,
17 a price is the sum of many cost components. So that
18 statement is entirely consistent with my framework.

19 Q. Could we look in your eleventh report, please, at
20 paragraph 81 {RC-F/19/48}. What you posit there,
21 referring to --

22 A. Which paragraph?

23 Q. Paragraph 81, sorry.

24 A. 81, yes.

25 Q. You say:

1 "When the variable cost of production increases ...
2 and prices remain unchanged, the profit margin ...
3 decreases. This reduction reduces the profits per ...
4 sale ... This changes the trade-off ... so that the firm
5 has an incentive to increase prices and pass-on an
6 increase in variable costs."

7 So what you are suggesting effectively is that an
8 impact on the gross margin may lead a business to
9 increase prices to try and recapture the gross margin it
10 had before. Is that what you are saying?

11 A. I think that is one way of putting it. Essentially,
12 when there is change in the cost, that change -- so
13 prior to the change in cost, you are, in the theory,
14 operating at a particular profit-maximising point where
15 you would not want to either increase or decrease
16 prices. What I am saying is that if there is then
17 a shock to the variable costs or marginal costs, then
18 the trade-off now changes because the loss associated
19 with the price rise would be some lost sales and the
20 margin that you lose, in particular, on those lost
21 sales, but if the variable cost goes up, then that
22 trade-off is different because the negative impact of
23 the lost sales goes down and therefore you are more
24 willing to raise prices and take -- essentially take the
25 margin hit on the lost sales. So that is really what

1 I am describing.

2 Q. Well, you have not anywhere analysed the fact that the
3 price increase would lead to reduced demand and
4 therefore lower profits overall in that paragraph?

5 A. Sorry, in that paragraph, it is explicitly, or perhaps
6 it is implicit -- I would have to re-read whether -- the
7 trade-off is directly as a result of the impact on
8 demand associated with the price increase. So it is not
9 correct to say the trade-off is agnostic of the impact
10 of a price increase on demand. It -- that is of course
11 the only reason why there would be a negative to a price
12 increase is because, due to demand, you might have less
13 sales if you raise prices. So I do not really agree
14 that I am somehow --

15 Q. In the real world --

16 A. -- ignoring that.

17 Q. -- a business might have a very small increase in its
18 cost and decide to absorb it, rather than face risk of
19 reduced demand?

20 A. Well, that would be inconsistent with its own
21 profit-maximising incentives, to the extent that by
22 raising price and suffering some reduction in demand it
23 would be better off than taking the margin hit in the
24 first place.

25 Q. Conversely, where there is a cost decrease, for example,

1 in your counterfactual, it may be that the business
2 would prefer to stick with its existing pricing policy,
3 rather than reduce it, because it may think, well, there
4 will not be a significant impact on demand?

5 A. Well, it would only do that if it was either in
6 a situation where the underlying pass-on rate is zero,
7 i.e., there is no profit-maximising benefit to reacting
8 to variable costs. That is a very limited set of
9 conditions which empirically, you know, does not really
10 arise in many contexts. So the statement really is
11 inconsistent with the firm's own incentive to react to
12 the change in the industry-wide variable cost.

13 Q. So the firm has to have visibility, does it not, of the
14 change in variable cost in order for it to hit the
15 trade-off?

16 A. No. Because although your focus is on -- let us say
17 there is a price reduction -- let us say there is a cost
18 reduction and our current margin is 50%. Well, if there
19 is a variable cost reduction, is that not great, now our
20 margin goes up to 60%, instead of 50? That is great.
21 That that be the best place to be. Let us stick it the
22 same price and now have a 60% margin.

23 My whole point is that firm would recognise that,
24 because the margins are greater, it is worth having more
25 sales than it previously was trying to get.

1 Now, the reason it would have more --

2 Q. That necessarily assumes, does it not, that the firm is
3 aware that its marginal costs have risen by the 10%
4 headroom that you are positing it has?

5 A. So, yes, in the sense that if it is reacting in a direct
6 way to its own financial -- sorry, profit-maximising
7 incentives, then, yes, it would apply it in that way.

8 My point though is that profit-maximisation is not
9 something I am saying is applied at each instant
10 individually by the firm, but that there is a range of
11 channels by which than can be achieved, including the
12 competitor reaction one, and that that would be the
13 consistent long-term outcome.

14 Q. But the implicit channel will not trigger the marginal
15 cost analysis that you are otherwise relying on. They
16 are different processes, are they not? Marginal cost
17 analysis is a direct pricing approach --

18 A. Yes.

19 Q. -- and what you are implying through your implicit
20 channels is, well, even if they do not have that direct
21 approach, there are still other ways in which the MIF
22 can be factored in to the overall cost analysis?

23 A. Correct. Some of them are still triggered by the change
24 in the cost because those changes in cost are taken into
25 account in other information that is monitored. Some of

1 the other channels, particularly the competitor one,
2 does not require any observation of any cost change or
3 profit change at all. It merely requires an observation
4 of the rival doing something to pricing that you then
5 need to react to in the market.

6 Q. So I think we are agreed that if the firm in fact does
7 not treat the particular cost as a marginal cost, it is
8 not going to get factored in to the sort of direct
9 marginal cost pricing analysis that we have been
10 discussing?

11 A. Well, I think that is probably -- I think that might be
12 fair, that if you can describe the pricing strategy
13 comprehensively, in the sense that the information
14 means -- well, if the proposition is a cost can be taken
15 as never relevant to the pricing strategy and, for
16 example, let us say MSCs are just never taken into
17 account in pricing strategy, then I would agree that the
18 direct pricing strategy through a change in the cost
19 taken into account would not be the channel by which it
20 would take effect in that set of circumstances. In that
21 set of circumstances, there may be other channels that
22 would apply.

23 Q. Can we look, please, in {RC-J1.4/19/35}. This is the
24 Commission Guidelines 2019, recital 161. We see there
25 that the Commission is saying it is important to see

1 whether firms supply their products or services to
2 purchasers, for instance often some components of the
3 price paid by a purchaser are not dependent on the
4 volume purchased, whether some other components are.

5 It then says the timeframe over which pricing --
6 sorry, it then says:

7 "... it is important to determine whether the price
8 components affected by the infringement are fixed costs
9 or not from the point of view of the purchaser."

10 Can you see that?

11 A. Yes.

12 Q. Then in 162, it says:

13 "The time frame over which pricing is considered
14 will affect whether costs are categorised as variable or
15 fixed."

16 It refers to general economic theory.

17 Then in the last sentence:

18 "When assessing the relevant time frame in
19 a specific case, the court may wish to consider
20 information from the party's internal documents,
21 e.g. information on the costs that firms take into
22 account in their own pricing decisions."

23 A. Yes, I agree. That could be an input in a situation
24 where, as I mentioned before, there is material
25 uncertainty as to the actual true nature of the cost in

1 question. Obviously -- in general cartel overcharge
2 cases, those might apply to a whole range of types of
3 costs and the costs in question might in some cases be
4 variable ones, in some cases fixed, in some cases
5 somewhere in between. In the cases where it is not
6 a clear-cut case, then you might need to look at a whole
7 range of information in order to help determine what is
8 the true nature of those costs. That could include
9 internal information, but, as the -- I think it was the
10 RBB report that we looked at before said, one should
11 hesitate before you attribute too much weight to that
12 accounting information.

13 Q. Well, let us just deal with it: as a general
14 proposition, COGS is going to be a significant marginal
15 cost for most firms, is that fair?

16 A. That is fair. It varies from sector to sector, but
17 generally fair.

18 Q. A general proposition, I am not going to hold you to it
19 for a specific firm. So, as a general proposition, if
20 the COGS is arguably the most important determinant of
21 pricing in the short-term?

22 A. It may be.

23 Q. You have chosen COGS as the proxy for these businesses
24 to represent the MIF overcharge in the analysis;
25 correct?

1 A. Correct.

2 Q. So you have therefore selected the most important
3 component of the pricing calculus of a direct basis to
4 stand in for an overhead cost used by the firms not to
5 determine their own prices and you say that that is
6 a reasonable proxy?

7 A. Yes, I do.

8 Q. You then apply that proxy to your regression analysis,
9 even though you recognise, I think, that there are
10 multiple assumptions that need to be made to conduct
11 a pass-on analysis using regression?

12 A. Yes, there are indeed assumptions, yes.

13 Q. So it is an inherently imprecise process, at which you
14 are going to ascertain the correlation between a very
15 significant component of price and the determination of
16 price by a standard firm?

17 A. Yes, there are uncertainties in most regression analyses
18 or even perhaps all, yes.

19 Q. I am now going to move on, please, to the issue of the
20 nature of the fixed costs, issue number 5.

21 Now, in your twelfth report, please {RC-G/17/76},
22 paragraph 213, you suggested that Dr Trento has, by
23 virtue of his classification of the MSC as an overhead,
24 treated it as a fixed cost. Is that the way you put
25 your point there?

1 A. Yes. I mean, to the extent that a substantial
2 proportion of overheads are either fixed or at least
3 semi-fixed, yes.

4 Q. Let us see what Dr Trento has in fact done. This is at
5 {RC-F/2/66}, paragraphs 9.20 to 9.23. By all means cast
6 an eye over those paragraphs. Where in those paragraphs
7 does Dr Trento say that he is transforming the MSC into
8 a fixed cost? (Pause)

9 A. Well, it does not say that here. This is talking about
10 COGS.

11 So, firstly, he says the textbook categorisation of
12 marginal versus fixed cost is where -- is relevant in
13 theory and that that might lead -- and there could be
14 a difference in relation to pass-on between COGS and
15 overheads.

16 Q. Well, these are the paragraphs you relied upon --
17 paragraph 240 of your twelfth report -- to suggest that
18 Dr Trento had treated or transformed the MSC into
19 a fixed cost. So these are the paragraphs I am taking
20 you to try and establish whether he said that.

21 A. I see. I think perhaps that reference was not the most
22 helpful reference to Dr Trento's remarks. I think what
23 he is saying here is the description of the types of
24 costs that are related to variable costs, which largely
25 can be COGS and they are taken into account in pricing,

1 I agree with you, my reference perhaps was somewhat
2 incomplete, in the sense that Dr Trento is not here
3 saying that he uses the treatment of evidence from the
4 claimants to indicate the use of overheads as a proxy.
5 Clearly that is what he is doing and essentially most of
6 but not all of --

7 Q. His analysis goes as follows, does it not: he says firms
8 in practice are treating this as an overhead cost for
9 the vast majority of cases, therefore an appropriate
10 proxy needs to be found in the overheads bucket of costs
11 and relying on COGS, which is the single most important
12 determinant of pricing, is not going to give you a good
13 parallel?

14 A. I think that is his perspective and I disagree with it
15 because he is overlooking the inherent nature of the
16 MIFs and he is not recognising in my view -- he has not
17 commented on it one way or the other, as far as I am
18 aware -- as to whether the pass-on rate that we should
19 be looking at is a short-term or long-term one. I am
20 very clear that nature of the counterfactual clearly
21 points to the importance of the long-term framework. He
22 does not seem to comment on it either way, but I think
23 that might be one reason why we have a different
24 perspective on this.

25 Q. Could we go to your twelfth report, please,

1 paragraph 217 {RC-G/17/77}. What you seem to be
2 suggesting there is that there is insufficient evidence
3 as to whether or not businesses do in fact treat MSCs as
4 an overhead cost. Is that your position?

5 A. My position is it is not helpful or informative and
6 certainly not proportionate or necessary to adopt this
7 framework of looking to see what is the pricing strategy
8 or the other documents that might relate to all the
9 different channels. So that is my main position on
10 this.

11 My position, having looked at the evidence, given
12 that it was put forward, is that it is difficult to
13 reach any definitive conclusions for a lot of these
14 cases for a number of reasons and I would be happy to
15 expand on that.

16 Q. Let us move on to the issue of fixed costs and overheads
17 as fixed costs. Your case, as I understand it, is that
18 a majority of overhead costs will be fixed, or do you
19 not go that far?

20 A. I would not necessarily go that far. I think that is
21 actually quite likely, that quite a lot of overhead
22 costs will be fixed in nature. I am perfectly happy to
23 accept that it might not be always a strict majority and
24 that it might depend a little bit on exactly how many of
25 the semi-fixed costs are fixed, but, as a broad

1 proposition, I would say that a material proportion of
2 the overhead costs are likely to be at least some part
3 fixed and that is not the case for COGS and nor is it
4 the case for the MSCs.

5 Q. Could we consider perhaps some classic examples of
6 overhead costs. Cost of physical premises, that is an
7 overhead?

8 A. Yes.

9 Q. Be it rent or purchase; correct?

10 A. Yes.

11 Q. But if in a given year, for example, more property has
12 to be taken, if, for example, you are a barristers'
13 chambers and you suddenly acquire ten new tenants, you
14 are going to have to get an annex somewhere, that would
15 be a variable cost, would it not, because it is varying
16 with the output of the chambers?

17 A. Well, I would suggest that the premises of the chambers
18 are unlikely to be variable, in the sense that they will
19 move in a proportionate way up or down by releasing, in
20 a completely flexible way, rooms within buildings,
21 depending on the precise number of matters that the
22 chambers are dealing with.

23 Q. So --

24 A. Yes, in the longer term I would agree that if you double
25 the number of barristers operating at the chambers, you

1 might need some -- you might need to deal with that in
2 terms of your overall property, but that would be
3 a longer term consideration.

4 Q. What about electricity bills, that is typically treated
5 as an overhead, is it not?

6 A. Yes.

7 Q. It has a standing charge, which no doubt would be
8 treated as a fixed component and has to be paid
9 regardless?

10 A. Yes.

11 Q. But it will have a heavy variable element, will it not?

12 A. Yes, but, again, the important distinction is how
13 variable will the usage of electricity, even for the
14 variable fee part of the electricity, be with respect to
15 the production of the output. If you have a store and
16 you are lighting the store, I agree that you might have
17 some part of the bill that says it is, you know, £1,000
18 a month and some other part of the bill which is, you
19 know, £1 per megawatt hour -- sorry, per kilowatt hour
20 seems more likely. Now, so there is a fixed and
21 variable part to the charging structure, but that does
22 not mean that there is a variable relationship between
23 the energy bill and how many bananas you are selling.

24 Q. What about a tanning salon that has sunbeds?

25 A. Okay, I think I am prepared to accept that one part of

1 the electricity used by a tanning salon will be linked
2 to the number of people having tans because obviously --

3 Q. What about a steel smelter --

4 A. -- but that is partial. That is partial. Obviously
5 there is also the general overhead of having the lights
6 on throughout operation -- the opening hours and so on.
7 It is clearly a mix in that case, where there is some
8 fixed and some variable.

9 Q. Bank charges. If a company is paying a monthly payment
10 for having an account or a quarterly payment for running
11 a business account, that is going to be fixed, is it
12 not?

13 A. Yes.

14 Q. But individual charges on individual transactions will
15 necessarily be variable?

16 A. Well, it depends on the bank's fee structure. I am not
17 commenting on the precise fee structure that a bank will
18 have. I would accept that there will be some fixed
19 charges and some charges per service. Some of the
20 charges per service will be unrelated to the production
21 output; in other words, again take the supermarket
22 example, you might have a fee structure with a bank
23 which is, you know, £100 to have the account and then,
24 you know, £5 for every bank statement that we produce.
25 That is a variable component per bank statement, but it

1 is not £5 for every 100 bananas you sell so it is not
2 linked to a variable cost in the way that I consider
3 relevant from the economic principles.

4 Q. Conversely, labour costs, for example, you have been
5 prepared to treat as variable, but there could be a very
6 fixed component of a labour cost if there is a small
7 number of people performing highly automated functions,
8 using computers?

9 A. I entirely agree that labour is probably a good example
10 of a semi-fixed cost. In some sectors it might tilt
11 a little bit more towards variable where the -- where in
12 the retail services market, for example, the more
13 consumers are using the service, the more staff
14 specifically you might need, and in other cases it might
15 tilt towards the fixed component. Obviously there will
16 be some staff which are not, in a sense,
17 production-focused and that would be a bigger fixed
18 component.

19 Q. Well, let us have a look at some cortile evidence, if we
20 may. It is {RC-G/17/95}. The details are confidential
21 so I am simply going to refer to the shop in question as
22 "shop". If we can look at figure 5.2. So this is
23 {RC-G/17/95}, figure 5.2. It should be the breakdown of
24 shop's costs. Can you see that?

25 A. Yes, I can see it. Yes.

1 Q. I think 52.15% is attributable to wages and salaries.

2 Is that fair?

3 A. Yes.

4 Q. Those would be semi-fixed costs, would they not?

5 A. Well, I mentioned that labour is likely to be tilting
6 somewhat more towards variable, where there is a close
7 relationship between the individual purchases made by
8 the consumer and the need for extra staff. That was the
9 case of the tanning salon, the hairdresser and so on,
10 where basically it is a personal service and hence the
11 labour required is, you know, really directly related,
12 I think, to the output happening.

13 In a retail environment, so Primark, it seems to me
14 it is maybe some part variable but primarily fixed
15 because you have a certain amount of opening stores, you
16 have a certain amount of required staff to manage the
17 store and to maintain the opening hours. I would
18 suggest that much of that relationship would be quite
19 fixed.

20 Q. So for the purposes of analysing the distinction within
21 a bucket of semi-variable, semi-fixed costs, you are
22 treating labour as fixed in what you have just said.
23 When we look, please, at {RC-F/19/265}, which deals with
24 your public data analysis, you are treating labour costs
25 as entirely variable, are you not?

1 A. Well, I think this goes back to my previous answer.
2 I am taking it --
3 Q. You are -- sorry, just let me finish.
4 A. Okay.
5 Q. You say:
6 "I use the Average Weekly Earnings ('AWE') ... [as]
7 the lead monthly measure of average weekly earnings ..."
8 You are using that as part of the variable stack,
9 are you not?
10 A. Well, I am, but I have explicitly described the reason
11 for that, which is that in some sectors, mainly retail
12 services which are predominantly personal services given
13 by one person to a customer, it seems that those are
14 most likely the main variable cost to take into account
15 and therefore I have gotten that evidence --
16 Q. I am sorry, I am just going to pull you up on that, if
17 I may. Admittedly we are here dealing with operation of
18 personal transport, but you are using the average weekly
19 earnings of retail, trade and repairs. So it is retail
20 trade generally that this is a proxy for; correct?
21 A. What I have tried to do here is to take for the
22 sub-sector the best available variable cost. In this
23 case there is a cost of goods sold component and
24 a variable component because this is a sub-sector that
25 I have determined to have a relevant percentage of

1 variable costs from the labour side.

