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IN THE COMPETITION
APPEAL TRIBUNAL

Case No: 1517/11//7/22

Salisbury Square House
8 Salisbury Square
London EC4Y 8AP

Wednesday 14 February – Thursday 28 March 2024

Before:

The Honourable Sir Marcus Smith (President)
Ben Tidswell
Professor Michael Waterson

(Sitting as a Tribunal in England and Wales)

**MERCHANT INTERCHANGE FEE UMBRELLA
PROCEEDINGS**

TRIAL 1

A P P E A R A N C E S

Kieron Beal KC, Philip Woolfe, Oliver Jackson & Antonia Fitzpatrick (instructed by Stephenson Harwood LLP and Scott+Scott UK LLP) on behalf of the Stephenson Harwood LLP and Scott+Scott UK LLP Claimants

Brian Kennelly KC, Jason Pobjoy, Isabel Buchanan & Ava Mayer (Instructed by Linklaters LLP and Milbank LLP) on behalf of Visa

Sonia Tolaney KC, Matthew Cook KC, Owain Draper & Veena Srirangam (Instructed by Jones Day) on behalf of Mastercard

1 Wednesday, 6 March 2024

2 (10.00 am)

3 THE PRESIDENT: Good morning, and thank
4 you for moving to the front row; I apologise to
5 counsel for being displaced. I think it would
6 be appropriate if we quickly swore you all, we
7 will do it once and we will not need to have it
8 repeated. Do we know if you are being affirmed
9 or otherwise, are you all affirming -- one is
10 not --

11 MR FRANKEL: Affirm versus?

12 THE PRESIDENT: Versus being sworn, so
13 either Bible or no Bible.

14 MR FRANKEL: No Bible.

15 THE PRESIDENT: I think everyone prefers
16 no Bible.

17 MR HOLT: No Bible.

18 THE PRESIDENT: Would you mind affirming.
19 Thank you very much.

20 DR GUNNAR NIELS (affirmed)

21 MR DEREK JAMES HOLT (affirmed)

22 MR NEIL ALISTAIR DRYDEN (affirmed)

23 DR ALAN SCOTT FRANKEL (affirmed)

24 Questions by THE TRIBUNAL

25 THE PRESIDENT: Thank you very much.

1 Welcome to the concurrent evidence, or hot-tub.
2 Can I just make clear as I made clear yesterday
3 that although you have been sworn and we will
4 not be reswearing you, you are not in purdah
5 and you should be free, if you wish to, to
6 discuss matters with your legal team. We
7 regard this as an exchange, not as the formal
8 giving of evidence.

9 I wonder if we could hand out, I am afraid
10 it is a very hand drawn diagram, but it is
11 an effort that I made to depict the scheme and
12 I think you ought to have it before we will ask
13 any questions. Just the experts, yes, thank
14 you. (Document distributed)

15 Thank you very much. Apologies for its
16 rather rudimentary nature, I have already been
17 criticised for the absence of decently drawn
18 matters but I am sure we can rectify that.

19 I am going to ask about the scheme. I am
20 not sure whether pass-on is going to affect the
21 answers that you give, I strongly suspect not
22 but before you give any answers, I would be
23 quite grateful if you would bear in mind two
24 scenarios: one is where there is a 90% pass-on
25 of all costs generally and a 10% retention; and

1 then secondly the precise converse, a 10%
2 pass-on of all costs generally and 90%
3 retention. I am going to assume that either
4 which way, your answers are the same. If it
5 makes a difference to your answers then please
6 do say so.

7 The reason I ask you to look at both sides
8 or both ends of the telescope is of course
9 because Trial 2 later on this year will be
10 dealing with pass-on and to the extent there
11 are pass-on questions, I want them to be
12 clearly identified so we do not prejudice what
13 is going on in Trial 2. So I very much hope
14 your answers will not be different, but if they
15 are clearly that is something we will need to
16 take into account.

17 I am going to begin by explaining how
18 I think the scheme works. Now, this is not
19 necessarily a question of expert evidence.
20 There is certainly some law involved and if
21 I am wrong about what I say on the structure,
22 then I am sure I will be corrected in
23 submissions in due course. So I am not going
24 to be inviting your views on legal questions,
25 that would be quite wrong. But if my

1 description of the scheme is so far off being
2 from the way you have been approaching it, then
3 of course I will want to understand your
4 different understanding because I will not be
5 able to understand your opinions without having
6 that well in mind.

7 So looking at the diagram, we have the
8 scheme, as I call it, and I am indifferently
9 referring to Visa or Mastercard there, we have
10 the scheme at an apex of an A and then down
11 each leg, we have what I am going to call two
12 different markets, but we may want to discuss
13 that.

14 So the left-hand side is the issuer leg
15 and the right-hand side is the acquirer leg and
16 what we have down each leg is a series of
17 contracts and I have marked them in red, you
18 can see there is a contract between the scheme
19 and the issuer and another contract between the
20 issuer and the cardholder and then there are
21 three contracts down the right-hand side:
22 scheme acquirer, acquirer merchant and merchant
23 customer. So those are what I would call
24 bilateral agreements between each individual on
25 each side.

1 Now, what that means is that each issuer
2 enters into a contract with the scheme on their
3 own behalf, each cardholder enters into
4 a contract with their issuer and each customer
5 will have a contract for sale of goods with
6 their merchant and each merchant will have
7 a contract with the acquirer, the acquirer
8 scheme. So individuated bilateral contracts.
9 But of course they will be in a standard form
10 and they will be interconnected because one of
11 the things that we see here is we have a chain
12 and the contract needs to speak to one another
13 in order for the whole chain to work.

14 So what we have got in addition to a chain
15 is something of a loop and we may want to come
16 back to this, in that what we have at the
17 bottom of the A is a unified person -- the
18 cardholder, the customer -- who is the same
19 person in any given transaction because what
20 you have got is you have got the cardholder's
21 customer contracting with the merchant for the
22 supply of goods and services and the same
23 person as cardholder paying but paying through
24 the intermediation of this chain of bilateral
25 contracts. So what we have is a replication in

1 an altogether more complex way, a replication
2 of a cash transaction. So in a cash
3 transaction all that happens is that the
4 customer hands over notes or coins to the
5 merchant and receives a product in return.

6 Here there is actually no transfer of
7 value by the customer to the merchant at all;
8 instead there is an indirect transfer of value
9 in that through this chain monies from the
10 cardholder's account, whether it is debit or
11 credit -- it will be an account, maybe in debt
12 it might be in credit -- but it migrates from
13 the cardholder up to the scheme and down to the
14 merchant.

15 The key point, however, is that payment in
16 full satisfaction is made by the customer to
17 the merchant. That is the one thing which
18 I see is the non-negotiable element of this
19 entire thing. If you do not have the
20 equivalent of cash being delivered by the
21 scheme then you have got no scheme. What we
22 have seen over time is the extent to which the
23 schemes, Visa and Mastercard, have achieved
24 a degree of universality and one of the
25 witnesses yesterday mentioned that Visa and

1 Mastercard had achieved universality, which is
2 the kind of general acceptance of the cards in
3 transactions so that they are more or less the
4 equivalent of cash.

5 So that is my take on the scheme.

6 One final point before I ask my first
7 question and it is this: at each stage of the
8 bilateral chain of contracts, there is the
9 potential to charge money. In other words, we
10 talk about settlement at par which means that
11 what the customer agreed to pay the merchant is
12 transferred without deduction through the
13 scheme so that if the merchant is charging the
14 customer £10, that is what the merchant
15 receives.

16 Now, it is of course quite possible to
17 have a form of settlement which is not at par
18 where the merchant receives less. But the only
19 way that works is by ensuring that those
20 deductions are contractually agreed throughout
21 the chain of agreements that I have depicted in
22 red on this diagram; in other words, you cannot
23 without having bilateral agreements that talk
24 to one another have a deduction at one stage or
25 one link in the chain which is not acknowledged

1 as legitimate later on because otherwise what
2 would happen is the merchant will say to the
3 acquirer: why have I not received my £10? If
4 the merchant has not agreed to a deduction, the
5 merchant will be saying well, I am not going to
6 be playing this game any more because the whole
7 point of this is that I receive that which the
8 customer has promised to pay by an indirect
9 means.

10 So that is all I want to say by way of
11 introduction.

12 I will move to my first question, which is
13 this: is this, in your view a two-sided market
14 and could you, to assist us, identify what you
15 say the two markets are and what we will do is
16 we will start with, in this case, Dr Niels and
17 the question will then move round. But the
18 first person asked will obviously have to give
19 the fuller answer and then you can say how far
20 you agree or disagree.

21 So, Dr Niels, that is my question to you.

22 DR NIELS: Thank you, sir. So a short
23 answer is yes, this is a two-sided market and
24 I can elaborate on why that is. Also, sir,
25 I do not want this to become a battle of the

1 diagrams like perhaps we had in
2 Comparethemarket but I would also encourage
3 maybe all of us or you to look at my figure 2.1
4 in my report. Maybe could we get that on the
5 screen?

6 THE PRESIDENT: Yes.

7 DR NIELS: This figure, so I had actually
8 a look at all the other figures that have been
9 drawn in previous cases by the Commission, by
10 the OFT, by previous courts in Europe and in
11 the UK and they are all quite -- they are all
12 similar in nature; they are similar to my
13 picture. Maybe my picture -- my figure, I do
14 not see it yet, but my figure is a bit more
15 comprehensive because it has that final arrow
16 at the bottom the relationship between the
17 cardholder and the merchant as well, more
18 explicitly than some of the other pictures.
19 But my proposition would be that that is the
20 kind of --

21 MR TIDSWELL: Would you like a reference
22 for that?

23 DR NIELS: It is my first report.

24 MR TIDSWELL: {RC-H3/2/48}. I think
25 I have that right.

1 DR NIELS: Indeed. So I was saying this
2 is in essence the same picture that everyone
3 else has drawn in the past whereas perhaps
4 I have been a bit more explicit at the bottom
5 between the cardholder and the merchant. In my
6 mind, I would say that to understand
7 interchange fee and to understand the dynamics
8 of how these four-party card schemes operate
9 where interchange fee comes in, this is the
10 kind of picture you need to look at and what
11 the others have done. Of course you can draw
12 variations of the picture to understand
13 specific phenomena.

14 So I would say, sir, your picture is
15 actually a slight variation which can be
16 helpful to understand certain things. I have
17 also added a few variations myself: for
18 example, when I talk about the CAR, central
19 acquiring, I use this picture with another
20 scheme next to it in another country. So it
21 can capture other dynamics as well including
22 the ones that you seek to capture with the --
23 in particular at the bottom the merchant and
24 the cardholder.

25 THE PRESIDENT: You are quite right,

1 Dr Niels. I mean, first of all your diagram is
2 much more elegant than mine but I will forgive
3 you.

4 Secondly, I have got the contractual
5 relationship between the cardholder customer
6 and the merchant. It is because I have elided
7 or rather separated out the two functions of
8 cardholder and customer but the fact is that is
9 the line between the merchant and the customer
10 which is the delivery obligation on the
11 merchant to provide the service or the good
12 contracted for and the payment obligation of
13 the customer.

14 So I entirely agree with you. What I have
15 not put in is the payment flows, I have only
16 marked up the contractual flows and that is why
17 the interchange fee is in the lurid purple that
18 you see because I do not think it has
19 a contractual basis other than what I have
20 delineated in red, but of course it is
21 a payment which is what we are talking about
22 during the course of this trial and we will be
23 coming to that.

24 So that is very helpful?

25 DR NIELS: Yes, sir. If I can just make

1 two more points on this.

2 THE PRESIDENT: Please.

3 DR NIELS: One thing. You can see in my
4 picture the dotted lines, I have called it the
5 payment card scheme. So because all these
6 transactions -- and perhaps you can add that to
7 your picture easily as well, but one has to
8 bear in mind that the transactions by card take
9 place within the context of a whole scheme and
10 in the scheme various activities take place as
11 well, and that incurs costs including, as you
12 mentioned, the payment guarantee as we have
13 seen from the factual evidence; that is
14 an activity that incurs cost more on the
15 issuing side than the acquiring side.

16 So it is important to bear that in mind,
17 that this is a scheme, all these activities
18 take place in the context of a scheme and there
19 are certain rules that are needed for that
20 scheme.

21 Then to answer your question on the two
22 sides. The two sides are the merchant side and
23 the cardholder side. In that sense, again
24 maybe that follows more clearly from my picture
25 than from this picture, Mastercard and Visa as

1 a platform are no different from other payment
2 methods, systems that are also two-sided and
3 have -- and want to connect consumers and
4 merchants and need to get both of them signed
5 up and therefore often have a skewed pricing
6 structure.

7 The only difference -- the only reason why
8 Visa and Mastercard need an interchange is
9 purely organisationally, they do not deal with
10 the cardholders and merchants themselves, they
11 have issuers and acquirers. That is where
12 interchange comes in. But in essence Visa and
13 Mastercard are a two-sided platform connecting
14 merchants and cardholders just -- and have
15 therefore skewed pricing structure which is
16 very common in two-sided platforms, just like
17 the other payment methods have.

18 THE PRESIDENT: That is very helpful. In
19 fact you have anticipated and answered
20 a question that I was going to come to, but
21 I will bring it out now in case the other
22 experts disagree. You have referred to the two
23 sides of the market as cardholder and merchant
24 markets which to be clear I agree with, not
25 that that matters, rather than issuer and

1 acquirer markets and what you have done is
2 I think you have focused on what I would call
3 the ultimate consumer; in other words the
4 person who is deriving ultimate benefit from
5 the scheme in the sense that you have got as an
6 ultimate consumer, defining that person as
7 someone who does not on-sell the product that
8 the scheme offers, or incorporate anything else
9 but just uses it without on-selling. Then in
10 that case that is the cardholder and the
11 merchant, not the issuer and the acquirer.

12 What the issuer and acquirer are doing is
13 they are taking the scheme and they are
14 repurposing it as part of their bank accounts
15 on the issuer side and as part of their
16 merchant services on the acquirer side in order
17 to provide a service to the ultimate consumer
18 and that is, you have said, and we will see
19 what others say, the cardholder on the
20 left-hand side and the merchant on the right?

21 DR NIELS: That is correct. So the
22 four-party schemes, you have that added
23 complication indeed that you have the issuers
24 and the acquirers sitting in between the scheme
25 and the end users on both sides, absolutely

1 correct. That is also another dynamic that
2 gives rise to the need for interchange that we
3 can come back to.

4 THE PRESIDENT: Thank you, I am very
5 grateful for that. Mr Holt -- actually is it
6 Mr Holt or doctor?

7 MR HOLT: Yes, it is Mr Holt, thank you.

8 Yes. So I think I broadly agree with
9 Dr Niels' observations that essentially you can
10 draw these diagrams in a variety of different
11 ways and with a variety of different degrees of
12 detail. But the essential components are that
13 you have a scheme, you have contracts between
14 the platform operator with on the one side
15 acquiring banks and on the other issuing banks
16 and that those are, as I think you have
17 described Mr President, essentially (inaudible)
18 demands; so in other words they are acting on
19 behalf of their customer base.

