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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)

Tuesday, 26 November 2024

(10.30 am)

In open court

MR VASSILIS ECONOMIDES (continued)

MR STEFANO TRENTO (continued)

MR JUSTIN COOMBS (continued)

MR DEREK HOLT (continued)

MS RACHEL WEBSTER (continued)

MR GREG HARMAN (continued)

Questions by THE TRIBUNAL (continued)

THE CHAIRMAN: Good morning, everyone.

You had your hand up, Mr Holt.

MR HOLT: Yes. Sorry, I did not want to sort of disrupt the proceedings, but (inaudible) yesterday at 4.25, and there is a brief remark I need to make regarding a correction/clarification regarding what Dr Trento was conveying about how I had put forward my discussion of the Hilton case. It will only take a minute, if that would be convenient?

THE CHAIRMAN: Yes.

MR HOLT: So I think the first point is a very quick one.

Thank you to Dr Trento for correcting me in relation to the time period of the transaction data for Hilton, it was of course five years, not three, and that was not a material consideration in relation to my selection of

1 the relative approaches, albeit of course five years of
2 data at a monthly aggregate level I think is a short
3 period of time to assess cost pass-on, but that is not,
4 I think, the most significant issue.

5 The thing I wanted to clarify is that in Dr Trento's
6 remarks, he, I think, conveyed, perhaps based on what
7 I had said, that I put very little weight on the
8 granularity of the transaction data for Hilton, and
9 I just wanted to clarify to the Tribunal, and indeed to
10 Dr Trento, that if that is what I conveyed that was
11 unintentional.

12 I agree, and indeed have used, granular data in all
13 of the other claimant data where available, and my view
14 is that there really is an important trade-off in the
15 context of Hilton reflecting that you have different
16 levels of aggregation.

17 So, in sum, I agree with Dr Trento that granularity
18 can be of assistance in identifying more precisely the
19 relationships between prices and other variables, but
20 that in the context of the Hilton data, with the
21 aggregation of the costs, there are a number of concerns
22 with that; unit aggregation bias, the mixed effect
23 problem, and indeed the fact that some of these costs
24 are partly fixed.

25 So in my view, all of these are downward bias

1 effects, and I accept that in my analysis that is also
2 affected to some extent by downward bias for some of
3 those reasons, but I also accept there could be a mix
4 effect that, although it is unclear, could go the other
5 way.

6 So it is really just that context I wanted to
7 clarify.

8 PROFESSOR WATERSON: Thank you.

9 So I wanted to continue with a number of econometric
10 issues, or broadly econometric issues.

11 As I said yesterday, and as I think you agreed,
12 broadly speaking, P is being regressed on C, just at
13 a very broad level, so then a question comes, well,
14 obviously there are other things that are going on and
15 a question of what controls you think are relevant.

16 Maybe we will start with Ms Webster talking about
17 what she has done in terms of control.

18 MS WEBSTER: Okay, thank you.

19 So if I start with my analysis of public data.

20 PROFESSOR WATERSON: Yes.

21 MS WEBSTER: The approach that I have taken is to look at
22 a number of alternative specifications, some of which
23 have no controls, some of which have a time trend as
24 a control but no other controls, some of which have
25 a time trend plus a Covid dummy, and then some of which

1 have all of those and then some additional controls,
2 such as a dummy to reflect the change in VAT in 2008.

3 My overarching comment would be that I do not
4 necessarily think that the controls I have included are
5 particularly good controls. The purpose really of
6 including them is to understand the impact of their
7 inclusion on the results that I get for the coefficient
8 on the cost measure that I am seeking to measure the
9 pass-on of.

10 What I find is that the results that I get are
11 highly sensitive to the inclusion of those controls, and
12 whether that is the time trend, or whether it is time
13 trend and other controls, there is a large variation in
14 the results that I get, and that is telling me something
15 about the stability of my results and the certainty of
16 them, if you like.

17 So I think the fact that I get quite unstable
18 results suggests to me that there is quite a lot of
19 uncertainty in my ability to reliably estimate pass-on.

20 PROFESSOR WATERSON: Thank you. Is that a particular issue
21 in the public data or in other work you have done as
22 well?

23 MS WEBSTER: I think it also affects the merchant data too,
24 but to a lesser degree. I think it is more marked in
25 the public data.

1 PROFESSOR WATERSON: Thank you.

2 Mr Holt.

3 MR HOLT: Yes, so briefly to cover the public data and then
4 the claimant data respectively.

5 So in my public data analysis, I have recognised
6 that in addition to the variables of interest, which
7 are, in my case, a combination of either COGS and/or
8 wage rate changes, that other factors potentially could
9 affect price as well, and so I have tried to control for
10 that through, in particular, demand. Changes in demand
11 could be the most likely effect that would affect prices
12 beyond those cost changes, in my view.

13 The way I have done that, which is a standard
14 approach, is through the combination of a time dummy and
15 a set of seasonal dummies as well. So that controls
16 separately for any overtime change in demand, as well as
17 any within-year seasonality patterns.

18 I also looked at some sensitivities in relation to
19 different specifications, including the use of household
20 expenditure, but I do have a comment in relation to that
21 as an alternative. I put -- I really do not put weight
22 on that particular alternative, although it actually,
23 I think, in some cases, leads to an increase in my -- in
24 the public data estimates of cost pass-on, because I am
25 concerned that household expenditure interacts heavily

1 with the Covid period, because obviously household
2 expenditure really varied a lot during that period, both
3 down and then back up, so there was a huge amount of
4 variation.

5 PROFESSOR WATERSON: Also across sectors.

6 MR HOLT: Potentially across sectors, yes, but not in a way
7 that I would suggest is linked to the normal fundamental
8 relationships between demand and supply in the economy.
9 It was essentially the artificial shutdown of large
10 parts of the economy that drove that, so I find that to
11 be artificial and therefore I have not put much weight
12 on it.

13 So the claimant data, which is different in the
14 sense that because it is in general disaggregated, and
15 therefore I can use the panel-based approach, I have
16 different controls, which I would accept are richer in
17 terms of dealing with demand. The way I deal with that
18 is through time-fixed effects. I appreciate that that
19 might not be a terminology the Tribunal may have come
20 across too much, but essentially what that allows for is
21 any time-varying impact on prices through, for example,
22 changes in demand, and in a panel setting it is possible
23 to do that in a way that is flexible, indeed more
24 flexible than can be done in the time series approach.

25 In other words, if there are any particular patterns

1 to demand, such as, you know, increase and then
2 decrease, or the impact of Covid and so on, then this
3 approach, in my view, is a very flexible and useful way
4 to deal with that.

5 Furthermore, I have had controls to reflect product
6 fixed effects for the majority of the cases. The idea
7 there is, I think, going back to yesterday's discussion,
8 that helps to ensure that the pass-on estimate is
9 focusing primarily on time variation of changes in
10 product level costs, variable costs, rather than
11 cross-sectional variation between sometimes very many
12 products that might be in the panel.

13 I did say there is an exception to that. So, for
14 instance, for Primark, there was insufficient variation
15 at the product level to offer a reliable approach, in my
16 view, so my product fixed effect went up one layer in
17 order to allow for some cross-sectional variation at
18 that level. In my view, that is the appropriate
19 trade-off or balance to take because (a), as already
20 said, there was not sufficient variation at the product
21 level, and (b) because the product subsection level,
22 which I adopt, still includes, in my view, very, very
23 similar products. So, for example, it would be
24 long-sleeved formal shirts or something like that, which
25 I think is sufficiently similar to allow a useful

1 comparison of prices and costs.

2 PROFESSOR WATERSON: Thank you. So would you reflect the
3 same comment that Ms Webster said, which was the
4 estimates, particularly on the public data, move around
5 a lot?

6 MR HOLT: Yes, that is a fair comment, and I have also
7 accepted that, and sort of written in my reports that,
8 it is quite clear that my public data results are more
9 imprecise and that the sensitivities do have a greater
10 impact relative to the central estimate of my baseline
11 than would be the case, for instance, in the claimant
12 data. I think that reflects the different data
13 structures.

14 It also reflects, actually, my modelling choice to
15 use the first differences approach because, as a general
16 statement, first differences models are noisier because
17 they are not capturing the changes in the level over
18 time as part of the model.

19 So I am not surprised, frankly, that the first
20 differences approach leads to somewhat noisier
21 estimates, less precise estimates.

22 PROFESSOR WATERSON: So just to check, this is first
23 differences, quarter minus previous quarter, not this
24 quarter this year, minus this quarter last year?

25 MR HOLT: No, it is Q2 minus Q1.

1 PROFESSOR WATERSON: Right, okay.

2 MR HOLT: Again, just to remind Tribunal, the purpose of
3 that is to allow the pass-on to not necessarily be fully
4 contemporaneous, i.e. it all has to happen within the
5 quarter, but to allow it to take place over up to
6 a year.

7 PROFESSOR WATERSON: Thank you.

8 Mr Coombs, I think you mainly worked with public
9 data or your main focus was public data?

10 MR COOMBS: Well, in practice I have used both, so where
11 public data was available I used public data, but in
12 situations where the public data was not available, or
13 the public data seemed to me to be unreliable, then
14 I used the merchant data instead. So maybe if I just go
15 through each of the two.

16 So in the case of the public data, I tested various
17 different control variables, so a time trend, a dummy to
18 account for the financial crisis, which occurs in the
19 middle of the period that my data covers; monthly
20 dummies, so essentially trying to strip out seasonal
21 effects that you see in a lot of these sectors, you
22 know, seasonal sales, things like that; some specific
23 dummies to deal with some particular outliers and
24 events.

25 What I do not do in the public data is I do not have

1 a dummy for the Covid period, so I simply exclude the
2 Covid period. So my data all stops in 2019 and, because
3 my data starts in the 1990s or in 2000, that gives me
4 enough observations without having to include the Covid
5 period, so I just exclude the Covid period completely
6 from the public data.

7 If I just comment on this issue that Ms Webster has
8 raised, where I disagree with the way that she
9 interprets what is going on here.

10 So what I have done is I have looked at different
11 specifications of the model, should you include some of
12 these control variables, and I tested whether they
13 should be included. So, you know, is the variable -- is
14 the control variable statistically significant, does
15 including it produce economically sensible results, and
16 I then determined, well, is that a specification that is
17 robust and reliable or is it not?

18 I have then done what I think is the standard
19 approach, which is you start with a large set of
20 controls and then you gradually work down to what we
21 call a parsimonious model, a model that includes the
22 controls you need, but excludes the ones that make no
23 sense or are not appropriate, and then relied on those
24 results.

25 Now, the fact that the approaches I have rejected

1 produce different results, I do not think that really
2 tells you anything about the reliability of the results
3 I am actually using, because I have tested down to
4 a model that I consider to be the reliable approach and
5 the reliable model.

6 So that is what I have done with the public data.

7 With the merchant data, there, the same as Mr Holt
8 was explaining, I have a panel data. So I have included
9 the product fixed effects, which I explained yesterday,
10 or tried to explain. Hopefully I got across what that
11 is and what that means. So essentially I am just
12 capturing the variation over time, not across the
13 different products.

14 I have included -- I have tested including demand
15 controls, although in fact there is only one merchant
16 where I actually found that they were necessary and kept
17 them in my base model.

18 The other key point is that for the merchant data it
19 is a much shorter and later period. So the data covers
20 the Covid period. So there I have checked to see
21 whether it is possible to exclude the Covid period or
22 whether it is better to include the Covid period with
23 a control for the Covid period, and sometimes I exclude
24 the Covid period, sometimes I include it, depending on
25 which seems to be more robust approach to dealing with

1 Covid.

2 PROFESSOR WATERSON: Presumably the dataset is quite small
3 once you have excluded it?

4 MR COOMBS: Indeed, yes. So that is the issue, and that is
5 why in many cases I include the Covid period with
6 a control.

7 Yes, so I think that is summarises what I have done.

8 PROFESSOR WATERSON: Thank you.

9 Dr Trento.

10 MR TRENTO: Yes, thank you.

11 I have done claimant data analysis, but I also have
12 comments on public data analysis, if I may.

13 On public data analysis, I think we -- there are
14 many issues with the analysis. One of the issues is
15 that you cannot control for all of the costs that affect
16 prices because, for instance, if a supermarket buys
17 French wine and then resells French wine, that goes into
18 the CPI but it does not go into the PPI, and therefore
19 there is a mismatch between the measure of costs and the
20 measure of prices.

21 There is another issue with the CPI/PPI which is
22 they are not designed to have a one-to-one
23 correspondence, so there are some products that are in
24 the CPI and not in the PPI and vice versa. So, for
25 instance, when one analyses the price of food -- sorry,

1 pet stores, then in the CPI you have many products, so
2 those include pet foods, but it also includes small
3 pets, it includes cages, it includes kennels, it
4 includes booster injections and all these products, and
5 then when you look at the PPI, it is only pet foods
6 really. So there is a mismatch in there which is you
7 cannot control for all of the costs that affect prices.

8 Now, to the extent that the costs that we are
9 controlling for are correlated with the costs that you
10 cannot include in the analysis, that will lead to
11 a measurement error. So that is a first avenue for
12 bias.

13 There is another problem which I think may be even
14 bigger, which is in many of these models -- I agree with
15 the models, for instance, that Mr Coombs and Ms Webster
16 have used, which is an error correction model. The
17 error correction model is a good model to analyse the
18 relationship between two variables over time, so price
19 and cost, but it is a model that does not allow you to
20 control for other things, like demand, for instance.

21 Now, that creates an admitted variable bias which
22 means the following, that you are attributing to costs
23 changes in prices that are actually due to something
24 else, so in this case demand. Because imagine you have
25 wages, and then wages affect prices in two ways. One

1 way is that they affect the cost of the firm, and, to
2 the extent that they are passed on, that is a pass-on
3 mechanism, but they also affect the purchasing power of
4 families, and therefore the higher the wage, the more
5 people can buy, or the more willing they are -- they are
6 more willing to pay higher prices, and therefore that is
7 another effect on prices, but it is not a pass-on
8 effect.

9 Now, if you look (inaudible) control for the second
10 effect, which is a demand effect, then you will
11 attribute any change of wages to a pass-on mechanism,
12 but that is not correct.

13 PROFESSOR WATERSON: So an example would be an increase in
14 the minimum wage?

15 MR TRENTO: That would be an example, yes, I agree with
16 that.

17 Then, yes, there are other issues, I think. The
18 last one is maybe simultaneity bias, which is when you
19 look very high level aggregate price indexes, you are
20 looking at CPI and PPI, what is PPI? PPI is the
21 wholesale price the manufacturers set. But
22 manufacturers, there is evidence that they set their
23 prices with an eye on inflation, and inflation is CPI.
24 Therefore there may be a causality that actually goes
25 from CPI to PPI which is not pass-on, but it is

1 a correlation, and if you are not able to control for
2 that, and the way to control for that would be to use
3 instrumental variables, then you will attribute to
4 pass-on an effect that is not actually pass-on.

5 PROFESSOR WATERSON: I am going to come back to that last
6 issue in a short while, otherwise, people may want to
7 comment on that, but we will come back to it.

8 MR TRENTO: Yes.

9 PROFESSOR WATERSON: Thank you.

10 So the --

11 THE CHAIRMAN: Did you want to say something about claimant
12 data?

13 MR TRENTO: Yes, maybe very quickly.

14 PROFESSOR WATERSON: Yes.

15 MR TRENTO: Sorry, just very quickly, because this is the
16 analysis I have done.

17 With the claimant data, I think the principle is
18 that we include or we try to include all of the factors
19 that we know from witness evidence and qualitative
20 evidence are relevant for pricing, and that has been
21 possible for many factors due to the availability of
22 very granular data. We have tried to control for the
23 effects on demand on prices for those sectors for which
24 Covid is particularly problematic, we have included
25 a control for Covid, and we have done a large number of

1 sensitivity analyses, which means we have changed the
2 model.

3 So we have -- I will not go into the details, but we
4 have modelling logs and modelling (inaudible). We have
5 a model that allows for different timelines for overhead
6 costs to affect prices. We have a different way of
7 treating overhead costs. Then we change -- maybe we add
8 a variable that maybe is not in the baseline model, we
9 see whether it changes the results, or we take out
10 another variable or we change it.

11 So we did a large number of sensitivity analyses, in
12 some cases up to more than 70 sensitivity analyses. So
13 that is, yes, what we have done with the claimants'
14 data.

15 PROFESSOR WATERSON: Thank you. That is very useful.

16 So focusing for the moment then on -- sorry,
17 Ms Webster.

18 MS WEBSTER: May I just come back on the comments made by
19 Mr Coombs, just briefly.

20 There was one particular comment that I wanted to
21 follow up on, which is the idea that because when one
22 includes these controls in the model, one then sees
23 a coefficient on that control, which is not
24 statistically significant, or it is of an odd sign, my
25 view is it is still not right to think that the model

1 without the control can be preferred.

2 The reason for that, just to give one example, would
3 be if there was a correlation between the control that
4 is being introduced and the cost measure. Let us say
5 those two things are correlated, and also they both
6 affect price, what is happening then in the model is the
7 model is struggling to distinguish which is having an
8 effect on price, and it may then result in a coefficient
9 on the control that is not statistically significant,
10 which is why sort of, from my perspective, you are
11 damned if you do and damned if you do not. If you put
12 it in, it may cause a problem because of the correlation
13 between the control and the variable of interest, but if
14 you leave it out, there may be admitted variable bias.

15 So really the approach that I have taken is not to
16 try to get to this preferred model, but more to
17 understand the stability of the result.

18 If, in the alternative, I had found quite a stable
19 result when I am adding in these controls, that would
20 give me a lot more comfort that there is -- you know,
21 the results are more reliable.

22 PROFESSOR WATERSON: So, econometrically, the problem is not
23 potential multicollinearity between the variables?

24 MS WEBSTER: Yes.

25 PROFESSOR WATERSON: Thank you.

1 So then an issue with public data that I wanted to
2 raise with you. Because of the nature of that data,
3 those data, whatever you prefer, you are going to be
4 estimating an elasticity, the elasticity of price with
5 respect to cost, so then -- and, as we have already
6 discussed, there are potential issues with doing that.
7 But then there is in my mind potentially a bigger
8 question, which is what you multiply that by to get the
9 pass-on, the P over the C , and I would now like you to
10 comment on that particular issue, and so, well, we will
11 go with Mr Coombs first and then go back along the line.

12 MR COOMBS: Thank you. Perhaps, just briefly, if I could
13 respond to what Dr Trento was saying earlier regarding
14 the public data and the fact that there are potential
15 demand effects and endogeneity effects.

16 In terms of demand effects -- so obviously this
17 potentially can arise also with the merchant data;
18 theoretically it can arise in the public data,
19 theoretically it can arise in the merchant data. As
20 I said earlier, I tested this in terms of the merchant
21 data and found out that actually it was not an issue for
22 all but one of the merchants, which suggests that there
23 is no reason to expect that it would also be an issue
24 with the public data.

25 In terms of the endogeneity, which is almost like

1 reverse causation of saying, well, it may be actually
2 that prices are causing a change in cost, rather than
3 the other way round. So I am using a lagged model, so
4 what I am saying is what is the relationship between
5 future prices and costs today? You can plausibly think
6 that, you know, costs today are affecting prices in the
7 future. It is more difficult to see how prices in the
8 future would be affecting costs today. It requires
9 people to have a lot of foresight about future prices
10 and somehow be able to react to that.

11 So I can see the theory. There might be an issue,
12 but in practice I think it is less plausible ...

13 PROFESSOR WATERSON: It is the funny old thing about
14 umbrellas cause rain, because on days when it is going
15 to rain people carry an umbrella.

16 MR COOMBS: Precisely. So one can sort of think about the
17 plausibility of which direction of causation it is
18 likely to go in.

19 So now, coming back to your question, which is about
20 the fact that you have to convert an elasticity into
21 a price on a pass-on level. Again, I should point out
22 this is not a problem that is unique or an issue that is
23 unique to the public data. When we are dealing with the
24 merchant data, in many cases we are doing the same
25 thing. We are estimating an elasticity which has to be

1 converted into a pass-on level. So it is an issue that
2 applies to both sets of data.

3 In terms of, you know, how you do that, in the case
4 of the public data, what I did was I used information
5 from the ONS. They produce what are called supply use
6 tables, which tell you what proportion of the sector is
7 represented by these different costs, and then use that
8 in order to calculate a margin. I think the difficulty
9 here is in terms of deciding, you know, which costs do
10 you include, and that is maybe an issue that we will
11 find there is disagreement on, because my understanding
12 is that what other experts have done is simply taken the
13 cost that they have included in their regression and
14 what is the mark-up over that.

15 What I have done is thought about, well, what does
16 this cost represent? So this comes back to what
17 Dr Trento was saying earlier about potential mismatches.
18 Now, obviously what I tried to do is make sure ideally I
19 do not have mismatch. So he talked about, you know, pet
20 foods and so on there. I do not use public data for
21 that sector, I use the data from the merchant Pets at
22 Home for that sector, because that is one sector where
23 I could not get a good match.

24 In the case of groceries, I do get a very good
25 match. I look at this and see, well, if I look at the

1 PPI that I am using and the CPI that I am using, do they
2 match, and they actually match very well. In other
3 cases they fall in between, in the sense that maybe they
4 are imperfect, and in those cases what I have done is
5 I have worked on the basis that the costs I am measuring
6 are a proxy for total cost, and have used the mark-up
7 over total cost. That is a conservative approach, in
8 the sense that that will tend to lead to a lower pass-on
9 estimate. The logic of doing that is I am assuming
10 there is a relationship between the costs I am measuring
11 and total cost and, if that is the case, then that --
12 then the approach I am using is correct.

13 The alternative assumption is that there is no
14 relationship between the costs I am measuring and other
15 costs. I think that is a very strong assumption in the
16 opposite direction, and also that would -- if you take
17 that assumption and use it, you would then end up with
18 higher pass-on rates. So the approach I am using in
19 that sense is to the extent that there might be some
20 difference between the pattern of the costs I am
21 measuring and total costs, it leads to a slight
22 underestimate of the pass-on rate.

23 PROFESSOR WATERSON: Yes, I see the problem, particularly if
24 we take an example in the airline sector where nearly
25 all the costs are fixed, at least in the medium-term,

1 you know, you lease the aeroplanes, you have the pilots,
2 etc, that the variable costs are a very small component
3 of the total cost, and you have to make some allowance
4 for that.

5 MR COOMBS: You have to make some allowance for that. But
6 also it comes back to this point about we are looking
7 over the long-term, so we need to think about what --
8 you know, how -- to the extent that costs are variable
9 over the long-term, not over the short-term.

10 PROFESSOR WATERSON: Yes. I think, correct me if I am
11 wrong, but I think in your analysis you find that
12 generally in retailing, the mark-up of revenue, if you
13 like, over gross costs is relatively modest, it is
14 around 3-5%, that sort of level?

15 MR COOMBS: Yes. If you look across the -- if you look at
16 data that is economy-wide, then, yes, you end up with an
17 estimate -- actually, the data that I used there is
18 European data rather than UK data, but I do not find any
19 systematic difference when I look at UK data and compare
20 it with European data. But with European data, you end
21 up with a net mark-up of about 3%, a net margin of about
22 3%.

23 PROFESSOR WATERSON: So the P over C is really quite small.

24 MR COOMBS: Yes.

25 PROFESSOR WATERSON: Thank you.

1 Mr Holt.

2 MR HOLT: Yes, thank you.

3 Actually let me first also briefly comment actually
4 on a point that Dr Trento raised that I think is related
5 to this point, which is about the matching of the price
6 and cost indices, which obviously then comes into play
7 also in the price-cost ratio.

8 So I agree with him that in general a one-to-one
9 match, which would be ideal, is not generally available,
10 and I would also acknowledge that the approaches that
11 Ms Webster and Mr Coombs took to the public data, at
12 least in some cases, led to some closer matches than the
13 approach I adopted, which was essentially to start from
14 the: what are we trying to achieve here? Which is
15 sectoral pass-on estimates. What are the subsectors? I
16 identified good and sufficiently reasonable price
17 indices for as many as 30 subsectors and then tried to
18 find the best available match from the costs side.

19 I think I was quite upfront that the matching was
20 imperfect and, as a general proposition, that would lead
21 to noise. So in other words, if the costs are not
22 a one-to-one match, then obviously some of the variation
23 in the cost would not be expected necessarily to affect
24 prices, and that could add a downward bias, attenuation
25 bias; some noise and measurement error is having an

1 impact.

2 I do also agree with the other point, however, that
3 Dr Trento made, which is that if in the regression there
4 would be some other relevant costs that could affect
5 price that are not being taken into account, and,
6 furthermore, they would be correlated with the costs
7 that are being taken into account, then that could lead
8 to an admitted variable bias, an upward estimate on the
9 costs that I include.

10 PROFESSOR WATERSON: A sign of that would depend on the
11 relationship between --

12 MR HOLT: Yes, that is true. If there was no correlation,
13 it would not be an issue. If it was a positive
14 correlation, it could be an upward bias, and conversely
15 if there is a negative relationship. I think it is fair
16 to say that either neutral or possible positive
17 correlation may be more likely.

18 PROFESSOR WATERSON: So likely to be an upward bias?

19 MR HOLT: Potentially an upward bias, but let me come on to
20 how I have tried to deal with that issue.

21 Acknowledging a quite central difference between the
22 approach of Mr Coombs and myself is that, whereas he is
23 focusing on total costs, I have focused on variable
24 costs, and so what I have tried to do is identify the
25 best sets of costs proxies that are relevant and not

1 limited that to one type.

2 So, for example, if in some public data sectors both
3 COGS and labour were likely to be, at least to
4 a significant level, variable, then I would include
5 both, so to some extent I have tried to allow for that
6 concern by taking a broader approach to which potential
7 costs could be included.