2 It is in the retail services transport segment or,
3 alternatively, in some cases I have identified that for
4 personal transport where, again, you know, taxi drivers
5 and so on are doing things at a pretty personal level of
6 service. So I have tried then to find the best
7 available indicator for average weekly earnings.

8 That is not the case for my other public data where
9 it is more of a general retailing environment of
10 retailing goods. In those cases I have not used
11 a labour-based measure of variable cost.

12 Q. Do you recall saying that meaningful analysis of
13 overhead cost is essentially impossible?

14 A. Sorry, the --

15 Q. The meaningful analysis of overhead cost is essentially
16 impossible.

17 A. Yes. Was that something I said during the hot-tub?

18 Q. Well, let us put it up. It is {RC-G/17/29},
19 paragraph 53 of your twelfth report.

20 A. Yes.

21 Q. The last sentence:

22 "... this limited data means that a reliable
23 analysis of pass-on of overheads is essentially
24 impossible."

25 A. Yes.

1 Q. Now, given that you have had for the analysed claimants
2 the data that they rely on for their pricing decisions,
3 how, if you cannot work out how to deal with the MIF
4 overcharge on the basis of that overheads data, is
5 a management team, which does not have the team expert
6 as they are in regression analysis at your disposal, how
7 are they meant to deal with that particular overhead and
8 treat it as a significant pricing component?

9 A. I think it is really important to distinguish what I was
10 referring to when I said a meaningful analysis is not
11 capable of being carried out. I was specifically
12 talking about, given some of the experts have identified
13 an overhead proxy and then used the claimant data to
14 measure pass-on of the overhead proxy, that there are
15 a number of problems with that. I described them
16 extensively in the hot-tub context and section 4, is it,
17 I think, or 5 actually, I think, of my Holt 12.

18 Q. In section 5 you make criticisms of other people's
19 modelling.

20 A. Yes.

21 Q. But of course Mr Murgatroyd, Dr Trento, Ms Webster and
22 Mr Coombs have all been able to conduct some econometric
23 analysis using overheads data, have they not?

24 A. Well, my point stands. I think Ms Webster has
25 recognised that she tried and essentially not much

1 weight can be put on it because of the mix effects and
2 the aggregation effects.

3 Q. Well, you did not even try, did you?

4 A. I did not try because it was quite clear that the
5 evidence that -- of that data, in terms of the failure
6 of the data to indicate what were price changes and what
7 were general changes in overhead spend, which is the
8 aggregate point, the problem associated with the
9 downward mix effect bias when you try to have, as many
10 of the claimants do, disaggregated price data but then
11 try to pair that up with the monthly overhead
12 expenditure, and some of the other problems around the
13 lumpiness and the firm-specific nature of much of those
14 costs, and in some cases there was not really much
15 variation at all until you adopted an artificial
16 allocation mechanism.

17 Essentially, for all those reasons, I found there
18 was not --

19 Q. Can I just interject there for a moment. I just want to
20 understand a point of objection that you are taking
21 principle.

22 A. Okay.

23 Q. If, for example, a public study had used disaggregated
24 pricing data but aggregated cost data, are you saying
25 that would be intrinsically unreliable?

1 A. No, because it -- part of what I was --

2 Q. You are saying it is intrinsically unreliable for
3 Dr Trento but not for a public study?

4 A. Well, the aggregation issue is entirely different in
5 relation to the public data and the claimant data. As
6 I explained during the hot-tub, the public data does not
7 succumb to the aggregation problems because the price
8 and cost indices are specifically constructed to reflect
9 price changes. That is not the case in the claimant
10 data.

11 Q. Can I now move on to your Monte Carlo experiment.

12 A. Yes.

13 Q. This is in your twelfth report, paragraph 335
14 {RC-G/17/114}.

15 A. Mm-hmm.

16 Q. If we can pick it up, please, at the table at 118,
17 table 6.1. At the top of the table, as I understand it,
18 you are positing a fixed overhead pass-on rate of either
19 5%, 10% or 20%. Is that right?

20 A. Yes.

21 Q. If we were to assume, for example, that the pass-on
22 estimate for total overhead costs was 40%, then, as
23 I understand it, what you are saying is, because the
24 total in that case would be 40% and because the fixed
25 component is at most 20%, whatever figure you produce

1 for the variable component must be higher than 40%?

2 A. Correct.

3 Q. Because you are averaging two figures?

4 A. Yes. It is a bit more complicated than just taking
5 a straight average because it runs simulations, but
6 I broadly agree.

7 Q. I mean, the essential thrust of the point that is being
8 made here is that if you are taking a composite figure
9 of two figures and one is below 40% and you do not know
10 what the other one is, but you are aiming for 40%, in
11 order to get the composite figure of 40% you will
12 necessarily have to posit an outcome that is higher than
13 40%?

14 A. That is the logic, yes. This, by the way, is, I would
15 say, merely an illustration of the extent of the problem
16 associated with the fact that overhead costs are a mix
17 of fixed and variable costs. That is notwithstanding
18 all of the other principle and data structure problems
19 associated with the ability to measure the overhead
20 pass-on rate in the first place.

21 So this is just saying: let us leave aside all of
22 those other problems, which in my view rule out the use
23 of this for a meaningful analysis, and just get to one
24 specific issue, which is even if you could measure
25 a property at the aggregate overhead level, what is the

1 implication of the fact that you have a mix of fixed and
2 variable. That is all this is doing.

3 Q. Could we look then, please, at page 227 {RC-G/17/227}.

4 As part of your Monte Carlo analysis you have had to
5 consider whether or not fixed or variable costs would
6 vary more in order to understand the deviation. Is that
7 right?

8 A. Yes, that is right.

9 Q. Table A5.2 therefore looks at that issue. You will see
10 in the second column there standard deviation is taken
11 to be F equals 10. So the standard deviation is 10;
12 correct?

13 A. Yes.

14 Q. You then have a series of scenarios in which the
15 deviation is either above or below that standard figure;
16 correct?

17 A. Correct.

18 Q. In only three of those scenarios, as I understand it, do
19 you assume that variable costs vary more than fixed
20 costs. We are looking really for figures that are above
21 10 and there are only three. Is that fair?

22 A. I have to admit, I have not sort of looked at this in
23 quite some time. I am prepared to accept that that is
24 the case. Obviously the variation --

25 Q. Well, row 2 is 15, row 3 is 30 and then row 6 is 20.

1 Each of those figures is above the standard deviation of
2 10?

3 A. Oh, I see. Yes, sure.

4 Q. So you have assumed, have you not, that variable costs
5 must vary more than fixed costs -- sorry, the other way
6 round.

7 A. No.

8 Q. You have assumed that fixed costs vary more than
9 variable costs because you are plotting for simulations
10 that carry that assumption?

11 A. I entirely agree that the assumptions drive the results
12 in this particular analysis and really all it does is
13 illustrate that if there is a difference in the
14 effective pass-on between fixed and variable overheads
15 and you are measuring them jointly, then once you make
16 some other assumptions to unpick exactly how big of an
17 effect that is, this gives an illustration of that
18 effect.

19 Now, obviously you then have to select some
20 particular parameters with which to populate the model.
21 I have just selected some here that seemed like would be
22 reasonable and interesting to look at.

23 Q. Well, in the third row up from the bottom there is
24 a reference to 1. Can you see that?

25 A. Yes.

1 Q. What that means is that effectively fixed costs vary ten
2 times more than variable costs on that assumption?

3 A. Yes, in that case.

4 Q. It produces a true variance from the weighted average
5 total pass-on that is 0.06%?

6 A. Yes.

7 Q. Conversely, if you look at row 3, your standard
8 deviation is 30, which implies that variable costs vary
9 by a factor of 3 more than fixed costs, and that
10 produces a deviation that is only 0.91, so it is much
11 closer to what you would describe as the true result
12 statistically that ought to be obtained?

13 A. Yes.

14 Q. Correct?

15 A. Yes.

16 Q. So it is necessarily implicit in this assumption -- in
17 this model that you are assuming that fixed costs vary
18 substantially more than variable costs, otherwise it is
19 somewhat meaningless?

20 A. I think that is fair. I said at the outset this is
21 really just to illustrate how significant the issue of
22 variation in fixed versus variable costs could be if
23 they have different relationships to prices, which
24 I think is reasonable. It is entirely consistent with
25 the economic principles.

1 Now --

2 Q. So you generally believe that fixed costs do vary more
3 than variable costs?

4 A. Well, it depends on the structure of the data. If you
5 are normalising the overheads by something like sales
6 share or some other thing that is not actually
7 necessarily particularly important, then that could be
8 the case. I think normally I have identified in
9 relation to some of the claimant evidence the actual
10 level of variation in the overheads, given that it is on
11 a quite aggregated basis and quite a lot of it is fixed,
12 may not be all that variable and that might be
13 a challenge for an analysis trying to understand the
14 impact of that variation on prices.

15 Q. You would need to understand variation over time, would
16 you not?

17 A. Yes. I think all of these assumptions are essentially
18 an assessment of the standard deviation or a measure of
19 variance of these indices over a period of time.

20 Q. Well, there is no time series variation in your
21 simulation, is there?

22 A. Well, you can construct from the parameters that you
23 identify a time series through the Monte Carlo
24 simulation than selecting from the distribution that you
25 identify a particular value. So you essentially

1 construct a simulated time series from the parameters,
2 yes.

3 Q. You have only done a modelling exercise in levels, not
4 in logs, that is fair?

5 A. Overall my analysis has focused on logs and levels.

6 I have moved to the focus on logs overall to be
7 consistent with the other experts who have primarily
8 emphasised logs in terms of the pass-on analysis.

9 Q. Here is levels?

10 A. Here it may well just be levels. Again -- I am just
11 trying to be frank here -- not a lot rides on this. It
12 is really to illustrate one simple point, which is that
13 if there is an impact -- if the aggregation of the
14 overheads includes both fixed and variable costs, then
15 that can lead to an underestimate, in some cases, of the
16 variable part of the pass-on because you are only
17 measuring the things together. That is all I am really
18 saying. This assumes that all the other problems with
19 the measurement, such as the unit of aggregation bias
20 and the mix effects do not even apply.

21 Q. Dr Trento has modelled for COGS, has he not, so his
22 primary case is this is the proxy overheads but he has
23 nonetheless conducted modelling for COGS; correct?

24 A. Yes, I think that is fair.

25 Q. You have not done the reverse here by modelling for

1 overheads, notwithstanding your primary case is for
2 COGS?

3 A. That is correct.

4 Q. You have also criticised the availability of the
5 datasets. You say they are not sufficiently long in
6 length in terms of time for that to produce reliable
7 results. How do you know about reliability if you have
8 not modelled for them?

9 A. Because I have examined the analysis of the other
10 experts who have relied on overheads proxies and
11 identified that there are a whole range of issues,
12 including those that I described earlier, and, again,
13 I can go into them in more detail, but I will assume
14 that my point is made already on that, and especially
15 considering that some of the datasets are only of around
16 six years -- some are up to ten, some are as low as two.
17 Some of the analysis is -- I do not think that it is
18 credible to identify pass-on of overheads, which include
19 a large component or a significant component of fixed
20 costs, with a dataset that is that short, but, in
21 general, my main concern is not merely that the dataset
22 was too short and if only it was 12 or 15 years
23 everything would have been fine, the data structure just
24 would not have been capable of doing that meaningfully,
25 even if there was a longer data set.

1 Q. Now, you have posited a two-year period as a long-run
2 period as a rule of thumb for your empirical analysis of
3 studies; correct, when classifying them? You divided it
4 into short-run, medium-term and long-run?

5 A. Yes.

6 Q. I think the lower -- the outer reach of the -- the start
7 of the long-run period was a two-year period?

8 A. I think that is fair in relation to the existing studies
9 because I wanted to understand what the studies were
10 actually pertaining to, short or long-run, but sometimes
11 they did not sort of use that terminology and I had to
12 make a view. In general, I sort of used all of it, even
13 if it was short-run, which might be conservative.

14 Q. So on that proxy if we have five -- ten years worth of
15 data, you have five times the length of data, you would
16 need to get to the long-run analysis that you were
17 after?

18 A. So I agree that if you had ten years of data and you
19 were saying that the pass-on rate would happen over
20 a two-year timeframe, then clearly you would need
21 significantly more than the two years of data in order
22 to look at it. The more, the better. The longer the
23 pass-on mechanism, the more concerning the dataset is
24 because you are using up a lot of the potential data
25 before you even get to the first pass-on. So if it is

1 two years and you have a ten-year data point -- data
2 structure, then obviously years 1 and 2 do not tell you
3 really anything about the long-run rate and then year 3
4 it starts in relation to year 1 and so on.

5 So the impact of the transmission mechanism is to
6 somewhat loosen -- sorry, reduce the effective
7 observations that you have in order to make an
8 assessment.

9 Q. Now, in your eleventh report, and I am moving on now to
10 deal with qualitative evidence, paragraph 19,
11 {RC-F/19/28}, we see there likely range of pass-on rates
12 is ultimately an empirical one.

13 A. Yes.

14 Q. You still accept that?

15 A. Yes, yes.

16 Q. But you have not taken into account, have you, to any
17 extent really, how a firm treats its own costs as being
18 a relevant factor?

19 A. I think that is fair. I have identified that in the
20 longer run I focus more on the economic principles as to
21 what the underlying incentives would be, as well as the
22 facts in relation to the nature of the MIFs, yes.

23 Q. If we go, please, to {RC-G/17/22}, in your twelfth
24 report, at paragraph 20, you describe how merchants
25 treat their own costs in the real world as being

1 uninformative. Do you stand by that?

2 A. For the purpose of the assessment of pass-on related to
3 these proceedings, which requires, in my view,
4 a long-run perspective, yes.

5 Q. So you think economic theory should prevail over
6 whatever happens in the real world?

7 A. No. What I am saying is that the economic principles
8 that are, in my view, very clear in relation to the
9 industry-wide and variable nature of the MIFs and that,
10 combined with the fact that we are focusing on the
11 long-term, means that the implications of the small
12 nature of the costs or the precise pricing treatment
13 would, in my view, not be informative as to that
14 long-run assessment because it is perhaps more likely to
15 be relevant in the short-term but unlikely to be
16 relevant in long-term because it would require
17 a persistent deviation of a firm from where it would be
18 if it was trying to maximise its profits and,
19 furthermore, a persistent deviation of the whole sector
20 from where competition would be driving that sector.

21 Q. Can we look, please, at page 63 of this report,
22 paragraph 181. You there suggest that the subjective
23 treatment of the MSCs by the analysed claimants is not
24 something that other experts should have concerned
25 themselves with. Are you suggesting, for example, that

1 an economist knows a business's commercial decisions
2 better than the business?

3 A. No.

4 MR BEAL: That is probably a convenient moment, sir, to take
5 the bails off, if not pull the stumps off.

6 THE CHAIRMAN: I think Professor Waterson has a question.

7 PROFESSOR WATERSON: Yes. We have been talking a lot about
8 proxy costs and you are very firmly on the lines of
9 variable costs as being appropriate.

10 A. Yes.

11 PROFESSOR WATERSON: I want to ask you something in
12 connection with this, which relates to something
13 Ms Webster said in the hot-tub. This is in the
14 transcript for Day 5 on page 102 {Day5/102:1}, if we can
15 bring that up, please. So she says:

16 "If it is the case that the merchants treated the
17 MSC as a variable costs for price setting, then my
18 position is similar to Mr Holt's ..."

19 Then, further down, if we go to the next bit of
20 the -- sorry, I am having a bit of difficulty finding --

21 A. I sort of remember what she was saying. She moved on to
22 what if it is not treated as a variable cost by the
23 business, would the small size of it be relevant in that
24 context if it is fixed? Is that right? Is that what
25 you are getting at?

1 PROFESSOR WATERSON: Let me see if I can find it myself in
2 the transcript. I did make a note of it. Apologies.

3 (Pause)

4 Yes, she says, line 10 {Day5/102:10}:

5 "I would add one thing to the criteria that Mr Holt
6 set out, which is I think it would be important that the
7 cost that is used as a proxy is sufficiently big such
8 that a change in that cost -- the effect that that would
9 then have on prices can actually be measured
10 econometrically, and I do not think that is an issue of
11 taking the measurement of the pass-on of a big cost in
12 its variable cost world and then applying it to the MSC,
13 because economic theory would tell me that I would
14 expect a small variable cost change to be passed on in
15 just the same way as I would for a larger variable cost
16 change."

17 A. Yes. I agree entirely with that.

18 PROFESSOR WATERSON: You agree with that?

19 A. Yes.

20 PROFESSOR WATERSON: So she is focusing there on economic
21 theory as telling her that.

22 A. Yes.

23 PROFESSOR WATERSON: Is it definite from empirical evidence
24 that that would be the case, or is it just coming from
25 economic theory, that assumption?

1 A. That a difficult one to answer. I think what is clear
2 is that where empirical evidence examines industry-wide
3 variable costs, then the evidence suggests that it is
4 often a high rate of pass-on but that there is some
5 variation and it can vary from sector to sector.

6 Now, all of those studies, you might say, look at
7 a range of different costs and the size of them might
8 vary and, yet, there is not any evidence, as far as I am
9 aware, that the size of the costs has had an impact on
10 the rate at which the pass-on of the study has
11 identified the analysis. In other words, within the set
12 of empirical analysis that has been capable of
13 identifying an effect, size does not have any clear
14 impact on the rate of pass-on, which is consistent with
15 the economic principles.

16 I would accept, though, that there is a signal to
17 noise issue, which is that the empirical evidence, in
18 a sense, by definition, cannot make observations from an
19 empirical standpoint on cost size changes that fall
20 below the signal to noise ratio requirement to get
21 a sensible study done.