20 I think everyone who has been involved in
21 these proceedings will probably by now sort of
22 recognise the diagrams associated with the
23 (inaudible) full of payments when a cardholder,
24 who is of course a customer, and that has
25 always been implicit in all these diagrams,

1 makes a purchase at a merchant. Obviously the
2 purchase value is debited from the cardholder's
3 account, the issuer effectively, and whether it
4 is direct to the acquiring bank or via the
5 scheme, provides that payment less an
6 interchange fee to the acquiring bank and then
7 the acquiring bank provides the value of the
8 purchase less its own fee, which is called the
9 Merchant Service Charge and that is what the
10 merchant ultimately receives.

11 I think to answer your question, yes, this
12 is a two-sided market. The schemes, obviously
13 just focusing on these diagrams, they sort of
14 imply the existence of a single scheme operator
15 but as you noted there might be multiple scheme
16 operators in existence. This obviously shows
17 a four-party scheme operation and I think one
18 needs to recognise the context that other
19 payment schemes might operate in competition as
20 well, including, as Dr Niels mentioned, the
21 three-party models but indeed other payment
22 methods might also be prevalent according to
23 the type of transaction.

24 So as an example for e-commerce,
25 e-wallets, digital wallets, buy now pay later

1 and so on, are other payment methods which
2 might be particularly attractive and
3 increasingly used by -- by customers for those
4 types of transactions.

5 I noted that Dr Niels referred to the fact
6 that under all of these sort of diagrams you
7 have a mechanism to transfer value from the
8 acquiring side to the issuing side and he
9 noted, which I agree with, that in principle
10 a similar two-sided pricing structure transfer
11 can and indeed does take place in many of the
12 other payment methods, either directly applied
13 by a three-party model or in a similar way by
14 one of the other types of payment methods to
15 which I referred.

16 So I think the answer is yes, there is
17 a two-sided market here. I think the
18 innovation or the additional point that I think
19 you have tried to draw out in your diagram
20 I think is the link between the cardholder as
21 being the customer of the merchant and I think
22 this might go back to the discussion that you
23 had -- I think it was last week -- about
24 whether this is really an A-type diagram or
25 should it be an O-type shaped diagram because

1 indeed the cardholder is the customer and they
2 are engaging directly with the merchant.

3 I mean, that does raise an interesting
4 perspective which is that there is a concept of
5 neutrality of interchange fees under certain
6 conditions whereby because of that sort of
7 O-shaped sort of structure, if all parties had
8 complete what you might call pass-on or
9 surcharging, then it might be the case that
10 there would be little effect associated with
11 the interchange fee; in other words, in that
12 case you would not have the rebalancing effect
13 taking place, in that event you would neither
14 have any concern about any competitive effects,
15 nor might you have any benefits associated with
16 the interchange fee.

17 However, the assumptions under which that
18 would hold are not realistic, in my view, they
19 simply do not hold. It would require
20 individual transactions to be entirely charged
21 on the basis of the costs of each individual
22 transaction irrespective of the payment method,
23 irrespective of the issuer and so on. So that
24 is just really not what we see.

25 So I think that essentially is the factual

1 matrix that one needs to take into account when
2 thinking about whether the fact that you can
3 sort of connect at the bottom the cardholder
4 and the merchant to know whether that has any
5 significant implication for the role of
6 interchange fee.

7 THE PRESIDENT: That is helpful. I mean,
8 we are very conscious that this is one unusual
9 feature of the two-sided market, that you have
10 got a closed system, if you like, an O, rather
11 than two distinct customer groupings which are
12 the general hallmark of two-sided markets. So
13 the extent to which that makes a difference is
14 something which we are alive to, so I am
15 grateful for that.

16 Two further follow-on questions, if I may.
17 Definitions are everything and we are using two
18 terms quite ubiquitously: one is scheme and the
19 other, though you have not used it so far, is
20 ecosystem. It does seem to me that both are
21 capable of being differently understood.

22 Looking at Dr Niels' diagram, he is defining
23 I think the scheme as comprising the three
24 players -- the platform, the issuing bank and
25 the acquiring bank -- and he has drawn his

1 dotted line around those.

2 One might say -- and it may not matter,
3 but one might say that the scheme is in fact
4 just the Visa and the Mastercard component and
5 what they are doing is they are providing the
6 contractual and advisory systems to enable the
7 issuers and the acquirers and indeed the
8 cardholders and the merchants to participate in
9 the scheme. But the scheme is in fact that of
10 Visa and Mastercard which is then sold in
11 different ways to the issuers and acquirers.
12 It may not matter but that is a definitional
13 question which we need to be aware of when we
14 are using the term "scheme" because I think my
15 definition of use is a little bit narrower than
16 Dr Niels' is. I am not saying one is right or
17 wrong, but we need to be aware of that.

18 Ecosystem it seems to me is rather
19 a broader question, which is embracing the
20 entirety of the players and I just wondered if
21 you had any comments on those definitions as to
22 what we might prefer or whether you are
23 indifferent provided we are clear?

24 MR HOLT: Is that a question to Dr Niels?

25 THE PRESIDENT: A question for you but,

1 Dr Niels, do jump in.

2 MR HOLT: Okay, well, perhaps I will sort
3 of briefly respond.

4 So I think clearly a scheme cannot
5 operate -- a four-party scheme at least cannot
6 operate without issuers and acquirers. So
7 while I think it is fair to say that the scheme
8 has certain roles, responsibilities, they
9 determine rules, they develop technology and
10 provide data services and have a whole range of
11 services for which they charge scheme fees and
12 may charge processing fees, if their scheme is
13 used for the processing of the transaction,
14 clearly the scheme can only function if it
15 attracts both acquirers and issuers to operate.

16 So the scheme without those additional
17 parts of the overall structure would obviously
18 have no impact in the market.

19 THE PRESIDENT: I am sure that is true,
20 but then that is true of, let us say,
21 Facebook's social media offering in that that
22 is only economically and legally interesting
23 because you have on the one side advertisers
24 who want to buy the Meta services that Facebook
25 offers and you have enough eyeballs who are

1 interested in participating in a social media
2 site so that they provide their data into it
3 that can be then sold to the advertisers. So,
4 yes, you have got obviously interactions
5 between the scheme vis the advertisers and the
6 social media users, but at the end of the day
7 the product that both are participating on is
8 the platform, which is in that case the
9 Facebook offering and here I will be saying is
10 the scheme offered by Visa and Mastercard.

11 MR HOLT: Yes, I would agree entirely with
12 that and obviously the scheme has
13 an independent sort of status in its own right
14 but I think it would be wrong to sort of treat
15 it entirely independently in the sense that the
16 scheme's rules and the allocation of
17 contractual responsibilities across the two
18 sides are the entire basis on which it is able
19 to attract issuers and acquirers, but otherwise
20 definitionally I think you can distinguish
21 a reference to Visa or Mastercard alone as
22 opposed to the broader -- call it ecosystem,
23 where issuers and acquirers are included.

24 THE PRESIDENT: No, that is helpful and we
25 will be coming to net effects the question of

1 how far what happens on the one side affects
2 what happens on the other side; in other words
3 how the two markets interact in a moment but
4 that was I think a reference to precisely that
5 sort of connectedness which we do have to bear
6 in mind and which we will come to, but that is
7 one of the things you were referring to in
8 terms of needing to understand what actuates
9 issuers and acquirers in wanting to participate
10 and bring their part into the ecosystem. You
11 have nodded. I am grateful.

12 Another second I think follow-up point is
13 I have quite deliberately left out of account
14 the flow of funds. I have just marked the
15 contractual relations. Now, we have had
16 I think two theories of settlement or flow of
17 funds articulated. One is where the funds do
18 flow up to the apex of the A and then down from
19 the cardholder account, via the issuer, into
20 the scheme, to the acquirer and to the
21 merchant. We have also heard that in fact it
22 does not work that way, it may work by way of
23 a direct transfer, issuer to acquirer, scheme
24 not involved in terms of receiving the monies,
25 but only involved in terms of issuing the

1 authorisation codes for the issuer to transfer
2 monies to the acquirer. My question to you,
3 Mr Holt is, provided the contracts are clear,
4 does it actually matter how the funds flow,
5 provided it is clear what deductions need to be
6 made and how the monies are accounted for?

7 MR HOLT: My view is no, it does not
8 matter. The economic issues at stake are
9 similar in my view whether the flow of funds
10 goes up to the top of the A or is transmitted
11 across, subject of course to essentially the
12 equivalent of the actual net flows that are
13 being made across the party.

14 So although there is perhaps quite a lot
15 of complexity in the clearing and settlement
16 process, and of course there are issues around
17 the timeliness over which the funds are made,
18 whether you make them gross on each and every
19 individual transaction as opposed to batching
20 them up and doing net transfer, you know,
21 taking into account a multitude of transactions
22 over a period of time, those are of course
23 essential details that the scheme operator and
24 the issuing and acquiring banks have to -- have
25 to have a clear process to operate, but do not

1 change in my view the underlying economic
2 issues.

3 THE PRESIDENT: I am grateful.

4 Dr Niels, do you have anything to add to
5 that point?

6 DR NIELS: Yes, just very briefly on that
7 point I agree it does not matter for the
8 current questions that we are facing in this
9 trial and on the economics. One reason perhaps
10 why some of this confusion in this case has
11 come in as to how the actual clearing and
12 settlement works is that of course there has
13 been a regulatory push and some of this came up
14 in the evidence yesterday, a regulatory push
15 precisely to split schemes from processing and
16 that is why in practice schemes are now defined
17 separately from the actual processing
18 infrastructure providers and therefore there
19 are multiple options out there in the market.

20 But it does not matter, I agree with
21 Mr Holt, because ultimately there are solutions
22 for clearing and settlement.

23 Actually, there was an interesting
24 description also in the Merricks judgment that
25 came out last year -- last week of how clearing

1 and settlement systems worked within Mastercard
2 at that relevant time, including the time when
3 there were bilaterals and multi-laterals. So
4 there are various ways of doing it. It is
5 interesting how it all works but I agree with
6 Mr Holt, it does not really matter ultimately
7 for the questions we face here.

8 THE PRESIDENT: Well, that is --

9 MR HOLT: Maybe very briefly, I am
10 conscious of time, obviously there are some
11 economic distinctions between the case where
12 the acquiring bank might choose one processor
13 versus another. So, for instance, even when --
14 I understand that even when Visa cards are used
15 in certain countries for domestic transactions
16 the acquirer has the right to choose
17 a processor and it might choose, for example,
18 the domestic scheme to carry out the processing
19 activities. So that does in a sense have some
20 economic relevance in the sense that that might
21 change the competitive dimension on the
22 processing fees. But I do not think it changes
23 the assessment as I mentioned before relating
24 to the incentives that the scheme is operating
25 with respect to in relation to the interchange

1 fee.

2 THE PRESIDENT: Thank you very much,
3 Mr Holt. Mr Dryden -- is it Mr or doctor?

4 MR DRYDEN: Mr Dryden.

5 THE PRESIDENT: Mr Dryden, anything to add
6 or subtract from that?

7 MR DRYDEN: Yes, let me try to quickly go
8 through, I think there are four questions. One
9 is: do I agree with the diagram? The short
10 answer is yes. I think the point has been made
11 that it omits sort of external actors so it
12 does not include cash customers and it does not
13 include other competing payment means.

14 Sir, when you were introducing the
15 diagram, I think you suggest -- you may have
16 suggested that all of the red lines were in
17 a sense bilateral, I am not sure if that is
18 true or not above the -- at the apex, whether
19 the scheme fees are bilateral or a collective
20 agreement as to scheme fees, but that is not
21 really --

22 THE PRESIDENT: In that area, but to be
23 clear what I mean is it is not obviously
24 an agreement that is granular by reference to a
25 cardholder but what I do mean is that it is

1 specific each issuer is entering into
2 a contract with the scheme. Likely the
3 contract will be the same as other contracts
4 because you need to agree standardisation
5 but -- I am sure I will be corrected if I am
6 wrong -- it seems to me it would be extremely
7 strange if the issuer did not have agency over
8 entering into the contract with the scheme such
9 that it could say: well, I do not want to deal
10 on these terms, I want to deal on different
11 terms and the scheme could say yes or no
12 depending on negotiation.

13 It would be extremely strange to have
14 a connectivity between issuers, that is really
15 what I was saying.

16 MR DRYDEN: Then I agree.

17 On the question about whether in a sense
18 the perimeter of the scheme is narrower than
19 the perimeter of the ecosystem, I think that
20 makes sense. One would need to be precise in
21 a given context about as to exactly what the
22 perimeter of the scheme is. But I am not sure
23 that is critical for this overall
24 representation.

25 Your second question: is this a two-sided

1 market? My answer is yes.

2 Your third question was to say: in that
3 case, can you identify what the two markets
4 are? I think actually there is more than two
5 markets and the precedent cases have
6 established a framework that I think is
7 helpful. On the left-hand side there is
8 an issuing market and that is the market in
9 which issuers compete to supply cards to
10 cardholders and the price there is essentially
11 the whole bundle of prices and PQRS around the
12 card offer.

13 On the right-hand side there is an
14 acquiring market and that is the market in
15 which acquirers compete to supply acquiring
16 services to merchants and the price in that
17 market is the MSC and an input cost into that
18 market is the MIF and that is the market on
19 which the restriction of competition is said to
20 take place. It is slightly unusual because
21 normally in a market where there is
22 a restriction of competition, it is the output
23 price of that market that is the focus but here
24 it is the input cost into that market in the
25 form of the MIF that is the focus which then

1 affects the MSC.

2 The market definition framework has then
3 recognised a third market which is the market
4 in which the schemes compete at the apex in
5 setting their MIF or their implicit MIF and
6 I think it is best to think of a fourth market,
7 which is the market in which merchants compete.
8 So merchants are competing, part of their cost
9 is the MSC and they are competing to provide
10 goods and services to final consumers.

11 The fourth question is: does it matter how
12 the funds flow? I think it is true that
13 arithmetically any interchange fee can be
14 replicated by a combination of scheme fees,
15 that is sort of just basic arithmetic
16 equivalence, you can get it back in that way.
17 I think we have heard from some of the factual
18 witnesses that although you can have arithmetic
19 equivalence, the schemes have some preference
20 to operate with an interchange fee to give
21 effect to the transfer.

22 I think that answers the questions.
23 I would only make a remark that I think the
24 other experts went beyond, as it were, just
25 a positive statement about the lie of the land

1 to some sort of normative statements about MIFs
2 being okay, that they are needed.

3 THE PRESIDENT: Yes, do not worry. We
4 will be coming to that.

5 MR DRYDEN: Neutral, etc, I am sure indeed
6 we will be coming to that.

7 THE PRESIDENT: That is helpful to have at
8 least some statements. Just to not push back
9 but agree with what you said about there being
10 multiple markets, in a sense, there is another
11 definition or problem about what is a market.
12 This is very much a static representation of
13 how a specific transaction might work. I have
14 only labelled one scheme of the apex when of
15 course we have two. I have left altogether out
16 of account three-party schemes, Amex does not
17 feature in here at all but of course is
18 relevant. Similarly, I have only identified
19 a single issuer and a single acquirer when we
20 know that there are 30 to 50 issuers and fewer
21 but nevertheless a respectfully large number of
22 acquirers.

23 Of course there will be a market between
24 merchants and customers and we are then into
25 the realm of the thousands, if not tens of

1 thousands. When we come to cardholders and
2 relationships with issuer banks, the numbers
3 multiply. So of course you are right, there is
4 competition at every level and that is
5 something which we do bear in mind. But one
6 has to start with how the end service operates,
7 namely payment and that is I think what this is
8 getting at.