8 Now, again, I accept that that still does not get
9 you to the one-to-one match, undoubtedly. So there is
10 the noise issue that has the downward effect, but the
11 possible issue of admitted variable bias if the
12 correlation point that you already identified holds.

13 The other issue, though, I tried to take into
14 account is to take a price-cost ratio, which now come
15 back to this topic, which likely reflects, essentially,
16 as Mr Coombs was saying, the entirety of the variable
17 cost base, so -- and the way I have done that is to take
18 a gross margin.

19 So if the gross margin is essentially the revenue
20 less the sum of the broadly variable cost, whatever is
21 included in that, and if I am not, in my regression,
22 capturing all of those costs but only some of them,
23 which is the proposition that I might have an admitted
24 variable bias, then there is an offset. It is
25 neutralised by the fact that I am capturing more of the

1 variable costs in the conversion from the elasticity to
2 the pass-on rate.

3 PROFESSOR WATERSON: Is "neutralised" putting it a bit
4 strongly?

5 MR HOLT: Well, it is. That is a good point. Neutralised
6 if it is highly correlated. If it is not highly
7 correlated, then I am overcompensating and, if anything,
8 I would still have downward bias. So neutralised if it
9 is highly correlated, because I am capturing the
10 relevant costs in my conversion. In my view, it is
11 either addressing the effect or possibly over-addressing
12 the effect.

13 So I think -- I just wanted to make a couple of
14 remarks around the matching point.

15 Now, as to the price-cost conversion point, I think
16 it is worth bearing in mind a couple of things. First,
17 I acknowledge, and some of the other experts have made
18 this comment, that there is a question as to whether the
19 price-cost information for the conversion is in a sense
20 internal to the dataset that you are using for the
21 regression. So I agree with that, that there is more
22 precision to the price-cost conversion for the claimant
23 data. Because you have essentially a single dataset
24 that you are working with, the regression can be fairly
25 directly linked to the prices and costs.

1 PROFESSOR WATERSON: More precision.

2 MR HOLT: More precision. Whereas for the public data that
3 does not apply, and one, in my view, has to do the best
4 one can to get the best available price-cost ratio for
5 the subsector in question.

6 The way I have done that is to identify -- and it
7 depends on the type of variable costs I have. If it is
8 a PPI-type COGS cost, I have gone for a gross margin
9 analysis for firms in the S&P 500, focusing on the UK.
10 If it is a labour-related cost, average wage
11 expenditure, for example, then I have looked at ONS
12 input/output tables. So I have tried to identify
13 essentially the best available price-cost ratio
14 information pertaining to the public data, but I
15 acknowledge that that adds a source of some further
16 uncertainty.

17 Thank you.

18 PROFESSOR WATERSON: Nevertheless, some of the estimates you
19 get for some of the sectors appear to give implausibly,
20 what many people would think to be implausibly high
21 mark-up -- shifting. So over 100%, well over 100%.

22 MR HOLT: Yes. I think you are talking about the pass-on
23 rate as opposed to the price-cost mark-up. The pass-on
24 rate in a number of my estimates is above 100. Now,
25 I have not just used them all, I have filtered for

1 either implausible results, i.e. pass-on rates that are
2 implausible, but I have not set 100% as the threshold,
3 but I have excluded some that were much higher than
4 that, as well as some that were negative. That is,
5 I think, reflecting either data issues, or the fact that
6 in a first difference model there is imprecision as I
7 mentioned before.

8 So I agree with you that some of the models led to
9 implausible results and I have not relied on them. Some
10 other models had results that I considered to be
11 plausible and reasonable, albeit in some of the cases
12 imprecise. In other cases, a joint significance test
13 across the lags, which is my relevant criteria for
14 considering significance, does apply, so in about 17 of
15 the 25 cases that applies.

16 So I have got sort of, you know, more imprecision
17 perhaps due to the overall modelling approach than
18 applies to the ECM-type models that Mr Coombs and
19 Ms Webster have adopted, but I have not ruled out taking
20 forward results purely on the basis of significance.
21 I have applied a filter but at a slightly higher level
22 than that. I have excluded some for implausibility and
23 some for very large standard errors, but I have not, you
24 know, done that in a precise "if it is insignificant
25 I am not taking it into account" approach.

1 PROFESSOR WATERSON: Thank you.

2 Ms Webster.

3 MS WEBSTER: Thank you. If I might also start by just
4 making a comment on the comments made by Dr Trento in
5 relation to the matching point. Dr Trento in particular
6 mentioned the fact that PPI indices, which are
7 available, are domestic. They relate to the price of
8 goods that are sold from UK manufacturers at the factory
9 gate prices which can then be used as an input by -- is
10 an input for merchants, the costs that the merchants
11 face.

12 What is missing is information on the price at which
13 merchants can buy in products from overseas, so the
14 price of imports of finished goods which are then for
15 sale by the merchants. I just wanted to point out that
16 this can be quite significant. So I think Mr Coombs and
17 I have both decided that we cannot undertake an analysis
18 with the public data for the clothing sector, and that
19 is because the vast majority of product that is brought
20 in by merchants in that sector, that is imports. So it
21 would be inappropriate to try and do an analysis of
22 pass-on using the public data for that sector.

23 But for the sectors that Mr Coombs and I still do
24 look at, I just wanted to share some figures to just
25 gauge the significance of this. So for automotive

1 fuels, household furniture, the percentage of imports
2 sold by merchants is over 30% marginally. For food and
3 drink it is 25%. For entertainment, also 25%,
4 restaurants.

5 So I just wanted to share that to give a sense of
6 the materiality of the costs that are potentially
7 missing.

8 PROFESSOR WATERSON: Yes. In fact, it is salutary to think
9 about how small the manufacturing sector in Britain
10 actually is; 10% of gross value added.

11 MS WEBSTER: Well, yes.

12 I do note the comments which Mr Holt makes about
13 potential upward bias, and I suppose I am not sure to
14 what extent that means that the estimates are
15 conservative, in the sense that if all the true
16 estimates are really to be a bit higher, then we are
17 really even further into the realms of estimates that
18 are implausible. So for me this is more a -- more
19 a cautionary note, actually, to just understand the
20 inherent uncertainty which comes from the inherent
21 difficulties with the underlying data.

22 PROFESSOR WATERSON: Yes.

23 MS WEBSTER: So I will move on to the price-cost ratio.

24 So the approach that I have taken is very similar
25 to -- well, similar in some respects to Mr Coombs, in

1 that I have used the same underlying data, the ONS and
2 the supply use tables, and as Mr Coombs says, what
3 I have done is I have identified a price-cost ratio only
4 focusing on the cost measure that I have got in my
5 regressions. So I have looked at the relationship
6 between that cost and the price then of the basket of
7 goods that I am analysing.

8 I very much accept the point that Mr Coombs makes.
9 So if it is the case that the coefficient, the pass-on
10 elasticity that I estimate for my cost, is picking up
11 the effect of other costs on prices, then the price-cost
12 ratio that I use will overstate the resulting pass-on
13 rate.

14 Now, I suppose my comment is: I do not really know
15 quite what my coefficient is picking up. Is it picking
16 up the effect on price of all of those other costs that
17 are excluded from my regression or is it not? If it is
18 not, then the approach that Mr Coombs has taken will
19 automatically lead to a lower estimate of cost pass-on
20 than is the true estimate related to his regression.

21 Again, that then leads me to think, well, Mr Coombs'
22 estimates are likely to be at the lower end of the true
23 pass-on rate associated with the regression, and
24 therefore potentially in the realms of masking some
25 implausibility of the results.

1 PROFESSOR WATERSON: Thank you.

2 I think there maybe I can comment on something and
3 see people's reactions, I realise we have not come to
4 Dr Trento yet, but -- which is that all of these
5 estimates, of course, have error bars around them, and
6 multiplying an elasticity with big -- with fairly
7 substantial errors by a big number is potentially
8 problematic, because you have this -- you know, at the
9 lower end it might be very much different from what it
10 is at the upper end by the time you multiplied it by
11 something.

12 Is that reasonable, would the others say?

13 MS WEBSTER: Only to say that I think that is a reasonable
14 statement to make, yes. My general comment on the
15 discussion that we have had on price-cost ratios is
16 there just is not a perfect way to do this, and there
17 are different ways, and they will give you different
18 answers, and you just need to recognise that that is an
19 uncertainty.

20 MR HOLT: Yes, I think, as I mentioned earlier, there is
21 uncertainty in the price-cost ratios. The way I have
22 tried to deal with that is to look at what the ratio is
23 from the available evidence on gross margins. I have
24 actually looked to see if relying on the UK S&P
25 estimates might in some cases lead to too much

1 uncertainty due to that being based on a very small
2 number of firms in some cases, and I have looked at, for
3 example, global estimates, again from the same source,
4 from S&P, and broadly they are similar.

5 So that gives me some further confidence that, at
6 least in terms of the estimates of the gross margins
7 that I am using, that it does not seem to be
8 systematically out, but I do acknowledge that there are
9 some noise factors due to the fact that the data source
10 is not a direct mapping sometimes to the regression
11 source.

12 PROFESSOR WATERSON: If the coefficient on the elasticity is
13 subject to quite wide bands, then when you are
14 multiplying it by something you are exaggerating those
15 bands, potentially.

16 MR HOLT: I think that is fair. It is obviously also
17 notable that if it is the case that the gross margins
18 are very high, and the costs being looked at are
19 a smaller proportion of the costs base of the relevant
20 subsector, then one might expect that that would lead to
21 a lower elasticity; in other words, from an average
22 perspective it is not an issue, because the smaller the
23 cost in terms of its relevance, the likely lower the
24 elasticity but the higher the gross margin. Albeit,
25 again, in the way I approached the gross margin, I am

1 not sort of trying to match the gross margin directly to
2 the cost itself.

3 So I think that somewhat avoids the issue, or at
4 least mitigates the concern that you have identified to
5 some extent. But, clearly, if you take a small number,
6 put an error around it and then you do mark-up, then you
7 obviously scale up the uncertainty to some extent, yes.

8 PROFESSOR WATERSON: No, I make this point only because what
9 is generally being reported is, of course, to make it
10 more straightforward to understand, what is generally
11 being reported is the mean estimate rather than the
12 standard errors.

13 MR HOLT: Yes.

14 PROFESSOR WATERSON: Which are often implicit in the tables
15 by the stars.

16 MR HOLT: Yes, I think different experts have approached
17 that in different ways. I think Ms Webster would
18 probably say that she has actually described generally
19 what is the range, I believe that is fair. I have
20 provided the results in the annexes which are what the
21 standard errors are, and identified where in some cases
22 the standard errors were, in my view, so great that one
23 should not put reliance on them. But otherwise you are
24 correct in identifying that what I have ultimately taken
25 from the results, the least where I have deemed them to

1 pass the sort of, you know, sufficiently informative
2 part, is then to take the mean point, yes.

3 PROFESSOR WATERSON: Thank you.

4 Mr Coombs.

5 MR COOMBS: Yes, well, I think the first thing to say is,
6 you know, obviously there are imperfections in the data
7 and difficult decisions that have to be made in the
8 analysis, but that obviously is the situation with any
9 econometric analysis. I have never come across an
10 econometric analysis where I have had perfect data and
11 have not had to make decisions and judgments about how
12 to do the analysis, so I do not think that is anything
13 particularly unique about this case.

14 PROFESSOR WATERSON: No, I agree.

15 MR COOMBS: Yes.

16 I would agree that, you know, there obviously is
17 going to be some imprecision in the estimates and that
18 there is also an effect from the assumptions that we are
19 making about how we scale up the elasticity to produce
20 the pass-on estimate. I think one thing is having
21 uncertainty, the other thing is having an uncertainty
22 where you know directionally where it goes. So I would
23 say in terms of the scaling up, the approach I have
24 taken, first of all, I think it is the more plausible
25 approach to take, but, secondly, to the extent that it

1 is wrong, I know which direction the bias is in. The
2 bias is that the true pass-on rate will be higher than
3 the estimate that I am providing.

4 So I think, you know, there are many cases where in
5 my report I discuss where there is some uncertainty
6 here, and I try to identify which direction it is going
7 in, and this is a case where I have identified which
8 direction it goes in, in the sense that if I have this
9 wrong, the true estimate will be higher than the
10 estimates that I produced.

11 MR HOLT: Can I just make one related remark, which is that
12 we are obviously talking about the imprecision of the
13 individual estimates in this context. I have recognised
14 that, but then taken a step back and considered, well,
15 what are these overall -- what is the overall
16 information from having carried out this exercise
17 telling me?

18 Well, broadly, the public data is showing fairly
19 high pass-on for most of the cases, albeit with quite
20 some variation, and I have included a number of which
21 are actually significantly lower, like in the 40% range,
22 having identified that perhaps they are subject to
23 particular downward bias because of these measurement
24 effects, but I have decided to include them in any
25 event.

1 But then I looked at what Mr Coombs and Ms Webster
2 had done on similar datasets but with somewhat different
3 indices, different methodologies in terms of ECM versus
4 my first differencing(?) of a less(?) approach and,
5 again, the overall indication is that broadly the
6 results are quite similar, broadly fairly high in most
7 cases but with quite a bit of variation.

8 Now, obviously each of them put, you know, somewhat
9 different weight and confidence on those results, and
10 obviously Ms Webster has lower levels of confidence and
11 Mr Coombs has higher levels of confidence, but I think
12 it is quite instructive that all these different
13 approaches are still leading to broadly similar results.

14 Furthermore, when you look at the other evidence
15 sources, as I was saying yesterday, there is nothing to
16 suggest that the public data is overstating pass-on by
17 comparison to the claimant evidence. In fact, on my
18 analysis, the average is somewhat lower, and indeed
19 I think it is also somewhat lower than the results
20 I adopt from the existing studies.

21 So I think, again, this goes back to my sort of
22 triangulation approach. While no doubt any of these
23 sources has uncertainties and difficulties, I think it
24 is quite instructive that there is a broad degree of
25 convergence, or at least common, you know, general

1 insights that can be brought from all of them.

2 MS WEBSTER: May I --

3 PROFESSOR WATERSON: Dr Trento.

4 MR TRENTO: Yes, maybe only a general point, which is the
5 following: as discussed before, we are looking at -- in
6 the public data, we are looking at cost indices that
7 account in many cases for less than 50% of total costs.
8 So we have heard from Ms Webster that we do not have
9 information on the price of imports for finished goods
10 that can account to 25 to 30% of the cost of retailers.
11 We do not have information -- sometimes information is
12 not used on overhead costs. So that amounts to a large
13 discrepancy between the price index and the cost index.

14 Then there may be issues about simultaneity.
15 Mr Coombs has said that he is trying to mitigate these
16 issues by taking future prices and current costs, and
17 these are factual matters, really, but -- it is not for
18 now, but my understanding is that all of the experts are
19 taking contemporaneous prices and costs.

20 Now, there is a lot of uncertainty about this public
21 data analysis, and the price-cost ratio is an additional
22 source of uncertainty. So this is the way -- this is
23 the way I see it: in the claimants' data, that source of
24 uncertainty I think is just not there, because first of
25 all, when I use modelling levels, I do not need to

1 translate a pass-on elasticity into a pass-on rate.
2 I have already have a pass-on rate. Second of all, when
3 I use the modelling logs and I need to translate an
4 elasticity into a rate, I have price and cost from the
5 same claimant.

6 So, in my opinion, this is another reason why I have
7 chosen to use claimants' data, rather than public data.

8 PROFESSOR WATERSON: Thank you. But do you want to comment
9 on Mr Holt's remark just now that the claimant data
10 tends to show similar or maybe higher pass-on rates?

11 MR TRENTO: I think that is correct. My point is the
12 following: my point is not, you know, are we
13 overestimating or underestimating with the public data,
14 but I think what we know is that there is a bias, and
15 that is an important reason for me not to place much
16 emphasis on the public data.

17 The second thing I would like to note is that
18 I think Mr Holt is inevitably referring to the pass-on
19 of COGS, which is what he estimates. There is no
20 comparison between the pass-on of total overhead costs
21 in the two analyses. I think, to the extent that one
22 can do a comparison, it seems to me that the analysis,
23 when you estimate the pass-on with public data, would be
24 higher, so suggesting that there may be an upward bias
25 in there, but I think that does not refer to the pass-on

1 of COGS but the pass-on of total overhead costs.

2 PROFESSOR WATERSON: Thank you.

3 MS WEBSTER: Sorry, is it -- would it be okay if I responded
4 to Mr Holt's comment about the sort of overarching
5 conclusions which I think can be drawn from the analysis
6 of public data?

7 PROFESSOR WATERSON: Yes, certainly.

8 MS WEBSTER: So I talked a lot about the uncertainty, but
9 I do want to agree with Mr Holt that when I look at the
10 results of the analysis in the round, they are pointing
11 towards a high level of pass-on of variable costs. So
12 I do agree with that conclusion.

13 I think the significance of my comments around the
14 uncertainty is that it causes me not to think it is
15 reliable that I can say for sector A the pass-on rate is
16 78%, and for sector B the pass-on rate is 85%, because
17 I think that the precision in the analysis is not such
18 that I could reliably say pass-on were different in
19 those two sectors.

20 So really it comes to a question about how to apply
21 the findings from the empirical analysis, rather than
22 sort of the broad conclusion from the analysis where
23 I do agree with Mr Holt.

24 PROFESSOR WATERSON: Mr Holt, I saw you nodding.

25 MR HOLT: Yes. I would just like -- Ms Webster raises

1 a very good point about what do we do once we have
2 a range of estimates from a range of different broad
3 sources or types of data in order to try and reach views
4 on sectoral pass-on? I think it is quite clear that, if
5 you look at the analysis that we have each obviously
6 separately carried out on all three of those sources,
7 that we are reaching broadly similar overall conclusions
8 in relation, of course, at least to the pass-on of
9 variable costs. There is a modest distinction between
10 us as to in which cases are those relevant and in which
11 cases might there be more focus on fixed costs, but,
12 broadly, where variable costs are relevant, we are
13 reaching broadly similar conclusions.

14 Now, I think her approach is to say, well, that is
15 helpful and, you know, it is largely all fitting into 70
16 to 100, and I think that is as far as I can go. Any
17 further sector-based distinction is too uncertain due to
18 the imprecision of the various different estimates.

19 I do not have a strong view to say that is an
20 incorrect approach, she is not addressing it in an
21 appropriate way. I do not think that. What I do think,
22 though, is that given there is quite a large range of
23 different evidence sources, each of which is an
24 independent one, looking at a different dataset with
25 a different methodology, that -- and given that what we

1 are ultimately trying to do is to get, in my view, the
2 best estimates for each of the relevant sectors, that
3 taking forward the averages across this evidence does
4 give a useful input to the Tribunal to understand where
5 are those various estimates coming out. Some of them
6 are, you know, in the 90s, some of them are in the 70s,
7 and so on. I think that is a useful input because it
8 allows the Tribunal to be aware of where there is some
9 differentiation across sectors.

10 But having said that, I do accept that, you know,
11 the fact that in my overall averaging approach I have
12 come up with, you know, 82 in one case and 85 in another
13 is not to say that that is because there is, you know,
14 statistically significant differentiation between the
15 two, but that the average of the evidence is suggesting
16 a broadly similar amount, and that if the average of all
17 the evidence is suggesting, you know, 10 or 20%
18 differences, that is perhaps a helpful guide to where
19 there might be some variation across sectors, but you
20 can still, of course, take the, you know, one-digit
21 precision and sort of, you know, apply a degree of
22 banding around that, if that is what the Tribunal deemed
23 appropriate to do.

24 PROFESSOR WATERSON: Thank you.

25 MR COOMBS: Sorry, could I just make two comments?

1 First of all, just on something that Dr Trento said,
2 which he said that in some cases the match between the
3 price and the cost data is such that the costs that are
4 being included are a minority of the costs. I would
5 just like to clarify -- I will not speak for Mr Holt or
6 Ms Webster, but in my own analysis, the approach I have
7 taken was to ensure that I was including the majority of
8 the costs in my matching between price and cost.

9 Secondly, and it may be that we are going to come on
10 to discuss the merchant data, I am not sure, but we have
11 been focusing on the public data, and identified that
12 there are imperfections with public data, which is
13 agreed. But we should not lose sight of fact that there
14 are also issues with the merchant data as well. The
15 merchant data is always one merchant's data from one
16 merchant in a particular sector, whereas the public data
17 covers the entire sector or subsector that we are
18 looking at. In addition, the merchant data is capturing
19 the change in costs of that particular merchant, and, as
20 I think has been discussed, what we really want to be
21 capturing is the common change in costs across all
22 merchants in a sector, and if we just look at the data
23 for one merchant, there is a risk that we are capturing
24 merchant-specific cost changes, which will mean that we
25 are underestimating the pass-on rate.

1 So I agree that there are imperfections with the
2 public data, but there are also many issues with the
3 merchant data, and I think we need to make sure we do
4 not lose sight of the fact that none of this data is
5 perfect and we really need to sort of look at all of it
6 and recognise the limitations and the benefits of both.

7 PROFESSOR WATERSON: Thank you.

8 I think Dr Trento would agree that you are only
9 looking at -- for example, let me just take an example,
10 if you are looking at Primark, then its position might
11 be quite different from that of, say, Selfridges in
12 terms of -- or Jaeger or something like that?

13 MR TRENTO: Well, I think I agree, yes, that within a sector
14 you can have a range of pass-on rates. My point is that
15 there is no ex ante bias. So if the range of pass-on
16 rate is between 20 and 40%, maybe we are taking
17 a claimant that is on the low end side, or maybe we are
18 taking a claimant that is on the high end side, so more
19 close to 40%, but ex ante we do not know whether we are
20 taking a claimant on the low end side or on the high end
21 side, so there is no ex ante -- there is no ex ante
22 expectation that there is going to be an underestimation
23 or an overestimation. This is one.

24 The other comment I would like to make is that the
25 experts have been provided for some of the sectors with

1 up to three claimants' dataset to eye-ball, and I am
2 sure Mr Tidswell will remember that there was a long
3 phase where the experts eye-balled the data that had
4 been provided by different claimants, and then the
5 choice of the claimant was completely -- was only
6 related to how good the data was, you know, to estimate
7 pass-on. So that was the only consideration that the
8 experts made.

9 So I acknowledge, yes, there could be a range, but
10 there is no ex ante expectation that it will be biased
11 on one side or the other.

12 PROFESSOR WATERSON: At the same time, I think you would
13 acknowledge that the claimants were not chosen through
14 a random process in an earlier stage, that they were
15 chosen partly -- well, partly those who were willing,
16 and you are again working with material you have and
17 making the best job of the material that you have?

18 MR TRENTO: I agree.

19 Sorry, just one point, which I made yesterday
20 already, but because I need to look at the pass-on of
21 claimants and not at the whole UK economy, I have, in
22 some sectors that I define, I only have a handful of
23 claimants, so maybe one or maybe two or maybe three, and
24 therefore extrapolation for those sectors is much easier
25 for me than it would be for Mr Coombs who is actually

1 tasked with a different objective, which is to estimate
2 the pass-on for the whole of the UK economy. So
3 representativeness would more of an issue, for instance,
4 for Mr Coombs than it is for me.

5 MR ECONOMIDES: If I am allowed to comment just on the
6 representativeness of the claimants, because this is a
7 topic that we looked at specifically. I looked at it in
8 the context of my report.

9 I think Dr Trento is right. He chose the sectors to
10 analyse on the basis of the percentage of the claim that
11 they represent, and the sectors that he focused on
12 represent a very high percentage of the claim, about
13 70%, if I recall correctly. Then, as he said, it is
14 only a small number of claimants, sometimes there is
15 only one claimant in a sector, so the representativeness
16 question obviously does not arise with respect to that.

17 We did look, though, to situations where there is
18 more than one claimant and we found that there are some
19 exceptions, and you rightly pointed out that there is
20 a difference between an entry level -- a merchant that
21 focuses on entry level price points versus one that
22 focuses on luxury price points. That applies
23 potentially to fashion. We did not have department
24 stores in the claimant list, so that issue did not arise
25 with respect to them.

1 But beyond fashion, where the difference was a bit
2 theoretical, because in the list of claimants, at least
3 as originally processed, there were no significant
4 luxury brands, it does not arise in most cases. So,
5 yes, one could argue that Hilton is different from a
6 Premier Inn in terms of the price point, but we found
7 that a lot of the dynamics in terms of the accounting
8 treatment, in terms of the pricing models -- they need
9 to fill up their rooms, and they need to manage their
10 pricing to do that -- are actually quite similar.

11 So from a business perspective, the factors that
12 contribute to pass-on would be equivalent. I appreciate
13 that econometric analysis is potentially a different
14 thing.

15 PROFESSOR WATERSON: Mr Holt, you wanted to come in?

16 MR HOLT: I think (inaudible) recent discussion is
17 potentially referring to, at different parts of the
18 debate, about the fact that for the claimant evidence we
19 are relying on essentially one claimant per sector for
20 the most part.

21 The first issue is whether the single claimant can
22 represent a basis on which one can estimate pass-on and
23 make an inference as to a sectoral rate of pass-on.
24 While I have some concerns about whether one can do
25 that, on the basis that it is obviously the smallest

possible sample, and one would ideally have several estimates with which to look at and then reach a firm view about the sectoral rate, at the same time I also recognise that part of the approach to sectoral estimation is to recognise that the conditions for pass-on, including the unobservable demand and supply conditions and precise nature and intensity of competition, are broadly similar within a sector, and therefore, on that basis, more or less any claimant could be argued to be just as good an estimate as more or less any other.

Now, obviously you still have measurement error and the risk of the fact that there might be either a true reason for a differentiation within the sector, and you happen to have selected one on the low end or the high end, or it could be that the noise in the data means that even if it was similar to everyone else, the measurement does not allow you to sort of do that very precisely.