22 So you could say that, well, for all of the range of
23 costs sizes that have been assessed in the literature
24 that already does suggest no real effect because
25 although there are some variation and that could reflect

1 the different sectors, but basically it is showing
2 fairly high pass-on of industry-wide variable costs
3 under a wide range of contexts, including the size of
4 the effect being looked at, but I would accept that the
5 small cost aspect, along the whole spectrum of size, the
6 evidence cannot tell you empirically that because of the
7 problem with the variability.

8 PROFESSOR WATERSON: Did you try using proxies of different
9 sizes in your analysis?

10 A. Well, the proxies are of different sizes in all of my
11 analysis because each of the public domain analyses of
12 subsectors relates on a price to a cost index and each
13 of those has a different varying proportion of the
14 overall price. So there is variation in that context.

15 Similarly, for the claimant data, when you look
16 across the claimants, the relevant measures of COGS
17 would account for higher or lower percentages of the
18 cost, i.e., the gross margin, for the different
19 claimant. So, yes, there is variation in that regard as
20 well. But that is all cross-sectional variation to be
21 fair; that is not saying the analysis of the same
22 claimant with different sizes of variable cost can show
23 that it is necessarily the same or different levels of
24 pass-on.

25 The main problem in that respect is that, after

1 COGS, some of the potential other proxies that I might
2 have been interested in looking at -- for example,
3 I mentioned for one of the organisations customer
4 acquisition costs or customer commissions to third
5 parties who had referred the customer -- might well have
6 shared a number of the relevant characteristics with the
7 MIFs and I would have been interested in those, but the
8 problem was either they did not have a sufficient size
9 to meet the signal to noise ratio or in many cases for
10 the claimants the data structure did not enable it. So
11 those costs were captured in the overall overhead,
12 rather than separately split out.

13 PROFESSOR WATERSON: Thank you.

14 A. Thank you.

15 THE CHAIRMAN: I think we had better give you a full hour so
16 we will resume at 2.05.

17 THE WITNESS: Thank you.

18 (1.08 pm)

19 (The luncheon adjournment)

20 (2.08 pm)

21 THE CHAIRMAN: Good afternoon.

22 MR BEAL: Mr Holt, we are dealing with qualitative evidence
23 and the role it plays.

24 A. Yes.

25 Q. You would accept, for example, would you not, that

1 qualitatively, the evidence may show that management
2 might not take into account a very small cost?

3 A. I think that is fair. I think some of the evidence
4 suggests that might be how they react, yes, in some
5 cases.

6 Q. From an economic perspective, that may be an entirely
7 rational strategy, because the cost of chasing down
8 every penny might be disproportionate to the benefit to
9 be obtained?

10 A. That is fair.

11 Q. You are familiar with the expression "penny wise, pound
12 foolish", which probably encapsulates that?

13 A. Perhaps, yes. I am not quite sure I understand the term
14 quite well enough to comment.

15 Q. Can we look, please, at {RC-J1.4/19/29}. This is,
16 again, in the Commission Guidelines.

17 THE CHAIRMAN: I do not know whether the transcript has
18 stopped? Oh, okay.

19 MR BEAL: That is the right page. Thank you. 123, starting
20 right at the top of the page.

21 If we look, please, in recital 123. The
22 European Commission Guidelines recognise that it may not
23 always be possible to estimate the passing on of a
24 specific charge. Therefore, if such information is not
25 available, the court may look at the development of

1 other components of the purchaser's marginal cost and
2 analyse how they have -- how those changes affect
3 downstream prices. So that is reflecting the proxy
4 standard, is it not?

5 A. It is.

6 Q. Could you then please read 124 through to 127. (Pause)

7 A. Yes.

8 Q. So the European Commission is recognising, see 126, that
9 especially in the context of where the component in
10 question, the charge that you are interested in is very
11 small and the proxy is much bigger, then actually it is
12 advisable to take into account the qualitative evidence
13 as to how the firm deals with the smaller cost in
14 question. Can you see that?

15 A. Yes, and I can see that above it says that might be
16 a factor in relation to the level of pass-on at least in
17 the short-term; in other words -- or particularly in the
18 short-term. That seems to be a particularly relevant
19 factor in the short-term. In my view, it is less
20 important in the context of these proceedings in
21 a longer term assessment.

22 Q. Now, you have repeatedly referred to, indeed you have
23 referred to them today as a small self-selected sample,
24 being the SSH Claimants who are the analysed claimants
25 in this case. But you would accept, I think, would you

1 not, that those claimants -- the selection process
2 involves selecting the largest volume of the claim and
3 the largest number of claimants in a manageable group?

4 A. Sorry, the selection process involves selecting the
5 largest ...

6 Q. I am not going to take up time going through the
7 procedural history of the --

8 A. (Overspeaking) Okay, yes.

9 Q. -- matter for you as an expert. I am simply asking you
10 to agree in principle that the way that the selection
11 process worked was that in fact, in terms of the SSH
12 Claimants, the ones that ended up being selected were
13 derived from: do they have the largest claims --

14 A. Yes.

15 Q. -- in value terms, and: do they represent a majority of
16 the claimant entities?

17 A. Those may well have been factors. Obviously they also,
18 I think, needed to be willing to put forward evidence,
19 whether it be data or, alternatively, qualitative
20 evidence, yes.

21 Q. Yes. So there were two stages: selection on that basis,
22 and then do they have decent data? If they did not have
23 decent data, then you went to the next substitute;
24 correct?

25 A. That is broadly correct, that is right.

1 Q. So you would accept, would you not, that at the very
2 least the analysed claimants are representative of the
3 SSH claim?

4 A. No, I do not quite accept that. Because, again, if the
5 first stage was the carrying forward of those who were
6 willing to provide evidence, and that was
7 a consideration, thinking about data and qualitative
8 evidence, then the second stage is applied on a subset
9 of the SSH and not necessarily representative.

10 Q. The way it worked was Mr Moser went away and said: here
11 are the ten largest claimant groups by claim value, and
12 that is the list he came back with and gave to the
13 Tribunal in January this year; correct?

14 A. I cannot recall. That may well be correct.

15 Q. Now, in your second report -- sorry, your twelfth
16 report, paragraph 207 {RC-G/17/72}, you imply that
17 Hilton will not be representative of the hotel sector.

18 A. I think -- yes.

19 Q. You did not imply that, or you did imply that?

20 A. I am not implying it in relation to whether Hilton data,
21 given that we only have information for one hotel, is
22 any better or worse than data to measure pass-on for any
23 other hotel. What I am implying in this paragraph is
24 that to the extent that it is further indicated that the
25 Hilton qualitative evidence and treatment of MSCs can be

1 taken as relevant to and essentially equal to that for
2 all other hotels, then I did not agree with that.
3 Because there was a range of circumstances amongst the
4 hotel or the broader accommodation sector, and it seems
5 to me that, given the idiosyncratic nature of some of
6 these pricing and budgeting decisions, that those
7 factors could be quite different across different
8 segments of the hotel group.

9 Q. Yet when we come to look at the question of surcharging
10 in due course, you have alighted upon the
11 claimant-specific data, have you not, as being
12 representative of the surcharging proxy?

13 A. No, I do not think that is correct. I think I have
14 accepted that the surcharging evidence is
15 a claimant-specific issue, and that it would be unwise
16 to assume that, simply because we have evidence that one
17 firm has surcharged, that it necessarily means that
18 everybody has surcharged.

19 What I have explicitly said, rather, is that the
20 evidence on surcharging needs to come from the
21 claimants, because that is a particular version of the
22 pass-on element, and the general pass-on for the
23 sectoral analysis is essentially applying to all
24 non-surcharged MIFs.

25 Q. Please could we look at page 19 of this report, this

1 twelfth report, paragraph 9 {RC-G/17/19}. I think what
2 you are saying there is that the evidence from the
3 analysed claimants could not necessarily be extrapolated
4 to other claimants. Is that right?

5 A. Paragraph 9?

6 Q. Yes. It says:

7 "The evidence is unlikely to be informative for
8 a long-term assessment of pass-on and, even if it was
9 relevant, could not be extrapolated to the other
10 claimants."

11 A. Oh, yes, that is right, yes.

12 Q. Is there any reason why a very large business in
13 a sub-sector would not treat costs in a similar way to
14 any other business in the same sub-sector?

15 A. In my view, the issues that the qualitative evidence
16 addresses, which are pricing treatment and approaches to
17 other aspects of how the business operates, are (a)
18 somewhat difficult to interpret, given the incomplete
19 nature of the evidence. But, even if that were not the
20 case, it is not something that I could see as being
21 readily applicable from one firm to another in a sector,
22 because a lot of these policy issues, or precise way in
23 which things are dealt with, seem to be idiosyncratic
24 and subject to the particular views of the management of
25 the day, and may even vary over time within a firm, let

1 alone across firms.

2 Q. Please could we then look at page 95 in this report
3 {RC-G/17/95} and footnote 439 at the bottom of the page.
4 I will not mention the name, but you have plotted data
5 results from a particular shop.

6 A. Yes.

7 Q. Because they are the claimant with the largest
8 outstanding claim value:

9 " [You] have reviewed the data for the other
10 claimants and in [your] view the split for [shop] is
11 reasonably representative for claimants that include
12 wages and overheads."

13 A. Yes, but I think this demonstrates my point. Just as
14 I said it is reasonable to extrapolate from firms within
15 a sector in terms of the empirical assessment of the
16 pass-on rate to the rest of the sector, because that is
17 based on objective underlying criteria around supply and
18 demand conditions, I also think it is reasonable to form
19 a view as to the broad structure of what sort of costs,
20 in terms of fixed and variable costs, there might be
21 across firms; although I would not take that too far,
22 I think there would probably be some discrepancy in that
23 regard.

24 But, again, these figures which you have taken me to
25 are, to some extent, objective cost figures for a firm.

1 By objective, I mean they are based on actual
2 expenditures. The thing that I am disagreeing with is
3 that one can, in the same way, extrapolate from one firm
4 to a sector based on the subjective description of
5 different approaches that are adopted by firms. That is
6 the distinction.

7 Q. So in terms of extrapolation bad, it is subjectivity;
8 and extrapolation fine, it is objectivity?

9 A. I think that actually is a fair way of encapsulating it.
10 I can see the case for extrapolating something where it
11 is representing some objective underlying
12 characteristics which are likely to be similar across
13 firms within a sector, but I see less case for
14 extrapolation where the issue being extrapolated is much
15 more subjective and idiosyncratic in nature.

16 Q. So if, for example, there is objective evidence as to
17 the adoption of a particular pricing strategy in
18 a particular sub-sector of industry, then you would have
19 no particular problem with extrapolation on that basis?

20 A. No, I think the objective evidence relates to
21 a subjective process and that is the issue.

22 Q. Now --

23 A. The -- sorry.

24 Q. Could we look in your eleventh report, please, at
25 paragraph 150 {RC-F/19/66}.

- 1 A. Sorry, which paragraph, please?
- 2 Q. 150.
- 3 A. 150, yes.
- 4 Q. You say here:
- 5 "I can see why the categorisation of costs may be
- 6 relevant in some circumstances if one were interested in
- 7 claimant-specific short-term pass-on rates."
- 8 You then give an example.
- 9 A. Yes.
- 10 Q. In that example, you say in those circumstances, changes
- 11 in the MSCs could not affect prices and pass-on would be
- 12 zero; correct?
- 13 A. Yes.
- 14 Q. So you are recognising that it is at least possible to
- 15 have a situation where, if certain parameters are met,
- 16 pass-on would be zero, on your evidence?
- 17 A. Yes. I think my test is not certainty, i.e., 0% chance
- 18 versus 100% chance. My assessment is what is the most
- 19 likely empirically valid rate of pass-on to take for
- 20 a sector, given the evidence.
- 21 Q. Let us look at some of those criteria that you then use.
- 22 The first is the firm in question is engaging in
- 23 cost-plus pricing by reference to wholesale fuel costs
- 24 only, i.e., they have a specific pricing strategy which
- 25 necessarily excludes any inclusion of the MSC in the

1 price?

2 A. Correct.

3 Q. So if, for example, one were to look at some of the
4 evidence in this case, and a particular firm had, say,
5 a pricing strategy where it had a mark-up by reference
6 to a third party's licensing fees, that would fall
7 within that criterion, would it not?

8 A. Yes, yes, I think so. I mean, these are cumulative
9 conditions, yes, sure.

10 Q. Coming on to the second one now. The second one is you
11 say that the firm in question always followed through
12 with that strategy independently of competitors' prices.

13 A. Yes.

14 Q. Now, that is essentially a criterion you set in order to
15 reflect your implicit channel of pass-on through --
16 following competitors' prices; correct?

17 A. Correct.

18 Q. Now, if that implicit channel either is not a reliable
19 way of estimating pass-on -- well, let us deal with this
20 in stages. If that implicit channel is not a sensible
21 way of saying a price is passed on -- a cost is passed
22 on to price, then that criterion falls away, does it
23 not? That is the first stage?

24 A. I think you are saying ...

25 Q. If it is not a good point --

1 A. If it is not good point, then I guess it falls away.

2 I mean, yes, that must follow, I guess.

3 Q. In terms of whether it is a good point, can you think of
4 any business in the modern real world who will not look
5 at a competitor's prices at some point?

6 A. I think it is likely that most do, and that is part of
7 my point as to why, in the long run, the incentives will
8 hold.

9 Q. Coming back to the merits of whether or not it is a good
10 point. Imagine, for example, that M&S studies prices
11 for the sale of caterpillar cakes at Aldi.

12 A. Yes.

13 Q. In your world, M&S would have passed on the 0.2% charge
14 for debit card transactions on caterpillar cakes if it
15 looked at Aldi's prices; is that correct?

16 A. I think that is a somewhat oversimplification. What
17 I am saying is that if Aldi, in this case, had reacted,
18 either consciously through a direct channel or through
19 an indirect channel, and made a price change that
20 reflected the change in its incentives, such as
21 having -- say there is a reduction in MSCs -- having
22 more discounts on some products in order to bring more
23 people into the store, and in that case if M&S had
24 reacted, had sort of monitored Aldi's prices and reacted
25 to that, then that would be a mechanism by which the

1 underlying incentives facing M&S would be put into
2 practice through the route of competitor reactions.

3 Q. When I say to you: where is the evidence that Aldi
4 passed on its own 0.2% debit card charge for its
5 caterpillar cake, you would say: well, it must be
6 monitoring M&S prices for those cakes?

7 A. No, I do not rely on that. Essentially the logic holds,
8 irrespective of the channel that Aldi was adopting to
9 monitor these costs and how it put its own price
10 effect -- sorry, its prices into effect. So either it
11 was through the direct channel, i.e., it, unlike M&S,
12 did take into account MSCs, over a certain period of
13 time at least, alongside other costs in its pricing
14 strategy, or it did so indirectly because of the gross
15 margin target update, or your proposition could hold as
16 well, that it was monitoring other prices as well, but
17 maybe one of the other firms might have changed prices.

18 Q. If the logic holds good regardless of whether or not
19 a particular firm is following another particular firm's
20 prices, then you do not need this criterion at all, do
21 you?

22 A. No, I do, because in the -- the contrast is that in my
23 example, Aldi does not need to be adopting this
24 particular competitive reaction strategy in order to
25 have acted on its incentives. My framework is

1 addressing in this example M&S, who, under the
2 proposition being put, does not take it into account in
3 its pricing strategy, and what I am saying is --

4 Q. Sorry to interrupt, but why can you not just say M&S is
5 acting on its own incentives, just like Aldi is, and
6 that is the end of it?

7 A. Well, M&S would be acting on its incentives if you
8 captured the need to price competitively in the market,
9 I would agree with that, and that is one of the reasons
10 why I say firms acting on their incentives will lead to
11 those underlying incentives being replicated, i.e., if
12 there is an incentive for a price reduction then that
13 will take place. Now, the exact timeframe may be
14 subject to some discussion, but in the longer term that
15 is what I would expect to happen. There are a number of
16 channels through which it might happen.

17 Q. The third criterion is that they treat MSCs as an
18 overhead cost. Do you see that?

19 A. Yes. The third and the fourth are together, so, yes.

20 Q. Well, let us just deal with this one by one. You must
21 therefore recognise that it is relevant to consider
22 whether merchants treat the MSC as an overhead cost?

23 A. What I am identifying here is the set of cumulative
24 conditions which would have to hold for the underlying
25 incentives to fail. Essentially, conditions 1, 2, 3 and

1 4 would all have to hold essentially at the same time in
2 order for the mechanisms that I have identified to
3 reflect the underlying incentives to not have the scope
4 to do that.

5 Q. Could we dip, please, briefly, into your twelfth report
6 {RC-G/17/91}, page 274, subparagraph (a). You say here:

7 "One approach might be to analyse the relationship
8 between prices and the absolute level of overheads.
9 This sort of analysis measures the pass-on of an
10 increase in aggregate overheads ... For example, this
11 approach is taken by Ms Webster in her analysis of
12 Allianz and by Dr Trento in his analysis of
13 'non-normalised' overheads. This approach is
14 unsatisfactory because aggregate spend on overcharge --
15 overheads -- can change for reasons would not be
16 expected to lead to price changes."

17 You then say -- so you are giving an example of
18 a situation where a change in overheads or an aggregate
19 spent on overheads will not lead to a change in prices.
20 You say:

21 "For example, if a business is growing, then certain
22 costs recovered in overhead will tend to increase ..."

23 You then give us two examples. Firstly, the
24 retailer may need to employ more staff or, secondly,
25 incur more card costs?

1 A. Yes.

2 Q. So you are recognising there, are you not, that that
3 incurrence of greater card cost as a result of growth
4 would not necessarily lead through to -- it would be a
5 change in the overhead, but it would not necessarily be
6 expected to lead to price changes?

7 A. Well, I agree, because obviously the pre-condition here
8 is that the business is growing, so the very same -- let
9 us say the MIF -- let us say the MSC was 1%. If it was
10 1% and you doubled your sales, then obviously your
11 absolute amount of card payments would go up by a factor
12 of 2. But would that put any upward pressure on your
13 pricing? My answer is no, because the per unit price
14 for all the sales is still the 1%.

15 Q. Coming back, please, to the fourth criterion in your
16 eleventh report, which is going to be {RC-F/19/66},
17 paragraph 150, the fourth Roman numeral.