9 But the point you have made is entirely
10 well made, but not represented here. Unless
11 you have anything further, I will move over to
12 Dr Frankel.

13 DR FRANKEL: Dr Frankel. Thank you, it is
14 a pleasure to be here.

15 I would say starting at the top the apex
16 and you asked the definitional question about
17 "scheme" and Dr Niels had put a box around the
18 issuers and acquirers, I take a historical view
19 on many of these issues which informs I think
20 how to understand them and indeed scheme
21 originally was including the issuers and
22 acquirers because the issuers and acquirers
23 owned and controlled the scheme, so I find that
24 to be of relevance.

25 Now, I think describing them as bilateral

1 is a legal matter. I leave that to you to
2 decide. But certainly it is a reasonable
3 description the way you have laid it out and
4 Dr Niels' diagram, I have made many of these
5 diagrams including circles, so I think they are
6 all useful ways of thinking about it.

7 Second, you mentioned in your opening
8 question and comments your description of par
9 transaction, you said means the merchant gets
10 the full amount if everything is at par.
11 I have not heard it described that way before,
12 "par" I always think of as the transaction --
13 the amount that the issuer has to deliver to
14 the acquirer is the transaction amount and then
15 each can charge fees to their respective
16 customers, but par just refers -- it is still
17 par if it is just between the issuer and
18 acquirer and I think we all understand that.

19 Whether it is two-sided market or not,
20 two-sided market is used in various ways.
21 Often it is used in a very casual way. We all
22 recognise there is these two parties, two
23 financial institutions are now financial
24 institution and a processing company and they
25 interact with two different customers who

1 indeed interact at the point of sale. So it
2 feels two-sided and I understand that.

3 But what Mr Holt was discussing about
4 neutrality and the circle, that is an important
5 issue and I have written about this. The
6 technical definition that Professors Rochet and
7 Tirole gave for a two-sided market is not just
8 that there are two parties that interact the
9 way the diagrams show but that it actually
10 matters. Mr Holt explained and I think it is
11 really identified as an important feature: as
12 Rochet and Tirole point out, every firm, every
13 corporation, can be thought of as a two-sided
14 market, they hire employees, they contract with
15 input suppliers and they contract with output
16 suppliers, but we do not usually think of that
17 as being two-sided. Why? Because, as they put
18 it, if both sides are very competitive, there
19 is not much importance to shifting fees from
20 one side to the other.

21 In fact, in the credit and debit card
22 world, the reason that I believe it is
23 two-sided under their definition has a lot to
24 do with the restrictions on competition. So if
25 you think of it as a benchmark, a perfectly

1 competitive world is a useful benchmark to an
2 economist. What would it mean if there was
3 perfect competition? It would be just what
4 Mr Holt described. Any change to the MIF would
5 affect the merchant fee but that would also
6 affect any surcharge or discount given for
7 various payment methods by the merchant to the
8 cardholder and it would affect the fees or
9 benefits given by the issuer to the cardholder
10 and that change in MIF would just go round in
11 a circle and completely be neutralised. Under
12 the Rochet and Tirole definition that would be
13 a one-sided market, even though there is
14 parties on both sides there would not be any of
15 these complicated two-sided effects. So I look
16 at the way these markets evolved, including
17 restrictions of various kinds that are subject
18 to -- a subject of this case to have made --
19 they make sure that the market remains
20 two-sided.

21 Let me give a contrasting payment system.
22 We all think of cheques as obsolete and old and
23 not of relevance but there were -- you know,
24 a merchant would get a current account so --
25 and its customer would have a current account.

1 A customer would write a cheque give it to the
2 merchant, they would both be dealing with their
3 own banks and that looks like a two-sided
4 market. I could draw it just the same as this.
5 But we do not think of that as having important
6 two-sided effects. Why? Because it was really
7 competitive on the two sides and there was no
8 scheme creating restrictions on competition,
9 there was no MIF and it worked just fine and
10 both parties -- the costs of both sides fell
11 where -- lay where they fell and they both
12 competed independently for their customers.

13 So I view that as a one-sided example but
14 there is still services on the two sides. One
15 last comment on settlement. I am conscious
16 that it has changed in Europe and there can be
17 different processing now and settlement might
18 be possible. Historically, certainly in the
19 United States, the whole idea of net settlement
20 was that you had a clearing house function of
21 the scheme where all of the amounts owed to and
22 from each member of the scheme would be
23 aggregated and netted and their settlement
24 balances in a central location would be
25 adjusted. So there were not any opportunities

1 for individual issuers to decide how much to
2 send to an individual acquirer; it was all
3 netted at the scheme level.

4 THE PRESIDENT: Well, that brings us
5 nicely on to the interchange fee. What I would
6 like you to do is, reasonably briefly, because
7 I do not want to overshoot my hour too much, to
8 deal with two preliminary questions and then
9 I will save the really hard question for last.

10 The two preliminary questions are these:
11 looking at the scheme or the ecosystem, as we
12 have described it, is it your understanding
13 that the interchange fee is technically
14 necessary for the scheme to work? Or, subject
15 to the economic considerations that I am going
16 to come to, is it optional, or to put it
17 another way, capable of being dispensed with?

18 Now, that is not directly or not wholly
19 a question of economic expertise but it does,
20 I think, affect your expert opinion as to
21 whether, technically speaking, the interchange
22 fee is a necessary part for the scheme to work.
23 Now, assuming -- and this is my second easy
24 question -- it is not technically necessary,
25 I wonder if you could state briefly your

1 understanding of what the justifications for
2 the interchange fee are.

3 I have identified two. The first is that
4 it operates to discharge issuer costs or
5 finance issuer benefits so that the -- which
6 the acquirer ought to pay for; in other words,
7 you have got for instance costs of fraud and
8 the evidence has been so far that the
9 interchange fee is to discharge some of those
10 costs, both active to minimise fraud and
11 preventative to eliminate it, and active to
12 recompense those who have lost. Equally it
13 finances things like cardholder benefits and
14 the sense is that these are things that the
15 acquirers ought to pay for but will not do so
16 unless compelled. So that is one rationale.

17 The second is that the interchange fee is
18 now so embedded in the market that if it were
19 removed by a single scheme operator, there
20 would be a flood of persons away from that
21 particular scheme towards other schemes and so
22 market share would be lost. That seems to me
23 to be a variation of Andrew Popplewell's death
24 spiral, but we can label it how we wish.

25 Those are the two justifications that have

1 been articulated. If there are others, then of
2 course I would like to hear them, that is why
3 I am asking the question. But why do we not
4 start, Dr Frankel, with you and we will go
5 round in a different order.

6 DR FRANKEL: Sure, thank you.

7 First of all, for your first question, is
8 the interchange fee technically necessary or
9 can it be dispensed with? I believe it is not
10 necessary. It can be dispensed with. I want
11 to caveat this related to your follow-up
12 question. It is important to I think keep in
13 mind the differences between the counterfactual
14 and going forward I always think of relief or
15 injunction changing the market. Now, what is
16 the sensible way to do that is a very different
17 question I think than what is the
18 counterfactual or what would we be doing, what
19 would the world look like now, what would this
20 ecosystem look like today if there had not been
21 a MIF and I think it would have worked just
22 fine without a MIF. I think there might be
23 care needed to design, either through a court
24 process or regulation or legislation, how to
25 move away from the current system towards a par

1 system, that may take some care to avoid
2 sudden disruptions.

3 Moving on to your second question: what
4 are the justifications? I think the best
5 justification falls short, but it is not that
6 it covers specific cost because if the costs
7 fall where they lie, but everybody is in
8 a competitive market and free to incentivise
9 their own customers or suppliers to take into
10 account these what look like externalities,
11 effects on others, the market actually would
12 work just fine. If merchants can surcharge or
13 discount to reflect their different costs then
14 their customers will take that into account not
15 just what -- what their own benefits are but
16 what the merchant's benefits are and if the
17 issuer does not get a MIF but it has fraud
18 costs, maybe its fees will go up to the
19 cardholder and maybe the cardholder will use
20 the cards less often but maybe that is
21 efficient.

22 So I believe that the best argument in
23 defence of a MIF is that if cards really are
24 big cost saving devices, this is embedded in
25 the merchant indifference test that may be

1 subject to Trial 3. But the idea is if cards
2 actually save merchants costs and for some
3 reason merchants cannot simply discount card
4 transactions to their own customers, the banks
5 can helpfully come in saying: we will do it for
6 you, we will take this MIF give it to your
7 customer to reflect the savings that you get
8 when they use a card.

9 Well, obviously from my comment, I believe
10 that the merchant can do that themselves and do
11 not need a MIF to do that and different
12 merchants are going to have different costs and
13 benefits and that goes to Mr Dryden's comment
14 about this extra market that we should think
15 about which is the merchant competition market.

16 I would let merchants compete over the
17 terms of trade and not assume that these
18 schemes can impose a one size fits all solution
19 on them.

20 THE PRESIDENT: Thank you very much.

21 Dr Niels, we will go round.

22 DR NIELS: Okay. Thanks. So I would say
23 the MIF is or interchange is perhaps not
24 technically necessary but I see it as
25 economically and commercially necessary or

1 certainly very rational, a very rational thing
2 to do. The justification for that I go back to
3 the two-sidedness. Two-sided -- these are
4 two-sided platforms, I agree with
5 Professor Frankel that at times the term is
6 used very loosely, but to me, and I think in
7 economic theory, two-sidedness, the definition
8 of that is a demand side -- is purely driven by
9 a demand side phenomenon, it is the net -- the
10 positive network externalities between the two
11 sides. If there are two sides and demand by
12 one side depends on the demand by the other
13 side positively, then you get a two-sided
14 platform.

15 So in this case cardholders and merchants
16 we know we have seen this before, the demand
17 for cardholders is positively reinforced by the
18 demand for merchants, by merchants and the
19 demand by merchants, merchant acceptance is
20 driven by the amount of cardholders.

21 So that is a justification, or that is the
22 first step in my justification. So all payment
23 methods, as I said before, payment systems
24 generally including Amex, Klarna, PayPal and
25 Visa and Mastercard are two-sided platforms and

1 they -- and to grow this scheme to be
2 successful competitively, they have a skewed
3 pricing structure. They want to achieve
4 a skewed pricing structure precisely to get
5 both sides on board and one side has a greater
6 willingness to pay relatively to others. In
7 payment markets we see it is typically the
8 consumers who pay less and the merchants who
9 pay more.

10 So Amex, Klarna and PayPal have that
11 structure. Visa and Mastercard also want to
12 achieve that structure but because of their
13 organisational structure of their scheme or
14 ecosystem, they need an interchange fee to
15 achieve that because the costs that are
16 incurred when -- when performing the functions
17 of the scheme, they fall relatively more on the
18 issuer side, so you get an imbalance. So the
19 justification for the interchange fee is in my
20 mind, and I think it has always been
21 traditionally, that it is a balancing mechanism
22 to get both -- to get the two -- to keep the
23 two sides, so the issuing banks and the
24 acquiring banks, in balance and to achieve that
25 skewed pricing structure. So that is actually

1 the -- yes, that is linked to the first
2 justification that, Mr President, you gave.

3 But you also have the competitive --

4 THE PRESIDENT: Could I just ask a couple
5 of questions about that before you go on to the
6 second one?

7 DR NIELS: Sure.

8 THE PRESIDENT: So you have mentioned the
9 interchange fee as a balancing transaction. It
10 is a compulsory one, is it not? It is one that
11 is imposed on acquirers to the benefit of
12 issuers and it is one where as matters stand
13 neither the issuer nor the acquirer as groups
14 have agency in that the issuers might very well
15 want more but they have got to persuade the
16 scheme to get more and the issuers -- the
17 acquirers might very well want to pay less but
18 they have then got to persuade the scheme that
19 the interchange fee should be varied, but it is
20 the interchange that is set by the scheme under
21 the present system and it is to that extent
22 a compulsory incident of the bilateral
23 contracts that we have been discussing that
24 form the two legs of the A.

25 DR NIELS: I think -- I think that is

1 correct. That is a correct description. It
2 is -- if it is indeed the scheme that sets the
3 fee, then the acquirers and issuers at that
4 point it becomes compulsory, I think that is a
5 factually correct description.

6 The degree of agency that the issuers and
7 acquirers have I think that has varied over
8 time, I cannot really comment on that.

9 THE PRESIDENT: No, that is helpful.

10 Next follow-up. One of the reasons
11 two-sided markets are interesting is because
12 one gets pricing oddities. So take the free
13 newspaper. You get a situation where on one
14 side you get something very odd that is going
15 on; you get the reader of the newspaper getting
16 something that they value for nothing and the
17 reason that that happens and you get that
18 pricing oddity, price well below cost in that
19 market, is because the readers incidentally
20 cast their eye over the advertisements that are
21 plastered all over the pages of the newspaper
22 and advertisers are prepared to pay the
23 publisher of the newspaper enough to cover
24 their costs and make a profit and it seems
25 a good idea to widen the readership making the

1 advertising market more profitable by giving
2 the newspaper for nothing to the reader.

3 So one gets these pricing oddities and
4 that in most markets is a feature of market
5 forces. My question -- I have really jumped to
6 the third hard question that I foreshadowed but
7 I will ask it now -- is: does the interchange
8 fee constitute a distortion of market forces
9 that would otherwise arise by negotiations
10 between issuer and scheme and scheme and
11 acquirer over the apex of the A, which is
12 short-circuited by and distorted by the
13 interchange fee cutting across the two markets
14 as we have understood them?

15 DR NIELS: Yes, so I think it is -- so you
16 could call it a pricing oddity, the skewed
17 pricing structures as I refer them, but they
18 are actually very common in two-sided
19 platforms, whether actually competitive or
20 monopoly platforms -- the free newspaper is an
21 example -- and once you get in that situation
22 where sort of an equilibrium, where market
23 forces lead you to that it also means you know
24 one side gets it for free and we have that in
25 payment systems in the UK, we have that in

1 banking, a lot has been said already about free
2 banking once consumers get used to that, it is
3 very hard for market forces to get -- to
4 overcome that and therefore that is the
5 equilibrium you are in and that is what we see
6 also in payment systems in the UK.

7 So your question is it a distortion of
8 market forces, I would say no, it is quite the
9 opposite, it is a mechanism for these platforms
10 in competition with other platforms to be able
11 to achieve that optimal pricing structure for
12 them so that Mastercard and Visa, that way they
13 can compete with other payment methods where
14 which are also in essence for free to
15 consumers.

16 So that brings me actually to the final
17 quick point I wanted to make about
18 justifications, which is indeed partly also the
19 competitive pressure.

20 So I would not call it a death spiral
21 because that was in the context of Visa and
22 Mastercard directly with each other. But for
23 sure one of the key justifications for
24 interchange is the competitive pressures that
25 these schemes face. So the MIF itself is

1 a competitive tool for the schemes to attract
2 issuers into the scheme, the ecosystem in the
3 first place, and for issuers, the MIF revenue
4 is a key competitive mechanism to make their
5 product attractive to cardholders.

6 THE PRESIDENT: Thank you. One other
7 follow-up and we will then move on to Mr Holt.
8 Given that you are in agreement that the
9 interchange fee is not technically necessary
10 but is economically justifiable, why is not the
11 appropriate counterfactual simply to put a line
12 through the interchange fee and ask what will
13 happen; in other words, why does one need
14 a more complex counterfactual than that?