I think all of those problems exist to some extent, but in a sense we are where we are with the number of claimant datasets, and I think we to some extent need to work with it. I would not, however, overstate that that is representative, it is an estimate, and I think the fact that it is a single estimate intending to represent

1 a whole sector, and I appreciate that Dr Trento thinks
2 that, you know, he was instructed to focus on what is
3 the evidence saying for the SSH claimants, and that is
4 a somewhat different thing than what it is saying for
5 the sector, but in my view, that is a further reason to
6 sort of look at the sectoral evidence from the other
7 evidence sources.

8 The reason I said there was a risk of conflating two
9 issues is that that is all about representativeness of,
10 you know, selecting a claimant and how the process was
11 achieved for that. I think the second issue, though, is
12 given that we are using an individual claimant dataset,
13 then Mr Coombs' point is potentially valid -- in my view
14 it is valid -- which is to say that some of these costs
15 that we are looking at may represent firm-specific
16 decisions that they made, they might reflect different
17 levels of efficiency, you know, there might be
18 particular reasons why they have got extra costs coming
19 in, in that month, which might not be consistent with
20 what is happening at the industry-wide level.

21 All of those sorts of factors, in my view, cause
22 a risk. Now, it might not have turned out to be a
23 material risk, but those are the sorts of things that
24 represent a different question, which is: is a single
25 claimant dataset going to represent a firm-wide cost

1 change?

2 Now --

3 THE CHAIRMAN: Mr Holt, you have had quite a lot of say ...

4 MR HOLT: I am sorry, let me stop there.

5 THE CHAIRMAN: I think we need to move on.

6 PROFESSOR WATERSON: Thank you.

7 Just to say, by the way, that I was a bit surprised
8 when I went into Selfridges in Birmingham to find there
9 was a Primark concession inside it. Anyway ...

10 THE CHAIRMAN: We will take a ten-minute break.

11 (11.45 am)

12 (Short Break)

13 (11.55 am)

14 PROFESSOR WATERSON: Thank you.

15 So on to another topic now. This is a topic that in
16 a sense there was some discussion about yesterday
17 between Mr Harman and Mr Economides, which is that there
18 is this back and forth process that you both described
19 in different ways in the way that firms behave, and you
20 could think of that as actually it is not just that
21 costs cause prices, but that prices to some extent
22 influence costs.

23 There are particular examples that one can think of
24 like this. I mean, I will give you a couple of
25 examples, but, I mean, any university knows -- any major

1 university knows that its fees for home students are
2 fixed, so its price is fixed, but it has a lot of
3 control over its costs. It can say, well, we want
4 departments to cost less, and the department head gives
5 the unwelcome news to the academics that class sizes
6 have got to go up, and that small groups will not be
7 taught -- the small group options will not be taught
8 anymore, etc. That is one example.

9 Another example that you read about in the papers is
10 shrinkflation, that, you know, known value items in
11 supermarkets, people know in some sense what the price
12 is going to be, and then the costs are cut in order to
13 meet that, so, you know, six biscuits becomes five or
14 whatever.

15 So maybe we could -- so, in those senses, the
16 causation is the other way round, and I thought it might
17 be useful to have a brief discussion of this possibility
18 before we go further. Let us start with Mr Harman.

19 MR HARMAN: I mean, yes, I think a firm can have many
20 different ways in which it responds to shocks within the
21 business, and I think the approach that you had
22 identified is -- or the examples that you identified are
23 things that we would see and we would expect. Obviously
24 one way to recover overhead costs is if you could
25 increase volume. So in your University of Manchester,

1 if it is feasible to increase the volume of students,
2 and assuming that the fees charged cover your variable
3 costs, then every single additional student that you
4 would get would make a contribution to fixed costs.

5 PROFESSOR WATERSON: Yes.

6 MR HARMAN: There would be some other considerations that
7 would be needed, for example. I mean, how much could
8 you increase the class size until it becomes a quality
9 issue that students react to in some way? So they would
10 be obviously considerations.

11 I think that we -- you know, we are all aware of
12 shrinkflation. I used to remember a time when Mars Bars
13 were huge, back in the '70s, and they seem much smaller
14 today, so, you know --

15 PROFESSOR WATERSON: That reminds me of something else, but
16 I think we will pass on that.

17 THE CHAIRMAN: Probably good for our health.

18 MR HARMAN: Yes. I think the other problem is that you may
19 get a change in the quality of the ingredient going into
20 certain things. So is a way to mitigate inflation, for
21 example, to cut a corner and to increase, you know, your
22 supply base with products? I think that is the case.

23 I mean, I spent quite a lot of time obviously
24 looking at the factual record, and I do not see it
25 discussed much, but I do not think that that tells me

1 very much, because the paucity of the information or
2 disclosure that was provided, you know, may exclude --
3 the information that could be available might actually
4 include those types of examples, but I am not aware of,
5 or at least many examples of, that is the reaction to
6 take, but it is completely plausible and logical that it
7 might.

8 PROFESSOR WATERSON: Mr Economides now.

9 MR ECONOMIDES: Thank you.

10 I fully agree with you that there is a two-way
11 relationship that you described between prices and
12 costs, and I would argue that the way the relationship
13 works depends also on the nature of the costs.

14 To be more precise, you mentioned shrinkflation.
15 I think shrinkflation, based on my experience, is more
16 linked, for example, to a COGS increase, so if sugar
17 increases or the price of chocolate increases, the
18 product manufactured may shrink, because the producer
19 wants to maintain customer affordability, they want to
20 maintain -- they know that their kids are going after
21 school into a convenience store at the end of every day
22 and they have X amount of pocket money to buy, and if it
23 goes too big then they will not buy it.

24 So whereas -- back to the discussion between COGS
25 and overheads -- the fact that auditing services for the

1 business increases the price is unlikely to find its way
2 into shrinkflation, to impact shrinkflation in the same
3 way.

4 Also -- I wanted to also take the opportunity to
5 highlight one particularity about how overheads are
6 managed in a business. I think we are all familiar with
7 the concept of overhead ratio, which is essentially
8 overheads divided by revenue. So even though we think
9 of the P&L of a business as a cascade starting from
10 revenue, then you go into gross margin, then you go to
11 operating margin, actually overheads are normalised
12 based on the revenue.

13 So I think Mr Harman is very right, the best way to
14 grow -- to improve the overhead ratio is to grow
15 revenue, grow volume, and that is the preferred way for
16 a business. So most businesses will pursue growth
17 because that improves the overhead ratio.

18 Now, if you have an increase in overhead costs and
19 you seek to increase your prices, in most markets that
20 will, everything else being equal, reduce your revenue,
21 and therefore your overhead ratio will deteriorate.
22 That, for me, is a very important point to keep in mind,
23 that mechanically, in a typical firm, when overhead
24 ratio deteriorates, either because revenue has declined
25 or because overhead costs have increased, the natural

1 instinct is not to increase prices, unless you are very
2 fortunate to have one of those goods where demand
3 increases when price increases.

4 So then the implication is, and we might get to that
5 later, different types of cost management, and I would
6 distinguish between cost avoidance, cost reduction and
7 then supply renegotiation as the three types of
8 reactions. I do not know if this is a topic of interest
9 that we should pursue further, or you want to get to
10 that later, or you want to prioritise other topics, but
11 I think there is a significant difference as to the
12 applicability of those different mechanisms to different
13 situations, and I think it is important, especially if
14 we are to talk about supplier pass-on, to spend a bit of
15 time discussing the differences between the three types
16 of costs -- cost control measures.

17 PROFESSOR WATERSON: Maybe you would outline that briefly
18 now.

19 MR ECONOMIDES: Yes, very happy to.

20 So cost avoidance is the simplest one. It happens
21 all the time; we do not often see that because it is not
22 in the news. It is budget time, functions in a business
23 come in with their budgets, I am sure it is the same in
24 the universities everywhere, and things are aggregated
25 up. Then there are -- things do not necessarily work,

1 typically they will not work, and there is a need to
2 reduce budgets. Typically the first thing you look at
3 is things that have not been committed, so can we -- it
4 is not -- maybe it is not the right time to buy this new
5 photocopier, maybe it is not the right time to recruit
6 an additional person in finance. Those things do not
7 make it in the papers because those are part of the
8 normal business.

9 Now, during the year that may happen again. Maybe
10 overhead is not tracking appropriately, or a revenue is
11 not tracking appropriately, so the business will, in
12 their quarterly reviews, look at that and say: what have
13 we not spent yet and what can we reduce? Without
14 cutting costs, not letting people go or anything, but
15 can we spend in the next quarter a bit less on
16 marketing; maybe that person we have not found yet in
17 finance, let us not get them in.

18 So cost avoidance is the easiest and happens all the
19 time.

20 Cost reduction requires a trigger. Cost reduction
21 is the type of things we read in newspapers, you know,
22 letting people go. It is costly, it is painful, it does
23 not happen unless there is a very clear trigger, because
24 it distracts the organisation from its objectives.

25 Supplier renegotiation I would argue is pretty core

1 to every retail business. They have buying teams that
2 look at different products -- meat, sugar -- and they
3 are incentivised and tasked with getting the lowest
4 price possible all the time. If they cannot do that,
5 then the business will fail.

6 So the notion that there needs to be a specific
7 trigger to go and renegotiate with suppliers, for me
8 is -- would be problematic and unusual. It would signal
9 that the business is not doing its best.

10 I think the final point that I will say is if you
11 look at the track record, the operating margin in the
12 retail industry in the UK, unfortunately it is not
13 a very positive track record, operating margins have
14 been declining over the years. That is both the case in
15 grocery retail and in non-grocery retail.

16 So the notion that businesses are -- have the
17 opportunity to negotiate with their suppliers for better
18 prices, but they are not doing that, and instead they
19 are allowing their margins to deteriorate, I think it
20 is, for me, another evidence that if there was any more
21 to squeeze out of the suppliers, they would probably do
22 that, and there does not need to be an additional
23 trigger, like an increase in cost, to do that.

24 So I would be surprised if there is a -- if there is
25 a lot more to be squeezed out in the context of the MSC

1 or any other such cost, and I do not think supplier
2 pass-on is very material in this case.

3 PROFESSOR WATERSON: So to summarise, supplier renegotiation
4 is something that happens all the time, but the other
5 two forces are more sporadic and tend to be focused more
6 on fixed costs?

7 MR ECONOMIDES: Exactly. Exactly. Overheads, I would say,
8 which include obviously variable and fixed overhead
9 costs.

10 PROFESSOR WATERSON: Thank you.

11 So could I --

12 MR HARMAN: Could I reply perhaps to some of that, if it is
13 helpful?

14 PROFESSOR WATERSON: Briefly, yes.

15 MR HARMAN: I mean, firstly, I just want to correct
16 something that was said right at the beginning, that
17 Mr Economides agrees with Mr Harman that growing sales
18 is the best way to address overheads. I did not say
19 that, I said that was one method that could be used.
20 I also said that is not directly something that I see in
21 the evidence of these cases. It is one potential
22 approach, but it is not all of the options that the firm
23 can adopt. So I think that is an important starting
24 point.

25 The second is just to increase the thought of what

1 do we mean by supplier pass-on? It was mentioned in the
2 context of cost of goods sold, but it actually also
3 applies to overheads. It is the provision of goods and
4 services to the firm from external providers of products
5 and services.

6 The notion that these businesses are at an efficient
7 minimisation of cost is not borne out by the evidence,
8 because what we actually see every single year is that
9 there are saving targets that are required. In part
10 that is required because of inflation; inflation hits
11 both cost of goods sold and also of overheads.

12 So the company always has to be trying to minimise
13 their costs, and there are a number of reasons, and we
14 can come into those in due course, there are principal
15 agent issues, there is, you know, resources, and how
16 quickly costs can be removed from a business, and it is
17 an ongoing trajectory of trying to achieve savings over
18 a longer term.

19 I think that, you know, making comments like "we
20 observe that in certain sectors margins have fallen", as
21 some kind of indication that what is driving that is the
22 inability to pass on costs, I think is potentially
23 one-sided, because another example might be the entry of
24 low-cost providers into the marketplace. So if you
25 think about groceries, you have the Aldis of this world

1 and Lidl's, who have impacted the profitability of the
2 big four groceries, because not only are they lower
3 prices, but actually, in terms of quality, they have
4 improved greatly as well.

5 So I think it is difficult to make these broad
6 comments that there are certain types of cost
7 initiatives, and it would be unusual for a company to
8 adopt one rather than another, because that is a very
9 high level statement. I think one has to look at the
10 factual record from the claimants that have provided
11 evidence to see if those thoughts are borne out.

12 PROFESSOR WATERSON: Thank you.

13 Now, what I would like to do is to ask the
14 economists to comment on that, starting with Dr Trento,
15 but in the particular context of the estimates of price
16 and coming from cost.

17 MR TRENTO: Thank you.

18 I only have one very brief point, which is you
19 mentioned that prices could affect costs in some
20 instances, and I agree with that observation, and that
21 creates an issue from an econometric point of view.
22 Because what we estimate with the econometric analysis,
23 we estimate a correlation between price and costs, but
24 we do not know whether the causality is going from
25 prices to costs or costs to prices. We are only

1 interested in the latter, because that is a form of
2 pass-on, but not in the former, because that is not
3 a form of pass-on.

4 The way that we have tried to address this problem,
5 I think it is a difficult issue to solve, but the way we
6 have tried to solve the issue is that we have used
7 granular data from the claimants that allows us to
8 sometimes estimate a quality adjusted price, if you
9 want. So, for instance, take the case of Primark. If
10 Primark has a pack of five T-shirts and then it says,
11 well, we set a price of £10 but this is no longer
12 profitable, and then what we do is we do not change the
13 price but we actually cut on costs, which is similar to
14 one of the examples that you gave before. So the pack
15 of five T-shirts becomes a pack of four T-shirts, but
16 the price is still £10, that would be taken into account
17 if we had information on how many T-shirts are in the
18 pack.

19 So with granular data, it is a problem that to some
20 extent can be overcome.

21 PROFESSOR WATERSON: Yes, good. Thank you.

22 So this is essentially the simultaneity problem that
23 you have identified, that the assumption in the model is
24 that the correlation is from cost to price but it could
25 be the other way round.

1 How do the other three react to that?

2 Mr Coombs.

3 MR COOMBS: Maybe I will make two points.

4 The first is the point on the -- this sort of
5 reverse causation point. So I think on that, and I have
6 already explained that, certainly my analysis, I am
7 using a lagged model, and I think it is less likely to
8 be affecting the situation in a lagged model.

9 I think -- I agree with the point Dr Trento just
10 made, that in terms of the merchant data, because of the
11 way that our panels are designed, it should be picking
12 that up and making sure that we do not have that
13 problem.

14 In terms of the public data, obviously this is
15 something that is also looked at when the indices are
16 constructed. So when the ONS is constructing its
17 Consumer Price Index, it is always making sure that it
18 is making a like-for-like comparison and, you know, if
19 it is -- the price -- if it measures the price of four
20 shirts in January 2023, then when it comes to
21 January 2024 it is going to measure the price of four
22 shirts, not three shirts. It will make sure that it is
23 making that like-for-like adjustment.

24 Just more generally on the sort of extent to which
25 this might be a problem, I think, coming back to your

1 example, Professor Waterson, of the university. With
2 respect, I think universities are not typical of the
3 merchants that we are looking at. So this is one reason
4 why I did not actually analyse the data for the
5 University of Manchester, because as you said fees have
6 been fixed for the past more than ten years or whatever
7 until this year, until my daughter goes to university
8 and the fees go up, but --

9 PROFESSOR WATERSON: They only go up for her, of course, not
10 for people in the second and third year.

11 MR COOMBS: Indeed. But that is quite unusual. Most of the
12 merchants we are looking at, obviously they are
13 constrained by a demand curve and competitors, but they
14 do have, in some sense, the freedom to choose their
15 prices. When it comes to their costs, if they want to
16 renegotiate costs, they cannot just go and change the
17 cost in the same way they can change the price, they
18 have to negotiate. That then raises the issue of how
19 much bargaining powers do these retailers have against
20 their suppliers? So I think there is a difficult
21 question there.

22 So that was the first point I just wanted to make.
23 So, you know, I think I am rather sceptical about this
24 mechanism and the extent of supplier pass-on.

25 The second point I would just make is in terms of --

1 to the extent that this is relevant to Mr Merricks'
2 claim, where I am not quite sure exactly how relevant it
3 is, and I think this depends on how the Tribunal goes
4 about reaching its judgment in this case, but
5 hypothetically, you know, what Tribunal might do is the
6 Tribunal might look at the evidence that we have been
7 discussing over the past day and a half and, on the
8 basis of that, decide that there is some pass-through to
9 consumer prices, and that pass-through is X%. I am not
10 going to presumptively suggest what the number is today,
11 but the Tribunal says it is X%.

12 Then that leaves Y%. 100 minus X is Y%. That is
13 the remainder. So X% is the loss that consumers have
14 suffered. Y% is potentially the loss that merchants
15 have suffered. The argument that is being discussed now
16 is maybe it is less than Y, because maybe there was some
17 supplier pass-on, which means that some of that loss was
18 actually incurred by suppliers to the merchants, and not
19 all of it was incurred by the shareholders of the
20 merchants.

21 If the Tribunal sort of reaches its decision in that
22 sequence, this supplier question is a question between
23 the merchants and the schemes, because the Tribunal has
24 already decided that the loss to consumers is X%, and
25 that is the loss that had been suffered by the consumers

1 that Mr Merricks is representing.

2 So just in terms of the logic of this and how it
3 fits in, I just sort of wanted to make that point that
4 depending upon how the Tribunal thinks about this, it
5 might be that the issue of supplier pass-on is really an
6 issue between the merchants and the schemes rather than
7 an issue for Mr Merricks and his class.

8 Did that make sense?

9 PROFESSOR WATERSON: That would be quite handy for you.

10 MR COOMBS: Anyway, I just wanted to clarify that logic.

11 PROFESSOR WATERSON: Mr Holt.

12 MR HOLT: Thank you. I think I have four points.

13 The first is just building on your example of
14 shrinkflation. I do not see this as actually
15 inconsistent with the framework of cost pass-on. All
16 you have to do is think about, well, what is the price
17 per unit that the customer is paying? It has gone up.
18 Okay, sure, you have to maybe think about is it the
19 price per Mars Bar or the price per gram of Mars Bar?
20 If you want to think about it as the price per Mars Bar,
21 then perhaps the chain was: the cost went up, the price
22 would otherwise have gone up, and then there was a price
23 point concern, i.e. no-one is going to pay £1.10 for
24 a Mars Bar, we have to stay at 99p, so let us, you know,
25 get the cost of goods sold back down.

1 In other words, the chain was: the cost went up, the
2 price went up, but actually, you know, infinitesimally,
3 because they did not really want to do it, the price
4 went back down and costs came back down, mainly because
5 the relationship was we need to, you know, take account
6 of what are the variable costs when we set a price and
7 set something that makes sense.

8 I think in terms of the helpful example that
9 Dr Trento provided about the Primark T-shirts as a good
10 example of shrinkflation, I entirely agree. That would
11 be taken into account in our claimant modelling,
12 irrespective of whether you do product fixed effects,
13 because in that case you would look at only time
14 variation, and the switch from the, you know, £10 for
15 five shirts to £10 for four shirts would not be a data
16 point you would use, but you would look at whether at
17 any point in time and for any of the other products
18 costs did change and that impacted on prices.

19 Now, in Primark, actually, I have used the
20 subsection level, so those would likely be in the same
21 subsection, and the cross-sectional variation would
22 therefore be informative, and I think the
23 cross-sectional variation would indicate a relationship
24 in this particular example; in other words, the COGS for
25 the case of five shirts would be somewhat higher than

1 the COGS for the case of four shirts, and that
2 cross-sectional variation would both be taken into
3 account and indeed relevant, so I do not think it is
4 really a problem.

5 Let me make a more general point about simultaneity,
6 which Dr Trento has raised on a couple of occasions,
7 assuming that we are not having a whole separate topic
8 on it, but it has sort of already been captured.

9 In Holt 11, i.e. my first main report of the
10 proceedings, confusingly, I did acknowledge that there
11 could be a relationship of the type that Dr Trento
12 identifies; in other words, it could be that, for
13 example, because of an increase in demand, that would
14 both push up the price of the products I am looking at
15 in the public data, but also potentially push up the
16 cost of the inputs due to the increase in demand raising
17 the price for those as well. So I acknowledge that.

18 My answer to that was: I do not consider it likely
19 to be of great significance in the context where (a)
20 I am controlling for demand. In the public data I
21 control for demand, albeit in an imperfect way. But
22 perhaps more importantly, because I am carrying the
23 analysis out at a sub-sectoral level. So essentially
24 the supply elasticity at a sub-sectoral level,
25 i.e. a more disaggregated level of the economy, is

1 likely to be greater, because there is more scope for
2 substitution, and in general this simultaneous impact
3 between price and cost is highlighted more at the
4 aggregate level, i.e. the overall macroeconomy PPI/CPI
5 relationship.

6 My understanding of the literature is that that has
7 not been identified at the more disaggregated level, and
8 it certainly would not be expected to feature at the
9 claimant or individual firm level, and indeed, as I have
10 mentioned before, at the claimant level you can control
11 for this anyway through the more flexible demand
12 control, and indeed the results from the public data and
13 the claimant data, as I mentioned before, do not suggest
14 any significant issue.

15 So that is briefly on simultaneity.

16 I also do not think that the example given
17 earlier -- that if you raise the wage, that will feed
18 through into increased prices -- is one that is likely
19 to be of concern in the claimant analysis or in the
20 sub-sector analysis, because I can very well see that an
21 increase in wage of a McDonald's employee will lead to
22 perhaps some greater purchasing power. But how much of
23 that is going to go back into McDonald's burgers or, you
24 know, the sub-sector, I think the size of the effect is
25 probably modest.

1 Then, finally, on supplier pass-on. I have not been
2 instructed to address it, it is not a point of principle
3 that I think is consistent with my long-term framework,
4 but I can very well see, in the alternative world, that
5 the sets of facts -- counterfactual position of the
6 proceedings and relevant economic principles that
7 I think are most relevant, if the Tribunal for whatever
8 reason went a different route on that, then this would
9 be something that you would need to investigate,
10 potentially. My main concern in that regard would be
11 how would you proceed on that basis, given the nature of
12 the information disclosed?

13 PROFESSOR WATERSON: Thank you.

14 Ms Webster.

15 MS WEBSTER: Yes. I will be brief, because I think Mr Holt
16 has given a very fulsome answer, of which I agree with
17 actually I think almost all of what he said.

18 On his first point, about how to interpret the
19 shrinkflation example that you give. For me, that is an
20 example of an increase in the effective price that the
21 customer is paying. So I think that sort of is very
22 similar to the issue that we are measuring anyway in
23 terms of sort of the relationship between the cost and
24 the price.

25 I do not have anything to add on simultaneity on

1 this example with the wages. I have considered it in my
2 work and then considered that it is not a major issue.

3 Then in relation to supplier pass-on, again, it is
4 not an issue which I have been instructed to consider.
5 As an economist, I start from a position of I would
6 expect the profit-maximising firm to be optimising its
7 costs, and therefore, if there is to be a change in
8 costs, then the sort of -- as the economist, the most
9 natural solution to that is I do not expect the business
10 to go out and find further cost savings, because I would
11 expect they would have been found anyway, earlier, if
12 they were available.

13 Then I suppose I take a step back, just as I have in
14 relation to price pass-on, and say, but, you know, in
15 reality, the world is not always like that, and firms
16 are not always profit-maximising in quite the way that
17 we describe in this sort of fine-tuning of prices or
18 costs. So I do not rule out that, you know, in response
19 to an increase in costs the business may look harder at,
20 you know, all of the costs that it is incurring. More
21 management attention and focus on that may lead to some
22 savings.

23 Then that is where I need to stop because, for
24 certain, that is the sort of the role for the factual
25 evidence.

1 PROFESSOR WATERSON: Thank you.

2 So I think we will move on now to another topic.
3 Essentially it is my last topic. For this, I think we
4 will -- this is to do with the longer term and, in
5 particular, the fact that for Merricks obviously the
6 claim, as we have heard several times, covers a much
7 longer period. So this is the question of how much can
8 we infer from the evidence about the longer period, and
9 obviously this particularly concerns Mr Coombs, but it
10 may -- but I know that Mr Economides has also opined on
11 this point, and others may have a view on this point,
12 but it is probably not much of an issue for the
13 merchants currently pursuing their claim.

14 So, if we look back at -- you may think I have
15 forgotten about them, but if we look back at
16 Ms Webster's two diagrams, and we have a number of other
17 diagrams from Mr Economides which possibly represented
18 a different picture. So maybe, Mr Economides, you would
19 remind us of the sort of -- make a precis of what you
20 said yesterday.

21 MR ECONOMIDES: I am very happy to, and I appreciate that my
22 colleagues have not necessarily had the time to fully
23 process, so I will avoid providing specific numbers and
24 I will just focus on the principle, which is that some
25 of the data that we saw in Ms Webster's report

1 justifiably overestimates the change in penetration of
2 credit and debit cards over time, not in the sense that
3 the current level of penetration is wrong, but it was
4 not as low as it appears to be in the chart some years
5 ago. The penetration was probably already higher than
6 that chart indicated simply because of the way the value
7 of cheque transactions were dealt, and the fact that
8 they were included in the denominator of transactions in
9 the past when they were significant. They are still
10 included but they are only now 12% of the total, whereas
11 back then they were 80-something based on those
12 calculations, and a good portion of those -- I will not
13 venture to say what that portion might be -- referred to
14 business transactions, so therefore that has the effect
15 of depressing the card -- the debit and the credit card
16 share of total transactions.

17 PROFESSOR WATERSON: But your point about the earlier period
18 was that you were essentially speculating.

19 MR ECONOMIDES: I was speculating, I was making an educated
20 guess that with some -- backed by the data from the
21 British Retail Consortium for 2010, and using that as an
22 anchor, that, working backwards from this, at least for
23 2010, where the British Retail Consortium data exists,
24 the penetration was higher than that chart suggested.