18 A. Yes.

19 Q. You say that they must never adjust the target margin.

20 A. Yes.

21 Q. But surely the issue must be whether they -- not whether
22 they adjust the target margin, but whether they adjust
23 the target margin by reasons of the presence or absence
24 of the MIF?

25 A. That they never -- I would broadly agree with the

1 exception that adjusted target margin to take into
2 account changes in a cost set that includes the MSCs.

3 Q. Imagine for the sake of argument all of your first three
4 criteria are met.

5 A. Yes.

6 Q. The only reason for changing an EBITDA target margin was
7 because of the government's mini budget in
8 September 2022 leading to inflationary pressures on the
9 economy. That has an extreme impact on investor
10 confidence, and firms then build in that investor
11 confidence issue as a reason to change its target? That
12 would be entirely unconnected with the MSC, but you are
13 saying, on that basis alone, you could not satisfy this
14 fourth criterion?

15 A. I think you are correct, actually. I think maybe
16 a slightly more accurate way of describing this
17 condition would be that it would not adjust the target
18 margin element of the pricing formula in relation to any
19 changes in the underlying profitability benchmarks that
20 it would apply. In other words, you are absolutely
21 correct, if it selectively adjusted the target margins
22 only because it saw some reasons for changing the --
23 sorry, if it saw some changes in the underlying
24 profitability, but only made an adjustment for a subset
25 of the changes and not all of it, and the bit that it

1 made the change was not the MSC, and the bit that it did
2 not reflect was the MSC, then I think counsel's position
3 is correct.

4 That was perhaps a confusing statement.

5 I think just to try, then, and have another go at
6 helping the Tribunal understand what I meant. If the
7 target margin is being adjusted due to changes in
8 profitability, my proposition is that the firm cares
9 about profitability overall and all the drivers of
10 profitability. It does not care more about £1 if there
11 is a cost increase due to a National Insurance change
12 but not care about £1 if it is due to an MSC change.
13 There is no particular reason why a firm would look at
14 the totality of the reasons for the change in
15 profitability but then say: oh, actually, let us adjust
16 in relation to those ones but not those ones.

17 Q. Can I just ask you about my specific point. A firm is
18 not going to care any more about £1 that is a cost that
19 is attributable to an industry-wide cost as opposed to
20 a firm-specific cost either, is it?

21 A. Well, I disagree with that, because -- sorry, let me
22 answer in two parts.

23 I agree that a pound is a pound and it will care to
24 an equivalent amount about the pound, but I disagree
25 that it will not react in a different way, because in

1 one case there is a sensible reaction to deal with that,
2 i.e., if it is an industry-wide one, then you take into
3 account that any price change you make will be
4 consistent with what the underlying market conditions
5 are. Whereas if it is firm-specific worsening of your
6 profitability by the same £1, it will be, I fully
7 appreciate, equally annoying, and you would rather not
8 have it, but the point I am making is that you are sort
9 of stuck with that and you cannot really do much about
10 it, whereas you can do something about it with the
11 industry-wide cost, because the underlying trade-off
12 will reflect what is happening also to other firms.

13 Q. Your final sentence at paragraph 150 is worded in a way
14 that I have already broached with you as seeming, at
15 face value, to change -- to seek to change the burden of
16 proof.

17 So what you are saying here is that changes in the
18 MSCs could not, on this analysis, then affect prices and
19 pass-on would be zero. So what you say is:

20 "... a pricing strategy that seems highly unlikely
21 even in the short term as it is not aligned with the
22 pricing strategies employed by any of the willing
23 claimants - then changes in MSCs could not affect prices
24 ..."

25 So are you somehow suggesting that the onus is on

1 the claimants to show that MSCs could not affect prices?

2 A. No. What I am saying here is that given the great
3 difficulty in interpreting the qualitative evidence of
4 this nature, in part because of the limited scope of it,
5 and in part because, even if you had a lot of it, it
6 would still be very difficult to disassemble and to rule
7 out or to even have a view on exactly what the precise
8 mechanisms were regarding the competitive reaction part
9 of it, because you will not have their information at
10 the very least. So given all that, my -- and,
11 furthermore, given that items (i) through (iv), which
12 need to be cumulative for there to be no pass-on, and to
13 not act on the incentives, seems highly unlikely that
14 they all apply at the same time.

15 Therefore, this is consistent with my perspective,
16 which is one must instead look at the underlying nature
17 of the costs and, particularly in the context of the
18 long-term framework, recognise that if there are
19 incentives due to industry-wide variable costs going up
20 or down, that even if there are some short-term
21 treatment or cost size factors, that that would not
22 affect the long-term outcomes because of the combination
23 of the incentives and the competition in the market.

24 So I am actually saying, for all these reasons, the
25 approach of trying to investigate the limited amount of

1 qualitative evidence that we have does not really get
2 you to where you need to be as to what is the most
3 relevant long-term proxy.

4 Q. Can I look, please, at the seventh of my 14 points,
5 which is partly pricing strategy and partly channels,
6 but I feel we have been up hill and down dale on
7 implicit channels and I do not need to revisit that;
8 I would like to look briefly at the pricing policies.

9 Could you look, please, at {RC-F/4/32}. This is
10 part of the LEK/Mr Economides' sector report. You will
11 see here that he has identified characteristics of the
12 analysed sectors.

13 A. Yes.

14 Q. None of those adopt a cost-plus pricing model, do they?

15 A. Cost-plus in the sense that they set a price that equals
16 cost plus a pre-determined amount?

17 Q. Yes.

18 A. I do not know if any -- sorry, are you saying that no
19 sectors adopt that pricing policy? I cannot answer
20 that. I do not know.

21 Q. (Overspeaking) -- looking at pricing strategy in the
22 second to last column.

23 A. Pricing strategy? Oh, okay, sorry. If you are saying:
24 on this table, is cost-plus pricing listed? Then let me
25 just read it, it may not be. Yes, I can see some are

1 competition based, capacity based. These are, I might
2 say, extremely broad descriptions of how pricing
3 operates in a sector which I am not sure can really be
4 encapsulated in two words.

5 Q. Could we look, please, in {RC-F/19/71}, which is your
6 eleventh report, paragraph 161(b).

7 A. Yes.

8 Q. Let me just check that this is not a confidential
9 element. (Pause)

10 You appear to imply here that some of the
11 confidential names that we see marked there adopt
12 a cost-plus pricing basis; is that what you are trying
13 to suggest?

14 A. I think that is a fair reading of the sentence. I say:

15 "... cost-plus pricing where the cost basis excludes
16 the MSC --"

17 Q. Of the second of the three that are identified, is it
18 your case that that particular entity does in fact adopt
19 a cost-plus pricing model?

20 A. No, no, I was not -- I think the sentence perhaps should
21 not have suggested that ... What I meant to say is that
22 pricing that -- which relates to some extent to cost but
23 no doubt will include other factors, because I would say
24 essentially all pricing must account for not only cost
25 but also demand and other relevant demand factors. But

1 the key point is even if it excludes the MSC, then there
2 are these other issues that need to be investigated.

3 That is all I am saying.

4 Q. One of the channels that we have not really covered
5 yet -- I am not sure whether it survives into your
6 twelfth report or not -- is value based pricing, which
7 you say remains a form of competitor based pricing.

8 A. Yes.

9 Q. Is that right? I mean, value based pricing surely works
10 out what you think you can get away with charging
11 a customer, does it not?

12 A. I think value based pricing, which is not something that
13 I am sort of relying on as a two-word, or three-word, I
14 guess, characterisation of any particular claimant, is
15 simply acknowledging that a range of factors can be
16 relevant to pricing. Value and the perceived impact on
17 consumers might well be one.

18 Essentially, I do not see that as particularly
19 relevant, ultimately, in the sense that even if you have
20 some other factors that are relevant to pricing, changes
21 in industry-wide variable costs would also be relevant.
22 So I am not saying that this is the only thing, I am
23 just saying that that is an important consideration.

24 Q. You would not, would you, be able to show that because
25 there is an uplift, because of what you think you can

1 get away with charging a customer, that that would be
2 causally connected with a MIF overcharge?

3 A. I think the only way I would describe that is even if
4 you are charging a premium, because you think you have
5 a high amount of value, you still have the underlying
6 demand and margin trade-off, which is at the heart of
7 the entire debate that we are having, and so that would
8 apply, irrespective of the specific pricing adoption
9 strategy that you adopt. If the variable industry-wide
10 costs go up, even if you are a value pricer, there is
11 still a change in the trade-off.

12 Q. I am going to move on to eighth of my 14 points, which
13 is your reliance on the long-run. I do not think I need
14 to put to you that you are relying on the long-run?

15 A. I think I have said it probably a few times. I would
16 not ...

17 Q. As I understand it, the time span is anything up to
18 13 years but could be shorter. Is that a fair summary?

19 A. I have tried to -- well, I have not put a number on what
20 the long-run means. I have described what it means in
21 words. What it means in words is a sufficient period of
22 time to allow for short term adjustment factors in the
23 market to work out. That is all.

24 Q. Could we look, please, at {RC-F/19/103}. This is your
25 eleventh report, paragraph 270.

1 A. Yes.

2 Q. You say there that there is no common definition of
3 short or long-run in the economic literature.

4 A. Yes.

5 Q. You said you had not put a ring on it. But in fact you
6 have, have you not, because you give your own definition
7 then of six months to two years is medium and anything
8 over two years is long-run?

9 A. This was specifically for the purpose of trying to
10 characterise the existing studies as to whether the
11 studies that they had put forward were short-run or
12 medium and longer run. Obviously, in order to make that
13 characterisation, I had to come up with some threshold.
14 My view is that there is not a clear-cut threshold that
15 would be universally applicable but that the definition
16 I gave before is the more appropriate way to think about
17 the long-run. This was really just to try and
18 understand, you know, what were these studies actually
19 trying to measure, and in the end I actually used the
20 estimates of whether they were short-run or long-run in
21 any event.

22 Q. Please could we look in your twelfth report at
23 paragraph 53 {RC-G/17/29}. Here you are talking about:

24 "The [analysed] claimants have provided at most
25 ten years of usable data, but generally less, and the

1 median [is] six years."

2 You say:

3 "At best, this would be a short period to analyse
4 pass-on ..."

5 A. Yes, that is not -- sorry, just to be precise, the years
6 of data is not the same thing as the definition of
7 a long-run exercise. As a general proposition, to work
8 out the rate of pass-on associated with a given
9 duration, let us say pass-on that might happen within,
10 let us say, two years, you can say, well, let us say
11 two years is the expected transmission timing.
12 Obviously you might not know that but you can test for
13 whether that is, you know, picking up much of the
14 pass-on.

15 The data period is a different issue which is, given
16 your data structure, is there a robust way to identify
17 pass-on of a long-term nature, given the data. If the
18 data is not, in my view, substantially longer than the
19 pass-on transmission mechanism, then there is no way to
20 identify the pass-on in question. So --

21 Q. Can we look, please, at page 39 of this report,
22 paragraph 94. Here you say you need decades of data?
23 {RC-G/17/39}

24 A. Yes.

25 Q. Now, take somebody, for example, who only started

1 business in 2021, and we have some claimants to whom
2 that applies, who then bring a claim in 2023, and we
3 have some claimants to whom that applies, we are not
4 going to be there for another 15 years, are we, before
5 you can get the data you need?

6 A. As a first observation, I think my use of the term:

7 "... it would be necessary to have datasets spanning
8 multiple decades."

9 Is a bit of an overstatement. I think, on
10 reflection, that puts it at too high a bar, that you
11 necessarily must have data spanning multiple decades.
12 Of course it is potentially the case, if there is enough
13 variation, and the nature of the data is sufficiently
14 good quality, that you might be able to look at long-run
15 pass-on with a shorter dataset. So I think that would
16 be a clarification or a correction that I would offer in
17 relation to that sentence.

18 The key point, though, is you would need to have
19 a substantial multiple of the data period to -- by
20 contrast to the transmission, long-run transmission
21 period, otherwise you are just not going to have enough
22 data with which to assess the impact, given the noise in
23 the model.

24 PROFESSOR WATERSON: Can I just come in here. Is it

25 clear -- I know economists do not define the long-run,

1 I am not criticising -- I am not coming back to you on
2 that at all. But can I be clear that the long-run
3 relates to the nature of the business, so, for example,
4 in electricity where, in wholesale electricity markets,
5 prices vary for every half hour of the day, the long-run
6 might be quite a short period of calendar time, whereas
7 in another market, where prices move -- or any commodity
8 market, not just electricity.

9 A. Yes.

10 PROFESSOR WATERSON: In other markets, things might move
11 rather more slowly, but it need not be a period of
12 calendar time?

13 A. Yes.

14 PROFESSOR WATERSON: That is the relevant thing?

15 A. I think that is at least partly -- I would agree with it
16 partly, in the sense that the length of time over which
17 you might expect the transmission to happen could vary
18 from sector to sector, and it would likely happen more
19 quickly in relation to sectors that are of a higher
20 frequency of capturing the information.

21 The reason I said only partly agree is that it also
22 depends on the nature of the change in costs in
23 question. So even in the energy market, for example, an
24 energy policy that says, you know, we need to get to net
25 zero by point X, or some firms are making investments --

1 planning on making investments and there are some
2 changes in fixed costs, well, I would not necessarily
3 that all those changes in fixed costs would be
4 instantaneously captured in the half hourly market,
5 because the half hourly market is still, essentially
6 speaking, a short-run marginal cost-driven market.

7 So although there is frequency, and that would allow
8 more scope for the adjustment to happen quickly, it
9 still depends on the nature of the cost, in my view.

10 MR BEAL: So that comparison between short-run variable
11 costs and fixed costs, your case, as I understand it, is
12 that all costs over the long-run become variable?

13 A. That is not my case. If I were -- if I were looking at
14 a fixed cost change while, as I do -- sorry, if, as I do
15 not, I was looking at a fixed cost change, but, as I do,
16 I consider that a long-run pass-on was the relevant
17 consideration, then I would recognise that there are
18 some factors to take into account. One, there is no
19 immediate profit incentive to take the fixed costs into
20 account, but two, there may be some long-run factors,
21 such as changes in market structure, and, you know,
22 investment decisions that could lead to a long-run
23 change.

24 It might not lead to complete pass-on, it might be
25 less than a variable cost change, but it is not my

1 perspective that the pass-on estimates that I have
2 estimated are the ones because there is a long-run sense
3 in which all the fixed costs are recouped. That is not
4 my --

5 Q. Let us drill into that nuance for a moment. You accept
6 that certain overhead costs are going to be fixed costs?

7 A. Yes.

8 Q. Ignoring the: all fixed costs become variable if you
9 survive long enough. Ignoring that for a moment, you
10 are still saying, however, that it is appropriate to
11 recognise that those overhead costs are going to factor
12 into pricing at some point?

13 A. If -- I think if one were focused on fixed costs, then
14 my perspective would be it is unlikely there is material
15 pass-on in the short-run, but there may be pass-on to
16 some extent in the long run through changes in market
17 structure and investment decisions.

18 Q. Could we look --

19 A. It would be harder to measure that, but that would be my
20 view in the long-run for that type of cost. That is not
21 the type of cost we are dealing with here, though.

22 Q. That is bringing fixed overhead costs into a marginal
23 cost analysis, though, is it not, through the proxy of
24 a long-run perspective?

25 A. No, no, not at all, because the key distinction I

1 highlighted was that the reason why there might be
2 a long-run effect is through changes in market
3 structure, supply and demand balance and changes to
4 investment levels. Those are the sorts of things that
5 in the long-run could potentially be affected by
6 a change in fixed costs. In contrast, what I am talking
7 about are changes in industry-wide variable costs, which
8 do not require all those market structure changes to
9 have an impact. They have their own impact on the
10 profit maximising incentives even in the shorter run, so
11 there is an important distinction.

12 Q. I have asked you a question about fixed overheads, and
13 you have said that your answer is: I am dealing with an
14 industry-wide variable cost.

15 Can we just stick with the theory of a fixed
16 overhead and how that factors in. If it helps, let us
17 go to your twelfth report, paragraph 242 {RC-G/17/83}.
18 Bearing in mind my question has been largely formulated
19 by your own words, what you say here, at 242, if we can
20 bring that up, is:

21 "A change in gross target margin [halfway down the
22 paragraph] is, from an economic perspective, equivalent
23 to a change in the trade-off between increased profit
24 per sale and the volume of sales that underlies the
25 profit-maximising incentives related to marginal costs.

1 Consequently, any such costs should be considered to be
2 a variable cost, at least over the long-term."

3 A. Yes.

4 Q. So, again, going back to the point, to the extent that
5 there is this concept of an overhead cost that is
6 semi-fixed, semi-variable, depending on whether you say
7 "potayto" or "potarto", ultimately you are going to say
8 that over the long term, the short-term trade-off is
9 going to apply to that?

10 A. I think there is a further nuance that perhaps I need to
11 highlight here, which is that I am still focusing on the
12 inherent characteristics of the MIFs in the context
13 where, even if they are characterised as overheads,
14 those same underlying profit maximisation incentives
15 could be adopted through amendments in the gross target
16 margin. In my view, the same incentive-driven potential
17 changes would not take place for a change in fixed
18 costs. Those would likely take longer and be subject to
19 the changes in the demand and supply conditions.

20 So I think the distinction, then, is that even
21 within overheads, the inherent economic incentives might
22 vary as between those which are variable and those which
23 are fixed.

24 Q. Could we look, please, at {RC-J1.4/53/86}. This is the
25 RBB 2016 report. This, at paragraph 185 to 187, looks

1 at the effects of fixed costs on pricing. You will see
2 that there, they are not mentioning trade-off at all,
3 are they, only entry or exit or investment decisions?

4 A. Yes, that is indeed consistent with what I just said.

5 The fixed overheads could lead to long-run pass-on due
6 to changes in entry and exit, and I would say also other
7 investment decisions. Changes in variable industry-wide
8 overheads would operate through changes in the profit
9 maximisation level that the firm, and indeed the rest of
10 the sector, would be facing. So there are entirely
11 different channels or factors that drive the case of
12 pass-on.

13 In my view, in the industry-wide variable case, it
14 would be operating through a broader set of channels,
15 whereas the fixed overhead case would be limited to the
16 structural change.