15 DR NIELS: Well, I would say precisely the
16 counterfactual analysis should be to draw
17 a line through multi-lateral interchange fees
18 because those are the ones being challenged
19 here, they are the factual ones and see what
20 would happen and I would say, well, then you
21 get to bilateral negotiations on the
22 interchange fee because you cannot -- I do not
23 think you can cross out interchange altogether
24 even if you leave it to market forces because
25 the scheme would not be in balance. Issuers

1 and acquirers would need to negotiate. But
2 I am conscious the question on bilaterals and
3 their feasibility is a separate question but
4 I am happy also to go into that later.

5 THE PRESIDENT: No, I understand what you
6 are saying. What you are saying is that if one
7 puts a line through multi-lateral interchange
8 fees you ask yourself what would happen in the
9 market without any further central imposition
10 of a replacement rule, you ask yourself what
11 would happen in terms of the evolution of the
12 market without this -- if I can call it --
13 offending provision and you just ask yourself
14 what would happen.

15 DR NIELS: Yes, that is how I would
16 approach it.

17 THE PRESIDENT: No, that is very helpful.
18 Mr Holt?

19 MR HOLT: Okay. Yes, thank you, sir.

20 So on the first question I do not think it
21 is actually particularly contentious. I have
22 not suggested and I would not suggest that it
23 is technically necessary to impose an
24 interchange fee but I would agree with Dr Niels
25 that it is due to the competitive and

1 commercial realities of operating in
2 a two-sided market that it may be essential and
3 in some contexts -- it may be in other contexts
4 it may not be essential.

5 Moving on to the question of what is the
6 rationale for it, or are there any
7 justifications for it -- I think there are
8 several -- before saying what those are,
9 I think it is worth just emphasising the point
10 that Dr Frankel made around what is the
11 definition of a two-sided market, Dr Niels then
12 expanded on that.

13 I think the critical point is not just
14 that there are the two sides and that there are
15 network externalities between them but also
16 that price structure matters, in other words
17 the -- the success of the product or the scheme
18 will be dependent upon a different price
19 structure i.e. you need to optimise on the
20 price structure, not just the total aggregate
21 price level across the two sides and in
22 general, and that is consistent with the
23 literature Rochet and Tirole, that is
24 an important component of a two-sided market.

25 So then moving on to the justification

1 type points. Some of these have been
2 identified by Dr Niels but essentially the cost
3 revenue balance, so in other words the fact
4 that under the scheme's rules of operation and
5 the contractual obligations it may be that
6 issuers bear certain responsibilities, it could
7 be fraud, it could be other aspects, which lead
8 to them incurring costs, so the costs side of
9 that, but again it is also the revenue versus
10 cost balance which together needs to be taken
11 into account. That inevitably leads one to
12 need to look into relative price sensitivity
13 across the two sides.

14 I appreciate there is a very specific
15 question about that so I am happy to comment on
16 that now or we can return to that later, but
17 I think --

18 THE PRESIDENT: No comment on it now --

19 MR HOLT: So I think it is quite clear
20 that price sensitivity is greater on the
21 cardholder's side than it is on the acquiring
22 side or the merchant side. That is obviously
23 consistent with reality; in other words that is
24 the pricing model that payment schemes tend to
25 adopt, not just card payment schemes but other

1 pricing methods, they tend to adopt a merchant
2 pays model as opposed to a consumer or user
3 pays model. I think the main obvious economic
4 rationale for observing that in the market is
5 that sensitivity of pricing on the cardholder's
6 side is greater, that is also backed up by
7 a wide range of academic articles I think some
8 of which were disclosed by the Mastercard side
9 in the last couple of days. For example,
10 studies by the ECB would have looked into
11 cardholder reactions to fees, obviously
12 Dr Niels provided some evidence from a survey
13 that Oxera carried out. But irrespective of
14 the precise empirical evidence I think the most
15 obvious answer to that is that that is what is
16 happening in the market because it obviously
17 makes sense to adopt a price structure that
18 recognises the differential in price
19 sensitivity.

20 So that is one of the rationales, I think,
21 for the MIF, there are a number of others.

22 I think before we move on to the
23 competitive factors, there is also the sort of
24 intrinsic incentives of the different sort of
25 stakeholders within the scheme that needs to be

1 taken into account before you even get to these
2 kind of factors. Just take, for example, the
3 fact of the risk of fraud which obviously is
4 a significant cost in relation to schemes and
5 which under the current framework is largely
6 allocated in terms of responsibility to
7 issuers. Now, when a cardholder is presenting
8 cards or even in a card not present framework
9 for e-commerce, if that transaction goes ahead
10 there is obviously a risk that it might be
11 fraudulent and issuers therefore have
12 a trade-off to consider: do they accept or
13 authorise the transaction or do they decline
14 it?

15 Increased amount of fraud might lead to
16 a general incentive to increase the decline
17 rate and obviously you also have incentives
18 across all of the parties to try and mitigate
19 and manage fraud levels.

20 But given that it is a problem that does
21 exist, issuers have a trade-off to take into
22 account as to the authorisation rate.

23 Now, the cost to them of fraud will tend
24 to be increasing with respect to the
25 transaction value overall. So the more

1 transactions they authorise, the more exposed
2 they are to fraud. So that transaction-related
3 cost is something that can be offset or
4 contributed to by a transaction-related
5 interchange fee and that is something that
6 I think the witnesses Mr Knupp and Mr Steel
7 have identified.

8 THE PRESIDENT: Pausing there. Actually
9 (inaudible) the question of whether the
10 interchange fees in fact are distorting the
11 competition rather than consistent with it.

12 Let us take a hypothetical example to do
13 with fraud where one has got a very proactive
14 acquirer, who, in conjunction with the
15 merchants that they contract with, has at some
16 expense put in place a series of mechanisms, it
17 does not matter what they are, that eliminate
18 or massively reduce fraudulent transactions,
19 there is just some way which their systems
20 operation just reduce fraud.

21 Now, as matters stand, the acquirer cannot
22 go to the scheme and say: look, I have done
23 sterling work here, I am a trendsetter in fraud
24 minimisation, I appreciate it is normally done
25 on the issuer side but actually I am saving all

1 of the issuers a lot of money because I have
2 been very proactive. Why should I pay for
3 other people's less competent reactions to
4 fraud? Why can I not negotiate a rate directly
5 with the scheme and simply avoid this rather
6 broadbrush payment per transaction over to
7 issuers who are not doing what I am doing?

8 MR HOLT: So I think in fact, a mechanism
9 for differentiating between the approaches that
10 acquirers might adopt in relation to different
11 transactions does exist; in other words there
12 are different interchange fee rates that might
13 apply depending on the relative security of
14 the -- of the card reader device or the use of
15 particularly enhanced security that the
16 acquirer might well be operating.

17 THE PRESIDENT: They are acquirer
18 specific, have I got that wrong?

19 MR HOLT: No, those can be -- well, they
20 are transaction type specific. So in other
21 words there might be a higher interchange fee
22 for an older or less fraud resistant type of
23 transaction, sort of a less modern card reader,
24 for example, or one that is not using
25 three-factor verification, things of that

1 nature. So where the acquirer is specifically
2 adopting technology of that type obviously the
3 information as to that type of transaction is
4 transmitted and therefore effectively a lower
5 interchange fee can apply.

6 So variation in interchange fees can be
7 used to incentivise different parties, to adopt
8 strategies or behaviours that are consistent
9 with the overall success of the scheme, so that
10 is one of the potential things that you can do
11 in terms of variation across different types of
12 transaction or different types of security.

13 THE PRESIDENT: Take interregional MIFs,
14 which are far higher than intra-regional MIFs
15 and one of the reasons is fraud. In that
16 situation, if my hypothetical acquirer has
17 found a way of eliminating, to put it very
18 highly, fraud in these intra-regional
19 transactions, acquirers will still pay a higher
20 rate?

21 MR HOLT: Yes, my understanding is the
22 main mechanism that acquirers would have that
23 would have an impact on fraud rates would be
24 the selection of the technology or the type of
25 transactions processing that they carry out.

1 So there are quite complicated schemes of MIFs
2 that might apply in different sort of
3 conditions. So in other words an acquirer
4 could achieve some sort of a discount by
5 adopting a particular type of transaction
6 technology which would have a lower impact on
7 fraud.

8 I think -- the recognition I think as to
9 how fraud occurs is that it is not solely or
10 even predominantly something that acquirers can
11 directly control. They have that element that
12 I just described in terms of the technology
13 used for the processing of the transaction but
14 other than that, there are a range of other
15 factors over which they do not have control and
16 which obviously does need to be allocated to
17 one party or another in the system.

18 Under the current conditions, that risk is
19 broadly allocated to the issuer. So obviously
20 that means that issuers have incentives to try
21 and manage the level of fraud but then therein
22 lies a trade-off: the more you do to limit use
23 of the system or to impose frictions to try and
24 lessen the risk of fraud, then there are
25 obviously concerns as to the cardholder

1 convenience factor and whether the cardholder
2 is actually going to want to use cards that are
3 declined on an increasingly frequent basis.

4 THE PRESIDENT: Mr Holt, if I can just
5 feed back what I am getting from you because
6 I would like you to correct me if I am reading
7 back what I think you have said wrongly.

8 I think what you are saying is that there
9 is a far greater acquirer subjectivity to the
10 interchange fee that is paid in that the
11 acquirer can cause that fee to vary depending
12 upon, for instance, investment decisions in
13 terms of equipment.

14 MR HOLT: Well, that is true in relation
15 to investment in equipment that might lead to
16 different levels of security and for which
17 a different interchange fee might apply. Yes.

18 THE PRESIDENT: I see, yes, yes Dr Niels.

19 DR NIELS: Just to add a very quick point.
20 I think we experts, we are not the technical
21 experts on fraud etc, but my understanding is
22 one very important reason why more of these
23 costs fall on the issuing side and more even of
24 the possibility is precisely because the scheme
25 offers this guaranteed immediate payment, the

1 payment guarantee aspect of the scheme.

2 So the merchant in your diagram, we
3 discussed it earlier, gets the payment
4 immediately. Now that means that thereafter
5 who then bears the burden of detecting whether
6 was this a fraudulent card or etc, that comes
7 after the event. In an alternative system you
8 could say: well, okay the merchant does not get
9 their money immediately, it takes 45 days and
10 in the meantime we investigate whether this is
11 a fraudulent transaction or not.

12 THE PRESIDENT: Sure, but what I was
13 postulating was ex ante anti-fraud device
14 pioneered by a single acquirer and what I was
15 exploring was the extent to which that
16 efficiency and that effort would not be
17 recognised in the overall pricing structure
18 because the interchange fee is broadbrush and
19 essentially transaction based not
20 differentiating between one acquirer and
21 another and really what I was articulating was
22 a question of whether having this broadbrush
23 payment cutting between the two lines instead
24 of having the negotiations going across the
25 apex on each side is in fact a distortion

1 rather than an encouragement for more efficient
2 outcomes that would pertain if you did not have
3 the interchange fee as it is.

4 DR NIELS: I understand what you are
5 saying and again I would not call it
6 a distortion and I think also what I understand
7 from the factual witnesses is that if ex ante
8 in your hypothetical on the acquiring side they
9 did discover some really effective mechanism to
10 detect fraud then over time a scheme would look
11 for a new equilibrium in the balancing because
12 it would realise through cost studies etc that
13 actually a lot of the fraud costs are now
14 efficiently done on the acquiring side and that
15 would over time be very much reflected in
16 interchange. As Mr Holt said, it is my
17 understanding as well of how the schemes work,
18 they do have very much the incentive properties
19 of the interchange fee in mind when
20 incentivising issuers to undertake certain
21 anti-fraud measures etc but that can be flexed
22 over time if suddenly on the acquiring side
23 there were an effective mechanism.

24 MR HOLT: Yes. I think I would agree that
25 one of the questions that you asked, sir, was:

1 is there variation in interchange fees and you
2 also asked: is there a variation both by
3 particular characteristics of transactions and
4 security types, on which I have commented: but
5 might there be variation over time? The answer
6 to that is very much yes, there can be
7 variation over time if the revenue cost
8 balancing principles as well as the competitive
9 dynamics evolve over time.

10 So this hypothetical scenario whereby in
11 a counterfactual where some new invention of
12 technology meant that acquirers could invest
13 and really sort of dramatically affect fraud,
14 that would be exactly the sort of revenue cost
15 balance factor that a scheme would optimise
16 into the scheme to try and take advantage of
17 that reduction in fraud, which obviously is
18 a cost to everyone in the system.

19 I am wary -- this is sort of a fairly
20 lengthy answer in terms of what are the
21 rationales for the interchange fee I have
22 given, essentially what are some of the
23 intrinsic ones, i.e. just thinking about the
24 participants on a scheme that -- without taking
25 into account competition, Dr Niels referred to

1 some of those. I think there are three that
2 are crucial to take into account, all of which
3 are relevant from the scheme's perspective of
4 optimising. One is the four-party competition,
5 so that is that obviously the interchange fee
6 is a mechanism of competition in terms of
7 attracting issuers to the scheme, it is one
8 amongst several factors that issuers will take
9 into account, I would expect, both acceptance
10 network, value added services and things of
11 that nature will be important but the
12 interchange fee is obviously important because
13 that, there is no particular incentive for an
14 issuer to adopt a scheme that is offering less
15 revenue as opposed to more revenue, it is just
16 a basic commercial proposition. But one then
17 expands beyond the four-party proposition to
18 thinking about competition across other card
19 networks. Again we have already referred to
20 the three-party model which adopts a broadly
21 similar two pricing market structure with
22 a broadly merchant pays model with transfers.
23 So in my view it would cause a distortion to --
24 to essentially intervene to prevent that very
25 same type of two-sided pricing structure to

1 emerge in a four-party model compared with that
2 happening in the market with a three-party
3 model.

4 What you then have is the particular
5 selection of the business operation model, i.e.
6 four-party versus three-party, wholly
7 determining success in the market. Perhaps
8 wholly is, you know, a normative point but
9 having a significant impact at least on how
10 competition is working in that market. But
11 then as I mentioned before, there are other
12 payment methods which also adopt
13 a merchant-based model and which are able to
14 offer consumer benefits. Klarna, for instance,
15 offers a convenience of spreading purchases out
16 over time but also on a zero interest basis
17 which is obviously a benefit to the consumer
18 and of course that is done because the merchant
19 pays for it and the merchant does so willingly
20 because that is something that in competition
21 with other merchants can lead to increased
22 sales. So I think those competition factors
23 are important.

24 You asked a number of other questions
25 around: is the interchange fee a distortion by

1 reference to a number of possible
2 counterfactuals? I could spend unfortunately
3 quite a lot of time talking about the
4 comparison of the interchange fee to any of the
5 other counterfactuals that are being discussed
6 here. Very, very briefly, if you have
7 a default interchange fee, you can also of
8 course have bilateral negotiations, but in my
9 view you are very unlikely to get any deviation
10 from the default because the issuers would have
11 no incentive to offer more and the -- sorry,
12 the acquirers would have no incentive to offer
13 more than the default and issuers would have no
14 incentive to offer less. The reason for that
15 is free-riding, I will not perhaps go into that
16 at the moment.