25 Now, me trying to bring that data back to 1995, that

1 was the part that I did on Sunday, and that I can
2 appreciate is much -- it is more difficult to have
3 confidence on, but already in 2010 the number from the
4 British Retail Consortium was higher than that chart,
5 much higher than that chart suggested.

6 PROFESSOR WATERSON: Yes.

7 So, Ms Webster, I do not know whether you want to
8 come back on those issues at all?

9 MS WEBSTER: So the question which I have is I can talk
10 specifically about the card usage data, if that is what
11 is most useful, otherwise I could say more generally the
12 framework which I have been using to think about the
13 extrapolation over time, because I think only part of
14 what I have set out in my report relates to card usage,
15 and other elements of what I consider would be relevant
16 factors to consider over time are not related to card
17 usage but to card acceptance.

18 PROFESSOR WATERSON: Yes, of course, you have this other
19 diagram, the card acceptance one.

20 MS WEBSTER: That is right.

21 PROFESSOR WATERSON: But, forgive me, card acceptance has
22 gone up at the beginning of the Merricks period from
23 33%, if I am reading your diagram right, and is now up
24 at about 60%. So maybe you could say more about that
25 point and then come back to any other comments that you

1 want to make.

2 MS WEBSTER: Okay, thank you.

3 So the way that I have thought about whether one
4 needs to make an adjustment on pass-on rates; so let us
5 say as a result of the work that we have done we have an
6 estimate for pass-on for the merchant claim period, and
7 then the question is: do we need to make any adjustment
8 to that, going back in time to the Merricks' claim
9 period?

10 I think there are three factors which, in my mind,
11 would need to be taken into account.

12 The first one is: if we are in a world where, let us
13 say, the Tribunal has decided that most merchants treat
14 the MSC as a variable cost and seek to pass it on as
15 such, then the question is whether the pass-on rate for
16 that variable cost in the merchant period should be
17 adjusted going back in time, and I -- and what we have
18 also discussed, through the discussion about economic
19 theory yesterday morning, is that a key driver of the
20 rate of pass-on is the degree to which a cost is
21 commonly incurred across competitors.

22 So what I have thought about is whether, going back
23 in time, there is a lesser degree of commonality of MSC
24 costs which, if there were to be, that may cause me to
25 think, well, the pass-on rate in the Merricks' period

1 would have been lower. So I have investigated that
2 issue as best I can, acknowledging that, you know, the
3 data is what it is, and I have looked -- I have looked
4 at card acceptance rates, and so this is the figure in
5 Annex 2.

6 Just to say, there is a structural break in this
7 data where the recording approach differed and that is
8 where the dotted line is, so that is why the figures
9 jump down by 10%. So if one were recording on
10 a consistent basis, one might say that the increase --
11 and, sorry, you think the trend is the same -- one might
12 think the increase in penetration is something from sort
13 of 33 up to 80, rather than -- sorry, 70, rather than
14 60.

15 So what I have taken from that chart and that trend
16 is there is actually quite a big difference in
17 acceptance rates between the 1997, which is where this
18 goes back to, and 2021. Now, that potentially means --
19 sorry, and the other factor that I have taken into
20 account is sort of some limited factual evidence that
21 I could find, which is there did appear to be
22 competitors in retail markets that took a different
23 approach to whether they would accept cards or not. So
24 Waitrose accepted card payments in 1995 and M&S accepted
25 them in 2000 and, similarly, House of Fraser in 1994 and

1 John Lewis in 1999. So there is sort of -- generally
2 across the market there is an upward trend in card
3 acceptance, and then within some specific markets there
4 is evidence of competitors doing different things, which
5 to me means that there potentially is lower commonality
6 in the Merricks' period.

7 I have not tried to quantify that in any sense in
8 terms of what that means for lower pass-on in the
9 Merricks' period because I think the evidence is not
10 such that I am able to do that with any confidence, but
11 I note it is a factor.

12 PROFESSOR WATERSON: Does it vary a lot by sector? Have you
13 looked into that issue at all?

14 MS WEBSTER: I think that was difficult to do with the
15 dataset. What I did note was Mr Coombs has pointed out
16 again that there are some sectors that are included in
17 this chart which may not be retail, so it includes
18 agriculture, forestry and fishing, construction. So
19 what I have looked at is: is this trend that I observe
20 robust to excluding those sectors? The answer is that,
21 yes, it is. You still see the same trend in the
22 remaining sectors. The line shifts up slightly, so that
23 you end up with actually higher levels of penetration at
24 the end of the period, perhaps consistent with the sort
25 of feeling now that card acceptance is sort of

1 everywhere.

2 So that is the first thing that I have looked at and
3 the first factor.

4 Then what I have said is, okay, but to the extent
5 that pass-on rates may have been different in the
6 Merricks' period, that may be because, for merchants
7 that treated the MSC as a fixed cost, if the Tribunal
8 were to decide that there are some of those, the fact
9 that MSC costs may have been lower in the Merricks'
10 period may mean that this -- the lower costs and the
11 change in a lower cost would be less likely to trigger
12 these investment decisions or exit decisions such that
13 you get fixed -- such that you get pass-on through
14 a fixed cost mechanism.

15 Similarly, to the extent that MSC costs were lower
16 in the Merricks' period than in the merchant period,
17 then that may mean that merchants that treated the MSC
18 as a variable cost in the merchant period would have
19 been less likely to do so in the Merricks' period. So
20 they may just have thought the changes were -- sorry,
21 the costs were too small and the changes too small to be
22 worth the complexity involved for the business of
23 thinking about how to fine-tune their prices in response
24 to changes in the MSC.

25 So the card usage chart that I present, which is

1 Annex 1, is an attempt to understand the degree to which
2 MSC costs could have been lower in the Merricks' period,
3 and I have thought further about the information that
4 Mr Economides has shared, and also from Mr Coombs, and
5 I think where I have landed is these are all alternative
6 ways of trying to answer this question about what is the
7 increase in the share of retail transaction value that
8 is accounted for by card payments, and they all show an
9 upward trend.

10 So in this chart, Annex 1, I had an increase from
11 1995 to 2002 from 3.5% to 81%. Mr Coombs' data, if
12 I have understood it correctly -- I am sure he will
13 correct me, if not -- shows an increase in total card
14 usage from 20% to 62%. Then Mr Economides' data, which
15 is only 2010 to 2022, shows an increase from 67% to 85%.

16 I will not comment again on the backward
17 extrapolation that Mr Economides has done, but one could
18 imagine if the same trend continued further back in
19 time, it would go to a sort of materially lower level
20 than he suggested from his extrapolation yesterday.

21 So therefore, from all of those sources of data, it
22 is a fairly consistent pattern that actually, going back
23 in time, card transactions would have accounted for
24 a considerably lower proportion of retail transactions.

25 It is perhaps also just worth emphasising the

1 absolute change in volume -- in the value of card
2 transactions. So between 1995 and 2022, credit card
3 transactions, the value of those grew by 400%, and debit
4 card transactions by 2,500%. So there really is
5 a very --

6 PROFESSOR WATERSON: In pounds?

7 MS WEBSTER: Yes, in absolute terms.

8 So there is -- there just is a very marked change,
9 I think, sort of a bit reflecting your comment about
10 payment by cheque -- or standing behind people paying by
11 cheque in Sainsbury's.

12 So the question then -- so I have used these as
13 a proxy for MSC costs, I have looked at usage, and
14 I accept that usage does not equal cost, because it
15 depends on the price that the merchants need to pay.

16 PROFESSOR WATERSON: Yes, and my understanding is that the
17 MIF was higher, or the interchange fee was higher in the
18 earlier period than it is now.

19 MS WEBSTER: Yes. So I have looked at that, and I have
20 looked at -- I went to the PSR report which was
21 undertaken in 2021, so published in 2021, that reports
22 the change in the MSC over the period when the IFR came
23 in. So it looks at the period 2014 to 2018, when the
24 big change in MIFs occurred, and what that shows is the
25 blended MSC that merchants were facing did not change,

1 so it is largely flat. There was a change certainly in
2 part of the MSC, I think, that was related to credit
3 cards, so that came down, but because the volume of --
4 sorry, because debit card usage was considerably more
5 than credit card usage at that time, the MSC rate was
6 dominated by the debit part of the MSC, and therefore
7 the average MSC has been fairly constant.

8 PROFESSOR WATERSON: So in the early period it was mostly
9 credit cards which attracted a higher MSC, but now it is
10 debit cards more?

11 MS WEBSTER: Yes, and I have not been able to look at a data
12 source which brings those together. That would be
13 a relevant thing to do, I agree.

14 PROFESSOR WATERSON: Okay. So, accepting what you have
15 done, there are considerable uncertainties about what
16 you say because in the earlier period the data is so
17 much worse?

18 MS WEBSTER: I think that is right.

19 I have also looked at a report -- actually it is one
20 of your reports, Mr Holt. I now cannot remember the
21 timeframe that is covered, but that also shows -- this
22 was Holt 8 in these proceedings - shows, again,
23 a relatively flat MSC charge and I can, with time,
24 maybe, look that up.

25 PROFESSOR WATERSON: Thank you.

1 Well, maybe that will be a topic for Mr Holt to be
2 cross-examined on because he is coming up this
3 afternoon.

4 MR HOLT: I think I would struggle to remember exactly what
5 I said in Holt 8, to be absolutely honest. I might need
6 some time to go back and look at it, if that was going
7 to come. I have not focused on that for these
8 proceedings.

9 PROFESSOR WATERSON: Mr Coombs, I am sure you will want to
10 come back on some of these points.

11 MR COOMBS: Thank you.

12 So maybe just as a preliminary point, sir, you said
13 at the beginning of this topic, Professor Waterson, that
14 this is sort of an issue for Mr Merricks' claim and I am
15 not quite sure how far you went in terms of saying it
16 was of less importance or no importance for the merchant
17 claim period.

18 I just note that if you look at the merchant data
19 that has been provided, with the exception of Allianz,
20 Allianz is the only claimant that has provided data
21 covering the whole claim period. For the other
22 merchants their data does not cover the whole claim
23 period; it only covers the last part of their claim
24 period. So potentially there is also an issue here in
25 terms of the merchant claimants as well.

1 So then sort of moving on to the issue. So
2 Ms Webster has described sort of two sets of data which
3 relate to her two graphs and sort of two theories that
4 she has put forward here.

5 So, starting with Annex 1 and card usage. So my
6 understanding is that what she is saying is that if card
7 usage was lower, then the MSC would have been a smaller
8 proportion of a merchant's cost and therefore they in
9 some way would be less likely to have passed it on
10 because they would have been less likely, I think, to
11 treat it as a variable cost, rather than a fixed cost.

12 So, first of all, I do not really agree with that
13 theory. I do not agree with the idea that pass-on is
14 dependent upon the size of the MSC cost and that is --
15 I mean, I talked about this yesterday, but we are
16 looking at long-run pass-on and although people may be
17 inhibited from passing on a cost increase in the short
18 run, due to menu costs and other transaction costs,
19 those become overcome in the long run. So I do not
20 agree that size actually should affect the level of
21 pass-on in the long run, which means that really
22 I therefore do not really engage at all with the
23 analysis, but, you know, even if one were to accept the
24 theory, which I disagree with, as we have sort of
25 discussed yesterday, you know, this graph, I think, does

1 not give a correct picture because the denominator it is
2 using, the estimate of the retail sector, is declining.
3 It more than halves over time.

4 Ms Webster has now sort of quoted what the figures
5 would be using the numbers that I found over the weekend
6 or the numbers that Mr Economides has found. It does
7 show that there is an increase in card usage. I do not
8 think that really is controversial and I think we all
9 know from personal experience that card usage has
10 increased over time, but the increase is much less
11 dramatic than shown in this diagram using these
12 alternative sources of information.

13 As Ms Webster also discussed, you know, what you
14 need to do is you need to take the card usage and you
15 need to multiply it by the MSC. Now, she referred to
16 some evidence which I, to be honest, have not seen so
17 I cannot really comment on that. All I can comment on
18 is that I think she was referring specifically to
19 blended contracts, so it is important here to understand
20 that merchants -- there are two types of contracts that
21 a merchant has with an acquirer. One is a blended
22 contract, where they negotiate a level for the MSC, and
23 it is called blended because the same MSC will typically
24 apply to Mastercard and Visa transactions and different
25 types of transactions. That is one type of contract.

1 There is another type of contract, which is called IC+
2 or IC++, and in those contracts what happens is there is
3 direct pass-through of the interchange fee. So
4 effectively what the contract specifies that the amount
5 paid is the interchange fee, plus a mark-up, or it is
6 the interchange fee and scheme fees, plus a defined
7 mark-up.

8 So with those contracts there is automatic
9 pass-through of a change in the interchange fee and that
10 means that, according to those contracts, when the
11 interchange fee went down, as a result of the
12 Interchange Fee Regulation -- I cannot quite remember
13 when it came in but at some point during this period --
14 that would have automatically reduced the MSC for those
15 merchants and my understanding is that, although those
16 contracts were less common in earlier years, they have
17 become much more common in recent years and cover
18 a significant part of the market.

19 So I am getting to the sort of limit of my
20 understanding of these facts, but it seems to me that
21 there is a very relevant question here about what
22 happened to the MSC, not just on blended contracts but
23 on these other contracts, and how that feeds through
24 into the card usage and therefore into the costs that
25 were actually incurred by the merchants.

1 I think there is -- I think this is much more
2 complicated than this graph, even if it were correct, is
3 actually showing.

4 So you will then get to something which might show
5 or might not show that there has been an increase in the
6 cost to merchants. I do not really think that that is
7 relevant, but if one does think it is relevant, then
8 I think there is a question about materiality and
9 threshold here. How much would this have to have
10 increased in order to have affected pass-on? That is
11 something which, you know, Ms Webster does not really
12 set out what the threshold is that she would be sort of
13 defining here, but I think there must be some threshold
14 in place as to where this actually has some effect.

15 So that is the theory regarding card usage.

16 The other theory is regarding card acceptance. So
17 this is then the graph in Annex 2. So the theory here
18 is that when you have low card acceptance, then the MSC
19 is not a market-wide cost and when you have high card
20 acceptance, the MSC is a market-wide cost.

21 Now, the important point -- well, I think one
22 important point to recognise here is that when we talk
23 about whether the MSC is a market-wide cost and how that
24 affects pass-through, the MSC is somewhat different from
25 other types of costs. So, you know, generally when we

1 have been talking over the past day and a half about the
2 concept of a market-wide as opposed to a firm-specific
3 cost, we have been thinking about something which is an
4 exogenous cost shock to the business. So a grocery
5 chain finds the cost of baked beans has gone up and
6 then, in deciding whether to pass that through or not,
7 it depends to some extent on whether its competitors
8 have suffered the same cost shock. The MSC is not
9 a cost shock in that sense of it coming from outside.

10 The MSC, for these purposes, what we are looking at
11 is a decision by a merchant to accept cards and
12 therefore pay the MSC and when it makes that decision,
13 it knows that it is going to pay the MSC and it will
14 only do so if there are advantages from card acceptance
15 that justify paying the MSC, which generally means it
16 will gain some competitive advantage over other firms in
17 the market or it will redress the competitive advantage
18 it currently faces if they accept cards and it does not.

19 So I think it is a more complicated concept here and
20 one needs to take account of the fact that merchants
21 gain an advantage which mean that they may well be able
22 to pass through the MSC to their card holders because
23 they gain that competitive advantage and they provide
24 more convenience to their card holders.

25 Leaving that aside, and if we just sort of take

1 a look at the graph, I think the important point here,
2 which Ms Webster touched on, is what is relevant here is
3 what is happening at the market level. So the theory
4 here is that the graph is showing that card acceptance
5 went up. What we are really interested in is not card
6 acceptance at the level of the UK economy but card
7 acceptance is the individual market where the merchant
8 competes.

9 So one explanation of this graph is that what
10 happened was, well, at the beginning of the period there
11 were different sectors where card acceptance was -- in
12 the extreme case, it was card acceptance was 33% across
13 all these sectors, across, you know, supermarkets and
14 public houses and other sectors, and by the end it had
15 increased to 60-something per cent in the grocery sector
16 and public houses and other sectors, but there is an
17 alternative explanation as to what this graph is
18 showing, which is that there are some sectors at the
19 beginning of the period where there was a lot of card
20 acceptance, such as maybe groceries, and some sectors
21 where card acceptance was virtually non-existent, such
22 as public houses, and then by the end of period we reach
23 a situation where a lot more sectors we find card
24 acceptance, such as public houses, and card acceptance
25 is now sort of predominant across all of these sectors.

1 So the graph does not really tell us which of those
2 scenarios is correct.

3 PROFESSOR WATERSON: But do you have evidence of this?

4 MR COOMBS: No, we do not. As I say, we do not.

5 Unfortunately the situation is that, you know,
6 Mr Merricks asked Mastercard for data that was at a more
7 disaggregated level and Mastercard was not able to
8 provide that data. So we do not really know what this
9 graph is showing. We do not know whether it is showing,
10 you know, a change in card acceptance at the market
11 level or whether it is just showing that the number of
12 markets in which card acceptance took place increased
13 over time.

14 So I think that is a fundamental problem with this
15 graph, that it does not really address the question that
16 we are asking it to inform us about.

17 So I think -- well, I think I will stop there.

18 I think, in summary, my view is I do not really
19 think this evidence actually answers the questions that
20 we are asking here about what changed between these
21 periods.

22 PROFESSOR WATERSON: Just to ask you one point. Of course
23 the other thing that has changed over time is that there
24 used to be a fixed charge plus a variable charge and now
25 there is simply a variable charge since the IRF came in.

1 So do you think that is relevant to what you say?

2 MR COOMBS: That is -- I do not think -- well, it is --

3 well, I will be honest, it is not a question that I have
4 really previously thought about. I do not think it does
5 affect things because I think the hypothesis that
6 Ms Webster is putting forward is based on the level of
7 cost that the merchant is incurring, rather than the
8 structure of that cost. So I do not think it is
9 relevant. I will be interested to know what Ms Webster
10 thinks about that question.

11 PROFESSOR WATERSON: The point I make is that card

12 acceptance was often conditional in many retail
13 situations, you know, card acceptance above £5, let us
14 say.

15 MR COOMBS: Or else there was a surcharge if the amount was
16 below a certain level, which if there was a surcharge,
17 then obviously that leads to a pass-through to
18 consumers.

19 PROFESSOR WATERSON: Thank you.

20 Mr Holt, do you want to comment on this?

21 MR HOLT: I think probably nothing really to add. It was
22 not an issue that was directly relevant to me.

23 I would only add that perhaps it is relevant perhaps
24 to look at, in any of this data, something that is sort
25 of like-for-like and relevant and I can see the points

1 made by the various experts as to how one might do that
2 to ensure you are looking at the right base of
3 transactions. Just, for example, on one of the charts
4 that said 60% acceptance, if the base includes all
5 businesses, including self-employed builders and so on
6 who maybe only accept cash, I would not put a lot of
7 weight on 60% in that context as a real indicator for
8 what is happening in the merchant retail world.

9 PROFESSOR WATERSON: Thank you.

10 Dr Trento, do you want to say anything on this
11 topic?

12 MR TRENTO: I think everybody wants to go to lunch and I do
13 not have anything to add.

14 PROFESSOR WATERSON: Yes.

15 THE CHAIRMAN: I think Ms Webster wanted to say something.

16 PROFESSOR WATERSON: Do you want to come back?

17 MS WEBSTER: Now lunch has been mentioned, I shall be as
18 quick as I can.

19 Just to clear up two issues on the data. So the PSR
20 data -- the PSR study 2021, which reports the change in
21 the MSC -- in fact very little change in the MSC -- just
22 for reference, it is figure 10 and it is not obviously
23 only blended contracts. It says that it is calculated
24 by dividing the total value of fees paid for
25 card-acquiring services by the total value of purchase

1 transactions. So it is a more aggregated analysis.

2 I have also found my reference to Holt 8 and can
3 confirm the data covered 2012 to 2018 and so it would
4 not cover the earlier period on a like-for-like basis.
5 So that is helpful to know.

6 PROFESSOR WATERSON: Thank you.

7 MS WEBSTER: I wanted to come back on two points that
8 Mr Coombs raised.

9 The first one is in relation to the MSC not being
10 like other costs and merchants having the choice as to
11 whether to accept cards and perhaps doing so only in
12 a world where they can pass on the additional costs
13 associated with that as a result of the competitive
14 advantage that they might face.

15 I mean, I think that that may be the case for some,
16 but I think the evidence would suggest that there are
17 other reasons why merchants would have accepted cards
18 and, you know, not conditional on the ability to pass
19 that on. I mentioned these in my second report, my
20 reply report, and I found some studies which -- just to
21 give you an indication, there were quite a long list of
22 studies, but basically research studies and they -- so
23 a study of UK retailers on behalf of the Joint Credit
24 Card Company found that accepting credit cards promoted
25 sales and avoided the £50 cheque guarantee limit.

1 Responses to a UK Monopolies and Mergers Commission
2 investigation in 1989 stated that accepting cards
3 generates extra business. 71% stated that it guaranteed
4 payment. 54% stated that it enables purchases of over
5 £50 cheque limit. 53% stated that it allowed for
6 a quick settlement.

7 So there is a variety of reasons. So I think one
8 cannot automatically assume that because a retailer
9 accepted cards, that it was -- it had an expectation of
10 being able to pass on the additional cost.

11 I am also not quite sure quite where that argument
12 goes, to the extent that a merchant decided that it
13 would be worth their while to start accepting cards and
14 then, in the counterfactual, there is a reduction in the
15 MSC that they pay. Well, if their competitors are not
16 also accepting cards, then there is less of an incentive
17 for them to pass it on, if there was to be a reduction
18 in the MSC in the counterfactual. So I think
19 commonality -- it does not get around the issue of they
20 are not -- well, the issue if there were to be less
21 commonality in the Merricks' period.

22 Then my final comment would be that I do accept the
23 description that Mr Coombs sets out. It could be that
24 lower acceptance is still high acceptance in every
25 sector that has decided to move towards card acceptance

1 and then the growth in acceptance rates is adding on
2 additional sectors and that is why I also sought to take
3 some comfort from the factual evidence and the examples
4 of retailers who were operating in the same sector --
5 I would say direct competitors -- but having a different
6 approach to card acceptance, and I think overall when
7 I -- I think if I were to place more weight on some of
8 these arguments, because I have talked about three
9 mechanisms by which pass-on could be lower, my sense is
10 that this lower commonality, a lesser degree of
11 commonality in the Merricks' period is probably the more
12 important and could lead to a materially lower rate of
13 pass-on.

14 I think then there is a question of, you know, quite
15 how merchants decided that they would treat MSC costs.
16 Was it variable? Was it fixed? You know, that is where
17 the factual evidence comes in and I think would be
18 a relevant determinant for the question which Mr Coombs
19 poses as to I have not set out a hurdle which is when an
20 MSC cost falls to this level, then, okay, now we can
21 assume that the merchant treated it as fixed. I am not
22 able -- I am not in a position to be able to say what
23 that would be, but I think that is where the sort of
24 consideration of the factual evidence would come in.

25 PROFESSOR WATERSON: Thank you.

1 Very briefly, Mr Coombs.

2 MR COOMBS: Everyone keeps talking about lunch so I am
3 conscious of that.

4 I just wanted to come back on this point about when
5 we look at card acceptance, are we looking at a change
6 in card acceptance across all sectors, that card
7 acceptance has increased across all sectors, or are we
8 looking at high card acceptance in some sectors, no card
9 acceptance in other and over time more sectors start
10 accepting cards? So I think there are two points here.

11 One is the sort of economic theory. Economic theory
12 would suggest that you would expect there to be high
13 card acceptance in sectors where there is card
14 acceptance. If you are a merchant who accepts cards,
15 then you have an advantage over your competitors, you
16 know, and Ms Webster has just listed many of the
17 advantages. So your competitors in some way are going
18 to react to that. They need to start accepting cards,
19 otherwise they are going to be left at a competitive
20 disadvantage.

21 So economic theory would suggest that you would
22 expect to see high levels of card acceptance in some
23 sectors and in other sectors there may be no card
24 acceptance. It would be surprising equilibrium where
25 you have this sort of split between some merchants

1 accepting cards and some that do not.

2 In terms of the factual evidence, I mean, I think it
3 can be interpreted the way that Ms Webster put it, but
4 it can also be interpreted the opposite way, which is
5 that you have some very large retailers here. So the
6 John Lewis Group -- I mean, Waitrose is part of the
7 John Lewis Group so that is actually one merchant -- and
8 Marks & Spencer, so these are large merchants who
9 decided, "We are not going to accept credit cards, even
10 though our competitors do". What happens? They gave
11 up. They could not sustain that. They had to cave in
12 and start accepting cards. So, I mean, that evidence
13 actually suggests to me that it is not really
14 sustainable. Even if you are a very large retailer with
15 a well-known brand, eventually if all your competitors
16 accept cards, then you have to start doing the same.

17 PROFESSOR WATERSON: Thank you.

18 Yes, both these things are essentially speculation
19 in the absence of significant evidence.

20 MR COOMBS: I agree. I am just saying that you can
21 interpret the evidence in different ways.

22 PROFESSOR WATERSON: Thank you.

23 THE CHAIRMAN: Well, not only is it lunch but I think that
24 is the end of the hot-tub.

25 PROFESSOR WATERSON: Yes, that is right. You are out of the

1 hot-tub and into the cold.

2 THE CHAIRMAN: Mr Holt, I am afraid you are going to be
3 straight into the witness box so you are released from
4 the purdah regulations over the lunch period, and
5 everyone else is released, but we will start with you.