17 Q. At the moment, I am failing to understand the
18 bright-line distinction between short-term marginal
19 pricing which you recognise would be based on marginal
20 costs?

21 A. Yes.

22 Q. You are not suggesting that the MSC, as I understand it,
23 is a classic marginal cost in that sense?

24 A. Well, I think I am actually. It varies with respect to
25 the sales of the business in the immediate term, and the

1 only possible distinction is that it does not apply on
2 a transaction by transaction basis, because it is
3 contingent on whether the payment card is used, but that
4 is not a relevant distinction.

5 Q. Why are you even bothering with long-run if that is your
6 case? Why do we --

7 A. I am actually responding to the case of the other
8 experts. This, I agree, is not relevant to my case at
9 all. I do not -- the only relevance is that to the
10 extent that the underlying incentives I have just
11 described cannot be said to have necessarily been acted
12 on in the short-run, because there is some price
13 adjustment cost or pricing treatment reason, then, in my
14 view, the incentives would operate in the longer run
15 because --

16 Q. Is it your case that there is somehow a bright-line
17 distinction between how those incentives operate on what
18 economically you would call a fixed cost and what
19 economically you would call a variable cost, even if the
20 business treats a particular cost as an overhead and
21 does not distinguish between variable and fixed at all?

22 A. I think that is what I am saying, is that, at least in
23 terms of the but-for case where there are outcomes that
24 you would expect as a result of cost changes, that the
25 nature of the cost change will be relevant in the

1 long-run, as comparing an industry-wide variable cost on
2 the one hand and a fixed cost on the other, and that
3 that would hold in the long-run, if not the short-run,
4 even if some identified firm says: I do not take into
5 account MSCs in my pricing strategy because of the
6 alternative channels.

7 Q. But if --

8 THE CHAIRMAN: Sorry, can I just ask: when you are talking
9 about a fixed cost in the long-run, are you saying that
10 it remains fixed in that long-run and does not become
11 variable over time? Because I thought it was part of
12 your position that all fixed costs becomes variable.

13 A. So fixed costs, let us say you are in a ten-year lease,
14 that is clearly a fixed cost for ten years.

15 THE CHAIRMAN: Yes.

16 A. The sense in which it might be variable cost in the
17 long-run is that, in year 10, you can either renew it or
18 not renew it. So there are some decisions that can be
19 made, even in relation to fixed costs, that mean in the
20 long-run there could be some impact of the size of the
21 fixed cost on outcomes in the market.

22 So in that case, you either say: look, we are paying
23 such a huge amount that we just cannot sustain that
24 production facility, we cannot pay another ten-year
25 lease at that rate, we are going to close it down. The

1 impact of that would be through a change in the supply
2 and demand balance in the market, i.e., a reduction of
3 your own output, and that would lead to a bit of a price
4 increase. That is a long-run reaction through a market
5 change to a cost which is fixed in the short to
6 medium-term.

7 That is not the -- I have sort of explained all this
8 in my report as, in a sense, a discussion about economic
9 theory, but its relevance is limited in the sense that
10 I am not of the view that the ten-year lease on your
11 production facility is a relevant proxy for MIFs that
12 change on a per transaction basis, i.e., those are
13 variable and indeed industry-wide.

14 So all of this discussion about the long-term fixed
15 cost is a little bit of a side discussion that I have
16 engaged in to sort of explain my views on the economic
17 theory, but which are not actually relevant to my
18 assessment as to what is the appropriate proxy.

19 I am not saying that COGS are the right proxy
20 because, in the long-run, fixed costs become variable;
21 I am saying that COGS are the relevant proxy in the
22 long-run, because (a) the long-run is the appropriate
23 timeframe, given the counterfactual of a long claim
24 period and a permanent change in MIFs, but that,
25 moreover, they are the right proxy because they share

1 the inherent relevant characteristics of the MIFs and --
2 which is the industry-wide variable nature.

3 So it is not due to any discussion about fixed costs
4 that I choose COGS as being a proxy; it is explicitly
5 because --

6 THE CHAIRMAN: You are responding to the other side's case?

7 A. I am responding to the other side's case, saying let us
8 suppose that MIFs are treated as an overhead, and we all
9 know that overheads have a share of variable and fixed
10 costs.

11 Now, there are two possibilities. One, in all cases
12 the firm then treats the overheads in a common way and
13 does not refer to the underlying economic incentives,
14 and, moreover, all firms do that, and so there is no
15 competitive reaction. In that case, you would
16 say: okay, maybe they have treated it as if it is
17 a fixed cost, and therefore, in the long-run, it is only
18 the fixed cost pass-on that would be relevant, and this
19 debate on, well, in the fixed costs there could be some
20 pass-on because of the impact on the, you know, supply
21 and demand balance due to investment decisions, so there
22 could be some pass-on, even in that world.

23 I disagree that that is the alternative that we
24 should be focusing on because, basically, it is
25 inconsistent with economic principles and would require

1 persistent non-operation of those incentives amongst
2 firms across the whole sector, and, moreover, because it
3 does not seem correct to say that necessarily all firms
4 treat all overheads in exactly the same way. That is
5 not my understanding.

6 MR BEAL: Please could we look at {RC-J1.4/19/35}. This is
7 part of the Commission Guidelines, recital 162.

8 Now, what it says there is:

9 "The time frame over which pricing is considered
10 will affect whether costs are categorised as variable or
11 fixed. Generally, economic theory suggests that the
12 longer the relevant time frame, the greater the
13 proportion of total costs that should be considered as
14 variable. In other words, a certain cost category which
15 is viewed as fixed in the short run might be regarded as
16 variable by the firm when considering a longer time
17 frame. When assessing the relevant time frame in a
18 specific case, the court may wish to consider
19 information from the party's internal documents, e.g.
20 information on the costs that the firms take into
21 account in their own pricing decisions."

22 So it is right, is it not, that when looking at this
23 issue, you have to look at how the merchant treats its
24 own costs in the short and long-term?

25 A. That is not my interpretation of what this is saying.

1 I think this is saying that if there is a case where the
2 cost is clearly marginal, then it can be treated as
3 variable, and that would be the case in the short-run as
4 well as in the long-run. If the cost is fixed, then it
5 may not be appropriate to treat it as variable in the
6 short-run, but there may be some circumstances under
7 which it can re-assess those fixed costs.

8 So, for example, it would be sort of interesting to
9 know in that context: is the lease period ten years or
10 can they renew it every month? Because it might be
11 a fixed overhead in the sense that it is not linked to
12 output in the short-run, but it might be something that
13 you can still change either on a, you know, short or
14 medium period or only on a very long period.

15 Q. What about a firm that simply does not make a conscious
16 decision as to whether a particular overhead is fixed or
17 variable at all? It would simply treat it as an
18 overhead cost and deal with it as an overhead cost?

19 A. Well, I think my answer to that is I am essentially
20 adopting an approach which would either -- so even in
21 that case, in my view, there are other channels that
22 would adopt, because I am not relying on the conscious
23 treatment of the overhead cost as a variable cost, I am
24 relying on the fact that for an industry-wide variable
25 cost in a but-for world over time, you would -- the

1 industry would trend towards that impact.

2 So it is not a matter of conscious awareness; it is
3 about whether the competitive pressures would go in that
4 direction or not.

5 Q. If the firm in question is not really committing to
6 anything other than: this is an overhead and we will
7 treat it as an overhead, and given that we know that
8 overheads have a fixed and a variable component, the
9 logical answer to the proxy would surely be Mr Coombs'
10 total cost proxy, would it not, because that would
11 encompass everything?

12 A. Well, the reason I cannot agree to that is because it is
13 so focused on what an individual firm's perspective is,
14 and most of the markets in the retail environment are
15 not monopolies. In fact, I do not think any of them
16 are. They are all markets in which firms are competing
17 against each other. So even if firm A adopts the sort
18 of light touch approach to dealing with its own
19 information in saying: we do not really care or
20 investigate or understand what is going on with our
21 costs, we would say they are all overheads and we do not
22 know anything more than that, that still would lead in
23 the long-run, assuming that any other firms in the
24 sector do care about their incentives, or at least, even
25 if not consciously, have reacted to the pressures of the

1 change in the margins, then it would still lead to
2 a long-run outcome that is consistent with the
3 underlying incentives. So it does not rely on the
4 conscious treatment or awareness of what are the costs.

5 Q. If, of course, the total costs proxy is used, you would
6 say that builds in a downward bias or a downward skew
7 against pass-on, would you not?

8 A. Yes, because --

9 Q. So when Mr Coombs comes up with pass-on rates, you would
10 say logically those ought to be significantly lower than
11 yours to reflect that downward bias?

12 A. Well, I would if, in practice, it had a material effect
13 on the results, but my view is that it, in fact, does
14 not have a great impact on his results, because --

15 Q. (Overspeaking) So if he reaches the right result for the
16 wrong reasons, you do not care?

17 A. I have been quite clear, I think, in my Holt 12 report
18 that I disagree with aspects of his approach. First,
19 whether total cost is the correct sort of proxy, and
20 I will not go over all the reasons for that, because
21 they -- total costs include fixed costs, and I do not
22 think they are the relevant proxy, and have also offered
23 some critiques as to some particular implementation
24 aspects as to how he has implemented the total cost,
25 i.e., through allocation of the fixed costs, or the

1 overheads at least, to the COGS.

2 Now, I think in the end the way he has done that
3 means that the actual distinction in practice between
4 what we have done respectively is rather less than the
5 description of a focus on total costs actually implies,
6 because his total costs sort of vary largely with
7 respect to the same COGS variable that I focus on.

8 Q. Please could we look in your twelfth report,
9 paragraph 182(c) {RC-G/17/64}.

10 A. 182(c), yes.

11 Q. 182(c), halfway down the page-ish.

12 You then say a reason for, in a sense, not liking
13 the overheads approach is:

14 "... it is not possible accurately to estimate
15 pass-on of overheads over the course of the claim period
16 due to data limitations."

17 That is pretty much the equivalent, is it not, of
18 saying you are going to deliberately give the wrong
19 answer to the right question on an essay because you
20 know more about the topic that you are writing about, is
21 it not?

22 A. I mean, I disagree with that, because I cannot see A and
23 B or indeed the prior section. But I think by this
24 point, and I have probably said it a number of times,
25 I do not consider overheads to be the right proxy. That

1 is my primary argument.

2 If we are in the alternative where somebody else is
3 trying to measure overheads, in my view wrongly, what
4 I am then saying is that, well, unfortunately, you are
5 unable to really do that with the claimant datasets
6 because of all the limitations of the aggregation and
7 the time period of the data provided.

8 So it is an alternative point that says: look, even
9 if I was wrong on the appropriate proxy and it were
10 right to get overheads, you are not going to get the
11 pass-on of overheads from the approaches that the other
12 experts have adopted.

13 Q. So assuming you are wrong on the selection of proxy, and
14 assuming against you that the overheads approach is the
15 right one, because it reflects the real world analysis,
16 you would not be able to give an answer as to what
17 pass-on rate was, would you?

18 A. Not from the claimant overhead data, no. I think my
19 answer to that would be I would invite the Tribunal to
20 look at the evidence from the public data and the
21 existing studies where at least some of those have
22 referred to costs that are often characterised as
23 overheads.

24 Q. But you have not relied upon those studies because you
25 say they inappropriately do not choose a variable cost?

1 A. I am referring to studies I have relied on, in the sense
2 that even though they are potentially being
3 characterised as overhead costs, I still treat them as
4 relevant because of the consistency with the economic
5 principles, i.e., that they are, at least in some part,
6 variable, and that is the case for the, you know, the
7 retail services and restaurants market where staff is at
8 least in some part a variable cost.

9 Q. You would recognise, would you not, that if one looks at
10 the long-run, the scope for confounding factors
11 increases in terms of any analysis?

12 A. That seems plausible. On the other hand, in the
13 long-run, the impact of noise becomes less and less. So
14 the short-run analysis might be subject to more impact
15 of noise, whereas the long-run analysis, some of that
16 might average out.

17 Q. If that were right, we would be able to come up with an
18 explanation as to whether or not prices have changed as
19 a result of the cap on interchange fees in the IFR in
20 2015; correct? Because that 2015 to 2024 period must
21 fit even your definition of long-run.

22 A. Well, you have the signal to noise ratio. So I disagree
23 that you can look at the MIF change in 2015 in an
24 empirical way, given the noise in the overall pricing of
25 these retail operations, and say therefore you can

1 measure it with a ten-year horizon. The problem is
2 not -- the ten-year horizon is not better than
3 a two-year horizon, it clearly would be, but you would
4 still suffer from the fact that the variation in the
5 MIFs is low by reference to the variation in the prices,
6 and that makes it hard for a model to distinguish, in
7 effect, even if the effect exists.

8 Q. You are assuming, are you not, that if one is adopting
9 the longer term approach to a cost becoming variable,
10 the pass-on rate is going to be the same as would apply
11 in a short-term immediate marginal cost pricing sense in
12 terms of pass-on?

13 A. I think that is close to my position but not quite. So
14 my position is that in the long-run, the pass-on rate
15 for an industry-wide variable cost would be similar to
16 what might apply in a short-run for a marginal cost.
17 I am not saying that all costs in the long-run would be
18 passed on at that same rate. So my qualification is
19 that it only applies under certain conditions, but the
20 conditions do happen to apply in this case.

21 Q. Could we look, please, at {RC-F/19/99}. There is
22 a reference there to the Goodwin and Holt paper.

23 A. That is not me, sorry. I probably should have clarified
24 in the footnote. If it is not already done, then that
25 not me.

1 Q. I can tell it is not you because of what is says:

2 "This paper does not provide a pass-on estimate but
3 rather focuses on the delay in pass-on. It finds that
4 responses to market shocks are generally complete after
5 12 weeks."

6 A. Yes. So I think what that is saying is depending on the
7 type of costs, then transition mechanisms can happen
8 more quickly in certain markets than in others. This is
9 obviously specific to one individual sector, the US beef
10 sector, and they are finding that pass-on happens to
11 operate fairly quickly. I do not necessarily disagree
12 with that.

13 MR BEAL: I am about to move on to factor number 9 or point
14 number 9 and perhaps it is time to give the transcriber
15 a well-deserved break.

16 THE CHAIRMAN: We will take a ten-minute break.

17 (3.14 pm)

18 (Short Break)

19 (3.25 pm)

20 MR BEAL: Mr Holt, we are now going to look at the specific
21 choice of the proxy that you have landed upon. As
22 I understand it, you posited three separate proxies: one
23 was COGS, two was VAT and three was labour costs?

24 A. Are you referring to any particular segment of my
25 analysis, so, for example, the previous studies in

1 particular?

2 Q. In your eleventh report at paragraph 29, {RC-F/19/33},
3 that seems to be what your evidence is.

4 A. Okay. I agree that all three of those I take as at
5 least potentially relevant in some circumstances, yes.

6 Q. VAT of course is an ad valorem tax?

7 A. Yes.

8 Q. So it is not treated as a cost by anyone, is it?

9 A. The importance of an ad valorem tax is that it creates
10 a wedge between essentially the price paid by the
11 consumer and the price paid by the -- sorry, by the --
12 the price received by the retailer, and the
13 considerations as to how much of the VAT to pass on are
14 subject to essentially very similar conditions as the --
15 as the pass-on of a tax. There are -- there is one
16 additional element that because it is ad valorem, that
17 can have a further effect, but basically it is a useful
18 proxy, in my view.

19 Q. The ad valorem approach -- I think you accept as
20 a matter of principle the incentive to pass on
21 an ad valorem charge is lower?

22 A. I do agree, in principle, the economic theory is
23 consistent with that, albeit the degree to which that is
24 the case depends on the margin. So it is mainly where
25 there is a very high margin or a high margin where the

1 distinction is somewhat more important.

2 Q. You do not find VAT being attributed as a cost in the
3 profit and loss account, do you?

4 A. No, but that is not a consideration that I attach any
5 weight to, because it is not consistent with the
6 underlying drivers of what determines prices in
7 a market --

8 Q. VAT is a classic case where a supplier will typically
9 add on VAT to the price that they have already set by
10 way of sending an invoice to the customer?

11 A. Well, that is obviously true in the sense that if VAT is
12 20%, by definition the price of the customer has to be
13 20% more than the price received, but that is not the
14 relevant consideration. Again, it is the sort of
15 but-for world: what would the end-user consumer price
16 have been with and without the VAT, and in that world it
17 is not necessarily a 20% difference. It might be that
18 the retailer sets a somewhat lower price than that
19 because they are concerned that, with the 20% added on
20 fully, that might divert some sales and they might lose
21 too much margin as a result.

22 Q. But plenty of retailers offer VAT-free pricing to
23 business customers, do they not, like Amazon?

24 A. I mean, to the extent that they do, it is really just
25 a particular version of a pricing discount. Obviously

1 you can call it VAT-free pricing to customers. So, for
2 me --

3 Q. They are advertising prices that do not have the VAT on
4 them because it is assumed that anyone buying for
5 a business will be able to recover the VAT as input
6 tax --

7 A. Yes, okay, that might be relevant in the context where
8 if the VAT -- so either they can -- either they are VAT
9 registered, in which case even if they paid the VAT they
10 could then reclaim it, or they are not VAT registered,
11 in which case, if they pay the VAT, they are in a sense
12 lumped with it, because they do not have anything to
13 offset it against.

14 Q. Quite a chunky section of the claimants here -- well, at
15 least until Allianz settled out -- related to
16 a financial services industry that was not going to
17 charge VAT in the first place, because it benefits from
18 an exemption. There is an exemption for insurance
19 transactions, is there not?

20 A. Well, that might be a good reason why looking at VAT
21 studies for the financial services sector might not be
22 as useful a source of evidence, because maybe VAT is
23 less relevant, but the VAT studies in general are on
24 sectors where the VAT is relevant.

25 Q. Could we look, please, at Mr Ramirez's positive case,

1 his second report, paragraph 217 {RC-F/8/81}. What he
2 is comparing and contrasting here, in the left-hand
3 column, is a reaction to the VAT decrease in December
4 2008 to the other events where there were changes in the
5 Visa CAR concession and then the IFR implementation.
6 I will not call out the figures, but it is fair to say,
7 is it not, that the impact of the VAT decrease was much
8 more significant than any detected change in prices
9 following the MIF changes?