17 If you do not have a default and you
18 remove the default interchange fee and there is
19 no other default, then I think we are in the
20 world which is the Sainsbury's capped
21 bilaterals counterfactual proposition, which
22 I think all the experts in that case agreed
23 that that would be likely untenable or
24 problematic from the scheme perspective because
25 of the hold-up problem.

1 That of course then leads us to
2 a situation where if you do not have a default
3 multi-lateral interchange fee but you are in
4 the IFR context so there are nonetheless
5 regulatory caps that do apply, then that
6 resolves the hold-up problem, so I think
7 bilateral counterfactuals could operate and
8 effectively would lead to the same outcome as
9 you would have with defining a positive MIF at
10 regulatory caps.

11 Then finally I think it is a different
12 sort of model, but one which broadly would lead
13 to a similar outcome, which I think is what
14 might be described as your scheme fee
15 negotiation world where rather than a rule
16 defining what the interchange fee is, that
17 would be commonly applied to all participants,
18 issuers and acquirers, the scheme would then
19 negotiate individually with acquirers and also
20 with issuers just to identify what it is that
21 they (a) can offer from the acquiring side, or
22 (b) need from the issuing side.

23 Again one could spend quite a bit of time
24 on that and I am conscious that I am taking up
25 quite a lot of time but my overall view on that

1 is you would broadly lead to the same outcome
2 as you have with the MIF it would lead a very
3 similar level of overall cost revenue
4 rebalancing.

5 On the acquirer side, all the incentives
6 and competitive dynamics would effectively be
7 exactly the same because each acquirer would
8 still be acting on behalf of the merchants that
9 it wants to supply acquiring services to and
10 they want to accept payment cards in order to
11 compete with their rivals. So there would be
12 no real variation and I think that applies even
13 when comparing large versus small acquirers; in
14 other words, whether you are large or small as
15 an acquirer you still need to offer the sorts
16 of payment services that your merchants are
17 going to want.

18 It might be a bit different on the issuing
19 side where size potentially could have more of
20 an impact on the bargaining position and then
21 there would be a number of consequences which
22 I am aware that I think Mr Knupp had identified
23 when talking about this counterfactual last
24 week, which is that you might remove the
25 neutrality aspect of interchange fees which are

1 commonly applied across issuers, and
2 potentially lead to, you know, large issuers
3 have stronger market positions because they are
4 able to negotiate higher interchange fees.

5 I will perhaps pause there.

6 THE PRESIDENT: Mr Dryden?

7 MR DRYDEN: Thank you. The first question
8 was whether the -- if it is technically
9 necessary for the operation of the scheme. It
10 is my understanding that it is not necessary.

11 You then asked about justifications for
12 the interchange fee and I think to understand
13 this, it is helpful to take a step back and
14 understand what drives the setting of the
15 interchange fee, so we understand its factual
16 level before we consider how that can be
17 justified.

18 My understanding of how the market works
19 is that Visa and Mastercard are two schemes
20 that seek to have essentially universality --
21 near universality of acceptance, as has been
22 referred to. They therefore will push the
23 interchange fees up as high as they can on
24 the -- sorry, let me take a step back.

25 Their objective is universality. There

1 are then some important conditions of how
2 competition works on the merchant side of the
3 market and that is -- there are two key
4 factors. One is that the merchants do not
5 surcharge so they cannot send a signal to the
6 customers of the merchant about how expensive
7 the payment means is to the merchant, so no
8 surcharging. The other is that it is very
9 costly for the merchant to turn down a Visa or
10 a Mastercard because they run the risk of
11 losing the entire transaction to another
12 merchant who does accept it, that is the
13 business dealing effect.

14 These two things in combination create the
15 merchant predicament and that is they are not
16 able to send a signal to the customer about how
17 expensive the payment means is and they are not
18 able to afford to turn it down because of the
19 risk of losing the transaction. This is
20 a market that is not functioning well because
21 it is a market that should have a price and
22 there is no price, no surcharge.

23 This was the insight the business dealing
24 was the insight of Rochet and Tirole and that
25 was the evolution from Baxter.

1 The effect of this set of circumstances is
2 that the schemes who are in competition with
3 each other are going to push the MIFs as high
4 as they can, consistent with the merchant still
5 accepting them so they still have uniform
6 acceptance and they do not want to stop
7 anywhere short of that because the MIFs help
8 them compete with each other on the issuing
9 side maximising the size of the scheme.

10 So this is the dynamic of competition, it
11 is a strange dynamic of competition because the
12 more intense scheme competition is, there is an
13 upward pressure on the price they were worried
14 about, not a downward pressure. There is, by
15 the way, a completely different world which is
16 a world of surcharging and then we would see
17 the schemes competing with each other to push
18 MIFs down because they want to have small
19 surcharges which and then on the issuing side
20 cardholders would take out the cards that
21 attract small surcharges when they use them in
22 the shops and that creates downward pricing
23 pressure on MIFs. That is the exact opposite
24 of what we have, so we have the upward pricing
25 pressure on the MIFs.

1 That is the factual situation. What as
2 economists -- and what it implies is that there
3 is a clear malfunctioning of competition on the
4 acquiring side. There is a distortion of
5 competition.

6 What economists have then done is think
7 about the -- how do you justify an IF or a MIF
8 in those circumstances and the answer is that
9 the IF should essentially cure an externality
10 so it should be providing the right level of
11 subsidy to the issuing side to encourage the
12 right amount of card usage. So if cash is more
13 expensive than cards, and if merchants are also
14 not surcharging for the use of cash, the
15 justification for the IF is you subsidise the
16 issuing side to the right amount to promote
17 card usage to the benefits of merchants in
18 a way that the merchants cannot themselves do
19 because they cannot discriminate between the
20 payment means. So as with any kind of subsidy
21 in economics the justification is that it is
22 curing a market failure and it has to be to the
23 right extent.

24 That is the competition problem and that
25 is the economic way of thinking about the

1 justification of the interchange fee.

2 Then coming very quickly to the
3 justifications, sir, that you suggested, the
4 first one is that the IF should be somehow
5 commensurate with discharging issuer costs or
6 some proportion of them. In my submission that
7 is not an economic way of thinking about the
8 problem because it is not dealing with this
9 externality. It is in fact a problem that it
10 is in fact a way of thinking that is
11 fundamentally undermined by a kind of by
12 endogeneity problem, which is the amount of the
13 issuer costs is itself a function of how high
14 the MIF is. So in other words, the MIF is
15 flowing across to the issuing side and then the
16 issuer's costs reflect the fact that they are
17 competing away to a large extent the MIF in the
18 services that they provide.

19 So one way of looking at that is if
20 I double the MIF from today's levels, issuers
21 would then have more costs because they would
22 be competing amongst each other with that extra
23 MIF subsidy and they would be providing more
24 interest free credit, more reward points and
25 etc, more frills. There might even be more

1 issuers entering the market seeking to obtain
2 some of this MIF for themselves.

3 So if we double the MIFs then we come
4 along in a few years, the doubled MIF will look
5 like it is necessary for the discharging of the
6 issuer costs but the issuer costs are always
7 going to be linked to the level of the MIF.
8 The level of the MIF, going back to what I said
9 earlier, depends on the merchant predicament of
10 not being able to surcharge for cards and
11 having to accept cards otherwise they lose
12 business.

13 Then that flows to the other side and it
14 explains why the issuer costs are what they are
15 and there is not an economic --

16 MR TIDSWELL: Sorry, I did not mean to
17 interrupt you.

18 MR DRYDEN: So from an economist point of
19 view we do not look at these issuer costs as if
20 they are sacrosanct and think they have to be
21 funded. In fact, they may be excessive issuer
22 costs and that is part of the inefficiency,
23 because they are being funded out of the
24 exploitation of the merchant predicament on the
25 other side of the market.

1 So anchoring the analysis in thinking
2 about one must find a way of discharging the
3 issuer costs I do not think is the right way of
4 thinking about things.

5 MR TIDSWELL: Could I interrupt you.

6 When you talk about the externalities that
7 might justify a subsidy, what do you mean by
8 that, are you talking about a particular
9 category of costs that might justify a subsidy
10 or are you talking about something else?

11 MR DRYDEN: The most classic idea which is
12 a variant of the merchant indifference test,
13 I think it is wrong to equalise it is the
14 externality of whereby the customer and the
15 shop uses cash rather than card in a world
16 which has to be proven that cash is more
17 expensive than card and yet the merchant is not
18 signalling via surcharge to the customer that
19 cash is more expensive than card. So then
20 the -- the customer in the shop is imposing --
21 if they choose cash is imposing a negative
22 externality on the merchant, they are imposing
23 a cost on the merchant without taking account
24 of the fact that it imposes a cost on the
25 merchant.

1 Then the idea is that you somehow
2 calibrate the level of the MIF to correct that
3 externality, so you -- in the simplest version
4 which generally would not prevail, but in the
5 simplest version you equalise the level of the
6 MIF to the extra cost to the merchant of
7 handling cash and that will be dissipated in
8 all sorts of ways on the issuing side in terms
9 of lower prices or more reward points. In some
10 sense it does not really matter, it will
11 encourage card users to precisely the right
12 extent so that more people use cards in the
13 shops and you get an efficient outcome.

14 MR TIDSWELL: Yes. So you are saying that
15 it is actually the inefficiencies which the
16 merchant is faced with and the way in which the
17 card creates an efficiency that when used
18 justifies the --

19 MR DRYDEN: Yes.

20 MR TIDSWELL: Yes, I see.

21 THE PRESIDENT: Does this not also
22 potentially operate in another way, if one
23 cannot differentiate between the price of
24 (inaudible) in response to different forms of
25 payment, then what the merchant will do is they

1 will raise their prices generally so that in
2 effect cash payers will be subsidising the
3 payers by cards who are treated the same in
4 terms of price but who are actually getting
5 a slightly better deal because of the costs of
6 the cash in a card scheme which are not
7 reflecting the price.

8 MR DRYDEN: Yes, that depends obviously
9 on -- which is another issue, but that depends
10 on whether there is pass-through, whether the
11 merchant just absorbs the higher MSCs or
12 whether it passes them through into final
13 prices if there is pass-through into final
14 prices, cash buyers will be worse off with no
15 compensation in their other pocket, as it were.
16 It is also true the card buyers may be worse
17 off because actually the card buyer would
18 rather have lower prices in the shops in that
19 scenario and fewer reward points on the issuer
20 side.

21 So in a sense the merchant predicament is
22 exploited with high MIFs that overexpand the
23 issuing side of the market from a socially
24 optimal point of view.

25 THE PRESIDENT: I think the answer you

1 have just given answers the question which we
2 will finish on, which is the distortion of the
3 interchange fee. I think you would say it does
4 distort because all of these costs and market
5 questions on one side, in other words what does
6 the acquirer charge the merchant, what does the
7 merchant charge the customer and what does the
8 acquirer say to the scheme, all of these things
9 will be different if one got rid of the
10 interchange fee and said: well, it may be that
11 you pay exactly the same, but you should
12 negotiate that amount on an individual
13 bilateral basis with the scheme rather than
14 have it imposed upon you as an adjustment
15 across the two markets.

16 MR DRYDEN: Yes, I am not going -- I mean,
17 there are two elements I think to what you have
18 just said. One is the level of the interchange
19 fee and the other is the means by which it is
20 determined. At this stage, I am only
21 suggesting that the level of the interchange
22 fee in the factual is liable to be too
23 inefficiently high and one has to go off in my
24 mind to 101(3) and figure out what is the
25 efficient level.

1 I am not making a suggestion there about
2 an alternative mechanism such as bilaterals by
3 which that can be achieved.

4 THE PRESIDENT: No, forgive me, I was
5 suggesting not so much an alternative mechanism
6 as the use of the existing mechanism in that
7 one says: instead of having an interchange fee
8 imposed, you simply negotiate bilaterally, but
9 bilaterally acquirer with scheme and scheme
10 with issuer.

11 MR DRYDEN: Yes.

12 THE PRESIDENT: Rather than bilaterally
13 between acquirer and issuer. That was the
14 underlying premise of my -- the distortion
15 point I was putting to you.

16 MR DRYDEN: Yes, I am not sure I quite see
17 the point. But I mean, it is not clear to me
18 that that takes away the -- I mean the -- if
19 the scheme is interested in maximising scheme
20 profits or maximising scheme output I think
21 there is still going to be a tendency for the
22 interchange fee to be too high because it
23 exploits the merchant predicament. Maybe I am
24 missing the point.

25 THE PRESIDENT: No, I am postulating no

1 direct payment to the issuer by the acquirer at
2 all. So what I am postulating is no
3 interchange fee, and when I say if that were
4 the case, one would then say, the scheme would
5 say, look, because of the way the two markets
6 operate we do need a flow of monies from the
7 acquiring side to the issuing side. Here is
8 why, and it goes down to individual negotiation
9 as to whether the scheme can persuade each
10 individual acquirer to pay more such that the
11 issuers pay less. In other words, one
12 translates the imposed rate that is the cut
13 through between the two markets, one replaces
14 that by a part of the negotiation that arises
15 between the scheme and the acquirer in each
16 contractual situation that arises, where each
17 acquirer negotiates separately with the scheme,
18 as does each issuer, and you deal with the
19 costs of the scheme including (inaudible) fraud
20 in that way.

21 MR DRYDEN: I find it -- I struggle
22 a little bit to see how that would play out.
23 I mean, I am sorry to repeat.

24 THE PRESIDENT: Not at all.

25 MR DRYDEN: Sorry to repeat myself, but

1 I think the only point that I am trying to make
2 is that -- is that the, is that there is
3 a market failure on the acquiring side
4 because, because of the lack of surcharging, as
5 I have mentioned, and the fact that the
6 merchant cannot really afford to turn down the
7 card.

8 So any arrangement that exploits that
9 position of the merchant is liable to produce
10 an interchange fee above the efficient level
11 because it is moving too much across to the
12 issuing side. It is moving a pot across that
13 is derived from exploiting market power, not
14 because it is -- you know, not because it is
15 tied to providing something that is efficient
16 on the issuing side.

17 THE PRESIDENT: I am very grateful. We
18 have got on far too long. Mr Frankel, you
19 started us off, but I think the one question
20 that evolved after you had had your say was the
21 question of whether the interchange fee
22 produced a sort of distortion.

23 DR FRANKEL: Yes.

24 THE PRESIDENT: I think you are entitled
25 to have the last word.

1 DR FRANKEL: I am happy to respond to some
2 of this, your follow-up questions after the
3 break if you want to do that.

4 THE PRESIDENT: No. I think we will
5 finish this section now, so do give your answer
6 and then we will rise.

7 DR FRANKEL: So let me kind of go in
8 reverse order.

9 The question you just asked Mr Dryden
10 about separate payments to and from the scheme
11 at the apex, that is what has been referred to
12 in the IFR and in other regulations around the
13 word as circumvention. If the scheme says we
14 are not going to have the issuer be paid by the
15 acquirer, do not just pay us more scheme fees
16 and then we are going to supply funds to the
17 issuer, that could just replicate the
18 interchange fee. If I understand Mr Dryden
19 correctly, he thinks that would just preserve
20 the problem that we have now, and I would agree
21 with that.