6 Thank you very much, all of you, for an enlightening
7 session, one and a half days.

8 We will give you the extra five minutes, so we will
9 come back at 2.05.

10 (1.05 pm)

11 (The luncheon adjournment)

12 (2.05 pm)

13 THE CHAIRMAN: Good afternoon.

14 MR JOWELL: I call Mr Derek Holt.

15 THE CHAIRMAN: I think we need you to swear in again, yes,
16 please.

17 MR DEREK HOLT (affirmed)

18 Examination-in-chief by MR JOWELL

19 THE CHAIRMAN: Thank you, Mr Holt. Please sit down.

20 MR JOWELL: Mr Holt, you should see in front of you, at
21 {RC-F/19/1}, a copy of your eleventh expert report. Do
22 you see that?

23 A. Yes.

24 Q. If you could go, please, to page 233 in that.

25 {RC-F/19/233}

1 A. Yes.

2 Q. You should see there a declaration and statement of
3 truth. Over the page, on 234, are those your
4 signatures? {RC-F/19/234}

5 A. They are.

6 Q. Is this statement true to the best of your knowledge and
7 belief?

8 A. Yes.

9 Q. Could you go, please, to {RC-G/17/1}. You should see
10 there a copy of your twelfth expert report.

11 A. Yes.

12 Q. If you could go, please, to page 191 of that document
13 {RC-G/17/191}.

14 A. Yes.

15 Q. If you go over the page, you see two signatures. Are
16 those your signatures? {RC-G/17/192}

17 A. Yes, they are.

18 Q. Is that report true to the best of your knowledge and
19 belief?

20 A. Yes.

21 Q. Are there any points you wish to correct or add to your
22 two reports?

23 A. No.

24 MR JOWELL: Thank you.

25 Please wait there, Mr Beal will have some questions.

1 Cross-examination by MR BEAL

2 MR BEAL: Mr Holt, good afternoon. I am going to start with
3 what Mr Justice Barling used to call the usual weasel
4 words.

5 We cannot sensibly cover every point in your very
6 extensive written evidence, so the fact that something
7 is not directly challenged does not mean it is accepted
8 by us, and we have had a direction from the Tribunal
9 that I do not have to put my full case to you, so this
10 cross-examination proceeds on that basis.

11 Now, in your eleventh expert report, paragraph 1,
12 you say you have already provided an overview of your
13 expertise, and you refer to your first report where you
14 have done so.

15 Could we look, please, in that first report
16 {RC-K/5.1/1}. If we could scroll down, please, to
17 paragraph 1 in that report. {RC-K/5.1/5}

18 You say there that you have -- your name is as set
19 out, you have over 25 years' experience, and you were:

20 "... previously instructed on behalf of Visa Inc and
21 Visa International Services to provide expert evidence
22 as part of the *Sainsbury's v Visa and others* proceedings
23 ..."

24 Just pausing there. That litigation started in
25 about 2013, is that right?

1 A. Yes, although I believe I was instructed closer to
2 around 2015.

3 Q. Were you instructed by Visa on anything before that
4 date?

5 A. No.

6 Q. In terms of -- could we then go, please, to page 21
7 {RC-K/5.1/21}. That says, about three or four
8 paragraphs down, if I can just find it in my version,
9 the last paragraph on that page:

10 "Derek acted as the testifying expert on behalf of
11 Visa Inc in relation to one of the largest UK
12 competition litigations ... He also appeared as economic
13 expert on behalf of Visa in an oral hearing in relation
14 to the European Commission's investigation into whether
15 inter-regional multi-lateral interchange fees breach
16 competition law ..."

17 When did your work with the EU Commission start?

18 A. It was around that time, in 2015, I referred to earlier.

19 Q. Now, we know from Trial 1 that there was a commitments
20 decision in 2014. Were you involved in the procedure
21 that led to that commitments decision?

22 A. No.

23 Q. So this was your involvement leading to the commitments
24 decision that was given in 2019, is that right?

25 A. Yes.

1 Q. Were you involved from 2015 to 2019 in work presenting
2 Visa's case to the European Commission?

3 A. I would not say I was involved on an actual basis
4 throughout that period. The main focus I had was on an
5 issue around the exemption part of that debate, and
6 during much of that period, as you may recall, the UK
7 proceedings were occurring, so the *Sainsbury's* and *Asda*
8 ones. So I think my main focus from -- throughout most
9 of 2015 through 2017, as it pertained to acting for
10 Visa, was that.

11 Q. Could we look, please, in your eighth report, that is
12 {RC-K/21.5/14}. Could you re-familiarise yourself --
13 I note what you said in the hot-tub, that you have not
14 studied this yet again -- with paragraphs 2 and 3.

15 A. 2 and 3. (Pause)

16 Sorry, paragraphs 2 and 3.

17 Q. That is back on the page it was just on. Thank you.
18 Paragraphs 2 and 3. (Pause)

19 A. Would it be possible to expand the size little bit?

20 Yes. (Pause)

21 Yes.

22 Q. So is it a fair reflection that you have become
23 a regular expert for Visa, putting it no higher than
24 that?

25 A. I have acted on a few cases.

1 Q. Have you been involved in the further commitments that
2 Visa gave in July 2024, this year?

3 A. No.

4 Q. Were you involved in Visa's interaction with the
5 EU Commission in relation to the Interchange Fee
6 Regulation or the review of that regulation?

7 A. No, I do not think so. No, I cannot recall having
8 advised on that.

9 Q. Are you aware that Visa does instruct economists to do
10 work that it then uses to persuade regulatory bodies to
11 adopt a particular regulatory point of view?

12 A. I am aware that they have appointed economic advisors
13 for various purposes.

14 Q. Could we look, please, at {RC-J1.7/1/1}. This is
15 a paper written by Chang et al, called:

16 "The Effect of Regulatory Intervention in Two-Sided
17 Markets: An Assessment of Interchange-Fee Capping in
18 Australia."

19 This does not appear to have been on your reading
20 list of academic articles?

21 A. I mean, I cannot recall if I cited this article, and
22 you, I think, perhaps have given the answer that I have
23 not, and that is -- I am happy to accept that. I would
24 have to re-familiarise ... It may be that I have looked
25 at this at some point in the past. Obviously this looks

1 at the impact of interchange fee capping in Australia,
2 so I think there was a fair bit of debate on that topic
3 in the context of Trial 1, as I recall, so -- because
4 the Australian example was cited as an important example
5 of what might happen if you either reduced or changed
6 the MIF structure.

7 Q. Dr Frankel gave evidence on it. That is not why I am
8 asking you about it.

9 Could we look, please, at the footnote marked with
10 an asterisk, which identifies the author and refers to
11 a previous version of this paper. Then it has as the
12 last sentence, or the second to last sentence:

13 "We also appreciate superb research help of [various
14 individuals] and financial support from Visa USA. We
15 retain the rights to all errors."

16 So this was a paper that received funding, was it
17 not, from Visa USA?

18 A. It does seem to say so, yes.

19 Q. I am inferring that you were not familiar with it when
20 I showed it to you?

21 A. I have not -- at the very least I have not looked at it
22 recently. I may -- and, again, you know, I have looked
23 at a lot of documents in the course of the proceedings.
24 I cannot precisely recall if I cited it in the previous
25 part of the proceedings. I do not think I have in these

1 proceedings.

2 Q. I infer from that that you are not aware of your client
3 drawing it to your attention, either, specifically?

4 A. I am not aware of the client having drawn it
5 specifically to my attention.

6 Q. Could we look, please, at the abstract, which gives us
7 the general direction of travel of the paper.

8 A. Sure.

9 Q. Right at the top of that page, under the section,
10 "Abstract". Perhaps magnify that somewhat.

11 It explains it is examining the impact of:

12 "... the Reserve Bank of Australia's decision to
13 reduce interchange fees on credit cards in Australia by
14 almost half."

15 The authors find that:

16 "... in the short run, issuers have recovered
17 between 30 and 40 percent of the loss of interchange
18 fees. Merchants have benefited from lower fees but it
19 is questionable whether those benefits have been
20 substantially passed on to their customers. The
21 per-transaction price at the point of sale has not
22 changed significantly and there is relatively little
23 evidence thus far that the intervention has affected the
24 volume of card transactions in Australia."

25 So that is where they are getting to.

1 Could I please pick up on some salient points of
2 detail, starting, please, at page 7 of this document.
3 {RC-J1.7/1/7}

4 In the last paragraph on that page, if we could
5 expand that, it refers to the magnitude of the change,
6 coupled with the linear demand curve, would, as a matter
7 of theory, imply less than full pass-on. Can you see
8 that in the last sentence?

9 A. Yes, I do.

10 Q. Then on the next page, page 8, if you could read,
11 please, the first two paragraphs on that page
12 {RC-J1.7/1/8}. (Pause)

13 A. Yes.

14 Q. So these authors, when they are looking at the impact of
15 a MIF reduction in Australia, consider that as a matter
16 of theory, the relevant empirical evidence would imply
17 less than full pass-through, and that instant taxation
18 is the only example they can find of figures above 100%.
19 Do you see that?

20 A. Yes.

21 Q. Then, please, at page 9 {RC-J1.7/1/9}, the next page,
22 the last paragraph:

23 "Merchants on the other hand experienced a
24 relatively small reduction in cost. If fully
25 passed-through by acquirers, the interchange fee

1 reduction amounts to less than half a percent of their
2 selling price (and only on those transactions that take
3 place on credit cards). The evidence on price
4 rigidities, and particularly the one on asymmetric price
5 responses cited above, makes one doubt that such a small
6 cost reduction would affect final goods prices very
7 quickly, even if there were extensive retail
8 competition."

9 So that is the overall conclusion they reached.
10 That, with respect, is at odds with the conclusion you
11 invite this Tribunal to draw, is it not?

12 A. Well, I would not reach that conclusion. I make
13 a number of remarks about this.

14 So the study seems to be published in 2005, so they
15 would have had evidence, obviously, for a period of time
16 prior to that, and I have not been able to see in the
17 study exactly what timeframe they actually had access to
18 the information for, but obviously the Australian
19 regulation I believe started to come into effect around
20 2003, if I am not mistaken, and so it may well be that
21 there was some time for any transmission mechanism to
22 occur that may not have been fully picked up in this
23 data.

24 But I think actually what this seems to do is to
25 raise two important issues. One, it questions what was

1 happening at the upstream part of the market, the
2 acquirers, and to the extent that they had not passed
3 everything through, then you would not of course expect
4 retailers to pass the component that the acquirers did
5 not pass through. Then, secondly, consistent with the
6 approach I have adopted, and I think in line with the
7 other experts, there is a signal to noise ratio issue,
8 and I do not think an empirical study, looking at the
9 extent to which there have been reactions to changes in
10 MSCs, and here we do not even know what the MSC change
11 was, can really tell you that much due to the signal to
12 noise ratio issue.

13 Q. Could we look, please, at page 14 of this document
14 {RC-J1.7/1/14}. They conclude at the top of the page,
15 that, relying on various estimates and analysis they
16 have done, the average reduction in overall merchant
17 costs was 50% of 0.42% or 0.21%. So that is dealing
18 with the first issue you identify.

19 They then set out in the third paragraph on that
20 page:

21 "The very little empirical evidence there is
22 suggests that, in fact, merchants have tended not to
23 pass through the reduction in the merchant discount to
24 consumers in the form of lower prices. Cannex, an
25 independent research group, surveyed merchants in

1 Australia regarding the impact of the interchange fee
2 regulation on their regular business practices. Among
3 merchants who reported a change in the merchant discount
4 during the previous year, less than 5 percent declared
5 that they had reduced prices to consumers. On the other
6 hand, more than 20 percent reported that their profits
7 had increased and almost 60 percent reported that they
8 had not experienced any changes in their regular
9 operations."

10 So that would suggest, would it not, that when the
11 prices that affected it is low, it is unlikely to be
12 passed on through lower prices to consumers?

13 A. Well, I think I disagree primarily for the reasons
14 expressed before. The top of this identifies what the
15 nature of the change was, and that makes it very
16 difficult to ascertain with any real, I think, empirical
17 rigour what the rate of pass-on was. The references to
18 50% seem to be affected by the uncertainty associated
19 with the small change in the signal to noise ratio.

20 Q. Could we go back, please, to page 13 and I will give you
21 some meat on the bones, under the heading 5.1.2,
22 "Acquirers, merchants and consumers":

23 According to the RBA, the reduction in interchange
24 fees imposed by regulation led to a reduction in
25 merchant service fees ... The average merchant service

1 fee that the now regulated systems charge fell from 1.41
2 percent immediately before regulation to 0.99 percent in
3 the quarter ending June 2004. The RBA estimates that the
4 fall in the merchant discount represents savings to
5 merchants of over \$500 million per annum.

6 "We consider the extent to which this decrease in
7 costs to merchants was passed on to consumers."

8 It is the pass-on to consumers, notwithstanding that
9 substantial reduction in the cost to merchants, they
10 considered had not been shown by the empirical evidence.

11 A. Well, yes. But as this paragraph says, the reduction in
12 cost was quite small for retailers. Not in absolute
13 terms; 500 million you might say is a significant
14 amount, but in the overall Australian economy, which is
15 probably close to 500 billion US -- sorry, Australian
16 dollars, maybe a bit less, maybe it is not --

17 Q. Well, it is the prevailing rate that is going from 1.41%
18 of the transaction value to 0.99% afterwards; correct?

19 A. Yes.

20 Q. That is higher than the change that you would posit for
21 the abolition of the 0.2% MIF charge as a component of
22 the merchant service charge in your counterfactual?

23 A. I think that is right on an average. I think --

24 Q. Well, it is two and a half times, is it not? 0.5 is 2.5
25 times bigger than 0.2.

1 A. Is 0.2 the ... I am not sure if 0.2 is --

2 Q. I beg your pardon, let us just say it is 0.4 as

3 a difference. That is twice as much as 0.2.

4 A. I think I can agree to that.

5 Q. Good. I will sit down while I am ahead.

6 A. My point is in an empirical analysis, trying to look at

7 how a retailer is reacting to a 0-point -- whether it is

8 a 0.2 or 0.4 change, there is so much noise in what

9 retailers are doing due to a range of other things that

10 I would be unlikely to want to put much weight on this

11 sort of analysis, and that is exactly where all the

12 experts came to a view that we needed to look at

13 proxies.

14 Q. Now, in this particular case, as you have identified,

15 there is an issue between the merchant acquirer and the

16 merchants in terms of a pass-on issue. That is correct?

17 That is for Trial 2B.

18 A. Yes.

19 Q. I understand that Visa has accepted that there is no

20 issue for merchants that are on IC+ and IC++ contracts?

21 A. I think that is correct.

22 Q. So for them we do not have to worry about acquirer

23 pass-on, because it is assumed that pass-on is complete?

24 A. Yes.

25 Q. Now, you would accept, presumably, that when looking at

1 the issue of acquirer pass-on, which is a form of
2 indirect pass-on, is it not, one would need to apply the
3 same economic principles as applied to the different
4 form of indirect purchaser pass-on from acquirer to
5 merchant and from merchant to customer?

6 A. Yes.

7 Q. You would accept that the consistency of that approach
8 would be a virtue in -- as a matter of professional
9 discipline as an expert economist?

10 A. Yes.

11 Q. Could we look, please, at {RC-K/6.1/9}. Could we look,
12 please, at paragraph 20 of this. This is your third
13 report.

14 A. Yes.

15 Q. At paragraph 20 at the bottom of the page, you are
16 dealing with a sixth fact from the Supreme Court which
17 related -- we will see in paragraph 19 what the sixth
18 fact that you identified was:

19 "The decisive question is whether in the absence of
20 the MIF the prices acquirers charge to merchants at
21 large would be lower."

22 So that is the sixth fact that you were considering.

23 You say:

24 "The applicability of the sixth fact would need to
25 be tested in individual cases. If my understanding of

1 the Supreme Court's judgment was correct, the sixth fact
2 would not hold if acquirers did not pass on any
3 counterfactual reduction in MIFs to merchants."

4 So that is the position you are taking, is that
5 right?

6 A. Yes.

7 Q. Could we then please turn to page 9, paragraph 55. I am
8 told I have the given myself the wrong reference. It is
9 page 16. It is paragraph 55 anyway. Yes, thank you
10 very much. You saved my blushes. {RC-K/6.1/16}

11 At the bottom of the page there we have
12 paragraph 55. You then address that question. Now,
13 perhaps you would be kind enough to read that paragraph
14 and then I will put some points to you, if I may. It
15 spans both pages, unfortunately, so do shout when you
16 need to look over. {RC-K/6.1/17}. (Pause)

17 A. Yes.

18 Q. So there we are dealing with the question -- the prior
19 question of acquirer pass-on. You have recognised the
20 same principles should apply, and you are recognising
21 that the analysis firstly should be based on factual
22 analysis?

23 A. Yes.

24 Q. That you would have to take into account the relevant
25 share of the cost or revenue accounted for, in this case

- 1 by commercial card MIFs?
- 2 A. Yes.
- 3 Q. That you recognise that depending on how acquirers
- 4 reflected commercial cards in their pricing, they might
- 5 not be pass on the MIF?
- 6 A. Yes, and I think in addition one would also want to
- 7 carry out an empirical analysis.
- 8 Q. So each of those factors should hold good equally for
- 9 the question of merchant to customer pass-on, should
- 10 they not?
- 11 A. Well, again, it depends on what timeframe we have in
- 12 mind. I think in the context where one wants to look at
- 13 a short-term reaction, then I think some of these
- 14 factors would be particularly relevant. It was not
- 15 clear from the Supreme Court information what sort of
- 16 timeframe should be applicable. I am forming a view in
- 17 relation to the current proceedings that a long-term
- 18 framework is appropriate.
- 19 Q. So is it short-term when it is acquirer pass-on and
- 20 long-term when it is merchant pass-on?
- 21 A. It is indeterminate subject to the nature of the
- 22 Supreme Court interpretation in the acquirer pass-on
- 23 context.
- 24 Q. We established that the Supreme Court was looking at the
- 25 claim period that began in 2013 -- the claim that began

1 in 2013, is that correct?

2 A. Yes.

3 Q. It went back six years because of limitation reasons?

4 A. Okay, I am happy to accept that.

5 Q. So the claim period that we were looking at was 2007

6 through to when the Supreme Court was handing down

7 judgment, sometime around 2018/2019. Is that right?

8 A. I think that sounds correct.

9 Q. So that is a pretty substantial 12-year period which is

10 in play by the time the Supreme Court says go away and

11 work out what the answer is?

12 A. Well, I think I would agree with you, in terms of the

13 length of the period that you have just described, it

14 could reasonably be described as a long-term. What

15 I was not in a position to do was to interpret the

16 meaning of the Supreme Court, and that is why

17 I identified that as essentially a factual question.

18 But ultimately when it came to then applying

19 a methodology in order to answer these questions,

20 I adopted an empirical approach, i.e. to look at what

21 the data tells you about the rate of change in MIFs and

22 what the impact of that was on MSCs.

23 Q. There are a number of things you did not say in this

24 evidence. You did not say it is important to consider

25 whether or not you are looking at the short term or long

1 term, did you?

2 A. I may not have said it in that context. It did not
3 appear to me relevant, given that I was deferring the
4 interpretation of that assessment to the Supreme Court's
5 finding.

6 Q. You did not say it is important to consider whether or
7 not the cost in question is an industry-wide variable
8 cost?

9 A. Well, I did not seek to set out all of the economic
10 factors that might be relevant in the context of the
11 acquiring market, I accept that. I have done that,
12 indeed at the direction of the Tribunal, alongside the
13 other experts, for the purpose of the assessment of
14 downstream pass-on, and we have gone through a great
15 deal of debate about which are the relevant factors.
16 I would say that those same factors are relevant to the
17 acquiring upstream pass-on rate as well.

18 Q. So there is not going to be a different answer as to
19 whether or not the cost is industry-wide for acquirers
20 as there would be for merchants, in your evidence at
21 least?

22 A. I do not think there would be. I mean, again, Trial 2B
23 is upcoming. I have not drafted my report yet. In
24 fact, we have not even had the bulk of the data yet for
25 it, as I understand it. But certainly --

1 Q. I have not started on Holt 13 yet either, if it is any
2 consolation.

3 A. I would apply essentially all the same principles that
4 I have identified in much greater detail for the purpose
5 of the downstream pass-on for Trial 2A as I would for
6 Trial 2B.

7 Now, it may be that there are some things that might
8 be different. I would not have thought necessarily that
9 the industry-wide characteristic would be that
10 different, because, to my knowledge, acquirers, who are
11 effectively the analogy to the merchants for the purpose
12 of that upstream pass-on, similarly, I think, take MIFs
13 that are set by the schemes, and so there -- the factors
14 that lead to firm-specific conditions would, as
15 a starting the point, likely be broadly similar.

16 Now, there might be some other factors, such as the
17 nature of the downstream merchant customers of the
18 acquirers that possibly could be taken into account, or
19 it might be that different acquirers focus on different
20 schemes or types of transactions. I am not making
21 a statement that any of that is the case. Again, we
22 have not yet had the data for Trial 2B. But those are
23 amongst the sort of factors that I would likely take
24 into account which would be consistent with the
25 principles that I have applied in Trial 2A.

1 Q. Can we look in your eleventh report, please, at
2 paragraph 14 {RC-F/19/27}. What you say there is issues
3 also affect the Article 1013 analysis which will form
4 the focus of Trial 3. As part of your 103 assessment,
5 you are planning on looking at certain exemption issues
6 and therefore, in essence, you are planning on looking
7 at a UK economy-wide figure because it will be useful
8 for, firstly, the exemption issue and, secondly, the
9 Article 102 issue, both of which are issues for Trial 3.
10 Is that right?

11 A. Yes, yes, that is what I say there. Yes.

12 Q. Could we then look please at page 22 {RC-F/19/227}. It
13 should be paragraph 734, over the page, sorry, 228
14 {RC-F/19/228}, and you say there:

15 "I further considered how an economy-wide pass-on
16 rate could be calculated given this will be necessary in
17 due course in order to determine the acceptable level."

18 So the reason at least for starting on the UK
19 economy-wide rate was to use the work in due course for
20 Trial 3. That is fair, is it not?

21 A. Yes, that is fair. I think even in my earlier reports I
22 identified, amongst the set of potential pass-on issues
23 that could be relevant, that it was not only relevant to
24 the mitigation points in relation to the merchant claims
25 but it was also relevant to exemption, yes.

1 Q. You have recognised that you are not instructed in the
2 Merricks claim; that is right, is it not?

3 A. Yes.

4 Q. It is right, is it not, that the UK-wide economy rate
5 was not identified specifically as a Trial 2A issue, was
6 it?

7 A. I cannot recall what list of issues were identified.
8 I do recall, in Holt 11, indicating that I was
9 instructed to consider an economy-wide MIF, and the
10 reasons for that were firstly that it would be
11 a relevant consideration at least for the exemption
12 debate and recognising that was a Trial 3 issue, but
13 given, secondly, that the direction, as I understood it
14 from the Tribunal, was that in view of the proceedings
15 structure, the umbrella proceedings, that it would be
16 helpful and relevant and consistent with a proportionate
17 and feasible approach to determine pass-on at sectoral
18 levels, so that that could be applied to any claimants,
19 whether stayed or participating or any other type of
20 claimant really.

21 Q. Could we see how you express it as a reservation in the
22 joint experts' statement prior to the sectorisation
23 issue emerging. That is {RC-K/18/52}. I hope we can
24 drill in on a footnote at the bottom of that page.

25 What you said is you proposed to estimate the

1 pass-on of the active claimants but also the average
2 economy-wide pass-on. That was not directed to the
3 sectoral determination, was it?

4 A. Sorry, I missed your question?

5 Q. Well, your reservation says nothing about the need to
6 determine sectoral analysis, sectoral figures?

7 A. Oh, that is a good point. I think what that footnote
8 says is I propose to estimate the pass-on of the active
9 claimants but also the average economy-wide pass-on.
10 Looking at that as it is written, that is not actually
11 consistent with what I have been tasked to do and have
12 set out to do, which is to estimate the pass-on for the
13 relevant sectors within which both active and non-active
14 claimants may be sitting.

15 Q. So Visa instructed you to do this economy-wide pass-on
16 analysis, is that right?

17 A. I was instructed -- I refer to an instruction to
18 consider an economy-wide rate, but of course I have not
19 done so for the purpose of -- in itself to do that.
20 What -- the main objective, and what I have essentially
21 done in Trial 2A, is to derive sector level estimates,
22 and in some cases sub-sector, but essentially sector
23 level estimates. The additional calculation that led to
24 an economy-wide estimate was actually quite trivial,
25 because it relied on the same sectoral estimates that

1 I had, and then some data that I had from Visa regarding
2 MIF or card payment shares across the sectors.

3 So I think the more accurate portrayal of what
4 I have done in Trial 2A is focus on sector level pass-on
5 analysis, while recognising that it is necessary in any
6 event for Trial 3, and, furthermore, that try as
7 I might, the evidence sources have been insufficient to
8 lead to a reliable estimate for all of the sectors to
9 use, at least as a default starting point, an
10 economy-wide value --

11 Q. I understand, Mr Holt, the gap-filling explanation that
12 you have come with now. But at the time that you were
13 embarking on this joint expert statement, you were not
14 anticipating that there would be any gaps, were you?

15 A. I thought --

16 Q. You thought you had it covered by empirical studies,
17 public data and everything else. You did not want any
18 claimants' --

19 A. I think --

20 Q. -- data and evidence to be in?

21 A. Sorry, I did not mean to cut you off. My recollection
22 is that I was indeed focusing, as a primary set of
23 evidence sources, on existing studies and public data,
24 but I also recognise that there may be some gaps, and
25 obviously my view on the gaps could only at that time

1 have been preliminary, because I had not yet carried out
2 the detailed analysis of those two other sources. So
3 I think I had, even at an early stage, again, I cannot
4 recall which of the reports and/or expert statements
5 I made this point in, but I certainly have made it, that
6 the claimant evidence could be a useful supplementary
7 source of evidence, in particular to fill gaps.