10 A. I agree with that. That is sort of a specific version
11 of the general point about signal to noise ratio and the
12 need for a proxy to be something that is measurable.

13 Q. All of the proxies you have selected involve a much more
14 significant and materially important cost than the MIF
15 for your typical trader?

16 A. Well, that true for the same reason, otherwise you would
17 not be able to obtain any empirical estimate.

18 Q. You would accept, would you not, that MIFs have been
19 pretty much set on an ad valorem basis since 2015?

20 A. Yes.

21 Q. Certainly with increasing predominance, IC++ pricing has
22 been the norm for large businesses over the same period,
23 since 2015?

24 A. I cannot speak to an absolute level of predominance, but
25 I am aware that it has become more popular over time.

1 Q. I think you acknowledge, do you not, that there is an
2 endogeneity issue with ad valorem as a proxy?

3 A. Yes, I think that is a potential reason why you might
4 not want to use some of the smaller proxies that some of
5 the claimant evidence includes, and that is one reason
6 why I have not used those.

7 Q. So there is a risk of a reverse causality being inferred
8 from a correlation?

9 A. Yes, if in those cases -- well, sorry, the issue here is
10 that if you use the MSC as a proxy, for example, and the
11 MSC is an ad valorem approach, then if the price is --
12 if there is an inherent link between the two, then you
13 will find that link. There are a couple of cases where
14 there is a similar type of proxy -- I will not name
15 which claimant, but where there is a similar type of
16 relationship where it is a share of the revenue and so
17 in that case the data sort of tends to follow.

18 I think the general VAT evidence, though, is
19 nonetheless interesting, because what it shows is that
20 there can be a reaction by setting the pre-sort of --
21 you know, the residual price that the firm gets, and
22 that can react, and there can be less than perfect
23 pass-on, and that is, I think, an interesting finding.

24 Q. Now, the suitable variable proxy for an MSC would have
25 the following characteristics, would it not, in

1 a perfect world: firstly, it would be a small cost, so
2 it reflected the small cost of the MIF as a proportion
3 of the MSC which is itself a small cost?

4 A. Well, I disagree with that, because the ideal proxy
5 needs to be something that is empirically measurable.
6 So if it was the same size as the MIF --

7 Q. Well, imagine an ideal world where you can measure
8 a small charge, as Mr Murgatroyd said he could with the
9 MIF, but putting that to one side. Imagine this is
10 a perfect world, that would be -- you would look for
11 a proxy that was roughly the same size as the cost that
12 you were interested in; correct?

13 A. You might do, but the evidence, including that of
14 Mr Murgatroyd, demonstrates that even if that were
15 ideal, it is just not feasible. The MIF evidence that
16 he has looked at and the other similar small proxies
17 give nonsensical results.

18 Q. In a perfect world it would be an overhead, because that
19 is how the merchants treat the relevant cost?

20 A. I disagree in the context where we are looking at the
21 long-run impact of a change in an industry-wide variable
22 cost. If there were, however, sufficiently relevant
23 industry-wide variable costs that happened to be treated
24 as overheads and met the signal to noise ratio issue,
25 then I would agree that that would be a potentially

1 relevant proxy.

2 Q. So if it was technically variable, treated as an
3 overhead, sufficiently small that it was like-for-like
4 with the MSC itself, that would be the ideal proxy?

5 A. Well, that would share -- well, in some cases -- I mean,
6 again, I put less weight on the treatment as a relevant
7 factor for the longer term, and also because there is
8 uncertainty in variation as to how that actually
9 operates, but aside from that, I think as long as you
10 have an industry-wide and a variable cost, and it is
11 measurable, then that is the key consideration for me.

12 Q. But I think we are agreed, are we not, that that, on the
13 facts of this case, is essentially a pink unicorn; you
14 are never going to find it?

15 A. In my view, we have found the things that I determined
16 in my consideration of the relevant facts and principles
17 that are good proxies, and that is the industry-wide
18 variable cost.

19 Q. That is the whole point, there is a choice. Because you
20 cannot find the pink unicorn, you have to find something
21 that is going to be imperfect, so you have a choice
22 between imperfections; correct?

23 A. I think I would agree with that, that the most perfect
24 approach here would be that we would be measuring
25 directly the impact of the MIFs. I think we are

1 therefore, in a sense, automatically in the imperfect
2 world whereby any alternative needs, by definition, to
3 be something other than a MIF, it needs to be proxy.

4 Q. So the options are either to pick a measure of overhead
5 costs which is workable, because that reflects how the
6 merchants treat the cost in practice, or to find
7 a purely variable cost which nonetheless is not going to
8 be comparable to the MSC because it is treated as a COGS
9 rather than an overhead?

10 A. I think essentially what you are leading to is there is
11 a potential trade-off, and one has to determine which of
12 those trade-offs or aspects is the more salient in the
13 context of the proceedings. My view is that the
14 inherent characteristics are more salient than the
15 treatment. Obviously I am aware that some experts have
16 reached the opposite view. I think they are wrong,
17 mainly because they have not considered the long-term
18 implications of that, that it must mean that there will
19 be a systematic deviation of an entire sector from the
20 underlying profit-maximising position of all the
21 individual firms, and I just do not think that is a
22 relevant long-term approach to take.

23 Q. Your choice in that trade-off has landed on probably the
24 most significant variable cost component that firms use
25 in their pricing analysis as a proxy for a very small

1 cost that in fact is treated as an overhead?

2 A. I think it is fair to say that the COGS is often the
3 most significant variable cost. I think it might be
4 that I have used a range of other proxies, for example
5 labour costs in certain situations, but I would agree
6 that I am choosing industry-wide, as far as they can be
7 described that way, and variable, and, again, insofar as
8 they can be described that way, and larger costs to get
9 across the proxy signal to noise ratio problem.

10 Q. In contrast, the overheads approach cannot focus on the
11 specific overhead in question because it is too small,
12 so it has looked at total overheads which is necessarily
13 going to overstate the significance or materiality of
14 the MSC as a component of total overheads, is it not?

15 A. That would be true if the size of the change were
16 a relevant indicator of the long-run pass-on rate, which
17 I disagree with, and which is inconsistent with economic
18 principle.

19 Q. Now, you have suggested that overheads include variable
20 costs, semi-fixed costs and so on, and you say that
21 gives rise to an aggregation issue. But you have then
22 included the average weekly earning in your estimation
23 of pass-on using public data, have you not?

24 A. There is quite a lot in that question. Firstly, the
25 overhead -- the aggregation issue is only in part due to

1 the combination of variable, semi-fixed and fixed costs.

2 I agree that that is an aggregation problem, but it is
3 not the main or only aggregation problem. The other
4 aggregation problem is that you do not have the per unit
5 prices. So you have all sorts of potential changes in
6 aggregate overhead expenditure which would be unrelated
7 to any upward pressure on prices, so that when you
8 measure the effect, you get a bias towards zero. That
9 is my main concern. This fixed, semi-fixed and variable
10 consideration is, I agree, a further important concern.

11 The next part of the question is, I use ...

12 Q. AWE.

13 A. AWE, yes. Well, that is not subject to the aggregation
14 problem because it is the indexed wage rate in terms of
15 percentage increases in the average wage expenditure for
16 an employee. So, in other words, it is explicitly
17 avoiding the aggregation issue by focusing on
18 a period-on-period change in the wage rate, so that is
19 a unit price.

20 Q. Now, I am going to move on to why your proxy selection
21 leads to unrealistic pass-on levels. Can we look,
22 please, in the RBB 2016 report, paragraph 152
23 {RC-J1.4/53/78}. It is only really in the unrealistic
24 conditions of perfect competition that you would expect
25 100% pass-on; correct?

1 A. No, that is incorrect. It is true that under perfectly
2 competitive conditions you can have a pass-on rate of
3 100%, but that is not -- you used the word "only". It
4 is also consistent, as the hot-tub I think indicated
5 across the board, i.e., all experts agreed that there
6 are other conditions, even under imperfect competition,
7 where you can have either 100 or above 100 as well.

8 PROFESSOR WATERSON: Or below?

9 A. Or below, yes, sorry, I did not mean to imply that it
10 had to be above 100, but there is a range of outcomes
11 that would be possible, yes.

12 MR BEAL: Can we look out the top of page 79 on the next
13 page, please. There is a reference to a case that was
14 brought against Microsoft there, and the claimants'
15 expert is having drawn on tax instance theory to argue
16 that overcharge had been passed on to end-users.

17 "... [he] found 100% pass-on 'likely' because of ...
18 the intense competition in the distribution of Microsoft
19 products ..."

20 The contrary view was that Microsoft's view was
21 that:

22 "... the intermediate levels of the distribution
23 chain were far from perfectly competitive ..."

24 The court dismissed class certification holding that
25 the plaintiffs' expert had not 'bridged the gap between

1 economic theory and reality of economic damages' and
2 found the tax incidence theory to be [subjective] in
3 that case."

4 A. Yes.

5 Q. We then see in 154:

6 "The extent of passing-on of industry-wide
7 overcharges can be less than 100% in competitive
8 situations because prices are determined by the level of
9 marginal costs, and pass-on of the overcharge will cause
10 output to contract (assuming demand is not perfectly
11 inelastic) ..."

12 So that recognises, does it not, that the perfect or
13 theoretical construct is not going to help us determine
14 whether or not pass-on is at 100% or less?

15 A. Can I make three brief points. Firstly, about the case
16 you referred me to. I am not particularly surprised
17 that the court ruled as it did in that case, because it
18 seems to be a solely economic theory-based basis on
19 which that expert found that there should be 100%
20 pass-on as being likely; in other words, it was due only
21 to intense competition and lack of substitutability.

22 In contrast, I am not relying on economic theory to
23 say anything about the actual level of the pass-on rate.
24 I am, in contrast to that expert, saying there are some
25 useful indications and factors that are relevant that we

1 need to take into account for the proxy, but really it
2 is down to the empirical evidence, so let us go and look
3 at a wide range of empirical evidence and reach a view
4 on that basis. That does not seem to be what that
5 expert did.

6 Q. One of the studies you looked at for some of the
7 empirical backing you advance in support of your case is
8 Benedek et al, which is 2020. That is {RC-J6/29/2}. We
9 see that this is looking at the impact of VAT on
10 pass-on.

11 A. Yes.

12 Q. We will see that in the abstract right at the top, there
13 is an almost universal assumption that VAT will be
14 passed on in full. Is that correct?

15 A. Well, that is what it says -- sorry, it has gone now.
16 Yes.

17 Q. "... usual presumption of full pass through is broadly
18 confirmed for changes in the standard rate [the abstract
19 says] but pass through for reduced rates appears to be
20 generally noticeably lower."

21 So these particular authors started with
22 a theoretical approach that suggested that there would
23 be full pass-on, and then looked at the empirical
24 analysis to see whether there was undershifting or
25 overshifting as a result of the VAT changes. Is that

1 fair?

2 A. Yes, that seems to be fair.

3 Q. Could we then, please, look at page 12 of this article
4 {RC-J6/29/2}. In the paragraph that begins, "Two
5 aspects of these results stand out", the authors said:

6 "First, the total pass through is statistically
7 different from unity (and from zero) at 99% confidence.
8 The null of full pass through - the standard presumption
9 in policy work - is firmly rejected, with the point
10 estimates implying that only around one-quarter of a VAT
11 change is passed forward to consumer prices. Simply
12 assuming full pass through of all VAT reforms is ...
13 a significant mistake. Second, only contemporaneous
14 effects in the month of implementation matter: effects
15 before or after the reform are negligible and
16 insignificant."

17 So there are two things emerging from that, are
18 there not? One, empirics show that less than full
19 pass-on can be experienced in practice, and secondly,
20 the effects of the change are felt in the immediate or
21 short-term?

22 A. Yes. Sorry, I am just reminding myself of this
23 paragraph.

24 So I think, firstly, it is saying that one needs to
25 look at the empirical evidence and not rely simply on

1 what a theory is telling you, and that is what I have
2 done, I have looked at a range of VAT pass-on studies
3 and looked at what they said as an empirical finding, as
4 opposed to any theoretical finding, so I agree with
5 that.

6 I also agree that in many of the cases, pass-on was
7 less than perfect. This one indicates a quarter; in
8 other cases, higher rates were found. It might depend
9 on a number of considerations, such as how much input
10 substitution can happen and whether the VAT change was
11 likely to be perceived as a permanent one or a temporary
12 one, because sometimes they are put in place for
13 a temporary period of time.

14 Q. That was dealing with the full rate of VAT. If we move,
15 please, to page 14 {RC-J6/29/14}, you will see that
16 different analysis is yielded for reduced rates of VAT.

17 Halfway down the page, it says:

18 "Changes in reduced VAT rates show a very different
19 pattern of pass through. For these, the cumulative
20 point estimate for all price responses prior to the VAT
21 change is negative (but insignificant) ... The
22 contemporaneous price effect is 46% and highly
23 significant."

24 So when you are dealing with a reduced rate of VAT,
25 which is, certainly in the UK, typically 5%, you have

1 much lower rates of pass-on?

2 A. Well, two comments here. The first point is about the
3 negative but insignificant 0.26. That is the
4 pre-reaction. So the cumulative point estimate for all
5 price responses prior to the change is negative. So
6 what that is saying is that maybe if there is
7 a pre-announcement of a change, then there is some
8 anticipation in the market going on and there might be
9 some reactions. Well, that might be the case, but also,
10 after the fact, then there might be contemporaneous
11 reactions, i.e., when you put it on there might be an
12 immediate effect, and the sentence here says that effect
13 is 46% and highly significant.

14 Of course that is contemporaneous. Some of the
15 effect might also not be contemporaneous, it might be
16 with a lag. So you would expect the 46% in that
17 scenario to potentially go up --

18 Q. It then says:

19 "Overall, the cumulative pass through in the
20 long-run is estimated at only 28% ..."

21 A. Okay, that would be the estimate that this study is
22 identifying based on their dataset. As a general
23 proposition, I have carried forward estimates,
24 irrespective of what they are, that, you know, I have
25 identified in the literature; some are lower and some

1 are higher.

2 Q. A change in the reduced rate of VAT is going to be one
3 ad valorem tax change; correct?

4 A. Yes.

5 Q. It is going to be industry-wide, indeed economy-wide?

6 A. It depends on -- generally, yes, I think, yes.

7 Q. It is going to be highly visible?

8 A. Most likely.

9 Q. It is something that a business is likely to be alive
10 to, because they have to account for VAT to the Revenue?

11 A. I would agree with that too.

12 Q. The percentage ad valorem rate that we are talking about
13 is going to be significantly higher than 0.2 or 0.3%
14 that applies to consumer debit or credit card MIFs?

15 A. Well, that is -- yes, that also true.

16 Q. So, in a sense, this is -- it is not quite a pink
17 unicorn, but it is a much better proxy, is it not, in
18 terms of what could be said to be an ad valorem
19 industry-wide charge, and we are seeing here that the
20 empirical evidence in the long-run is that the pass-on
21 rate is as low as 28%?

22 A. Yes, from this study. My approach has not been to sort
23 of select specific studies and rely on one study from
24 the broader literature, I have tried to identify a broad
25 range of evidence, covering as many sectors as I could,

1 in order to --

2 Q. What I have not detected in your analysis of studies is
3 any suggestion that this gave you pause for thought.

4 A. No, I do not think there is any reason for it to give me
5 pause for thought. This is one article, looking at one
6 particular dataset, which, you know, to the extent that
7 it passes the reliability and other criteria I have
8 identified, I take forward, but I also do that for
9 a number of other studies, and then I give essentially
10 broadly equal weight to the studies. So I do not see
11 any reason why I would disproportionately weight this
12 one over any of the others.

13 Q. Point number 11 that I am moving on to now is
14 sectorisation extrapolation.

15 A. Yes.

16 Q. You have adopted Visa's internal classification for the
17 sectors, have you not?

18 A. Yes.

19 Q. That is not something that is adopted by the claimants,
20 or indeed merchants generally, for commercial reasons.
21 It is fixed by Visa, is it not?

22 A. Yes.

23 Q. It is not an official classification index, like the
24 SIC?

25 A. No, that is correct, it is not the SIC.

1 Q. You have recognised, I think, that the SIC is the
2 standard and granular way of categorising different
3 sectors?

4 A. Yes. I would add, though, that there is a very large
5 number of SIC categorisations, and one then has to
6 identify a pragmatic way to identify a reasonable
7 number of sectors that the experts could really deal
8 with from a practical measurement perspective.

9 Q. Did you land upon Visa's internal classification or was
10 it suggested to you?

11 A. I suggested it because I was aware that it would be
12 something that had data, in other words, we could
13 understand the shares of the different transactions that
14 applied, and that for the most part, the sectors seemed
15 in a sense ready made for allocation to the sectors that
16 had been identified, and that while I recognised that in
17 some of the sectors there may well be too much
18 sub-sectoral variation, I tried to highlight those
19 subsectors as being cause for a separate analysis.

20 Q. You have landed on 14 industry group sectors.

21 A. Yes.

22 Q. Does Visa only have 14 sectors or is that just the ones
23 you have selected?

24 A. No, it has 14 sectors at that level, but then each of
25 those sectors is divided into a number of subsectors,

1 effectively.

2 Q. I think my point was a more basic one, which is are
3 there non-industry group sectors that you simply have
4 not taken into account because they are not part of the
5 sectorisation for this particular claim?

6 A. No, I think --

7 Q. That is it?

8 A. Yes, I think that should capture the entire, at least,
9 part of the economy where payment cards are relevant,
10 yes. The 14 should cover all of that.