22 As to whether there is a distortion of
23 competition from the interchange fee, I think
24 I also totally agree with him about what we
25 call the endogeneity of costs. So it is not

1 there is a fixed amount of fraud or a fixed
2 amount of costs that issuers have that have to
3 be funded. Those costs reflect the MIF that
4 they receive, and we also hear about how all
5 this revenue goes to the acquirers. Well, it
6 goes to the acquirers in that quantity because
7 of the MIF that they must pay, so they charge
8 the merchants.

9 The distortion can be illustrated with an
10 anecdote. I will use the United States
11 anecdote, I think there is also a good European
12 anecdote, but in the United States we have two
13 kinds of debit transactions that we still do.
14 One is authorised with a pin and others are
15 authorised -- these are both at the point of
16 sale -- others are authorised with a signature,
17 okay. But the MIF, until regulation equalised
18 them, the MIF was much higher on the signature
19 authenticated, if you want to call it that. It
20 was really just software algorithms that tried
21 to prevent fraud, but they did not have a pin.
22 A pin was known to be a much more secure
23 transaction. Europeans all adopted pins with
24 chip cards long before Americans adopted even
25 chip cards, and we still do not have pins on

1 credit card transactions, for example.

2 Well, what happened? The issuers worked
3 hard to get their cardholders to use signature
4 debit transactions because they earned much
5 greater MIF revenue on it. Merchants were
6 powerless for a long time. Then they were able
7 to develop what they called pin prompting. So
8 at the point of sale on the electronic pad
9 a pin would appear and that would induce many
10 customers to enter their pins. But often that
11 was not the case and it is still not the case,
12 and so fraud ends up higher because of the
13 MIFs.

14 One other European anecdote that has been
15 mentioned here is the decline rate. Well, you
16 could say if the MIF goes down, the decline
17 rate goes up, that sounds terrible. But if you
18 run that in reverse you say, well, we raise the
19 MIF, what happens? We reduce the decline rate,
20 we reduce the sensitivity of our fraud
21 detector. You are going to get more fraud
22 because there's greater MIFs. I think that is
23 the logical implication of that anecdote.

24 You had asked about whether cardholders or
25 merchants are more sensitive; this came up.

1 I could go into that at some length but maybe
2 I will defer that to later.

3 One question on definitions that I would
4 really like to hear is what is the definition
5 of balance, because we all want to be balanced,
6 no one wants to be imbalanced. But I really do
7 not know what balanced means in this context.

8 THE PRESIDENT: Thank you very much,
9 Dr Frankel.

10 What we will do is we will rise for
11 10 minutes and then Professor Waterson will ask
12 his questions.

13 Thank you very much.

14 (11.50 am)

15 (A short break)

16 (12.03 pm)

17 PROFESSOR WATERSON: So I am going to ask
18 some questions now and, if possible, make your
19 answers relatively brief. We have gone on for
20 quite a long time.

21 The first one is a brief follow-up from
22 some points that the President made. In your
23 view, are organisations like Airbnb and
24 Booking.com, are they two-sided markets, or are
25 they in two-sided markets? I will go from

1 Dr Niels onwards.

2 DR NIELS: So my answer is yes, clearly
3 they are, again because they have customers on
4 two sides and there's positive externalities
5 between the two sides. Airbnb needs more
6 advertisers with rooms on the platform and to
7 attract more users, and the more users it
8 attracts the more advertisers it attracts.

9 The pricing structure is also skewed. It
10 will charge commissions to one side, to the
11 advertisers rather than the users, and also
12 I would actually say this sort of -- the
13 analogy that was between an O and just two
14 sides, I would say in that sense they are like
15 payment systems because there is -- at the end
16 of it, the platform brings them together and at
17 the end there is a transaction between the
18 advertiser and the user because, well, there is
19 a monetary transaction and there is a use of
20 the actual room and, therefore, there is not
21 such a big difference between Airbnb booking on
22 one hand and these payment schemes on the
23 other.

24 MR HOLT: I would agree with that.

25 I would also perhaps mention that these are

1 also examples of two-sided markets where the
2 operator operates in a competitive environment,
3 and therefore the pricing structuring that they
4 adopt can have important ramifications for
5 their success.

6 So if, for example, Booking.com was
7 competing against a number of others, like
8 Hotels.com, and adopted a differential pricing
9 structure to that which is competitive in the
10 market and reflecting relative sensitivities of
11 demand, then I think it would suffer
12 commercially in doing so.

13 MR DRYDEN: Yes, I think they are also
14 two-sided platforms.

15 I think one thing we need to avoid is the
16 suggestion that -- I am not sure if it is
17 made -- that by dint of being a two-sided
18 market or a two-sided platform it cannot have
19 a problem. I mean, one-sided markets,
20 one-sided markets are a mixture of markets that
21 work well and have competition problems, and
22 two-sided markets are markets that work well
23 and some have a competition problem.

24 So it is necessary -- beyond making the
25 analogy, I think it is necessary on the

1 specifics of the market we have, to look at its
2 particular features, which is what I did.
3 I identified what I think are particularly
4 salient features in my previous answer.

5 PROFESSOR WATERSON: Dr Frankel.

6 DR FRANKEL: I would say I have not
7 studied these businesses, and so clearly by the
8 casual definition of a two-sided market they
9 appear to be two-sided markets, but so is
10 a fish market and so is a supermarket bringing
11 together people who eat and people who supply
12 food and they -- they are positive
13 externalities. The more people who eat sushi,
14 the more likely when you go to the supermarket
15 you are going to find sushi.

16 So I would not draw any other conclusions
17 from the mere fact that they have two sides.

18 PROFESSOR WATERSON: Are there any
19 differences -- maybe it would be better to ask
20 Mr Dryden. Are there any differences from the
21 Visa or Mastercard schemes that you would
22 identify?

23 MR DRYDEN: Well, I think the key
24 difference is the one that I identified before
25 the break, which is that there is a particular

1 market failure on the acquiring side, and that
2 is that the -- is that the merchant is unable
3 to send a price signal to the customer about
4 the relative costs of different payment means,
5 for practical purposes.

6 The consequence of that is that the
7 customer in the shop exercises their choice of
8 payment means without regard to the costs that
9 that imposes on the merchant. That is the
10 negative externality they impose. So if MIFs
11 are very high and MSCs are very high, the
12 customer in the shop who chooses to pay by card
13 is not taking account of that cost imposed on
14 the merchant and the merchant is unable to send
15 a signal to them to direct them appropriately.

16 In addition, the merchant, unless the MSCs
17 become extremely high, is not going to turn
18 down that means of payment, because the risk is
19 that they will lose a fraction of the
20 transactions and they would lose the entire
21 surplus or gross margin that they would have
22 made from that transaction to another merchant
23 who does pay.

24 So it is a particular set of features that
25 mean that competition among schemes will push

1 the MIF up to this sort of maximum willingness
2 to pay of the merchant and create this transfer
3 across to the other side. That is the heart of
4 the competition problem.

5 PROFESSOR WATERSON: Thank you.

6 MR HOLT: Can I just sort of make one
7 brief point which relates to the externality
8 which Mr Dryden has identified.

9 So I think he is right in identifying that
10 the Rochet and Tirole merchant indifference
11 test framework goes into what is the
12 externality on merchants, from accepting
13 different types of payment methods and whether
14 there are potential cost savings that they are
15 not able to access easily themselves because of
16 the pricing policy but which could be made via
17 an interchange fee.

18 A couple of brief points on that. One,
19 although that literature is generally framed in
20 the context of card versus cash, in general in
21 my view a broader set of potential alternatives
22 should be taken into account. But in any event
23 that is obviously more of a debate about what
24 is the socially optimal policy, and there is
25 obviously a question as to whether that is the

1 test that we are looking for here.

2 PROFESSOR WATERSON: Thank you.

3 The second follow-up point, Dr Niels
4 referred to an Oxera study, I think. Can you
5 please just say very briefly, Dr Niels, is this
6 a study that compares elasticities on the
7 customer side versus elasticities on the
8 merchant side?

9 DR NIELS: Sorry, I believe you it was
10 Mr Holt who referred to the cardholder survey
11 that Oxera had done. But yes, I think I know
12 what the question is aimed at. It was also
13 part of the questions about what is the
14 empirical evidence --

15 PROFESSOR WATERSON: Yes.

16 DR NIELS: -- on cardholders.

17 So Oxera did, and this was also way back
18 at the time of the OFT investigation, various
19 things. So Oxera did a cardholder survey, then
20 we did -- and there were others who did
21 cardholder surveys as well, and there was
22 evidence coming out of that showing, just
23 confirming the low willingness to pay, limited
24 willingness to pay card fees by consumers.

25 So that is consistent with other -- there

1 is other evidence out there. Mr Holt mentioned
2 the ECB etc.

3 What we also did, and this is not I think
4 in evidence for Trial 1 because it was not
5 really the focus of Trial 1, but it has been
6 mentioned before and referred to in previous
7 retailer litigation. But Oxera and EDC, the
8 consultant company who used to do, or still do
9 Mastercard's costs studies, we also carried out
10 what we then labelled the mini Baxter and maxi
11 Baxter studies, which did precisely that. They
12 tried to look in the round at all issuer costs
13 and revenues and all acquirer costs and
14 revenues to just verify where that -- how that
15 imbalance lies.

16 So if -- indeed, I would suggest if you,
17 as the Tribunal, are interested in the
18 overall -- so taking into account all issuer
19 revenues and costs and all acquirer revenues
20 and costs, that is the sort of study one needs
21 to look at, and that study, the maxi Baxter,
22 also confirmed that there is a cost imbalance
23 and revenue imbalance driven by differences in
24 willingness to pay and differences in where the
25 costs are incurred in the scheme, and they

1 broadly confirm sort of the direction and
2 levels of interchange.

3 PROFESSOR WATERSON: Thank you.

4 Mr Holt? Can you elaborate --

5 MR HOLT: Sorry, what is the question?

6 PROFESSOR WATERSON: If you have nothing
7 to add, then do not feel ...

8 MR HOLT: I commented previously on the
9 nature of the evidence about cardholder versus
10 merchant sensitivity, so I think unless there
11 is any further questions on that, that was
12 really my view.

13 PROFESSOR WATERSON: Yes, Dr Frankel.

14 DR FRANKEL: I said before the break I was
15 trying to help everyone get to the break, but
16 this price sensitivity question, I do have
17 a few thoughts.

18 First of all, it is true that -- I believe
19 it is true that cardholders show more
20 sensitivity to fees when those fees are
21 salient. So when you are -- meaning if you are
22 faced at the point of sale by a merchant who
23 says if you want to use that card, I am going
24 to add a 2% surcharge, many consumers will
25 switch.

1 In Australia, there is a lot of evidence,
2 payment diary evidence from the Reserve Bank,
3 for example, that shows that when confronted by
4 a surcharge on a credit card, many consumers
5 switched and used the debit card instead that
6 did not draw a surcharge, a much lower cost to
7 the merchant.

8 Other fees to cardholders are less
9 salient. So these foreign transaction fees
10 that I refer to in my report, what they used to
11 call currency conversion fees even when
12 currency was not being converted, originally
13 they were just buried in the transaction amount
14 and there was no consumer response to those.

15 Then because of litigation they ended up
16 showing those fees on statements and in other
17 materials, and they became somewhat more
18 salient and you see banks competing with
19 respect to those fees as a result.

20 With respect to merchants, they tend not
21 to be responsive to the level of fees, in part
22 because of all the restrictions on their
23 ability to send those signals.

24 PROFESSOR WATERSON: Thank you.

25 Mr Dryden, do you want to say anything on

1 this?

2 MR DRYDEN: Yes.

3 So in terms of relative sensitivity,
4 I think I have already explained that on the
5 acquiring side of the market, the merchant is
6 quite insensitive to the level of the MSC, and
7 then that means the acquirer is quite
8 insensitive to the level of the MIF for the
9 reasons I have given and will not repeat.

10 We heard factual witnesses say that
11 retailers say that they would pay the MSC even
12 if it was extremely high. So it is evidently
13 the case that there is insensitivity on that
14 side.

15 Of course there is a cellophane fallacy
16 point, which is that the scheme will push the
17 MIF up to the point that the MSC is getting to
18 the point that the merchant might start to
19 think about declining the card. But in that
20 whole region between a sort of competitive
21 level and factual level, it is insensitive,
22 which is why the MIF goes to the level that it
23 does.

24 On the other side of the market, I mean,
25 to some extent we do not worry too much about

1 how sensitive the cardholders are because --
2 for the following reason, which links to my
3 previous answer. If the issuing side has been
4 oversubsidised, so if more MIF is coming across
5 than can be justified on the basis of the
6 externality, and it is providing cardholders
7 with lots of benefits etc and if they are
8 sensitive to the removal of those benefits,
9 that is not a problem.

10 PROFESSOR WATERSON: No. Thank you.

11 Moving on. I wanted to raise a point
12 which you will know that Mr Knupp, the
13 representative of Visa, a senior employee of
14 Visa, was giving evidence and now this has
15 moved around a bit in the transcript, but
16 I think everyone has agreed that it is now not
17 part of the private session, but I am sure
18 Mr Kennelly will pop up immediately if I get it
19 wrong.

20 So the question that came from Mr Tidswell
21 was:

22 "Well, you would have a default settlement
23 at par scheme which would be perfectly
24 operational?"

25 Mr Knupp answered:

1 "Yes, but we -- I mean, the network would
2 never have gotten off the ground had we done
3 that. So I think that most people would accept
4 that that is why the system got off the
5 ground."

6 "It is a somewhat different question
7 though about whether the system would survive
8 changes at the present state of development, if
9 you like. I mean, clearly when the system is
10 getting off the ground you have to engage very
11 closely with issuers and to some extent with
12 acquirers and certainly with merchants in order
13 to get the system off the ground. But once the
14 system is off the ground, the engagement need
15 not be as intensive."

16 "So in developed markets electronic
17 payments are ubiquitous ...(Reading to the
18 words)... and governments or other bodies could
19 enforce a lower transfer price, if you will,
20 just understanding how the balances on the
21 different sides, right. So you have a lower
22 price to merchants at lower exchange rates ..."

23 He then went on to say:

24 "You know, that is not consequence free,"
25 and he elaborated on that.

1 So I would like your reaction to that
2 exchange and maybe we will start this time with
3 Dr Frankel.

4 DR FRANKEL: It is often said that, you
5 know, maybe you need a MIF when you are first
6 getting started as a kind of subsidy to get
7 going, but maybe not later on. People ask this
8 question often.

9 First of all, it is revealing in the sense
10 that it recognises that what this does is
11 create a subsidy. This takes money from
12 somewhere else and uses it to incentivise the
13 use of this system.

14 I think there is pretty good evidence that
15 even in the early days of card schemes, MIFs
16 were not necessary. Issuers certainly
17 preferred to get MIFs, so they gravitated
18 towards the schemes that offered the MIFs, and
19 they, in many cases, have abandoned the scheme
20 that did not offer them MIFs. But those --
21 a zero MIF of par settlement schemes often did
22 quite well. Canada had -- it was the most
23 popular payment system in Canada. Visa Canada
24 wanted to co-brand on the Interac cards in
25 Canada to try to get their -- their own debit

1 card launched because it was ubiquitously used
2 in Canada and they had no MIF.

3 PROFESSOR WATERSON: Thank you.

4 Mr Dryden?

5 MR DRYDEN: Yes, I think the argument is
6 sometimes made that a MIF in the opposite
7 direction could help a scheme get off the
8 ground, because when you are at the sort of
9 genesis of solving the chicken and egg problem
10 it may be ambiguous which way it goes. I am
11 not sure I have never really looked at that.