8 Q. Now, you would recognise, I assume, that this issue of
9 pass-on is closely linked to the issue of volume effect?

10 A. Yes, it is -- the issue of volume effect depends on the
11 level of pass-on.

12 Q. You have not dealt -- you have chosen not to deal with
13 that, even though it is a Trial 3 issue, even though it
14 is intricately connected with what we are doing today?

15 A. I think, in common with the other experts, we have
16 parked the issue of volume effects. That would be --
17 I am not sure it is fair to contrast having calculated
18 an economy-wide pass-on rate with failing to have done
19 volume effects. Doing volume effects would be required
20 at every sector and would be an extensive exercise
21 thinking about elasticities in all of those sectors.
22 That is a very large exercise. Calculating the
23 economy-wide MIF from a starting point of sectoral
24 estimates is a limited calculation that I have done in
25 Holt 11.

1 Q. You would presumably accept that if you are proposing an
2 88% pass-on rate, that would have a material impact on
3 consumer demand, so the volume effect would prima facie
4 be large?

5 A. I would certainly accept that, as a general matter of
6 principle, the greater the pass-on rate, the more likely
7 it is that there would be a volume effect. I do not
8 know -- I mean, partly that is just a matter of
9 proportionality. In other words, if there is more of
10 a price effect, then of course for any given amount of
11 reaction or sensitivity of consumer demand to that, it
12 would likely go up. It is not going to go down, I
13 agree.

14 Q. You were instructed, were you not, in the CICC
15 litigation as well?

16 A. Yes.

17 Q. That is where you will need to look at a UK economy-wide
18 rate because it is an opt-out class action?

19 A. Yes.

20 Q. Is it something that you had in the back of your mind
21 when you were looking at a UK economy-wide analysis
22 here?

23 A. No. I am not even sure when I was starting -- sorry, I
24 would not be able to comment at what point did I first
25 refer to the economy-wide point, relative to when I got

1 instructed on the CICC claim, but what I do recall is
2 that at a fairly early stage of the -- of these
3 proceedings, in terms of the general issues to be
4 considered for pass-on, I did identify the relevance of
5 the exemption debate. So that I do recall making at
6 a quite early stage.

7 Q. Could I please invite you to look at your twelfth
8 statement, paragraph 196 {RC-G/17/32}. I am told it is
9 page 69 {RC-G/17/69}.

10 A. Which paragraph, please?

11 Q. 196. This is one of several places where you make this
12 critique. You say there are:

13 "... considerable gaps in the disclosure of the
14 willing claimants ..."

15 I am now going to ask you about your criticism of
16 your disclosure from the claimants, who are the ones who
17 are before this Tribunal as part of Trial 2A.

18 You are aware, are you not, that Visa's Redfern
19 requests were pursued and were either accepted or
20 rejected by this Tribunal?

21 It is a criticism you make in numerous places. I am
22 simply summarising it, and giving you an example of it,
23 that you do not think our disclosure has been up to
24 snuff, do you?

25 A. Well, I think the way I would put it is there are

1 a couple of different ways of thinking about the role of
2 the disclosure, and I am talking about the qualitative
3 disclosure as opposed to the data. In my view, it was
4 not necessary in order to carry out the analysis that
5 I was focusing on overall for Trial 2A because of the
6 relevance of the facts and counterfactual and economic
7 principles that, together, led me to believe that
8 a relevant proxy would be -- would be a variable
9 industry-wide cost one.

10 Q. Could we then please look at {RC-K/18/10} at footnote 9.
11 No, that is ... This is {RC-K/18/10}, footnote 9 at the
12 bottom of the page.

13 It says, and this is part of the joint expert
14 statement, neutral statement:

15 "Mr Holt additionally considers that while evidence
16 could in principle be requested in disclosure from all
17 merchants, this may not be proportionate."

18 You specified that you:

19 "... would rely on this evidence to establish both
20 whether MSCs are characterised as fixed or variable and
21 whether they are per unit or ad valorem."

22 So you were recognising that full disclosure from
23 all of the merchants was not going to be a proportionate
24 exercise, were you not?

25 A. Could you just scroll up? I would just appreciate

1 seeing the context because I have not recently looked at
2 this.

3 So, okay, the question here is what is the evidence?
4 Now, that is ultimately going to be most relevant to the
5 consideration of the nature of the MIFs, and I think
6 there is a number of options, including top-down
7 options, including sector and publications, and so on,
8 that I have focused on, and, for example, Visa and
9 Mastercard shows. I think those are actually perhaps
10 the most important considerations.

11 So, for instance, merchant service agreements, which
12 I refer to here, which is where the footnote is, would
13 be highly relevant evidence to examine the facts as to
14 the nature of the fixed or variable structure of the
15 MSCs because --

16 Q. (Overspeaking) -- Trial 1, have you not? My memory is
17 not great, and I remember seeing quite a lot of --

18 A. (Overspeaking) Yes, we did have some MSCs, so that is
19 why I refer to this being available from Trial 1.

20 So what I am saying here is that in order to address
21 the important economic principle, which is that the
22 fixed or variable nature of the cost is a crucial
23 factor, one still needs to think about what are the
24 facts that would inform on that question. It is not
25 just by presumption that we can say the MIFs perhaps are

1 necessarily industry-wide or variable. What the experts
2 as a group here are engaging in is a recognition that it
3 would be interesting to know on what basis you might
4 investigate that issue, and what I am saying here is,
5 well, the acquiring contracts will actually say: here is
6 how your MSCs are determined.

7 So, for instance, if the MSC is determined on
8 an IC++ basis, well that is obviously variable. If it
9 is on a blended basis but applied at the per transaction
10 level, it is obviously variable. If it is on a fixed
11 amount per month irrespective of the card transactions,
12 then you might argue that that could be a fixed
13 example --

14 Q. Moving on to the data that we were talking about, in
15 contradistinction to the qualitative evidence we have
16 just been discussing, you recall, do you not, that there
17 was a collaborative approach to finding the best
18 datasets between the experts?

19 A. Yes, I think the experts did their best to collaborate
20 in that respect.

21 Q. You would -- you were prepared to recognise at times
22 that certain data was useful but not essential for your
23 methodology. Do you recall those words?

24 A. Yes, and I think it is important to distinguish between
25 two types of evidence. The first is the claimant data

1 evidence. That was identified at an early stage as
2 being at least useful to fill in gaps and, as the
3 evidence became available, I took the view that it would
4 be useful to complement the sources from other evidence
5 sources, such as existing studies, with the claimant
6 evidence where the structure of the evidence -- of the
7 claimant data permitted it. In contrast, for example,
8 to Mr Coombs, who had a stronger reliance on the public
9 data, and then only essentially, I think, used the
10 claimant data to fill in gaps.

11 I took a slightly different approach, which was
12 looking at all the relevant evidence for a given sector
13 and applying that same process for all of the sectors.
14 So I did agree and was collaborating with the
15 identification of, okay, if there is going to be
16 claimant data, then we need to make sure that it is as
17 relevant as possible. That is what the joint expert
18 without prejudice sort of -- I cannot remember to what
19 extent that moniker is necessary, but we were engaging
20 on sort of considering where were the most important
21 gaps and what were the structures of data that were
22 being put forward by the claimants. If they were not
23 capable of being analysed generally, you know, we would
24 say so, and we did not really want that data.

25 Q. If I understand your evidence correctly, though, what

1 you want is a combination of how do these businesses
2 price their products in practice and how can we check
3 the underlying data that lies behind their costs and
4 prices decisions?

5 A. No, that is inaccurate, at least in so far as I was
6 engaging on that process. My view was that the data
7 could be helpful to fill in gaps and to complement the
8 other evidence sources, and if there was going to be a
9 data disclosure, then there of course needed to be
10 a minimum standard of information such that we could
11 then process the data.

12 The alternative set of evidence, which was
13 essentially the voluntary disclosures, which was I think
14 part of the positive case of some of the claimants, is
15 not something that I had identified as being relevant to
16 my overall assessment, although I did, of course,
17 because it was made available, and in part because of
18 the positive case of some of the other experts that was
19 being put, I wanted to investigate what it was saying,
20 but it was not in a sense central to my overall
21 approach.

22 Q. That is because you were pursuing this: we are capable
23 of working out the answer from empirical studies, public
24 data. You were doing a higher level analysis which
25 would not have included the qualitative evidence from

1 the claimants in the first place?

2 A. Well, I would -- that is not quite correct. I would
3 also use the claimant data, and I did. But for the
4 purpose of identifying the proxy that would be most
5 relevant, the evidence that I determined to be relevant
6 were the nature of the counterfactual in the long term
7 focus, the nature of the MIFs of which there was
8 evidence, variable, industry-wide, in my view.

9 Q. When we applied to adduce qualitative evidence, Visa
10 opposed it, and you stood behind Visa on that issue, did
11 you not?

12 A. Well, I was asked what would be the point of that type
13 of disclosure in relation to determining the sectoral
14 pass-on rates, and I did not see the immediate relevance
15 of it.

16 Q. When we applied for a sampling procedure, as had been
17 initially accepted by the Tribunal, Visa opposed it, and
18 you stood behind Visa on that as well, did you not?

19 A. Well, I think that was -- sorry, I think, yes, I, again,
20 was concerned that it would not be possible to carry out
21 a sampling procedure of issues of the nature of the
22 qualitative evidence that would lead to a proportionate
23 and likely relevant long-run approach to determination
24 of the proxy.

25 Q. So why did you complain about the absence of a sampling

1 procedure in the hot-tub this morning?

2 A. I was not complaining about the absence of a sampling
3 procedure. What I was complaining about -- in fact,
4 I would not say I was complaining. All I was
5 identifying was that I was using the data that was
6 available, and I was recognising that the data was all
7 we had, at least from the claimants, but it was, at
8 least for nine of the 13, complementary.

9 The debate about the sampling procedure was
10 initiated in part because there is a perspective on the
11 part of some of the experts that the qualitative
12 evidence was central, and one needed to try and go down
13 that route. My concern with that was that it was not
14 likely to be meaningful and not likely to be
15 proportionate and not -- nor would it be necessary in
16 order to identify what were, in my view, the relevant
17 considerations to choose the proxy, which I could repeat
18 again but I think --

19 Q. I am going to move on to discuss the need for economic
20 theory and the role of economic theory.

21 A. Okay.

22 Q. You would accept as a general proposition that economic
23 analysis should follow commercial practice?

24 A. Yes, I think obviously the point of economic theory is
25 to try and identify outcomes that are broadly consistent

1 with observation over time.

2 Q. There is no point building a theory that only lives in
3 an ivory tower, is there?

4 A. Yes, I think that is fair.

5 Q. If the actual commercial conduct in the real world does
6 not mirror what economic theory would predict, then
7 frankly economic theory should move on, should it not?

8 A. Well, I would agree to some extent that economic theory
9 has in some cases moved on in order to reflect these
10 types of issues. One area where economic theory has not
11 generally moved on very far is understanding what are
12 the core profit-maximising incentives that firms face.
13 Those same principles have been well understood by
14 economists for a very long period of time and, yes,
15 there might have been some further work in more recent
16 years about the precise conditions under which different
17 economic models of competition, of imperfect
18 competition, and so on, could lead to different
19 outcomes. So I certainly agree that it has not been
20 a static prospective on economic theory, it has built up
21 over time. But the general proposition of what are the
22 factors that define profit maximisation, I think, are
23 clear and have been for a very long time.

24 Q. If the available evidence before this Tribunal is that
25 businesses routinely price in a certain way, that the

1 way they do that is not necessarily consistent with how
2 you think they should price in a certain way, then
3 surely your "should" does not beat their "does"?

4 A. Well, I think I accept that from a conceptual
5 standpoint, if you took that as a fact, then there are,
6 I think, two remarks I would make.

7 One, it is then important to think about, well, what
8 is the period of time that you are interested in,
9 because, as I have already explained, I can very well
10 see that things like price adjustment costs and/or the
11 particular channel that you might adopt for, you know,
12 for how you might operate a pricing strategy, could have
13 a timing impact.

14 In my view, however, it is unlikely to be
15 determinative as to long-run outcomes in the market
16 because, and, again, I think I said this in the hot-tub,
17 you -- it is unlikely that it would be sustainable for
18 firms to deviate persistently from what their incentives
19 are, given the range of pressures on the -- on the firm
20 from a variety of sources, being owners, from
21 competition, and so on. Similarly, I cannot see that
22 that could be an explanation for an entire sector-wide
23 deviation in the long term from what the underlying
24 principles would tell you.

25 Q. Could we look, please, at {RC-J1.4/53/65}. This is part

1 of a report from RBB, who you know well, and
2 Cuatrecasas, the Spanish firm, that was tendered to the
3 European Commission, and was relied upon for the
4 purposes of producing the 2018 Guidelines that you cite.
5 I think you have cited the RBB report in your report as
6 well?

7 A. Yes.

8 Q. So if we look, please, at page 65, as part of this
9 study, paragraph 104. If we can bring up 104
10 specifically, please. It says:

11 "... it is essential that economic analysis is
12 practically-minded and responds to and is consistent
13 with the factual and other evidence pertaining to an
14 individual case. The economics must 'fit' with the
15 relevant market context. In particular, the framework
16 of assumptions that underpin any economic analysis must
17 reflect the relevant realities of the market at hand."

18 So even on a sectoral basis, that would apply, would
19 it not; assuming a sector encompasses a portion of the
20 market, you need to have an eye very firmly on the real
21 world facts?

22 A. Well, again, I agree with that as a general proposition.
23 In my view, I have identified what are the relevant
24 facts in the context where I have identified that, given
25 the counterfactual, we are looking at the long-term

1 outcome. So I have identified the underpinnings that
2 I think are most relevant to the determination of
3 long-run pass-on.

4 Q. Could we look, please, in your eleventh report,
5 paragraph 152 {RC-F/19/67}. What you say there is:

6 "... there are a variety of ways pass-on can occur
7 ... it is my view that the economic incentive to pass on
8 the cost, as determined by the cost's key economic
9 characteristics ... is the most relevant consideration
10 for pass-on."

11 That of course does not give any effect, does it, to
12 the real world perspective that we have just looked at
13 in the RBB report?

14 A. Well, I disagree, because I have identified a range of
15 relevant real world factors in terms of the nature of
16 the MIFs, and, furthermore, as the RBB report, I think,
17 also clearly says, identified what are the most
18 important economic principles that are related to
19 pass-on.

20 The RBB report itself does not really distinguish as
21 to what is the appropriate pass-on timeframe because
22 that might vary from case to case. So I can very well
23 see that in some cases more weight might be given on
24 short-term considerations than would be appropriate, in
25 my view, in this case.

1 I think then what I am indicating in this paragraph
2 is that the qualitative evidence, and obviously there is
3 a comment about what the qualitative evidence as it was
4 and what the qualitative evidence as it might have been
5 could tell you.

6 Q. Are you downgrading the importance of this consideration
7 in the light of the evidence that has been given?

8 A. I think -- not really. I think what I am saying here is
9 that it is unlikely that in the long run, given the
10 timeframe that I am focusing on, that firms would
11 have -- or a sector, because, again, I am focusing on
12 sectors -- that the pass-on rate would systematically
13 and over the long term deviate from what the principles
14 would tell you due to some of what is discussed as
15 qualitative evidence leading to different channels by
16 which this may happen.

17 Q. I want to reassure you, I am coming back to the
18 long-term/short-term analysis.

19 A. Sure.

20 Q. But given that it has been your response on a number of
21 occasions now, let us just grasp the nettle.

22 A. Yes.

23 Q. On your economic principles first point, you are
24 positing a situation where one considers the long run;
25 correct?

1 A. Yes.

2 Q. In the long run, you say all costs are variable;
3 correct?

4 A. Well, I have said that all costs are variable, but it is
5 actually -- yes, so I agree with that point that all
6 fixed costs at the point where they need to be repeated,
7 or new investment decisions need to be made, that then
8 becomes a variable decision, so I agree with that
9 statement.

10 Q. Over the long run, a firm that does not recover its
11 costs in full will go out of business?

12 A. Well, that, I think, is likely correct, because unless
13 there is some sort of means by which the firm will be
14 subsidised, then I think that obviously must be the
15 case, yes.

16 Q. So if the claim period is long enough, any surviving
17 claimant that is not in the hands of the administrators
18 will necessarily, on your economic theory, have passed
19 on in full any loss they have suffered?

20 A. No, that is incorrect. So I have not said that pass-on
21 must be in full for any type of cost. Firstly, in
22 making the statement about the recoupment of long-term
23 costs, one has to think about the sector-wide or
24 industry-wide level of cost change, and if cost changes
25 are firm-specific, that would already be a reason why

1 a firm might not be able to recoup its costs, because it
2 was incurring higher costs, for example, than the market
3 average.

4 Q. Your case is that the MSC is not a firm-specific cost,
5 is it not?

6 A. That is correct.

7 Q. Why are we bothering with that? We can have a debate
8 about that, so why are you advancing that as an
9 explanation?

10 A. I am advancing that as a response to your suggestion
11 that, in general, all firms must be -- all costs must be
12 recouped, and I am just saying that is not my view. Not
13 all costs must be recouped in the long term. Costs that
14 are industry-wide must be recouped, on average, in the
15 long run.

16 Q. That would lead to a presumption then in your case,
17 I take your point that you are not advocating for full
18 pass-on, but any surviving claimant would necessarily
19 have passed on 88% of their industry-wide variable
20 costs, which would be all long-run costs, all costs in
21 the long run?

22 A. Sorry, I am hesitating because I am not quite sure what
23 the question is. I am --

24 Q. I am reining back from full pass-on, because I have
25 taken your point that you do not advance a full pass-on

1 case.

2 A. Okay.

3 Q. So reining back to 88%, which is the magic figure.

4 A. Sorry, 88% --

5 Q. Can you identify a claimant, on your application of
6 economic principles, who would not be found by this
7 Tribunal to have passed on 88% of their costs over the
8 long-run period?

9 A. Well, yes, but primarily because some of the sectoral
10 estimates are below that value, which I think is perhaps
11 not the most fundamental point that you are making.

12 I think what I am identifying is for the given
13 characteristics of the MIFs, the evidence from a wide
14 range of sectors, the three sources, and substantial
15 individual evidence within each of those, is consistent
16 with a high but not complete level of pass-on of
17 industry-wide variable costs.

18 Now, that could mean that overall, long-term costs
19 recovery of some types of costs may well be
20 substantially below 88% in some circumstances, but for
21 the relevant circumstances here, 88% is the economy-wide
22 average I have identified. Obviously there is variation
23 across sectors.

24 MR BEAL: I am about to come on to look at the factors that
25 you say we should take into account, which, for those

1 closely following my openings, is the second of my 14
2 points. You will recognise in due course that there is
3 a certain similarity between the categorisation and
4 where we are.

5 But I am noticing it is five past 3, and given that
6 it is a new topic, I am wondering if that might be a
7 suitable moment?

8 THE CHAIRMAN: Yes, we will take a ten-minute break.

9 (3.05 pm)

10 (Short Break)

11 (3.15 pm)

12 MR BEAL: Mr Holt, let us look at the factors that you take
13 into account. Please could we look in your eleventh
14 report at paragraph 21 {RC-F/19/29}.

15 A. Yes.

16 Q. You identify three key factors you consider most
17 relevant:

18 "... (a) the nature of the affected cost; (b) the
19 nature of the cost change; and (c) the duration of the
20 cost shock."

21 Can you see those?

22 A. Yes.

23 Q. I am going to show you now a legal authority, because it
24 identifies the factors that this Tribunal in the *Trucks*
25 case thought were relevant. Please could we look at

1 {AB-D/37/98}.

2 You have cited the *Trucks* decision in your reports,
3 so I am assuming you are familiar with it. But in order
4 to give you a heads up as to what the factors are,
5 please could you read paragraph 228 through to
6 paragraph 230.

7 Well, perhaps just --

8 A. Let me have a second.

9 I would note that 228 begins by saying:

10 "... the legal test for causation ..."

11 Am I correct that that --

12 Q. That is not a matter for you.

13 A. No, I agree. I am just saying that 228 is concerning
14 that topic, just to clarify.

15 Q. It then goes on to say:

16 "There must be something more specific ... and there
17 are a number of potentially relevant factors it can rely
18 on, including ..."

19 It then identifies factors which are not legal
20 factors.

21 A. Yes, but this is in the context of what is the
22 appropriate legal test, as I understood. I was not
23 instructed to consider --

24 Q. (Overspeaking) They are not a matter for you. All I am
25 saying is these are factors which the Tribunal, at face

1 value, is identifying as factors, and I am going to ask
2 you about whether or not you think these are meaningful
3 factors or not, if that helps, if you want to see the
4 shape of it.

5 A. But if the factors were identified specifically in the
6 context of the legal test --

7 Q. But that is not a matter for you. I am just asking ...

8 THE CHAIRMAN: Well, I think if you just answer the
9 question.

10 A. Okay, I am sorry. Yes.

11 MR BEAL: Just concentrate on dealing with the questions and
12 I will worry about the law.

13 A. Right, okay.

14 Q. Let us keep it that way.

15 A. I did not want to stray into legal territory, that is
16 all.

17 Q. So the first factor is:

18 "Knowledge of the overcharge or the specific
19 increase in the cost in question."

20 Would you accept that is a relevant factor?

21 A. So this is sort of my concern. My -- I do not think
22 that is relevant to the economic principles of pass-on
23 because it is a but-for test, not a conscious factor.
24 My test is about what would happen in the counterfactual
25 with and without the MIFs.

1 Q. That is a perfectly fair answer and you are saying that.

2 The second factor is:

3 "The relative size of the overcharge against the
4 claimants' overall costs and revenue."

5 Would you accept that is a relevant factor?

6 A. It might be in the short-term but not in the long term.

7 Q. So to the extent that your evidence -- I am not going to
8 bother to take you to it if that is your answer orally.

9 To the extent that your evidence has previously
10 suggested that is not a factor at all at any stage, you
11 have modified that position, and you would now accept it
12 could be a factor in the short run?

13 A. I think I agree with that proposition, but I am not
14 sure, I have not acknowledged before now, that there
15 could be a timing issue.

16 Q. I am not going to waste our relatively finite time by
17 tracking down things where I can show you what the
18 position is.

19 Factor number 3:

20 "The relationship or association between what the
21 overcharge is incurred on and the product whose prices
22 have been increased."

23 Would you accept that is a relevant factor?

24 A. If I were to interpret that as what is the nature of the
25 cost, then, yes, i.e. is it variable?

1 Q. Then the final one is:

2 "Whether there are identifiable claims by
3 identifiable purchasers from the claimants in respect of
4 losses caused by the overcharge."

5 A. That, in my view, is not relevant to the assessment of
6 the (inaudible) pass-on.

7 Q. Could we then please look at {RC-J1.4/19/14}. This is
8 the Commission 2019 Guidelines, recital 51.

9 A. Yes.

10 Q. That is page 14, not 40. So 14. Thank you very much.

11 Could we look, please, at paragraph 51. Again, I do
12 not wish to put you on the spot. So if you can cast an
13 eye over that, it identifies the most important factors
14 affecting the existence and magnitude of the pass-on
15 effects.

16 A. Yes.

17 Q. In summary, they are whether the costs are fixed or
18 variable; you would accept that one?

19 A. Yes.

20 Q. Whether the cost impacts all or the vast majority of
21 customers in a market?

22 A. Yes, that is the firm-wide point, yes.

23 Q. The nature of the demand that direct or indirect
24 customers face?

25 A. Yes.

1 Q. The strength and intensity of competition in the markets
2 where the direct and indirect customers are active?

3 A. Yes.

4 Q. Price adjustment costs?

5 A. In the short run.

6 Q. The proportion of the firm's costs affected by the
7 overcharge?

8 A. Potentially in the short run.

9 Q. Buyer power?

10 A. Not likely to be relevant in retail pass-on to consumers
11 who do not generally have buyer power.

12 Q. Vertical integration issues?

13 A. I think in theory it might have an impact, but, again,
14 for retail merchants, less likely to be important,
15 I think.

16 Q. Price regulation?

17 A. I agree that the nature of price regulation could
18 potentially have an impact.

19 Q. Then the timing of pricing decisions undertaken at
20 various levels of the supply chain?

21 A. I am not quite sure I understand exactly what that
22 means, but it sounds like it could be a short-run but
23 not long-term factor.

24 Q. I assume that the Commission held that these were
25 relevant factors for the question of pass-on that was to

1 be resolved by the national courts?

2 A. I presume that is why it wrote the Guidelines, yes.

3 Q. Do we find anywhere in the Commission Guidelines a
4 statement that none of this matters because, in the long
5 run, all costs are variable and they will be recovered
6 by a company that does not go out of business?

7 A. No, and neither is that my position.

8 Q. Could we look, please, at paragraph 56 next, recital 56.
9 It says:

10 "... other elements may, under certain
11 circumstances, play a crucial role in the direct
12 purchaser's price formation mechanism, and, hence for
13 passing-on of the overcharge ... one element ... might
14 be important in order to quantify passing-on is whether
15 the input affected by the overcharge represents a large
16 or small share of the direct purchaser's variable costs.
17 A direct purchaser may face costs when changing its
18 prices, so-called 'price adjustment costs'."

19 If the overcharge is only a small share, it may not
20 be profitable to pass it on effectively and incur the
21 menu costs adjustment.

22 You would accept that is a correct statement of
23 principle?

24 A. Yes. Again, it has a particular focus on the short-term
25 adjustment.

1 Q. To the extent that you have in your evidence, again,
2 I am not going to go through it line-by-line, but to the
3 extent in your evidence you have suggested it is not
4 even a relevant consideration, that evidence would be
5 superseded by the evidence that you have just given to
6 the Tribunal; correct?

7 A. Well, I am quite certain I have referred to the nature
8 of the price adjustment cost and what role it can have,
9 so --

10 Q. Let me take you to it. It is your twelfth report,
11 paragraph 41 {RC-G/17/26}.

12 It is not just the menu adjustment cost issue, it is
13 also the relative size of the cost within the stack of
14 variable costs.