11 Q. Where payment cards are relevant?

12 A. Yes, well, all merchants who accept payment cards will
13 fall within one of the 14 categories.

14 Q. So obviously it necessarily does not cover merchants who
15 do not take payment cards?

16 A. It would only not cover it if the entire sector did not
17 accept cards.

18 Q. Now, the merchants themselves do not choose which sector
19 they are assigned to, do they?

20 A. No.

21 Q. We do not have any evidence from Visa explaining what
22 the underlying basis for the grouping is?

23 A. No, I do not think so.

24 Q. It certainly was not done, was it, to group together
25 merchants who are likely to pass on the MIF overcharge

- 1 at the same rate?
- 2 A. No, it was not done for that purpose, I agree.
- 3 Q. You can clearly end up with highly aggregated results,
4 can you not?
- 5 A. Well, by definition, the level of aggregation goes down
6 to 14 segments of the economy, albeit I also identify
7 a few cases where you can disaggregate more and focus on
8 the sub-sector level. So I have 18. But that is the
9 level of aggregation effectively that I have, 14 or 18,
10 if you allow for the subsectors.
- 11 Q. Now, we saw earlier that two Allianz entities were in
12 the same sector, even though they had very different
13 card usage rates. We saw that; correct?
- 14 A. Yes. Sorry, just to -- sorry, I think I explained the
15 relevance of the distinction in the card acceptance
16 rates because one mainly operated through re-sellers,
17 and one was doing the payments directly with its
18 customers, but I agree otherwise with the proposition.
- 19 Q. Your analysis ends up with, for example, in the
20 entertainment sector, Sony being teamed up, not
21 directly, with the Royal Opera House?
- 22 A. Yes. I am sure that for any given sector you can select
23 some claimants that you might say, hmm, are those
24 necessarily likely to be subject to the same pass-on
25 rate? I would accept that. I think that would broadly

1 be the case for any way of aggregating up to, you know,
2 a level of 14.

3 One solution to that is to say, no, we really need
4 the next layer, and that would be 80, for example,
5 categories, but the problem -- there are two problems
6 with that: (i) it would have massively increased the
7 amount of analysis required, but, (ii), and perhaps
8 suggesting maybe it would not have had that big of an
9 impact on the analysis, you would have gaps all over the
10 place in terms of where is the evidence that would
11 actually fill the 80 subsectors. We already have gaps,
12 even when we are trying to cover -- you know, all the
13 experts have broadly in the 10 to 14 range, and there
14 are significant gaps even at that level.

15 Q. So when Mr Economides elected to go with 67 subsectors,
16 that is obviously preferable to 14 on your analysis?

17 A. Well, I would disagree because it is completely
18 unimplementable. The only way in which it is
19 implementable is if you say, well, let us really focus
20 on 67, but since we only have evidence on nine, we are
21 going to use extrapolation to say that the nine somehow
22 must fit the rest of the, whatever, 58 --

23 Q. The difference is your Visa system uses extrapolation,
24 it is just you have no visibility about the basis upon
25 which that extrapolation takes place?

1 A. I agree to the extent that it is implicit in any
2 sectoral approach that once you identify the full set of
3 evidence for the sector, and if you are using it as
4 a default for the sector, it is a bit like extrapolating
5 the result to the rest of the sector, I agree. But in
6 my view that it is very different, when there is
7 a sector, to do the extrapolation from the evidence for
8 the sector to other firms within it, compared to the
9 situation of Mr Economides, who is taking nine sectors
10 and then saying let us apply them to the other 58.

11 Q. But Mr Economides has explained his approach, and
12 explained the pricing strategies and other factors that
13 have driven the extrapolation process.

14 A. Yes, I --

15 Q. (Overspeaking) -- with you, is simply on the diktat of
16 what Visa chooses to put them into?

17 A. Well, my problem with Mr Economides' approach, with
18 respect, is that he has adopted a whole range of
19 criteria, only one of which is consistent with
20 underlying economic principles, which is the one which
21 relates to the nature of the cost as being linked to
22 output, i.e., the variable cost characteristic. In my
23 view, none of the other ones are recognised as being
24 underlying sector level demand and supply or
25 competition-based factors that could easily be

1 extrapolated.

2 PROFESSOR WATERSON: Could I ask, just as a matter of
3 interest, what happens with a company like, say,
4 Marks & Spencer, who has both a clothing side and a food
5 side?

6 A. Yes. Well, it would depend on whether you -- what you
7 could do, of course, is at a claimant level basis
8 say: look, it looks like there are two sectors that are
9 relevant and they are 60/40. Let us use 60% of that
10 sector and 40% of that sector and say that broadly it
11 averages out in that way.

12 PROFESSOR WATERSON: Right.

13 THE CHAIRMAN: Can I just ask about this internal document
14 or categorisation for Visa. Was that prepared for the
15 purposes of these proceedings, or was it something they
16 used for their own internal business purposes?

17 A. I think that a long-standing method of characterising
18 the different sectors and subsectors. I think the level
19 of disaggregation continues to get further broken down.
20 So there are 14 sectors, I think something on the order
21 of 80 at the next layer, but then I think even those can
22 be broken down into something like ... it might be 600,
23 very refined levels of descriptions of categories of
24 merchants as well.

25 So there are different layers or different degrees

1 of aggregation, but it is for their own actual business
2 purpose, not for the proceedings.

3 MR BEAL: On your extrapolation process, we end up, for
4 example, with a retailer like Marks & Spencer being
5 lumped together with pharmacies selling drugs under a
6 regulated NHS system, do we not?

7 A. Again, there may be some individual cases where you
8 might say really how similar are those conditions.
9 I think that is somewhat inevitable, given that all of
10 the experts are trying to balance the trade-off of
11 having a practical number of sectors against the
12 available evidence, at the same time as trying to come
13 up with something that broadly would not be having
14 a similar pass-on rate within the sector.

15 Obviously the main problem is that the main factors
16 that would distinguish a pass-on rate across sectors,
17 according to the general economic principles, would be
18 the things that we have talked about in the hot-tub:
19 demand shape, supply shape, competitive intensity and so
20 on. Those factors are generally unobservable, so it is
21 not really possible for -- to point to any of the
22 experts, myself included, and say: aha, they are the
23 ones who have properly captured the underlying economic
24 principles in the sectoral approach.

25 All of us have had to take a pragmatic decision, and

1 I am not actually critiquing particularly heavily the
2 pragmatic decisions that some of the other experts have
3 made, which perhaps made sense in the context of their
4 proceedings. For example, Mr Coombs had public evidence
5 across I think it was about 12 sectors, so he used that.
6 You know, I am not sort of disputing that that is an
7 alternative, but I would not suggest that any of the
8 experts, including Dr Trento and Mr Economides, have
9 identified a principles-based approach that would give
10 a preferable approach to sectorisation.

11 Q. Your pot is not blacker than my kettle on that basis, is
12 it?

13 A. A little bit. I think this is just a recognition that
14 we have as much evidence as we do. I am trying to use,
15 I would argue, the broader set of evidence compared to
16 some of other sectors, and even I am unable to point to
17 evidence from any of the three sources for even the 14
18 categories. I am missing two.

19 So if you start to then say, well, let us have 80 or
20 60, you are just going to have gaps all over the place.

21 Q. But you have objected, I think, to the suggestion that
22 the analysed claimants are not representative of
23 merchants within a given sector?

24 A. I think it is really important to distinguish what
25 I mean by that. Again, I am not saying that if you pick

1 Primark, and get a credible pass-on rate from Primark,
2 that it is inappropriate to take that as a useful input
3 to a pass-on rate for the fashion retail sector. I am
4 using it myself. My point is that the extrapolation and
5 assumed representativeness that some of the experts are
6 adopting goes far beyond that and says: well, let us now
7 look at what Primark says it does in terms of setting
8 policies and budgets and management incentives and, you
9 know, how it categorises costs in the accounts, and let
10 us assume that Primark now represents the entire fashion
11 retail market in those respects.

12 I do not think that it is the same thing at all.
13 One is saying, well, this is as best an estimate as we
14 have from a claimant for an empirical assessment of
15 a relevant proxy, in my case COGS. That is a good input
16 for a sectoral analysis.

17 Q. Could we look, please, at {RC-F/19/297}. This is your
18 eleventh report. It should be paragraph A99. You will
19 see here that you are using, are you not, the data of
20 one company in order to derive a calculation figure of
21 converting pass-on elasticities to pass-on rates?

22 A. In that case because, in order to convert a pass-on
23 elasticity to a pass-on rate, in some of the evidence in
24 need to identify an external data source. In other
25 evidence I do not need to do that, because the pass-on

1 rate is already given or the data is already in the same
2 source. That applies for the claimants.

3 In this case, the study I had did not give a pass-on
4 rate, so I had to estimate it with a gross margin, and
5 there was only one UK firm in the relevant sector with
6 a gross margin. I appreciate I would rather have more.
7 What I also did was look at whether it was sensitive in
8 general, in terms of gross margins within S&P, to look
9 at beyond UK, and generally it was not sensitive to
10 that.

11 Q. You have not looked at how the Visa sectors compare and
12 map with Mastercard sectors, have you?

13 A. No. I am instructed by Visa. I have focused on what
14 I think to be a representative set of sectors. I fully
15 appreciate that there may be a need for some consistency
16 assessment as to the sectors that Ms Webster has
17 identified based on Mastercard's approach, and how we
18 then treat individual claimants as falling within one or
19 the other, but I do not think that is necessarily going
20 to be that difficult a thing. I think there is quite
21 significant overlap for many of the sectors between us.

22 Q. Now, you must accept, I think, that Dr Trento and
23 Mr Economides have produced at least one analysed proxy
24 in the -- for every SSH claimant, and there are SSH
25 Claimants in each of Visa's 14 sectors?

1 A. I do not think they have got claimant analysed proxies
2 for all 14 sectors --

3 Q. No, they have produced a figure for every SSH claimant,
4 and in fact all of the Visa 14 sectors are covered,
5 either by an additional sector extrapolation or by
6 analysed claimant.

7 A. Oh, okay. Well, yes, obviously if you rely on the
8 extrapolation from the sectors where you have evidence
9 and say that they apply to the other 14, then you can
10 fill in gaps that way. Indeed, I have done that myself
11 by saying two of the gap sectors I have can be
12 approximated by a UK economy-wide one.

13 By the way, I would disagree that they have credible
14 evidence in relation to all of the willing claimants.
15 There are four of the nine -- sorry, 13, rather, four of
16 the 13, where in my view there is no -- the data
17 structure is such that no one can rely on the data, and
18 I think -- perhaps it is your point.

19 Q. You are saying no one can rely on it. People have
20 relied upon it, it is just that you do not agree with
21 their results.

22 A. Yes, I think that is fair. I have very strong reasons
23 to explain why I say one should not, as a matter of
24 principle, agree on -- sorry, put weight on this. For
25 example, pass-on of overheads by one of the companies

1 over an 18-month period, which is the data for period
2 used, is, in my view, an inappropriate data structure
3 with which to try and estimate this. Some of the others
4 have very little variation, and the results are
5 therefore extremely sensitive to that problem. The
6 overhead information is subject to various biases due to
7 aggregation and mixed effects and the fixed cost effect,
8 and the datasets are too short.

9 So basically they have tried to come up with
10 estimates for all the sectors but I disagree that one
11 can rely on them.

12 Q. Point 12: previous studies. Now, your approach to
13 previous empirical studies reaches a conclusion, does it
14 not, that the results are uneven across Visa's sectors?

15 A. Uneven in the sense that they are not uniform, agreed.

16 Q. Well, you do not have any effective coverage of the UK
17 or Irish hotel sectors, have you?

18 A. Oh, sorry, do you mean the coverage is uneven, i.e., it
19 is not complete across all the sectors, as opposed to
20 the level of pass-on estimates?

21 Q. You have given a pass-on estimate where you can, but
22 there are certain sectors where you cannot on the basis
23 of public studies?

24 A. That is right. So in some sectors I have not found
25 existing studies that cover the sector. That applies to

1 five of the 18 subsectors. There are 14 sectors but
2 I disaggregate a few of them. So I have 18, and of the
3 18 I have 13 where I have identified, in my view,
4 relevant previous --

5 Q. None of the studies deals with the MSC overcharge, does
6 it, the MIF overcharge into the MSC?

7 A. Well, the reason for that is that it would -- if they
8 had tried it, they probably would not have got too far
9 because of signal to noise ratio.

10 Q. You have landed on an overall conclusion of 89% as
11 a result of these studies, is that right?

12 A. I actually updated that to 88% on the basis of the
13 further studies that Ms Webster and Mr Coombs identify
14 that I felt were sort of helpful contributions as well.
15 So it is 88.

16 Q. That then feeds in as one of the three weighted average
17 percentages for the overall overcharge figure per
18 sector?

19 A. The 88 is an average across sectors for the previous
20 studies. I actually adopt the approach of looking
21 sector by sector across the three evidence sources in
22 order to get the relevant sectoral estimate, and then
23 I use a weighting to get the overall economy-wide
24 estimate. So it is not quite the case that I use the 88
25 to derive the economy-wide estimate. I do it on

1 a sector by sector basis.

2 Q. Can we look, please, in your eleventh report,
3 paragraph 294, subparagraph (d) {RC-F/19/113}.

4 A. Yes.

5 Q. At 294(d), you alight upon a figure for the retail goods
6 sector, saying:

7 "... exhibits a pass-on rate of 59%, though this is
8 based on a single study."

9 As I understand it, you disclaim it on that basis,
10 is that right? You then do not rely upon that because
11 it is only a single study?

12 A. I do not think that is correct, no. I am just saying
13 that is the -- I am describing how I have tried to take
14 estimates from a range of studies on a sector by sector
15 basis. I am saying that obviously if there is a plural
16 or multiple number of estimates, then you can either
17 discuss what weighting to apply, or whether you prefer
18 an average or a median, and I am providing the
19 information in that regard.

20 For the retail goods sector, if I have only found
21 one pass-on rate, one study, then obviously that means
22 the study is the average, is the median. That is all
23 I am saying.

24 Q. But did you calculate the 59% from this one study and
25 then use that as an average across that sector using

1 your trilogy of results?

2 A. I think so, yes, subject to ... Essentially, that is the
3 methodology I have adopted, yes.

4 Q. Could we look, please, at page 122 {RC-F/19/122},
5 paragraph 324. For the home improvement and supply
6 sector, you identified one peer-reviewed estimate as
7 well which you considered to be relevant?

8 A. Yes.

9 Q. So that is one study as well?

10 A. Yes.

11 Q. At page 235 of this document, please, we see a list of
12 the papers that you have taken into account. Is that
13 right?

14 A. Well, this I describe as the list of potentially
15 relevant studies. So this was sort of the long list
16 against which I applied some criteria.

17 Q. You accept that many of them look at the policy
18 implications for, for example, tax and excise duty on
19 alcohol and tobacco products?

20 A. Some of them do, yes.

21 Q. Can we then, please, look at page 115, paragraph 301.
22 You said earlier that you had been looking in the course
23 of this exercise at papers covering overhead costs as
24 well. In fact what we see, do we not, at paragraph 301,
25 is that you have been deliberately focusing mostly on

1 studies that look at variable costs?

2 A. I think it is fair to say that I have primarily looked
3 at studies that could be described as covering variable
4 costs, and the reason for that is my proxy definition is
5 industry-wide variable costs that meet a sufficient size
6 to be measurable.

7 Q. You have included labour costs in that analysis as
8 a variable cost industry-wide basis, etc?

9 A. I have used a degree of judgment to identify that in
10 some sectors, labour costs is likely to be more variable
11 than in other sectors, and therefore the pass-on rate
12 over labour costs could be of interest for a long-term
13 estimate of, at least in part, a variable cost.

14 Q. One of the studies that you have, I think, placed
15 reliance on in this context is the minimum wage study
16 from the Renkin paper {RC-J6/186/1}. If we can look at
17 page 1 to see the abstract and the title. Are you
18 familiar with this one?

19 A. Yes.

20 Q. It deals with pass-on of minimum wages in the US into
21 retail prices from supermarket scanner data?

22 A. Yes.

23 Q. At page 2, please {RC-J6/186/2}, right-hand column,
24 there is a paragraph that begins:

25 "Most closely related to our work ..."

1 It then refers to some other contemporaneous papers
2 that have looked at similar issues concerning the pass
3 through of minimum wage changes into prices, and we see
4 that very different outcomes have been seen on the basis
5 of the analysis; correct?

6 A. Yes, some of those referred to different levels.

7 Q. Could we then please look at page 13 {RC-J6/186/13}. We
8 see that in relation to the announcement of some of the
9 minimum wage legislation, this led to some firms jumping
10 the gun. Is that a fair analysis?

11 A. Well --

12 THE CHAIRMAN: What paragraph are you looking at?

13 MR BEAL: It is "Firms' Forward-Looking Pricing Decisions":

14 "One striking result from our baseline regressions
15 [left-hand column] is that grocery stores appear to
16 anticipate future cost increases by increasing their
17 prices as soon as the ... wage hike is announced
18 (i.e., [pre-implementation])."

19 Can you see that?

20 A. I see that, yes.

21 Q. So that obviously is not likely to be the case with
22 a MIF, is it, or a variable cost in the COGS?

23 A. I agree that if -- well, I mean, obviously it is
24 possible in the -- I am not speaking from a position of
25 describing actual evidence, but it is obviously possible

1 that if there is an announcement about any change in
2 costs, including, say, the IFR, then firms could start
3 to take that into account obviously from any point when
4 the policy is announced to any point after the actual
5 implementation of the policy.

6 I do not think it is that important for the long-run
7 because even if you sort of pre-act, where you are going
8 to end up will still, in my view, be over time
9 consistent with economic incentive. So the timing of
10 whether they pre-jump the gun, or do so with a lag, is
11 not of primary importance to my analysis.

12 Q. Page 16, please {RC-J6/186/16}. On the right-hand side,
13 we see that the results of some of the analysis are
14 taken into account -- sorry, if we start at the bottom
15 left-hand column, "Implied Cost Pass-Through Rates":

16 "Our estimate for pass-through based on our baseline
17 specification ... amounts to 2.026. This number may
18 seem large, but given the large standard errors on the
19 insignificant elasticity estimate at implementation, we
20 cannot reject the hypothesis that pass-through is equal
21 to 1 - the p value on this test is 0.485."

22 A. Yes.

23 Q. So what you end up with is the pass through ratios based
24 on estimates including division time are closer to and
25 also not significantly different from this one. So what

1 seems to have the happened is they got an initial answer
2 of 2.026, but they thought that was probably subject to
3 standard errors, and therefore they landed on a pass
4 through equal to 1. So they have halved the pass-on
5 analysis, have they not, to reflect the reality of
6 situation as they perceived it?