12 I would note that the Mastercard 2007,
13 I think, decision which presumably pertained to
14 a somewhat -- in itself was quite a long time
15 ago and itself pertained to quite a historic
16 period including, I think, the application of
17 the intra-EEA MIF for at least a few countries
18 because it was the domestic MIF, that is taking
19 you quite far back in time to a much earlier --
20 including in countries that are sort of less
21 advanced than the UK in terms of payment means,
22 and even at that point I think the MIF was
23 always flowing in the direction that we are
24 familiar with in spite of the much, much
25 greater prevalence of cash, for example, at

1 that point in time.

2 PROFESSOR WATERSON: Mr Holt.

3 MR HOLT: Sorry, I have to move the
4 microphone to be able to see you. A little
5 bit.

6 I think this is the question as to whether
7 a MIF might be appropriate to sort of solve
8 a chicken and egg problem to try and get the
9 scheme up and running, but may not be necessary
10 under a mature scheme. I do not think it is
11 correct to treat it in such a binary way.

12 I can see that there could be a case for
13 a higher level of MIF if there is a specific
14 chicken and egg problem that you do need to
15 resolve as a scheme, and as I mentioned I think
16 before the break, as far as I understand in the
17 early years of the scheme the MIFs were indeed
18 much higher. I think 6 or 7%.

19 PROFESSOR WATERSON: Mr Knupp said so,
20 yes.

21 MR HOLT: That may well have been in part
22 due to help resolve this issue. But as one can
23 see, they have obviously come down a lot over
24 time reflecting changes in the cost revenue
25 balance issues and the competitive dynamics.

1 So I think it is a bit of fallacy to treat it
2 strictly in a binary way.

3 I think -- I mentioned in terms of
4 discussing what the rationale for the MIF is,
5 again before the break. A number of those
6 I think do apply on an ongoing basis. They
7 relate to the issues around obtaining the
8 appropriate revenue cost balances I mentioned
9 before. But also in terms of optimising around
10 issues of the cost of fraud and how that cost
11 is allocated, one can also point to the fact
12 that it is not a static product but one that
13 innovates over time and brings out a series of
14 new innovations over time; for example, going
15 from EMV, or chip and pin, to contactless.

16 So there might well be dynamic issues that
17 need to be taken into account, and the MIF can
18 help provide the business case for the issuing
19 side.

20 Of course, those are again some of the
21 intrinsic sort of properties that might justify
22 the MIF, but there is also the competition
23 based ones, and of course the competitive
24 environment is important. One can perhaps say,
25 well, cash is not a particularly strong rival.

1 It is sort of notable, I think, that it is only
2 in recent years that cards have overtaken cash
3 by number of transactions. That happened quite
4 recently.

5 But I think even more to the point, the
6 majority of card transactions are actually C
7 and P ones, if I understand it correctly, and
8 of course cash might not be the most direct
9 competitor in that case, but other card schemes
10 are, and indeed the buy now pay later and the
11 digital wallet options are. Again, those have
12 higher costs in general for merchants and adopt
13 essentially a user -- sorry, a merchant pays
14 model, dealing with the very same cardholder or
15 user sensitivity to price issues that Visa and
16 Mastercard schemes are dealing with.

17 So I think finally, just to sort of pick
18 up on the idea that zero MIF schemes clearly
19 have existed, and in some cases do exist,
20 Interac being one of those examples. But
21 a number of them have been abandoned because of
22 the costs of investment associated with merging
23 modern payment regulations. So the European
24 SEPA regulations led to a requirement for
25 investment on scheme participants which is

1 essentially deemed too high, given the
2 commercial environment within which those
3 schemes are operating. So this is the
4 Pankkikortti Finnish system, as an example;
5 Laser in Ireland, I think, too and at least
6 I think some proportion of the attribution of
7 the impact that led to those schemes being
8 abandoned was the fact that they did not have
9 an interchange fee model to support investment
10 in business cases from the issuer side, and of
11 course there is other debate about, well, which
12 model is most appropriate in terms of bringing
13 out innovation.

14 PROFESSOR WATERSON: Would scheme fees not
15 cover that instead?

16 MR HOLT: Well, positive scheme fees to
17 the issuer side would not cover that. I do
18 agree with you that negative scheme fees to the
19 issuer side would largely resolve that. So
20 that comes back to our scheme fee negotiation
21 counterfactual which, in my view, would broadly
22 if, for whatever reason, that were deemed to be
23 different in terms of having restrictions
24 compared to a MIF actual world, but would
25 nevertheless in my view lead to a similar

1 amount of transfer across the sides, then yes,
2 I would agree that that would potentially have
3 been a way to resolve that. But obviously that
4 was not adopted.

5 PROFESSOR WATERSON: Dr Niels.

6 DR NIELS: So, Professor Waterson, I have
7 indeed heard you ask the question a few times
8 in the last days about the difference between
9 new networks and mature networks. I think it
10 is also helpful to go back to the network
11 economics literature.

12 In the network economics literature there
13 is a phenomenon indeed called critical mass.
14 It is recognised that new networks need
15 critical mass. I have written papers about
16 this myself.

17 PROFESSOR WATERSON: Yes.

18 DR NIELS: Which means if no one else uses
19 a network, then you will not join as a user
20 either. But once you have reached critical
21 mass, then the network sort of takes off by
22 itself, and that is why you get these phenomena
23 like introductory pricing, giving away the
24 product for free to get users on board fairly
25 quickly. So that is well-established.

1 But it is also established that in
2 two-sided platforms there is a continued need
3 to keep both sides on board, and therefore you
4 do see even for very mature two-sided
5 platforms, you do see this continued skewed
6 pricing structure, in particular where they
7 compete, as is the case here, with other
8 platforms. So from that perspective I do not
9 think you can say just because, you know,
10 credit card, debit card payments are now mature
11 they do not need an interchange anymore. They
12 very much do.

13 PROFESSOR WATERSON: Thank you. So this
14 leads me --

15 MR DRYDEN: May I make one follow-up
16 remark?

17 PROFESSOR WATERSON: Yes.

18 MR DRYDEN: I just want to make sure I am
19 not misunderstood.

20 I mean, it is possible that in a mature
21 system there could be an innovation rationale
22 for the MIF on an ongoing basis. But that has
23 to be, to my mind that has to be proven because
24 it is not at all obvious.

25 So in a mature system the problem that

1 I have described on the acquiring side of the
2 market is going to be quite acute, because
3 a merchant turning down a card is going to be
4 very liable to the business stealing effect
5 from our merchants and they do not have the
6 price signal to steer customers.

7 So in the mature environment they are
8 exposed to the MIFs being quite high, as we
9 have heard from the factual witnesses. It
10 would in a sense be a huge coincidence if the
11 level of the MIF produced by pushing the
12 merchants as far as they can be pushed happened
13 to be the efficient level of the MIF to give
14 the right level of incentives for innovation or
15 subsidisation of the card offered to correct
16 that externality I was talking about before.

17 So it is not that these things are
18 impossible in the kind of steady state of
19 a mature scheme; it is just that it sort of --
20 it is a huge leap to observing that they are
21 possible to them justifying the MIF at the
22 prevailing level.

23 PROFESSOR WATERSON: Thank you.

24 So this, as I say, leads me on to a more
25 specific question, which is still related, and

1 I want to put up two diagrams. I think both,
2 one at least is confidential but I think these
3 come from your own reports so you will have
4 seen them amongst yourselves.

5 One is at {RC-H1/1/91} and it is a diagram
6 from Dr Frankel, and the other one is a diagram
7 from Mr Holt which is {RC-H4/4/177}. If we
8 could have both on the same screen I think that
9 would be useful.

10 Can we have both on the same screen?
11 {RC-H4/4/177} Thank you.

12 Good. The question that I wanted to raise
13 related to these two diagrams is, if you
14 recall, the IFR came into force on
15 9 December 2015 and both figures span, to
16 a differing extent span before and after, and
17 there has been a lot of discussion, for
18 example, in various places about death spiral
19 and American Express.

20 So the first question is: can we see any
21 changes to American Express's share as a result
22 of the movement downwards of the MIF relating
23 to the IFR?

24 Dr Frankel?

25 DR FRANKEL: So my take on these trends is

1 that American Express has not, except in a very
2 transitory way in Australia and I do not think
3 in a meaningful way in Europe, increased their
4 share in the short-run, and then Amex ended up
5 losing share because of having to abandon their
6 GNS, their programme where they had other banks
7 issuing their cards.

8 PROFESSOR WATERSON: Yes.

9 DR FRANKEL: But they have not replaced
10 that with their own issuing efforts. So their
11 overall share has declined, notwithstanding
12 a very dramatic reduction in MIFs in many
13 European countries.

14 PROFESSOR WATERSON: Right. Thank you.

15 So, Mr Dryden?

16 MR DRYDEN: Yes. As far as I know, there
17 have been -- well, in the interests of time
18 I do not have much to add to that answer. That
19 makes sense to me.

20 PROFESSOR WATERSON: Okay, thank you.

21 Mr Holt?

22 MR HOLT: I think obviously one can see
23 from looking at the graph on the left-hand side
24 that Amex did not gain any significant at least
25 market share and ultimately reduced, I think.

1 I would note that that is in relation to --
2 this seems to be overall card transaction
3 value, and obviously the IFR was in relation to
4 consumer domestic and intra-EEA.

5 So I think the fact that the regulatory
6 cap applied in that context and also applied to
7 Amex GNS are relevant contextual factors to
8 take into account when assessing, to the extent
9 that you are wanting to use this as
10 an illustration of what might happen in the
11 counterfactual in these proceedings, I do not
12 think that would necessarily be the case.

13 I would also -- you might have a question
14 on the right-hand side. I note that those are
15 commercial MIFs as opposed to the MIFs that
16 were subject to the IFR. Just to make sure
17 that you are aware of that.

18 PROFESSOR WATERSON: They are commercial
19 MIFs and they remain more or less static, as we
20 can see.

21 DR NIELS: Yes. Maybe just a few brief
22 comments.

23 I think in this case it is always very
24 important when we talk about MIFs that we are
25 very specific about which are we talking about:

1 commercial, interregional or post-IFR?

2 The question of Amex as a competitor and
3 as a threat is primarily relevant in this
4 Trial 1 for interregional and commercial, and
5 both interregional and commercial, we saw from
6 the factual evidence that Amex is a significant
7 competitor. So that is my first observation,
8 and the other point is similar to what Mr Holt
9 made.

10 If you look at the IFR overall, which is
11 of course a consumer or -- yes, consumer
12 MIFs -- I cannot now recall if that is the
13 right term. But of course one competitive
14 dynamic that changed there is that Amex was
15 also covered by the IFR in countries where it
16 was large enough, and therefore Amex or -- I do
17 not know if therefore, but certainly in the
18 period Amex has now dropped, as
19 Professor Frankel also mentioned, the GNS
20 model.

21 So the competitiveness of Amex, the
22 competitive strength of Amex in that space has
23 also been curtailed post-IFR. So that is
24 another reason why perhaps you do not see, at
25 least in certain data you do not see this big

1 effect on Amex.

2 PROFESSOR WATERSON: You see a death
3 spiral?

4 DR NIELS: No, you do not see a death
5 spiral because all three of them are, are
6 captured by the IFR.

7 PROFESSOR WATERSON: Thank you.

8 MR DRYDEN: If I may come back in, I think
9 if one is looking at -- for the impact on Amex,
10 as far as I am aware there may be four
11 examples. There is the IFR, which obviously
12 relates to domestic and intra-EEA MIFs, and
13 I agree it is right if the MIFs are of one type
14 we should be looking for market share impact of
15 corresponding transactions. So there is the
16 IFR. There is the interregional MIF
17 commitments, there is Australia, and then
18 I think there may be something in New Zealand.

19 I mean, each of those examples has to be
20 looked at in detail. I am not aware that any
21 led to a very significant shift to Amex within
22 the corresponding markets. But of course they
23 each have to be taken on their merits for
24 whatever market they relate to.

25 I mean, it was the case that when I did

1 the previous interchange cases that Amex --
2 that the -- that the suggestion was that Amex
3 would capture a huge share of commercial cards
4 if the -- sorry, of consumer cards, forgive me,
5 if the MIF came down.

6 So although the argument is now made about
7 commercial and interregional, the argument has
8 in the past been made about Amex within
9 consumer, and that does not appear to have
10 materialised.

11 PROFESSOR WATERSON: Thank you.

12 My follow-up to this is later on in,
13 I think it is round about page 180 -- again,
14 Mr Knupp was talking -- of the transcript on
15 Day 7, and broadly speaking what he says here
16 is regarding interchange fees, issuers want
17 them high and the merchants want them low, and
18 I think we all accept that, that issuers want
19 interchange fees to be high and merchants want
20 them to be low.

21 So the objective is to try and get the
22 balance right. It is a bit of a blunt
23 instrument. The market will tell you whether
24 you have the balance wrong {Day7/112:9}:

25 "... [if] we have a lot of merchants that

1 today do not accept our rates ... our pricing
2 structure is not working for them and so ... we
3 often have to introduce lower rates to bring
4 them into system.

5 "... how do we provide a great value
6 process for the issuers to get the
7 most cardholders? When it is out of whack, we
8 will lose cardholders on the issuer side to a
9 competing network or we will not have the
10 merchant acceptance ..."

11 Now, given that, this led me to think
12 about whether we have seen firms exiting the
13 issuing side in response to this rebalancing
14 created by the IFR, or not? Have we seen --
15 you know, if he says we want to keep the
16 acquirers happy and the merchants happy,
17 suddenly there has been a big change to the
18 merchants there, they have had to receive less
19 and the acquirers have had to pay less.

20 So have we seen an exit of issuers in the
21 market? Have we seen a growth in acquirers as
22 a result of the IFR?

23 Dr Niels.

24 DR NIELS: So Mr Knupp's dynamics that he
25 describes there, those are consistent with my

1 understanding of how the dynamics work and the
2 way I describe it in these systems.

3 Actual evidence after the IFR of entry and
4 exit I have not assessed, partly I think
5 because it was not really the focus of the
6 expert reports in Trial 1. So I have not
7 analysed it.

8 What I have seen, and I think this has
9 come out in the factual evidence, is that
10 certainly the business model and the economics
11 for issuers has changed. So, for example,
12 there are fewer cardholder benefits in
13 aggregate being offered. But other than that,
14 this is factual evidence that I have not looked
15 at.

16 PROFESSOR WATERSON: Right. Thank you.

17 MR HOLT: Yes, similarly I have not looked
18 at it, but I think the context points that
19 I made earlier as to the nature of the IFR by
20 reference to the appropriate counterfactuals in
21 these proceedings are quite relevant; in other
22 words, which MIFs did they apply to? What was
23 the competitive context within which the card
24 schemes were operating, and in particular to
25 what extent did the regulation affect one

1 scheme or one scheme model as opposed to
2 a wider set of models? I think on those
3 grounds, one, in my view, should not overweight
4 the evidence relating to the IFR as a relevant
5 counterfactual for the interregional and
6 commercial MIFs.

7 PROFESSOR WATERSON: Mr Dryden?

8 MR DRYDEN: Yes, this is a two-part
9 answer.

10 Just firstly going back to Mr Knupp's
11 characterisation. You know, I understand that
12 it can be the language that becomes routine or
13 adopted in terms of talking about balance, but
14 it does not quite make sense to me. I think
15 Dr Frankel referred earlier to the idea that we
16 have to be careful about what does balance
17 mean.