15 At 41 you say:

16 "There is some agreement between the experts that
17 the size of the cost item is not generally a relevant
18 factor as regards the pass-on of variable costs. Whilst
19 large fluctuations in variable costs are likely to be
20 passed on in the immediate or short term, in the
21 longer-term firms face powerful economic incentives to
22 pass on all variable costs, regardless of their size."

23 So I had understood from that that you were saying
24 that the relative size of the cost is not a relevant
25 consideration. Indeed, you say:

1 "I do not consider the size of a variable cost to be
2 informative."

3 A. Well, yes, but that is not because I have not accepted
4 that price adjustment cost can have a short-term
5 effect --

6 Q. (Overspeaking) I am talking about -- I beg your pardon.
7 This is not specifically dealing with price adjustment
8 cost, it is also dealing with the parallel issue, which
9 is the relative size of the cost.

10 A. Yes, I would make the same point in that regard, yes,
11 because one of the main reasons why a small cost might
12 not be passed on in the short-term could be a price
13 adjustment cost.

14 Q. So you accept that the relative size of the cost, at
15 least in the short-term, is an important factor?

16 A. It may be in certain circumstances.

17 Q. Could I ask you then, please, to look at paragraph 255
18 of this report which is at page 87 within this document
19 {RC-G/17/87}.

20 You will recall in the paragraph immediately above
21 255, Dr Trento had said:

22 "Intuitively ... the size of the cost matters, as
23 small fixed costs are less likely to influence the
24 market structure - and therefore to affect prices - than
25 larger fixed costs."

1 Now, putting to one side the issue of fixed versus
2 variable for the moment, you say you disagree with that
3 intuition.

4 "In my view, it is important to note that 'entry and
5 exit' should not be understood too literally ..."

6 You then say:

7 "As explained by Ms Webster, firms often review
8 various aspects of their operations and investment
9 opportunities. For example, 'supermarkets may
10 frequently evaluate the ongoing viability of ... their
11 existing stores, and potential locations for new
12 stores'."

13 A. Yes.

14 Q. So am I to infer from that that if, for example, the MSC
15 is treated as an overhead, you say it would have been
16 factored into investment decisions by Tesco when
17 deciding whether or not to open up a new superstore on
18 the edge of High Wycombe?

19 A. What I am commenting on here is what are the mechanisms
20 by which fixed costs may be transmitted to prices, and
21 I am engaging on the debate that that would mainly be
22 through changes in market structure, entry and exit.

23 The only additional point I am making is that it is
24 not quite so limited to such dramatic changes in the
25 supply and demand structure, because smaller investment

1 decisions made over time can also be informed by changes
2 in fixed costs, such as the likelihood of a new
3 investment being profitable, and so on.

4 So I am merely making the point that, even if there
5 is a fixed cost that is not sufficient to trigger entry
6 or exit, there still may be a mechanism by which
7 a change in a fixed cost could have an impact on prices.

8 Q. I am going to move on now to look at demand and supply
9 curves. You would accept that the shape of the demand
10 and supply curves is a relevant consideration for
11 determining the likelihood of pass-on?

12 A. They ... hmm ... That is a very precise question about
13 the "likelihood" of pass-on.

14 I would agree that the shape of the demand and
15 supply curves are, in principle, an important set of
16 factors that might determine the extent of pass-on, and
17 under certain limited conditions they could be
18 consistent with no pass-on. So that is why I am sort of
19 having to give such a -- quite a very specific answer,
20 because I think my general point would be demand and
21 supply conditions are a relevant consideration to the
22 likely level of pass-on in a given sector, albeit they
23 are not easily observed and can be captured in the
24 empirical evidence, but the question you have put is
25 whether it affects likelihood, as opposed to extent.

1 Q. Can we look, please, at {RC-J1.4/54/56}. This is part
2 of a 2014 RBB report, so prior to the one that we have
3 already looked at. It was prepared, I think, for the
4 OFT, but let us just see whether or not you agree with
5 the proposition that is put here.

6 A. Sorry, which paragraph, please?

7 Q. The second paragraph down.

8 A. "Dynamic considerations"?

9 Q. Ah, we are on the wrong page which is why I am not
10 finding my note. This is 26, rather than 56. Thank
11 you, yes.

12 So we see at the top of the page this statement
13 saying:

14 "This confirms the graphical intuition above, namely
15 that the extent of (absolute) pass-through depends on
16 the relative magnitudes of the slopes of demand and
17 supply."

18 Then there is a reference to figure 3 and some
19 technical detail I am not going to go into. Then the
20 next substantive paragraph:

21 "If the elasticity of demand is large relative to
22 the elasticity of supply, so the pass-through rate will
23 be low. Conversely, if the elasticity of demand is
24 small relative to the elasticity of supply, the
25 pass-through rate will be high."

1 So I imagine that that is dealing not necessarily
2 with the linearity of the supply and demand curves but
3 with the curvature, is that right, because it is dealing
4 with elasticity rather than the supply and demand
5 simpliciter?

6 A. Even linear curves can have elasticity, but I happy to
7 accept that elasticities, and indeed the shape of the
8 curve, whether it be linear or a different shape, can
9 have an impact on the rate of pass-on, yes.

10 Q. Then if we look, please, at {RC-J1.4/19/15},
11 paragraph 53, so that is {RC-J1.4/19/15}, I am hoping we
12 have recital 53 at the top of the page. We see there
13 that:

14 "... the product demand that the direct customer
15 faces affects the level of passing-on. A standard price
16 formation mechanism builds on the fact that the demand a
17 firm faces (i.e. the quantity it sells) decreases when
18 it raises its price. The extent to which a direct
19 purchaser raises its own price when facing an overcharge
20 depends on whether the demand reacts strongly to such a
21 price change or not. For instance, if the direct
22 purchaser is a monopolist and the demand that it faces
23 is equally sensitive to a change in prices for all price
24 levels and the direct purchaser is facing constant
25 marginal costs, economic theory suggests that half of

1 the overcharge will be passed on."

2 Pausing there. That learning is reflected in the
3 curve that was provided to you by -- the demand curve
4 analysis that was provided to you by the Tribunal, is
5 that right?

6 A. Yes, I think, at a broad level, yes. I mean, obviously
7 there is ad valorem versus unit rates and thing like
8 that, but I think we probably do not need to get into
9 that on this question.

10 Q. Well, I think, certainly since 2014, the evidence is
11 that the rates have been predominantly ad valorem
12 because of the impact of the IFR, is that fair?

13 A. I thought IFR came in --

14 Q. December 2015.

15 A. Yes.

16 Q. But with Visa commitments, they were foreshadowing the
17 IFR regime, were they not?

18 A. I cannot recall the precise structure that they had
19 for --

20 Q. I am not going to relive the joys of Trial 1 with you,
21 if I can avoid it.

22 Could we then look at the next sentence, please, in
23 this paragraph:

24 "If the demand a monopolist faces drops 'more and
25 more' (i.e. at an increasing rate) when price increases,

1 it is less likely that the overcharge will be passed on
2 as compared to a situation in which the demand that such
3 a monopolist faces drops 'less and less' ... as the
4 price increases, all else being equal."

5 Can you see that?

6 A. Yes.

7 Q. So, in essence, most firms will face a demand curve that
8 reflects less and less demand in the face of increasing
9 prices, will they not?

10 A. Well, I am not sure I am able to agree to that. This is
11 sort of a theoretical frame and it is focusing on
12 monopoly. Obviously that is a -- one of the two sort of
13 simplified models of perfect competition and monopoly,
14 and a number of insights around pass-on can be drawn
15 from those. Most markets obviously are much more
16 complex in terms of the nature of competition. So
17 I think what that means, and the way I have interpreted
18 all this, is that there are some learnings and broad
19 principle one can draw from this theory, but really that
20 is why I have not overly emphasised it from a precise
21 measurement perspective; I have gone to the empirical
22 evidence.

23 Q. Any downward facing demand curve will reflect
24 diminishing marginal utility of consumption by the
25 consumer; correct?

- 1 A. Yes, I think that makes sense.
- 2 Q. That is true whether the shape of the demand curve is
3 either convex, concave or linear, if they are downward
4 sloping?
- 5 A. Yes, but the issue is not just whether is it downward
6 sloping, but what is the rate at which the downward
7 slope is changing over time, which you are alluding to
8 in the convex and concave situation. I think from
9 a theoretical proposition, those distinctions can
10 actually be quite important in terms of the rate of
11 pass-on.
- 12 Q. Diminishing marginal utility will hold good, will it
13 not, regardless of whether it is a concave, convex or
14 linear demand curve?
- 15 A. I think --
- 16 Q. On a downward slope.
- 17 A. Sorry, I am just trying to ...
- 18 Q. Well, let us have a look at the curves in situ. This is
19 {RC-J1.4/19/36}. At the bottom of the page there, we
20 have a simplified representation of three types of
21 graph. One is linear, one is concave and one is convex.
22 Can you see that?
- 23 A. Yes.
- 24 Q. They all have in common the fact that they are sloping
25 from top left to bottom right, albeit with different

1 curvatures, as you have explained?

2 A. Yes.

3 Q. Each of those graphs will reflect, will they not, the
4 principle of diminishing marginal utility?

5 A. Yes, in the sense that the value attributed to an
6 additional unit consumed is less. But I think the
7 pass-on question is what is the incentive for pass-on,
8 taking into account the trade-off between the impact on
9 lost sales and the impact on the margin protection
10 associated with the price increase, and my point is that
11 the shape of these curves has an important impact in
12 that regard.

13 Q. Can we have a look at your eleventh report {RC-F/19/59},
14 paragraph 122, and in particular footnote 67. You say
15 in footnote 67:

16 "Convex demand functions are often used in economics
17 as they have a number of desirable properties such as,
18 amongst others, mathematical tractability ..."

19 I am just stopping there, I am not going to engage
20 with you on that. But then you say:

21 "... and diminishing marginal utility ..."

22 Which you then explain.

23 A. Yes.

24 Q. The point I am making to you is that in fact the
25 diminishing marginal utility point you take there

1 applies equally to the three curves we have just looked
2 at?

3 A. I think it may well do. I think it may well do. My --
4 to the extent it is a helpful answer to the question, in
5 the hot-tub there was quite a bit of discussion about
6 what were the economic theory principles under different
7 forms of competition and under different types of demand
8 and how might those relate to pass-on.

9 I tried to assist the Tribunal in indicating that at
10 a broad proposition you can get some simplified models
11 where, you know, under perfect competition and under
12 a monopoly you can draw some findings, and then there
13 are some recognised broader factors that can be taken
14 into account under imperfect competition, and that there
15 were potentially a wider set of outcomes from lower to
16 higher, above 100 or below 50, in those circumstances,
17 and that quite a broad range of factors could be
18 important in that regard, including some of the points
19 that you are putting to me now, such as the nature of
20 the shape of the demand curve.

21 That is about as far as I am able to really comment
22 on that.

23 Q. Could we look, please, back in the Commission
24 Guidelines, recital 172 {RC-J1.4/19/36}.

25 So you have focused in your report on, as

1 I understand it, convex curvature for demand. This is
2 now looking, at 172, at where the demand curve is
3 concave, as shown is box 15, which is below the box we
4 just looked at.

5 Then you say -- sorry the Commission says:

6 "... the demand becomes more sensitive to price
7 changes as the price increases. This could for instance
8 be the case if a substitute of the product affected by
9 the overcharge is available the customer. An example
10 may be the demand for gasoline. At a certain price
11 level, the customers may switch their consumption away
12 from cars using gasoline to electrical cars."

13 So there are clearly a subset of products, are there
14 not, where the concave nature of the demand curve makes
15 a material difference?

16 A. I think I agree that the nature of the shape of the
17 curve could make a material difference to pass-on, and
18 this is obviously a hypothetical illustration which I am
19 not sure is necessarily one that is borne out in
20 practice, given the rapid rises in the price of gasoline
21 over time and the generally continuing use of vehicles.
22 I am not saying that I have investigated that in any
23 great detail, but I think this is being put forward as
24 a fairly hypothetical question. It may be that it
25 applies in this sector, but it -- the evidence is --

1 Q. Your report is focused on convex curvature, rather than
2 concave curvature for demand?

3 A. Well, I think the footnote did, and the -- it is
4 important to recognise what I am actually drawing from
5 the economic theory in terms of any findings, and
6 I think all I am saying is that I have acknowledged that
7 under economic theory a broad range of factors could
8 affect the empirical assessment, including some of these
9 shape-type issues, but that generally they are not
10 easily observable, and therefore my focus has been on
11 the empirical analysis.

12 Q. You have chosen to concentrate only on the convex
13 curvature. Can you look, please, at recital 171 on this
14 page, just further up the screen. You say:

15 "In the case of convex demand, the demand becomes
16 less sensitive to price changes as the price increases.
17 This may be the case if the products or services
18 affected by the overcharge are characterised as
19 essential goods."

20 So an essential good is more likely, other things
21 being equal, is it not, to have a higher demand in
22 elasticity for the average consumer?

23 A. That might be one example. Again, I have not tried to
24 go sector by sector and tried to assess what is the
25 shape of the curve, I have, rather, let the empirical

1 evidence tell me what the ... All factors in the round
2 is telling you about pass-on.

3 Q. Would something like the Sony PlayStation be an
4 essential good?

5 A. It may not be. Oh, maybe it depends on who you ask!
6 For the average teenager, it might well fit that
7 characteristic.

8 Q. Your children are younger than mine, that is all I am
9 saying!

10 In any event, as you say, what nobody has done here
11 is study the curvature of the demand curves for each of
12 the sectors in issue, have they?

13 A. No, I think the experts have broadly agreed that the
14 range of potential outcomes could be quite variable
15 according to some of these conceptual issues, but that
16 they are actually not, in practice, something that you
17 can implement, because you cannot easily observe the
18 information you would need to, to actually put it into
19 place in practice.

20 Q. Similarly, nobody has observed the shape of the supply
21 curve, have they?

22 A. I think that is correct. I think some experts have
23 commented on their view of the likely long-term nature
24 of the supply curve, but I do not think anyone has
25 sought to measure it in a precise way.

1 Q. Indeed, if we look, please, at {RC-F/19/60}, which is
2 your eleventh report, at paragraph 126. Picking it up
3 at 126, you state that:

4 "... the shape of the marginal cost curves affects
5 the extent of pass-on. I do not think it needs to be
6 studied separately for the reasons set out in relation
7 to demand conditions above."

8 Effectively, it would be very laborious and probably
9 imprecise. Is that fair?

10 A. Yes.

11 Q. Now, if we then look at 127, however, on the same page,
12 you then go on to assume, do you not, that given the
13 scale of the cost in question, the extent of any change
14 to the supply cost curve attributable to the MIF would
15 be, at most, 1%?

16 A. Yes.

17 Q. So you have effectively treated the supply curve as flat
18 in the long run, have you not?

19 A. I have made a comment about what the shape of the curve
20 might be, but I have not treated it as such in the sense
21 that it has affected any of my analysis. As I say,
22 I have described in this section what were conceptually
23 factors that could have an impact on pass-on, but not
24 ones that I feel are capable of actually being
25 implemented in a practical framework.

1 Q. Now --

2 A. So I have not implemented any of these sort of specific
3 findings around economic theory in my framework. All
4 I have done is look to what the economic theory suggests
5 are the important conditions that are measurable.

6 Q. I do not want to pursue a bad point. If you are saying
7 you are not implying that because the cost is only
8 roughly 1%, to be debated, of the overall cost of
9 a business, it is not likely to have an impact on the
10 supply curve; if that is not the point you are making,
11 I can move on.

12 A. Well, I think there is -- I am not saying that I do not
13 consider that to be a reasonable statement. All I am
14 saying is that I have not relied on that in my
15 application of the empirical framework.

16 PROFESSOR WATERSON: Can I just break in here?

17 Presumably some of the individual studies that you
18 have looked at, I have not checked, but some of them
19 will have estimated these sorts of things, estimated the
20 demand and supply function framework, and so
21 individually they have been able to do this, but it is
22 a shortcoming of the fact that you have limited data and
23 limited time that you have not been able to do this on
24 a broad scale?

25 A. Professor Waterson, that is a good question. I do not

1 think it is the case that the general approach in the
2 literature to assessing pass-on is to basically
3 reconstruct demand and supply curves over any particular
4 period of time, but it is often more of an empirical
5 exercise of looking at data, looking at any natural
6 experiments of changes in costs and trying to see what
7 that entails in the data. I think that is the more
8 typical approach.

9 PROFESSOR WATERSON: Right, okay. I know of some papers
10 that do, but --

11 A. Yes, sorry, I do not mean to say that none have, and
12 obviously there are some that look at, you know,
13 simulations which make assumptions around shapes of
14 curves, but I think the majority -- let me put it that
15 way -- the general approach has been to look at natural
16 experiments in terms of changes in unit prices of costs
17 to see what impact that had, based on a dataset that
18 included the before and the after.

19 PROFESSOR WATERSON: Thank you.

20 MR BEAL: I mean, shortly put, I think I can probably cut
21 through quite a lot of this.

22 You cannot claim, can you, that the supply curve in
23 the counterfactual is flat simply because the overcharge
24 is 1%?

25 A. No, I am not claiming any sort of factual position.

1 I am saying that there are a number of concepts that
2 might be relevant to the assessment of the long-term
3 supply curve, such as what you think about whether it be
4 scale economies or, you know, the amount of constraints
5 in the economy in terms of how much upper pressure there
6 would be on an increase in the amount of units. Those
7 are sort of some conceptual factors that might be
8 relevant.

9 In the longer term, obviously things like innovation
10 and, you know, pressure to try and identify the most
11 effective way of producing outcomes can put, you know,
12 a mitigating pressure on the upward slope of a short run
13 supply curve.

14 Q. A significant exogenous shock to the market as a whole
15 would cause an upward shift in the supply curve, would
16 it not, rather than a recalibration of its curvature?

17 A. Yes, at least for a change in marginal cost, yes.

18 Q. Even if the supply curve is relatively flat, an upward
19 shift in the entire curve would have a dramatic effect
20 on the quantity demanded, would it not, especially when
21 the demand curve shows that demand is elastic?

22 A. I think what you are essentially saying is that the
23 pass-on rate can depend on whether the shape of the
24 supply curve -- the interaction or the comparison
25 between the shapes of the two curves, and I agree with

1 that.

2 Q. The Commission Guidelines that we have looked at, let us
3 pull them up again {RC-J1.4/19/38}. If we look, please,
4 at paragraphs -- recitals 179 and 180.

5 One of the factors they take into account here, in
6 particular in 180, is not simply imperfect competition
7 and the consequences for that, but also differentiated
8 products, and differentiation can arise either in terms
9 of product characteristics or geography. So that
10 necessarily impacts, does it not, the level of price
11 differentiation on the overall market-wide analysis that
12 you are saying is a relevant factor to take into
13 account?

14 A. Yes, I think what this is saying is that, having already
15 identified some of the standard perfect competition and
16 monopoly theory approaches, that actually there are
17 a number of types of competition that can arise in
18 between, imperfect competition being an important one,
19 and that under those conditions, some other factors
20 could be relevant to the rate of pass-on.

21 Q. When you have dealt with the type of competition, so
22 Cournot versus Bertrand pricing, you have generally
23 concentrated in your reports on Cournot, is that fair?

24 A. I would have to go back and check. Again, my overall
25 approach has been to describe some of the economic

1 principles that the literature has identified, but to
2 reach a conclusion that from a practical and framework
3 perspective for the purpose of the proceedings one can
4 actually recognise that, well, quite a wide range of
5 outcomes could occur, and therefore one really needs to
6 get to the empirical evidence.

7 Q. Could I then move on to the next topic, which is your
8 implicit channels for pass-on. I do not think we
9 necessarily need to turn up the specific paragraph in
10 your report but let us have it there for assistance. It
11 is {RC-F/19/30}, starting at your eleventh report,
12 paragraph 24(a).

13 You suggest there are implicit, less visible
14 channels for pass-on. These will be very familiar to
15 you.

16 A. Yes.

17 Q. So you have suggested, for example, in 24(a), any expert
18 analysis -- I will pick up the wording specifically.

19 You say in the last sentence:

20 "Any argument based on individual cost
21 categorisation would need to be accompanied by
22 a detailed forensic analysis capable of demonstrating
23 that MSCs do not influence prices by means of such
24 possible alternative channels ..."

25 Now, are you trying there to reverse the burden of

1 proof that your evidence has to meet?

2 A. No, I am not saying anything about burden of proof.

3 What I am trying to identify here is to recognise that
4 the underlying incentives that firms will face in
5 relation to an industry-wide variable cost can be the
6 subject of broadly common agreement, I would have
7 thought, because essentially all of the experts accept,
8 I believe, that a common industry-wide and variable cost
9 would lead to a change in the pricing incentives.

10 What I am saying here is that, in my view, it is not
11 capable of being informative, at least in the long-run
12 answer, as to what is the rate of pass-on, to say, you
13 know, here is a channel by which that can happen,
14 because there might be a range of channels through which
15 this could happen. Some of those channels might be
16 arguably more direct than others, but the underlying
17 incentives would be similar, and the need to react to
18 competitors would also be of fundamental importance.

19 So what I am saying is that, given the inherent
20 complexities in any firm, which I certainly accept, and
21 I am not ever suggesting that profit maximisation is
22 a simple, you know, supply and demand curve that all of
23 managers have and they get price. I am saying that
24 given the complexity, it would be very difficult, in my
25 view, to come up with a qualitative evidence base that

1 gives you anything truly informative about the long-run
2 rate of pass-on of this type of cost, given what the
3 incentives are.

4 Q. You understand as a purely economic -- sorry, legal
5 matter, that the burden is on you and your evidence to
6 establish pass-on has occurred?

7 A. Well, I understand that the defendants --

8 THE CHAIRMAN: I do not think you meant to say that the
9 burden is on him.

10 MR BEAL: Well, it may feel like it is, but it is on the
11 team as a whole, I am sure.

12 A. Well, sorry, I obviously am aware of the general
13 principles around burden of proof for claimants and
14 defendants under different propositions. My
15 understanding is that there are -- the burden can be
16 made out in relation to a number of issues, one being
17 legal causation, one being factual causation, and one
18 being assessing what then is the empirical estimate,
19 given the above.

20 I obviously have not commented on legal causation,
21 nor really, in any detail, on factual causation. I have
22 essentially identified the economic and factual and
23 proceedings-based considerations that I think are
24 relevant to the assessment of sectoral pass-on.

25 Q. Can we look, please, in your twelfth report, at

1 paragraph 373 {RC-G/17/125}. It is entirely possible I
2 am reading too much into this, but I would like to see
3 the phraseology you use.

4 So what we see here, paragraph 373, the last
5 sentence:

6 "Overall, I have not seen evidence on how other
7 roles are compensated, including executives and senior
8 management and so I cannot rule out that Hilton
9 employees would have an incentive to pass on MSCs more
10 generally."

11 Now, you would accept, would you not, that that does
12 not in itself prove anything?

13 A. Yes, I am not saying that my review of employee
14 compensation, which came up with an inability to
15 identify whether that channel in practice existed
16 from -- for this claimant, and I think we are talking
17 about Hilton here, proves either that they did do it or
18 they did not do it, in the case of that particular
19 channel. It should be --

20 Q. Let me see if I have your argument right. So what you
21 are saying essentially is that firms, by setting pay
22 targets associated with the financial performance of the
23 company, might thereby incentivise the executives to
24 take steps to ensure that the MIF was passed on?

25 A. Yes, I think alongside any other sort of cost act of

1 relevant industry-wide variable costs.

2 Q. So if so, and if the MIF then decreased and led to lower
3 costs, would that mean that executives were incentivised
4 not to reduce prices so that the firm would make more
5 margin?

6 A. No, because that would not be the sort of profitability
7 incentive that would be relevant if there were such an
8 incentive scheme. The incentive scheme would obviously
9 have to take into account the net outcome of both the
10 change in any margin, but also the impact of any
11 competitive balance that they had relative to the other
12 firms in the market.

13 So, while, yes, being able to avoid passing on
14 a cost reduction might at first be a nice position, but
15 it is not a nice position if, as a result, you lose
16 sales. So obviously the trade-off is not purely about
17 the margin, it is about the combination of the margin
18 and the impact of the lost sales.

19 Q. Well, the channels you identify, and I am not going to
20 go into detail with this, you are very familiar with
21 this, but it is things such as performance metrics,
22 EBITDA performance targets and so on. That is one?

23 A. Yes.

24 Q. Competitor pricing is a big one for you, is that right,
25 for your evidence?

1 A. Well, it is a channel identified, and it happens to be
2 one where my review of the evidence as it was seemed to
3 indicate that that was used by all the claimants who put
4 in evidence.

5 Q. Then employee compensation along the lines we have just
6 been discussing?

7 A. Yes.

8 Q. So those are the three.

9 A. Sorry, and pricing strategy being the fourth.

10 Q. Pricing strategy is the fourth.

11 A. Yes.

12 Q. So which company operating in the modern economic
13 environment is not going to look at the prices charged
14 by its competitors?

15 A. I would suggest that it would be rare. I would agree
16 that most companies, at least in the competitive
17 environment, would be observing their -- what their
18 competitors are doing, and indeed that is one of the
19 reasons why my earlier -- I mean, obviously in this part
20 of the report I am engaging on this evidence, because it
21 is there, and because the other experts are relying on
22 it, so I want to understand what the evidence says. But
23 my position is that the factors, I will not repeat it,
24 as to what I think is relevant to the framework in
25 a sense would not have necessitated going down this road

1 because of the clear long-term incentive principles that
2 were already identified.

3 Now, I would have, if asked: well, what could be the
4 possible channels? I could have said, well, there might
5 be any number of channels, and obviously firms are very
6 complicated, but ultimately I am interested in what are
7 the incentives, because I do not think that firms and/or
8 entire sectors will diverge in the long term from those
9 incentives.