7 A. No. No, no. I am sorry, I do not think that is the
8 right interpretation here.

9 So they have identified an elasticity, and that is
10 the 2.026, and they are saying that might seem large,
11 but obviously it depends on what is the base of which
12 you would have to convert it into something that
13 actually relevant for a pass-on estimate. What they are
14 then doing, without actually saying what the pass-on
15 rate is, I think, is saying, well, the 0.026 when
16 converted leads to an answer which is positive but not
17 sufficiently close to 1 that if you were to test whether
18 it was statistically different from 1, you would not
19 reject the null that it is different from 1.

20 That is just saying that the estimate that they came
21 up with is less than 100%, or at least -- yes, I mean,
22 it could also be higher, in theory, but let us assume it
23 is less, and that the size of the gap, given the
24 standard errors they have, is sufficient to say, well,
25 we cannot rule out that it is not 100%. It could still

1 be 100%. They are not saying it is impossible for it to
2 be 100%, there is still quite a lot of standard error
3 there which leads you to some uncertainty, but they
4 cannot be confident that it is necessarily 100%.

5 They then go on to say there are some other pass-on
6 ratios which are closer to and also not significantly
7 different from 1. So they are saying that here are some
8 other pass-on estimates from the study and those ones
9 are sufficiently close to 1 that the previous comment
10 would not apply. These ones are close to 1, even taking
11 into account the standard errors.

12 Q. If we then look at the top of page 17,
13 please{RC-J6/186/17}, under the row headed B, if we can
14 drill in on that. Under the table, table 5, section B
15 of table 5 at the top of page 17. Thank you.

16 A. Table 5.

17 Q. Table 5, yes, top of that page. There is an implied
18 cost pass through, can you see that?

19 A. Yes.

20 Q. We see a figure for the baseline, under B, of 0.968.
21 Can you see that?

22 A. Yes, I do.

23 Q. Then when they take into account chain-time fixed
24 effects, that gets reduced to 0.516?

25 A. Implied cost through for chain-time fixed effects, yes.

1 Yes, I see that point, that they have obviously come up
2 with some different sensitivities to the analysis.

3 Q. They have re-specified the analysis and it has led to
4 a halving of the predicted pass-on rate, has it not?

5 A. Yes, that is correct on that particular example, yes.

6 Q. Now, the studies do not all speak with one voice either,
7 do they?

8 A. No. Some of them measure different products.

9 Q. Even within the simple exercise of looking at the impact
10 of changes in excise duty on prices for beer, Bergman
11 and Lynggard - this is {RC-J6/33/1} -- found that excise
12 duty increases led to overshifting for prices for beer
13 but undershifting for spirits. It is in the abstract.

14 A. Yes.

15 Q. In contrast, the abstract is on page 2 {RC-J6/33/2}, so
16 we can familiarise ourselves with it. This is obviously
17 not a key part of my case so I am not going to dwell on
18 it.

19 If we then please look at Ally et al {RC-J6/10/1}.
20 They found the exact opposite, undershifting for beer
21 and overshifting for liquor, as they call it?

22 A. Yes.

23 Q. So even within the same sector looking at the same tax,
24 you can get very different results?

25 A. I would agree with that. I think that is inevitable,

1 given the different datasets or methodologies that
2 different researchers will have access to. What I have
3 done is to say: look, all of these studies are attempts
4 to understand the rate of pass-on in a sector, looking
5 at each one individually, with an independent estimate
6 based on a particular data and methodology combination.

7 I am not -- other than applying some relevance and
8 quality criteria around, you know, the peer review
9 process, and some criteria around the use of
10 a recognised econometric tool, and a number of other
11 relevant criteria, I am not then saying: well, you know,
12 this author is right and that author is wrong; I am just
13 saying: look, here are some independent estimates of
14 what we are looking for, which is, for the food and
15 beverage sector, different approaches to this which, if
16 you take them all in the round, provide an average of
17 however much it is.

18 Q. Please can we go to {RC-J6/91/1}. I hope we all bring
19 up a study by ... that is obviously not the right one.
20 No, that is not the right one either.

21 Sorry, I think that should be {RC-J1.6/91/1}. That
22 is the one. Or is it? I am looking for the ...

23 THE CHAIRMAN: That is at tab 91, yes.

24 MR BEAL: That the one, tab 91. This is a paper by

25 Ioannidis et al, 2017. You see in the abstract at the

1 top, if we can magnify that, please, they are
2 investigating some dimensions of the credibility of
3 empirical economics research, together with statistical
4 power and bias. They are concerned that empirical
5 economics literature produces results that are
6 exaggerated typically by a factor of 2 and with
7 one-third inflated by a factor of 4 or more.

8 If we could then please go to page 6 {RC-J1.6/91/6},
9 they identify publication and reporting biases. Can you
10 see that?

11 A. Yes.

12 Q. At page 18 {RC-J1.6/91/18}, the conclusion that they
13 reach is that the survey of 159 meta analyses of
14 economics reveals empirical economics research is often
15 greatly underpowered.

16 "Regardless of how 'true' effect is estimated,
17 typical statistical power is no more than 18% ..."

18 Et cetera.

19 It then says that the bias that results is that
20 there is a culture of academic articles leading to
21 effectively inaccurate statistical conclusions. Is that
22 fair?

23 A. Yes. Obviously that is their conclusion. I do not know
24 what base of articles they have looked at. I have not
25 tried to make any adjustment for the so-called

1 possibility of publication bias within the estimates
2 I have looked at. I am not aware of any study that
3 claims to have identified publication bias in the field
4 of economic literature focusing on pass-on rates.

5 Although I do not think I have specific evidence to
6 suggest this, I offer a couple of observations. I think
7 publication bias is often described as something where
8 an article may not have a chance of getting published
9 unless they show a significantly -- sorry,
10 a statistically significant result, and if they do not,
11 then no one is going to be interested.

12 In my view, that is not particularly pertinent to
13 the pass-on literature because -- for a number of
14 reasons. One, I am really focusing on the empirical
15 evidence, and I am not trying to focus on whether there
16 is a statistical relationship that meets the different
17 from zero test, I am looking at the average empirical
18 level that is found. In that regard, it does not seem
19 to me, given that the economic theory suggests quite
20 a wide plausible range, that there would be any reason
21 for a journal to reject a study that had a pass-on rate
22 of any level compared to any other level, and indeed
23 I do have a range of levels within my studies.

24 So there is obviously no sort of bias in the sense
25 that, well, you must show a statistically significant

1 estimate of at least 80% otherwise it is not going to be
2 published, there are lots of the studies I have used
3 that are below.

4 Q. You have produced studies that have a range of outcomes,
5 and then you have aggregated them by treating them all
6 as equally valid, have you not?

7 A. I have taken a simple average for the studies within
8 each sector.

9 Q. You have counted each study as a separate element in the
10 calculation of the average, whereas for the analysed
11 claimants you have taken only one estimate for each of
12 them?

13 A. So I have done that in one approach, and in the other
14 approach I have taken the average across the full set of
15 studies as a single estimate, and therefore attached
16 equal weight to the claimant evidence and the entirety
17 of the existing study evidence as a whole.

18 So, to be clear, I have looked at two different
19 weighting approaches. One does put more weight on
20 individual estimates from existing studies, if there are
21 multiple existing studies. The other does not.

22 Q. Can I move on to public data analysis.

23 A. Sorry, can I just briefly comment. That difference in
24 approach does not actually have much material impact,
25 the reason being that whether I put more weight on the

1 individual studies, or group them together and attach
2 only a single weight to them, the results are
3 sufficiently clustered as a group within a general range
4 of between 60 and 100 that even at the sectoral rate,
5 that difference in averaging does not have very
6 significant effects. So I do not think it is a big
7 factor, in my analysis.

8 Q. Now, the second of the three sources you use is public
9 data analysis, and you recognise there is a high degree
10 of imprecision from your analysis of public data;
11 correct?

12 A. Yes.

13 Q. Now --

14 A. At least in -- yes, generally I make that comment. The
15 degree of imprecision obviously varies from the
16 individual cases to case.

17 Q. Now, could we look, please, at your second -- volume 2
18 of your twelfth report {RC-G/18/96}, paragraph 307.
19 We have to be careful here because there is some
20 confidential material.

21 A. Understood.

22 Q. But you have identified a criticism of relying upon this
23 shop's data by reference to what you say is a limited
24 number of observation periods. Is that a fair summary
25 of what you are saying there?

- 1 A. Yes.
- 2 Q. Limited number of data points. But if we can look,
3 please, at {RC-F/19/274}, which should be your eleventh
4 report, table A4.9, obviously in this section of your
5 report you go through a number of different sectors.
6 But if we look at that table, about six or seven lines
7 down in terms of text there is a reference to
8 "Observations", can you see that?
- 9 A. Yes.
- 10 Q. Those observations vary between 42 and 57?
- 11 A. Yes.
- 12 Q. If we could then go, please, within this document, to
13 page 283 {RC-F/19/283}, table A4.17, again
14 "Observations" there?
- 15 A. Yes.
- 16 Q. Ranging from 37 to 48?
- 17 A. Yes. Can I comment on that?
- 18 Q. Well, there seems to be an inconsistency between your
19 critique of a limited number of data points for the shop
20 and your approach to the public studies -- public data
21 analysis.
- 22 A. Okay. I agree that the number was higher in the first
23 case, and I will not say what the number was or who it
24 was for, but it is not a comparable number. You cannot
25 compare the number of observations for aggregate monthly

1 overheads as a sufficient basis to identify the relevant
2 pass-on of overheads to the 48, for example, overhead --
3 sorry, the 48 observations relating to my public data.
4 The reason for that is the public data hones in on
5 quarter on quarter differences in price and cost, and
6 then I control for demand.

7 The overhead data, as I have explained on a number
8 of occasions, is a monthly average of all expenditure
9 or, sorry, a monthly total of all expenditure, according
10 to some categories, and therefore it is suffering from
11 lumpiness, a mix effect when you compare it against
12 disaggregated prices. It suffers from the fact that you
13 have a unit aggregation bias, which, just to remind the
14 Tribunal, is the fact that it is a total expenditure,
15 and you do not know whether it is going for scale, going
16 up because they have made some decisions to invest in
17 some new technology that going to save costs, or is it
18 actually what we care about, which is upward pressure on
19 the unit prices. So in my view, the -- and the fact
20 that much of the overheads are of course fixed, where
21 you have a much more difficult --

22 Q. Just pausing --

23 A. -- time to look at it.

24 Q. -- there. When you say "much", what is your empirical
25 basis for saying "much of the overheads"?

- 1 A. It goes back to what we talked about before, the --
- 2 Q. So you are not making an empirical point, it is just
- 3 within the semi-fixed/semi-variable category --
- 4 A. Yes.
- 5 Q. -- there will be a mix, unpredictable mix of --
- 6 A. We can see that together the fixed and the semi-fixed
- 7 are in general anywhere -- I cannot remember the precise
- 8 numbers, but let us say that they are high. I think
- 9 your point is that quite a bit of it is semi-fixed and
- 10 therefore it is not entirely fixed, and I agree, but
- 11 even semi-fixed variables lead to an aggregate unit
- 12 bias, because when you divide a semi-fixed variable by
- 13 a unit of output, at least part of the variation is due
- 14 to the artificial variation of splitting the fixed cost,
- 15 which is not relevant to upward pressure on pricing.
- 16 Q. At face value, quarterly figures are going to be more
- 17 aggregated than monthly figures, but I assume your
- 18 response to that is, well, the data is different?
- 19 Because you have said your public data is aggregated on
- 20 a quarterly basis, so at face value ...
- 21 A. That is not really an aggregation, that just saying --
- 22 unless you want to say it is the average price change
- 23 from one-quarter to the other, I -- the critical
- 24 aggregation issue is aggregation across products or
- 25 types of products and things like that. That is the

1 type of aggregation issue that you have in the claimant
2 data. The public data already addresses that by
3 constructing by design a price change controlling for
4 mix effects. So you do not have any of these
5 aggregation problems.

6 The use of quarterly versus monthly data is not
7 a big deal. Mr Coombs uses monthly data, I use
8 quarterly data. It obviously captures the same
9 information with a slight degree of within quarter
10 variation for the monthly stuff, which I do not think is
11 particularly interesting because I am not really saying
12 that pass-on is likely to happen more in month three
13 than month four. I am just saying that, you know, you
14 have to look up to a year, and the quarterly data gives
15 you scope to do that.

16 PROFESSOR WATERSON: Could I just ask about this table --
17 sorry, I am interested in this table. I appreciate
18 time, but ...

19 So these are three alternative specifications for
20 the same dataset, is that right?

21 A. Yes, yes, that is right. That is right -- well, sorry,
22 there is a slight -- yes, that is true, because the
23 slight -- there is a slight variation.

24 So my sensitivities to the public data in general
25 are -- and it depends on whether it is a differenced

1 case, i.e., the first difference is quarter 2 minus
2 quarter 1, which is most of them. Because the baseline
3 includes the Covid period for the reasons I described in
4 the hot tub, I then do a sensitivity where I take the
5 Covid period out.

6 Then I also have as a baseline: focus on the
7 claimant, period. But then I have a sensitivity in some
8 cases, if there is earlier data, what that would do.

9 My third sensitivity in general is to say, well,
10 I have got what I think is the most appropriate way to
11 control for demand, but there is an alternative, for
12 example, household expenditure, what happens if you use
13 that instead? I have a good reason why I do not think
14 that is an equally good alternative, I think it is
15 a materially worse alternative, but I look at it in any
16 event.

17 PROFESSOR WATERSON: But just to focus on the table. If we
18 look at the first column, let us say --

19 A. Sorry, could I just have the full page so that I can see
20 the whole thing? What page are we on, please?

21 MR BEAL: It was 283.

22 THE CHAIRMAN: Let us start on 282.

23 {RC-F/19/282}

24 A. Thank you. I cannot really comment without looking to
25 see the top table.

1 Okay, so this is for legal and accounting services.

2 PROFESSOR WATERSON: Yes.

3 A. The top of the page shows the key variable cost index
4 that I used, which is AWE Professional, Scientific and
5 Technical Activities. So that essentially my COGS
6 proxy. But this being a professional services-type
7 approach, I am saying that the people costs are a
8 relevant variable.

9 PROFESSOR WATERSON: I appreciate that.

10 A. Then I have lags. Your question, I guess, is what is
11 happening in the three columns? Well, the three
12 columns --

13 PROFESSOR WATERSON: No, my question was not that actually.

14 A. Sorry.

15 PROFESSOR WATERSON: It was if we take the first column, for
16 example, presumably when there are no asterisks, that
17 means the figure is not significantly different from
18 zero?

19 A. Yes.

20 PROFESSOR WATERSON: So it is not significantly different
21 for the first variable, AWE?

22 A. Yes.

23 PROFESSOR WATERSON: Nor for lag 1?

24 A. Yes.

25 PROFESSOR WATERSON: If we carry on to the next page.

1 {RC-F/19/283}

2 A. Nor for lag 3.

3 PROFESSOR WATERSON: Nor for lag 2 and nor for lag 3?

4 A. Correct.

5 PROFESSOR WATERSON: But yet there is an overall reasonable
6 fit of -- an R-squared of 0.45?

7 A. Yes. Sorry, that is the pass-on -- sorry, you are
8 right. The R-squared happens to be 0.45 and the pass-on
9 elasticity is also 0.45.

10 PROFESSOR WATERSON: No, I am not querying that either.

11 So the pass-on elasticity, is it the sum of those
12 three numbers?

13 A. Yes, and just to be clear, as I have explained in my
14 report, I have not put weight on the individual
15 statistical significance of the individual lagged
16 parameters, because I consider that they are likely
17 subject to a degree of correlation; in other words,
18 there is not enough information, I would suggest, in
19 a 48 observation model, to accurately really hone in on
20 which of the quarters is really the driver of the
21 pass-on, and therefore I grouped them together and
22 I carried out a joint significance test against the
23 total.

24 PROFESSOR WATERSON: So the pass-on elasticity is therefore
25 subject to significant error, but you do not actually

1 report the error -- the 95% confidence interval?

2 A. I report the pass-on rate standard error, that is 35, so
3 that is comparable to the pass-on rate. So, in short,
4 the confidence involved could be 93 plus and minus two
5 times 35, approximately.

6 PROFESSOR WATERSON: Right, okay, yes. But then the
7 price-cost ratio presumably is also potentially subject
8 to error, is it?

9 A. Yes, yes. As I have acknowledged, in the cases where
10 I have had to estimate a pass-on elasticity you then
11 need a conversion rate, and I have explained what I have
12 used, it is the S&P, although in this case, because it
13 is a labour index, I used the ONS input/output tables to
14 derive the appropriate price-cost ratio.

15 PROFESSOR WATERSON: Yes, thank you. I am just trying to
16 understand what is going on here.

17 I am sorry if I --

18 MR BEAL: You foreshadowed some of my questions that I am
19 probably sensibly going to leave to tomorrow morning
20 when they will make more sense to me than they do at the
21 moment.

22 THE CHAIRMAN: You are not going to finish this topic
23 tonight?

24 MR BEAL: No. In terms of how we are doing, I have made
25 reasonable progress today. With a fair wind, I will

1 finish tomorrow lunchtime. I may need to go very
2 shortly into the afternoon, but it will be very short,
3 still within -- under allocation.

4 THE CHAIRMAN: We do have to finish with Mr Holt tomorrow
5 afternoon.

6 MR BEAL: I will prune overnight.

7 THE CHAIRMAN: Do we want to start earlier tomorrow to
8 ensure that that happens?

9 MR BEAL: Well, that would ensure it happens, so I would be
10 very grateful if you would not mind starting at
11 10 o'clock.

12 THE CHAIRMAN: We will start 10 o'clock.

13 MR BEAL: I will get the scissors out at my end.

14 THE CHAIRMAN: I am sure you would prefer to be finished
15 before the weekend.

16 THE WITNESS: I think that is fair.

17 PROFESSOR WATERSON: That a good short answer.

18 THE CHAIRMAN: 10 o'clock tomorrow then.

19 (4.40 pm)

20 (The hearing adjourned until 10.00 am
21 on Friday, 29 November 2024)

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