10 Q. None of those incentives can be described as providing
11 a direct route, can they, between a cost increase and
12 a price increase?

13 A. I am not sure I am really able to answer that question
14 because it seems -- maybe let us unpick it.

15 Q. Well --

16 A. The existence of a channel --

17 Q. Let us just take employee performance by reference to
18 financial performance in the accounts, management
19 accounts.

20 A. Yes.

21 Q. That is one of the implicit channels for pass-on you
22 have identified.

23 A. Yes.

24 Q. It is not going to be possible for you, is it, to say,
25 looking at a particular FTSE 100 company, the

1 remuneration package for the directors and officers of
2 that company is such that I can show that an increase in
3 the MIFs in 2019 -- sorry, 2021, following Brexit, led
4 to the pass-on into downstream customer costs for the
5 products of that FTSE 100 company?

6 A. I think I would generally agree that that would be very
7 difficult, and the only way that one would be able to
8 make the claim with that degree of precision, that you
9 can see a particular change in the particular MIF having
10 been translated, would be if you had a much broader sort
11 of investigation as to all the factors that could have
12 been taken into account under a wide range of cost
13 changes that actually took place, and then to try and
14 investigate, well, how similar were those to the
15 counterfactual change in the MIFs?

16 I do not think that that is the exercise that has
17 been carried out. It is obviously a more limited
18 disclosure exercise. So the interpretation I am putting
19 on here in the passage of the report that you are
20 identifying is to understand what are the channels by
21 which the incentives that the firms have, based on my
22 framework, could, and likely, in my view, would have
23 been used in order to actually lead to the long-run
24 outcome that I think is the likely one, albeit that the
25 empirical evidence is what will determine what the

1 long-run outcome is.

2 Q. Could we look, please, in your twelfth report, at
3 paragraph 187 {RC-G/17/65}.

4 I think this is the point that you were partially
5 just making. This evidence suggests that these indirect
6 channels may take a relatively long time to impact
7 pricing decisions. Can you see that in paragraph 187?

8 A. Sorry, which --

9 Q. The first sentence:

10 "Some of these channels may take a relatively long
11 time to impact pricing decisions."

12 So that is your evidence.

13 A. Yes.

14 Q. Can we then scroll back, please, to page 64,
15 paragraph 182(c). You then say:

16 "... it is not possible accurately to estimate
17 pass-on of overheads over the course of the claim period
18 due to data limitations."

19 So effectively you are saying the datasets do not go
20 far enough. Can you see that?

21 A. It is not possible to estimate the impact if the MSCs
22 changed. Sorry, is this the signal to noise ratio?
23 I am sorry, I cannot see the --

24 Q. (Overspeaking) -- basic point that you are complaining
25 about the datasets, and they only go back six years, as

1 I understand it, is your complaint. Is that right?

2 A. Oh, okay. Sorry, there is one question about whether it
3 is possible to model the impact of the MSCs, and my view
4 is clear, no, you cannot do that, even if you had
5 a longer dataset, frankly.

6 As to whether it is easily possible to identify the
7 pass-on of overheads, well, then, I have two points.

8 One --

9 Q. Forget overheads and the overhead --

10 A. Fixed costs.

11 Q. -- distinction for the moment, what we are talking about
12 is indirect channels --

13 A. Yes.

14 Q. -- and you are saying these indirect channels may take
15 a relatively long time to impact pricing decisions.

16 I am now saying to you: how are you going to show an
17 impact of an implicit channel over the long term when
18 you are complaining that the datasets do not cover
19 sufficiently the long term?

20 A. My view is that ... I am not actually sure that this
21 evidence is capable of being used in that way because of
22 the limits to how much weight you can put on which
23 channels were used and under what exceptions they might
24 have been adopted.

25 Furthermore, while I think, as you pointed out, it

1 described that some of the channels might operate over
2 a somewhat longer term, some of them might in theory
3 also operate under a quicker term. So, for instance,
4 a competitive reaction to an industry-wide variable cost
5 could possibly take place more quickly.

6 The problem with the dataset is that you cannot hone
7 in on what I consider to be the more relevant aspects of
8 the application of those channels in a condition where
9 there is an industry-wide variable cost. If there were
10 proxies of that nature, then I think that might be
11 something you could do, albeit the dataset length is
12 a likely limiting factor, actually, because many of the
13 datasets are only between, you know, six years or so,
14 plus or minus.

15 Q. Could we then please look at page 66 of this report,
16 paragraph 188 {RC-G/17/66}. Here you say you would
17 expect such channels to exist:

18 "Profitable businesses must have processes in place
19 that ensure that their pricing reflects their costs,
20 irrespective of how such costs are classified."

21 What you are essentially saying there, are you not,
22 is that firms must have a budgetary process in place to
23 ensure that they recover their costs in the long-run?

24 A. Not quite. I am saying that the underlying incentives
25 that firms will face may not be applied on a day-to-day

1 basis through precise economic theory-based profit
2 maximisation principles, but at least over the longer
3 run, and at least given that they have to react to their
4 competitors, firms would have a range of tools and
5 processes and ability to take these incentives into
6 account. That is, I think, really what I am saying
7 there.

8 Q. Are you suggesting that the MSC levels are explicitly
9 taken into account when setting executive pay?

10 A. The evidence I have been able to review does not in all
11 cases allow one to make that conclusion, "yes" or "no".
12 I think in some cases, and speaking a bit more broadly
13 about the different channels, I have identified that it
14 appears that is not --

15 Q. (Overspeaking) Just sticking for a moment with the
16 executive pay.

17 A. Okay.

18 Q. Can you tell me, if necessary by an oblique reference
19 rather than a specific name, of an individual example
20 where you can show that MSC levels have explicitly been
21 taken into account when setting executive pay?

22 A. I cannot recall. In Holt 12 I have a section which
23 summarises the evidence. I am -- what -- I cannot --
24 I cannot recall whether the evidence relating to
25 executive pay explicitly related to MSCs or did so by

1 analogy due to the fact that it was within a cost stack
2 that was specifically covered. So essentially I was
3 looking at both situations: (i) were the budgetary
4 pricing or other processes directly referring to the
5 MSCs; or (ii) were they directly referring to MSC -- a
6 cost stack that included MSCs? If either of those two
7 points held, then I would identify that as a channel
8 through which a change in MSCs could have had an impact
9 on pricing in the way that the underlying incentives
10 might have indicated.

11 If I did not find evidence, then I tried to make
12 a comment that would either say this was -- because
13 there really was not much evidence to look at, so
14 I really cannot form any view at all. Or in some cases
15 I said the evidence I saw did not indicate that they
16 used that particular channel, and so I did not come to
17 a view that every channel was always used by every firm.
18 I identified that some channels were used. The
19 competitive reaction channel seemed to be used by every
20 firm. Then there was a mix of different channels used
21 by different firms. Some used pricing strategy, such
22 as -- I do not know if I can name Travix, WorldRemit,
23 Allianz, others. All of them, as I say, used
24 competitive reactions, and a mix and a subset used the
25 other two tools. Quite a few used margin targets,

1 perhaps a somewhat smaller number used executive
2 compensation.

3 Q. Could we turn to margin targets, seeing as you have
4 mentioned it. That is Holt 12, please, 191(b), page 67
5 of this report {RC-G/17/67}.

6 You refer there to various people. Their names are
7 confidential, so we will ignore the fact you have just
8 read some of them out.

9 A. I am sorry.

10 Q. That is all right. Essentially, what you are saying is
11 the overall profitability has to be taken into account
12 when setting margin targets. Is that what you are
13 saying?

14 A. Which paragraph, please?

15 Q. (b) at the top of the page. You say:

16 "Documentary evidence confirms that overall
17 profitability is or may be taken into account when
18 setting margin targets."

19 A. Yes.

20 Q. How is that different from the business looking at its
21 overall costs in a budgetary or management process?

22 A. I think it is just a more specific way in which specific
23 decisions might be made about margin targets, according
24 to the evidence, and what factors might be taken into
25 account. That is all.

1 Q. If you are saying that it is enough to show that an
2 overall change in the overall cost stack would lead to
3 an impact on profitability, there would not be any case
4 where pass-on would not be established, would there?

5 A. I think I disagree because -- well, sorry, if -- because
6 it would need to be on the basis of whether the
7 mechanism was one that related to MSCs.

8 Again, this is all essentially in the alternative
9 framework to my preferred one, which is that this
10 evidence is not really particularly informative, but
11 I am engaging on it, given the approach adopted by
12 the -- some of the experts.

13 Q. General cost recovery as an economic concept does not
14 establish pass-on, does it?

15 A. I agree that nothing in my approach relies on general
16 cost recovery and, as I say, I do not -- I do not agree
17 with the suggestion that all costs must be recouped in
18 the long-term because some of them might be
19 firm-specific, and also the rate of recoupment may not
20 be complete in any event even if it was industry-wide.

21 Q. Do you accept the evidence, some of which we have heard,
22 some of which we have read, that merchants will closely
23 monitor their gross margins?

24 A. I am sure merchants would be likely to do that.

25 Q. That gross margin is the difference between sales prices

1 and the COGS?

2 A. Well, I am not sure I can reach a generalised view on
3 that. I think that is one of my concerns about going
4 down this route, is that one makes statements about how
5 firms operate, and then makes a statement such as all
6 firms look at price relative to COGS.

7 I do not have any basis to say, "yes" or "no" to
8 that. I am not sure, looking at the evidence base that
9 has been put forward in this case, one can reach that
10 finding. Obviously I cannot remember how many of the 13
11 claimants submitted much evidence, and obviously there
12 is a great variation in the amount of evidence that was
13 put forward. So there is only a subset of the claimants
14 submitting data that provided much evidence at all.

15 I just do not think you can read across from that very
16 modest sort of -- and non-representative sample of the
17 entire retail economy what all firms are doing.

18 Q. Well, I perfectly accept that as a proposition.

19 Let us take a very plain vanilla example, if we may.
20 So we heard evidence in the hot-tub about T-shirts, a
21 pack of five becoming a pack of four, part of
22 shrinkflation.

23 A. Yes.

24 Q. So let us imagine there is a t-shirt re-seller on the
25 high streets of Great Britain who has imported those

1 T-shirts from a producer in the Far East. They are
2 likely to be concerned primarily about two things, are
3 they not, the wholesale cost of the T-shirt and the
4 price they can sell it for on the high street?

5 A. Yes, I can see that those are certainly important
6 factors.

7 Q. Their gross margin is therefore going to reflect the
8 revenue they derive from sales, pitched against the
9 wholesale price of the key component of the product they
10 are reselling?

11 A. Yes, and I can imagine that that might be something they
12 take into account, and they might take other things into
13 account as well. I am not ruling in or out other things
14 that they might take into account.

15 Q. So where a merchant in that situation is trying to set a
16 gross margin target, it is looking at the core cost of
17 effectively the key component that goes into its sale
18 and the revenue it is likely to derive from that sale?

19 A. Well, this is one example where, by construction, that
20 is being put forward. My point is that I cannot
21 generalise from an example which is illustrative, such
22 as this, or even from the very limited amount of
23 evidence from a small number of retailers, to generalise
24 out to, well, do all firms in the economy tend to
25 operate all of their budgeting, pricing, management

1 incentives overall?

2 Q. You are not in a position, are you, to go behind the
3 evidence we have heard that MSCs are generally not
4 a direct input or -- full stop, not a direct input --
5 into the prices that the merchants are charging?

6 A. Well, let us sort of try -- let me answer that question.
7 So the limited evidence that has been put forward
8 would -- from a small number of merchants seems to
9 indicate that at least three and possibly four of that
10 small set do that. I mentioned some. I will not repeat
11 that error.

12 Q. I am going to come to deal with individual merchants at
13 the end because I want to go into closed session.

14 A. Yes.

15 So of a small number, a subset of them do seem to do
16 that, and two other points.

17 (i) the amount of evidence overall put forward by
18 many of the claimants makes it very difficult to reach
19 a definitive view as to what they would do you under all
20 sorts of different potential hypothetical and
21 counterfactual circumstances because there has been, in
22 my view, a fairly limited attempt to go down that
23 potentially very detailed forensic route that you would
24 really need to do in order to reach such a definitive
25 view.

1 In my view, that is not necessary or proportionate
2 or relevant to my methodology, but if you were going
3 down that route, I think that is -- the information we
4 have is not what you would need and, in contrast, and
5 where I am not sort of overweighting this evidence but
6 the European Commission, in the post-IFR study that it
7 carried out after implementing the IFR, looked at what
8 retailers were telling it about the impact of the
9 reduction in the MIFs and it said that a majority of
10 them had pricing strategies and many of them took the
11 payment -- cost of payments into account.

12 Q. I am going to come back and look at that study with you
13 on Thursday, but in the meantime can we establish some
14 broad propositions.

15 A. Sure.

16 Q. One of the implicit channels that you refer to is
17 profitability measures, such as EBITDA; correct?

18 A. Yes. So I think more -- somewhat more precisely,
19 whether changes to such measures could trigger changes
20 in margin targets as an example.

21 Q. EBITDA is broader than the gross margin so I am now
22 contrasting gross margin, which we were just discussing,
23 with EBITDA which covers a wider range of costs;
24 correct, as a margin?

25 A. Well, it is before the wider range of costs. It is

1 before.

2 Q. Because we have heard some of the evidence being that
3 you have the top line and then you have the next
4 line down and then you have different calculations for
5 gross margin versus the EBITDA margin.

6 A. Okay.

7 Q. Do you accept that evidence or --

8 A. Sorry, I am happy to proceed on it. Again, I am not
9 sure I have been able to form definitive views as to
10 what firms do on the basis of the amount of evidence
11 that I have seen.

12 Q. You would accept, because you cannot do anything but,
13 that the evidence that we have heard, and I appreciate
14 you are going to make your point about this as
15 a self-selecting range of claimants, etc, but the
16 evidence we have heard is that these firms categorise
17 costs as being typically overheads or typically cost of
18 goods sold?

19 A. Sorry, that is a general point about they just put costs
20 into either of those two buckets, is that right?

21 Q. Yes.

22 A. I understand that at least of them, perhaps, have said
23 that. I also understand that there is a recognition
24 that within either of those buckets there can be a range
25 of different types of costs and, furthermore,

1 I understand that when you look at some of the
2 individual statements, the fact that something is in
3 a general bucket, i.e. say overheads or COGS, is not
4 determinative as to what they do with it; in other
5 words, sometimes they treat some of those costs
6 differently within the overhead category than other
7 costs.

8 Q. A number of the points that were put to the witnesses by
9 Mr Jowell for Visa was to the effect that the overheads
10 would be used in the calculation of an EBITDA margin.
11 Do you remember that evidence?

12 A. I cannot say I recall that precise evidence, but I think
13 this is the general proposition that it is possible that
14 a range of variations and costs could be taken into
15 account in EBITDA, yes, in setting of targets, yes.

16 Q. So that particular margin must necessarily encompass not
17 simply COGS but also overheads as well?

18 A. Yes.

19 Q. As a margin range?

20 A. Yes.

21 Q. Now, if the firm is already setting prices as
22 a profit-maximising level, then increasing prices will
23 decrease the EBITDA margin, will it not, all else being
24 equal?

25 A. Well, I think -- I think if a firm is already setting

1 a price at a profit-maximising level, then, by
2 definition from that statement, any change to the price
3 would be moving away from the profit-maximising level.
4 I do not think that is the relevant question. I think
5 the more relevant question is: if a cost change, in my
6 view most relevantly an industry-wide and variable cost
7 change, has occurred which means that you are no longer
8 at your profit-maximising level, what are you likely to
9 do and over what period and exactly how you might do it.

10 Q. The classic profit-maximising theory would say that if
11 you can identify that marginal costs have increased, it
12 is economically rational to increase prices. That is
13 part of your case, is it not?

14 A. Yes, I mean, that is sort of at the most -- sorry, if
15 marginal costs have increased, then that would often
16 lead to a change in your profit-maximising price.
17 Again, it actually does depend on the circumstances. If
18 it was a firm-specific increase in marginal costs and
19 you are subject to close competitive tension from rivals
20 who did not experience that --

21 Q. Again, that is not your case.

22 A. -- then you might not --

23 Q. You are saying this is industry-wide. I am going to
24 come on to industry-wide.

25 A. Okay.

1 Q. Assume it is an industry-wide increase in marginal
2 costs, it would be economically rational to increase
3 prices?

4 A. Yes.

5 Q. Of course the individuals who are taking the
6 decision-making would then need to be aware that the
7 relevant increase in costs was an increase in marginal
8 costs?

9 A. No, I disagree with that because that implies a sort of
10 conscious consideration of all costs. What I am saying
11 is that there would be a range of pressures in the
12 competitive environment and through the ownership models
13 to sort of optimise the position and that they would
14 over time move in line with what the profit-maximising
15 level would be in the longer run.

16 Q. We have established that EBITDA and the target that is
17 being set is profit-maximising, absent an identified
18 change in marginal costs, and so if you cannot identify
19 the change in marginal costs you are risk of making the
20 wrong pricing decision for the profit-maximising level,
21 are you not?

22 A. Well, I accept that any individual decision can be made
23 with a forecast error or you might not be fully aware of
24 all of the information. So, yes.

25 Q. Let me put it another way: if all that they know is that

1 the EBITDA margin has fallen without knowing how the
2 costs have changed, it is a stab in the dark, is it not,
3 to increase their prices in response?

4 A. Well, in my argument I think it would be relevant to
5 understand whether the nature of the change in the
6 EBITDA margin was stemming from something that closely
7 affected your rivals or not. So my view is that that
8 would be the most relevant consideration and that you
9 would differentially treat the costs that fit that
10 characteristic when taking into account your
11 profit-maximising position.

12 Q. But if the main measure of variable costs, COGS, has not
13 changed and they do not identify the change in the MSC
14 specifically, then they have no reason to think that
15 their profit-maximising rate that they have set already
16 needs to be adjusted, do they?

17 A. Well, that is the -- that is where the debate as to,
18 well, how might that happen over time and that is where
19 I think the different channels come into it, one of
20 those channels being pressure through the competitive
21 environment.

22 Q. It is even starker, is it not, if we look at
23 a counterfactual situation of an increase in EBITDA
24 because the MIF drops to zero. Why would a firm seeing
25 an increase in its EBITDA margin drop prices?

1 A. In my view, it would react to that because of the change
2 in the industry-wide variable cost and I accept that if
3 the proposition is that it has observed a change in
4 EBITDA margin, but those individuals have not sort of
5 investigated what the cause of that was, then that would
6 be the sort of thing that might lead to some adjustment
7 factor, i.e. some timeframe over which the inbuilt
8 pressures associated with the change in incentives might
9 actually come to fruition. It might come through
10 a range of other mechanisms. It might come through, you
11 know, the competitive reaction as just one example.

12 Q. So if what we are dealing with is a very small increase
13 in a cost, which does not move the dial for the
14 management and they have no reason to attribute it to
15 a particular type of cost, whether it is overhead, COGS,
16 or anything else, the reality is they would be mad to
17 increase or decrease their prices, would they not?

18 A. Well --

19 Q. Given that they have already set at the
20 profit-maximising level.

21 A. Well, I think, as new information comes to light and
22 over time and given the competitive pressures and the
23 pressures of ownership, I would expect that they would
24 investigate this. You mentioned the counterfactual.
25 The counterfactual is a widespread, economy-wide change

- 1 in the setting of the MIFs, i.e. --
- 2 Q. But that is a tiny sum, is it not?
- 3 A. But it is --
- 4 Q. Changing from 0.2% of the revenue to --
- 5 A. I am not saying that it is necessarily large, but, on
- 6 the other hand, as I think Mr Coombs' report identified,
- 7 it is not -- you know, it is a fairly material
- 8 proportion of an operating margin that a typical
- 9 European firm has earned and --
- 10 Q. It is a tiny proportion of the operating margin compared
- 11 to total COGS, is it not?
- 12 A. It is -- well, yes, total COGS, almost by definition,
- 13 must be higher than the operating margin because if
- 14 operating margins are only 3%, your net profit takes
- 15 into account all costs.
- 16 Q. But you are suggesting we should be taking into account
- 17 total COGS as a proxy for this particular cost change?
- 18 A. Yes, because it is the most relevant in my view. In
- 19 some cases there are some alternatives to it, but it is
- 20 the most relevant indicator of a firm-wide --
- 21 industry-wide variable cost.
- 22 Q. Can I deal now with competitive pricing, which is
- 23 another of your implicit channels. Your case is that
- 24 Sainsbury's might implicitly pass on a MIF overcharge
- 25 when pricing for its cleaning products if it monitors

- 1 Tesco's cleaning products?
- 2 A. I mean, that might be one way. I mean, obviously --
- 3 Q. Or is it all goods --
- 4 A. -- there is a virtually infinite range of ways in which
- 5 this could happen. It could be through promotions or
- 6 discounts or, you know, updating the price matching
- 7 policy. You know, I think one of the challenges with
- 8 going down this qualitative evidence is that it is
- 9 really not capable of actually accounting for all of the
- 10 complexity and ways in which the underlying incentives
- 11 would potentially operate. So I think that was one way
- 12 it might happen, but there are many others.
- 13 Q. Let us focus on *Sainsbury's* for a moment because we
- 14 know, for example, there is a binding finding from this
- 15 Tribunal, that has not been overturned on appeal, that
- 16 Sainsbury's did not pass on any of its MIFs over
- 17 a certain period. You are saying for Sainsbury's you
- 18 could infer that Tesco must have priced by reference to
- 19 the MSCs that it was charged and therefore Sainsbury's,
- 20 by following Tesco pricing, has also passed on. Is that
- 21 what you are suggesting?
- 22 A. Sorry, I am just reading because I was not sure
- 23 I understood the question.
- 24 Q. Well, ignore the slightly jury point I made about
- 25 Sainsbury's having failed to establish its case. Let us

- 1 just take Sainsbury's and Tesco as two competitors.
- 2 A. Sure.
- 3 Q. You are saying you can show that Sainsbury's has passed
- 4 on a particular increase in the MIF by reference to the
- 5 fact that Tesco is inferred to have passed on an
- 6 increase in the MIF and Sainsbury's must follow Tesco in
- 7 its pricing?
- 8 A. That is not quite what I am saying. What I am saying is
- 9 that there are important incentive implications of
- 10 a change of cost that we are describing and that in
- 11 a competitive environment monitoring competitors'
- 12 reactions is one mechanism by which changes of that type
- 13 of costs could take effect, even if the firm is not --
- 14 Q. Well, how --
- 15 A. -- explicitly monitoring that cost.
- 16 Q. How is that going to happen if Tesco have not in fact
- 17 factored in an increase in the MIF into their pricing?
- 18 A. Well, it might be -- I mean, firstly, it may not be that
- 19 they have done so in a direct way. It might be that
- 20 there are indirect mechanisms. Secondly, it might be
- 21 that there is sort of a chain of causation that some
- 22 other retailer has done that and both of these are
- 23 competing with Aldi who has done. I think that is one
- 24 of the --
- 25 Q. I was going to use Morrisons but you have beaten me to

1 it with Aldi.

2 A. You could use Morrisons. Any of them could potentially
3 have done this and caused others to sort of react in the
4 market.

5 Q. If I have your evidence correctly, what you are saying
6 is you can infer that Sainsbury's have priced by
7 reference to an increase in the MIFs because you can
8 infer that Tesco have priced by reference to the MIFs
9 because they have priced by reference to Aldi?

10 A. Well, I am not reaching any specific inferences as to
11 what logically must follow. What -- that overstates my
12 position. My position is that, once it is identified
13 what the nature of the cost change is, and in my view
14 that -- and I think the other experts agree -- in
15 principle changes the incentives. There is disagreement
16 as to what the visibility and pricing strategy might be,
17 but the change in the incentives is clear.

18 My view is that, given the change in incentives,
19 there are a broad range of ways in which those
20 incentives can in fact be implemented. How quickly?
21 Some might be very quick. Some might take a bit longer.
22 But I would not expect any persistent deviation from
23 those incentives.

24 The customer reaction response is one mechanism by
25 which all of this might happen. I am not saying that

1 here is some evidence that Aldi did it and here is
2 a reaction by Tesco to Aldi and here is a reaction by
3 Sainsbury's to Tesco. All I am saying is that that is
4 just one illustration of a myriad of ways in which the
5 underlying incentives could have actually led to
6 a change in the medium to longer term.

7 Q. If you can establish as a matter of fact that one of my
8 clients passed on, let us say it is a supermarket, the
9 MSC to an internal pricing mechanism, you do not need to
10 rely on this implicit mechanism of competitor-based
11 pricing, do you?

12 A. I think it depends on what you are seeking to do with
13 this type of evidence. My view is that it does not so
14 much matter which of the mechanisms can be specifically
15 identified because in the longer term one or multiple of
16 them is likely to have adopted. Otherwise you have
17 a persistent deviation of a firm from where it is
18 leaving money on the table and the industry is
19 essentially out of equilibrium for a persistent period
20 of time, which I think is unlikely.

21 Q. More generally, supermarket pricing depends on all sorts
22 of factors, does it not, such as the reaction of the
23 customer to overall changes in the basket of goods,
24 perception of value, changes in perceived demand and so
25 on?

1 A. I entirely agree that there is a huge amount of
2 potential complexity and probably actual complexity
3 around how many large organisations determine pricing,
4 and that is one of the reasons why a fairly limited
5 information exercise trying to cover all that complexity
6 I think is not particularly meaningful.

7 MR BEAL: That may be a convenient moment to pull up stumps
8 for today.

9 THE CHAIRMAN: Yes. All right, well, you have the day off
10 tomorrow, but you are still in the witness box so you
11 can just relax and --

12 THE WITNESS: I am not sure that is how I will put it.

13 THE CHAIRMAN: We will see you and everyone else at 10.30 on
14 Thursday.

15 THE WITNESS: Thank you.

16 (4.30 pm)

17 (The hearing adjourned until 10.30 am
18 on Thursday, 28 November 2024)