18 As an economist, you would normally think
19 of a firm maximising profit or maybe it is
20 trying to maximise output. I do not think Visa
21 has a sort of an ultimate maxim and an ultimate
22 objective when it gets out of bed in the
23 morning of balance. My objective today is to
24 be balanced.

25 So the dynamic, which I think was also

1 described by Mr Knupp and others, is the one
2 that I think I have tried to describe earlier.
3 If you are profit maximising or output
4 maximising at the same time as trying to be
5 universal, you push the MIFs as high as you can
6 on the merchant side. I think you described
7 that in the transcript. You push up to that
8 point. You are careful you do not go too far,
9 but that is sort of the point of resistance
10 that you are sort of approaching, in order to
11 get as much across to the issuing side as
12 possible, to be competitive on the issuing
13 side.

14 So I think that is an economics framing
15 that is, to my mind, slightly more illuminating
16 than kind of an abstract notion of balance.

17 In terms of what we then see on the
18 issuing side if MIFs come down, I have not
19 looked at that. I have not looked at that very
20 closely. I would expect as MIFs come down
21 there to be some reaction on the issuing side.
22 Traditionally it does not form part of the
23 101(1) analysis. To a great extent that is out
24 of the market, so I have not looked at it and
25 I would reiterate what I said earlier. If, for

1 example, some issuers exit -- even if one had
2 the exit of some issuers on that side of the
3 market, that would not necessarily be
4 inefficient. In fact, that could be efficient
5 if their presence there had only been because
6 of an excessive subsidy.

7 THE PRESIDENT: Dr Frankel?

8 DR FRANKEL: So I have looked at this.

9 First of all, Mastercard 2007 decision
10 quotes at some length Mastercard's general
11 counsel. I was actually at that hearing where
12 he spoke and I remember it quite well.

13 He said that what Mastercard does when it
14 does its cost studies and tries to do all this
15 work to figure out where to set the MIF,
16 because he was being pressed about how does
17 this work, and he got -- and what he said was:
18 Mastercard tries to set it at the highest level
19 possible that does not create merchant
20 resistance that they do not drop the card or
21 they do not start surcharging or steering away
22 from Mastercard.

23 So it is exactly what Mr Dryden is
24 referring to. The idea is to get as much as
25 you can from the merchants without having

1 a serious loss of transaction volume.

2 When MIFs did fall in -- let me start with
3 Australia, Mastercard consultants presented
4 some data that showed that the number of
5 Mastercard merchant locations in Australia
6 accepting credit cards, Mastercard cards, went
7 up by I think 40% roughly. I had to read their
8 graph, but it looks like about 40% increase
9 over the subsequent couple of years.

10 In Europe when the IFR went into effect,
11 Mr Holt has explained that merchants, many
12 merchants that did not formerly accept credit
13 cards starting taking credit cards. He
14 interprets that as merchants have choices.
15 When the fees go up they can leave it. I go in
16 reverse: when fees came down, more merchants
17 accepted the cards.

18 In the United States there was
19 a tremendous reduction in the level of debit
20 interchange fees with what we call the Durbin
21 Amendment, and there were all these predictions
22 that banks are going to stop issuing debit
23 cards. What are they going to do
24 competitively? They are going to tell their
25 customers go back to cheques? No, they all

1 continued to offer debit cards and debit volume
2 in all these -- credit card and debit card
3 volume in all these countries has continued to
4 grow.

5 PROFESSOR WATERSON: Thank you.

6 Apologies for asking that question, but
7 the question is just if you were not thinking
8 about this. But it just seemed to be a natural
9 question that an economist would ask.

10 MR HOLT: Am I able to make a brief
11 follow-up remark?

12 I think just a couple of points that
13 Mr Dryden and Professor Frankel raised, one
14 related to the notion of balance and whether
15 the schemes are sort of getting up and aiming
16 for that as their ultimate objective.

17 Obviously if it is a means to an ultimate
18 objective, I am not sure why that distinction
19 is particularly important. So as long as it is
20 a relevant consideration in how they are
21 determining not only the interchange fee, of
22 course that is one aspect, but they have
23 a whole series of other aspects to the
24 contractual arrangements with the participants;
25 what is the basis of fraud allocation, and all

1 these other things. They are all
2 interconnected, and obviously I think it is
3 probably not particularly contentious to say
4 that they are optimising for the success of
5 their own scheme. They have no particular
6 reason to try and optimise anyone else's
7 success. But if balance is a means to obtain
8 that, I think it does not necessarily mean that
9 it is less relevant.

10 Professor Frankel referred to the impact
11 on acceptance. I think in some countries maybe
12 acceptance is lower than it is in the UK.
13 I think that particular example might have been
14 from Italy.

15 I think the other point here is that it is
16 a bit difficult to necessarily attribute
17 changes in acceptance to one particular factor,
18 because this was of course at around the time
19 that contactless technology was becoming more
20 prevalent, and I would expect that that would
21 also have an impact on acceptance because of
22 the increased -- ultimately the increased
23 desirability on the part of cardholders to use
24 that.

25 PROFESSOR WATERSON: Yes. No, I agree.

1 I was just looking at this in a sort of two
2 factor, but clearly there are many factors
3 involved here.

4 MR HOLT: Yes.

5 PROFESSOR WATERSON: Thank you. I think
6 that completes the questions I wanted to ask.

7 MR TIDSWELL: I just have a few questions.
8 I think I am in the fortunate position that we
9 have covered most of my questions, which is
10 a very good thing because there is very little
11 time left as well.

12 I just want to pick up a couple of points,
13 if I may, though. Firstly, just on the
14 acquiring market, and I think you should tell
15 me if I have got this wrong, but I think there
16 is general acceptance, I am talking generally,
17 not about specific interchange fees, a general
18 acceptance that merchants face significant
19 market power because of the must take position.

20 Obviously one can argue about the extent
21 of that and so on, but there is at least
22 an acceptance of that, and that the impact of
23 that is to create some upward pressure on
24 prices.

25 I just want to check that I am not --

1 particularly Dr Niels and Mr Holt, I am not
2 starting with a false premise that you would
3 not accept. Can I just test that with you?

4 MR HOLT: Shall I start, because I think
5 I have perhaps said more in my reports on this
6 than I believe Dr Niels has done. Obviously he
7 can speak for himself after this.

8 I have raised some question marks around
9 the extent to which must take status applies at
10 least in some contexts. I think for commercial
11 it is not so obvious that it might be -- as
12 might be the case in other contexts. There are
13 a number of factors that I looked at. They
14 were the availability of substitute payment
15 methods that might apply.

16 MR TIDSWELL: Would you mind if I
17 interrupt, because I do not want to get into
18 the specifics of this particular --

19 MR HOLT: Okay -- I am happy to take.

20 MR TIDSWELL: This is the platform for
21 follow-up questions. I wanted to -- I am
22 certainly not trying to push you on the extent
23 of it either, I am just really trying to -- let
24 me ask the follow-up question and see what
25 I want to understand is to the extent there is

1 market power, let us put it that way, that does
2 create upward pressure in some circumstances on
3 prices for merchants, what is the root cause of
4 that market power, where does it come from? It
5 seemed to me there were a number of different
6 options, it might be the nature of the rules,
7 which I think is certainly what is said by the
8 claimants, it might be the nature of the
9 overall design and nature of the scheme itself,
10 it might be the market -- it might be inherent
11 in having a payment system or it might be
12 something else. I just wanted to get your
13 sense of that. I do not want to stop you if
14 you wanted to address the underlying premise
15 but if you think it is not completely wrong
16 I am just interested in what it is that causes
17 that feature.

18 MR HOLT: In the interests of time I am
19 certainly happy to take that as an assumption
20 and then comment on what the factors are that
21 do lead to reduced merchant sensitivity.

22 MR TIDSWELL: Yes, that is a better way of
23 putting it --

24 MR HOLT: I have stated that and agreed
25 with it. I think that is merchants are

1 competing hard with each other. They want to
2 offer the best experience they can to their
3 customers, they want to avoid payment
4 frictions, they want to avoid losing sales and
5 for essentially all of those reasons those are
6 reasons why they might in general tend to
7 accept multiple payment methods including
8 several that are more expensive of course than
9 Visa and Mastercard and they do that in order
10 to offer the best experience and to maximise
11 sales, I think.

12 MR TIDSWELL: So I think that is
13 effectively -- you may not put it like this but
14 that is what the category of it is inherent in
15 having a payment system but if you have
16 merchants accepting payments, they will be
17 driven to that position; is that broadly right?

18 MR HOLT: I think it goes beyond the mere
19 existence of the payment system, but the fact
20 that retailer competition will lead them to
21 want to provide the best service to their
22 customers in order to maximise their sales and
23 obviously in some cases if they are able to
24 pass on that -- those costs in any event
25 because there is extra value that is being

1 provided to the user base, the customer base,
2 then that is a further reason why they would be
3 happy to accept.

4 MR TIDSWELL: Thank you. Dr Niels.

5 DR NIELS: Yes, I agree with Mr Holt and
6 indeed it is one needs to be careful with the
7 terminology here. There is a spectrum from
8 "must take" to "should take" to "it is very
9 attractive to take" and also as a matter of
10 economics, a degree of pricing power and having
11 a very attractive product that your customers
12 kind of have to take or find very attractive to
13 take goes hand in hand.

14 So the root of the pricing power that
15 exists on the merchant side does indeed come
16 from the value that these payment systems bring
17 and the need, as Mr Holt says, for merchants to
18 offer their customers choice.

19 MR TIDSWELL: Thank you. Dr Frankel.

20 DR FRANKEL: So I have again traced the
21 whole history and -- I was interested in these
22 issues. So market power and payment systems
23 goes back through the ages. Governments
24 issuing gold coins in this country had
25 a monopoly, a legal monopoly, if you made your

1 own gold coins the penalty was not pleasant and
2 this is an important because I heard during the
3 trial someone say that the government bore the
4 cost of the cash system and in fact cash is
5 tremendously profitable to governments. They
6 print, you know, a banknote for a trivial cost
7 and they buy stuff with it and they put it into
8 circulation and that generates a tremendous
9 amount of profit. What has happened is the
10 profit from the cash system that goes to the
11 government monopoly on cash has been
12 transferred to the private sector into these
13 private payment systems and they try to make
14 structures to keep that inherent market power
15 alive for the banks. Over the ages for the
16 last 200 years we have seen this going from
17 privately issued currencies where bank clearing
18 houses got together to try to restrict
19 competition, to then cheque clearing houses and
20 then the card schemes are really the successor
21 to the cheque clearing houses, that 120 years
22 ago were often used to form cartels.

23 MR TIDSWELL: So, sorry, just to come back
24 to the question, are you saying that that
25 market power is inherent and the scheme -- or

1 are you saying something different?

2 DR FRANKEL: I am sorry, so there is this
3 inherent danger of market power arising in
4 these markets. It is very easy for it to arise
5 and why is it possible to exercise market power
6 against merchants? Why is it said there are
7 "must take" cards, a term that arose here
8 in the UK, the gross margin for most merchants
9 even if they have a very narrow net margin like
10 a supermarket the gross margin might be quite
11 high so at the margin if you make another sale
12 and you earn 30% profit margin on that sale, it
13 does not take losing many transactions at all
14 for you to decide: I am just going to pay the
15 fee rather than lose the sale and we have heard
16 about the benefits that merchants get in this
17 trial and relative to the MIF, in that
18 competitive market we do not usually expect to
19 pay based on the value that we receive, it is
20 not a willingness to pay that determines
21 competitive prices in a competitive market.

22 MR TIDSWELL: Thank you, just to
23 (inaudible) I said, Dr Niels and Mr Holt,
24 I meant inherent in the market I am sorry
25 I misspoke. Just so you are clear, I was not

1 distorting what you said. Mr Dryden?

2 MR DRYDEN: Yes, I think I agree with some
3 of what has been said. So the question is root
4 cause of this market power. I agree that
5 a necessary condition for this market power is
6 that merchants are competing with each other
7 and the market power gets greater the more
8 merchants are competing with each other, that
9 point has been made because the business
10 stealing risk becomes greater. I mean, that
11 can be put sort of benignly in the sense that
12 the merchants want to therefore make their
13 retail offer more attractive to customers in
14 order to compete with other merchants.

15 I mean, that is a benign framing. The
16 less -- the opposite of benign framing is that
17 it is creating a situation where the payment
18 scheme can extract some of the gross margin of
19 the sale beyond the transactional benefit they
20 confer on the merchant because of the
21 efficiency of their payment scheme to the
22 merchant.

23 So it is that ability to extract some of
24 that value which is the competition problem.

25 It is not enough that the merchants are

1 competing with each other. There are two other
2 factors that we need to have present and
3 I think I have mentioned one of them already;
4 that is the lack of surcharging. So if the
5 merchants could and were surcharging, that
6 creates a completely different dynamic of
7 competition or has the potential to create
8 a completely different dynamic of competition
9 to what we would see. The schemes would start
10 competing the MIF downwards because they want
11 their payment instruments to be less surcharged
12 in the merchant and that becomes attractive to
13 the cardholder when they are deciding what card
14 to take out. So the competition problem goes
15 away with surcharging, it is the lack of this
16 price signal in the market that is creating the
17 market power problem.

18 The other condition that has to be present
19 is a degree of single homing or preference
20 among customers about which payment instrument
21 they use. If all consumers on the right-hand
22 side are multi-homing, so they have all the
23 cards or they have all the different payment
24 instruments and they are equally happy using
25 different ones, then the merchant can kind

1 of -- costlessly turn down one of those payment
2 means and they do not suffer the business
3 stealing effect, because the customer will use
4 a different -- will use a different card.

5 So it is those things in combination, the
6 merchant competition, the no surcharging and
7 some degree of single homing or preference over
8 payment instruments that creates the market
9 power.

10 MR TIDSWELL: That is very helpful, thank
11 you. I have one other question if nobody
12 objects to that and I think I know the answer
13 to this as far as Dr Frankel and Mr Dryden are
14 concerned, so I think it really is a question
15 for Dr Niels and Mr Holt. It is a balancing
16 question that Professor Waterson explored with
17 you and I wanted to drop down a level.

18 We have heard a lot of evidence about the
19 importance of costs, the issuers' costs, in
20 that exercise and I wonder if we could just
21 spend a minute just talking about how from an
22 economic point of view the schemes ought to be
23 thinking about those costs when they are trying
24 to set the balance. I think Mr Dryden and
25 Dr Frankel say we should not be thinking about

1 them at all and might want to disagree with
2 that in a minute, but I think that is their
3 position. But I am interested to understand
4 what you think that the right approach to the
5 setting of those costs are, so in other words
6 how do you -- just to give an example, how do
7 you identify -- if you believe they should be
8 taken into account, how do you identify which
9 costs should be allocated from issuers to
10 acquirers, say, because they give rise to
11 innovation or because they share the fraud risk
12 or share the cost of a fraud risk and how do
13 you distinguish that from costs which are
14 really just about the relationship between the
15 cardholder and the issuer and is that an
16 exercise of allocation that needs to take place
17 in order to get to the proper balancing?

18 DR NIELS: Yes, sir, if I can start. As
19 I said before, the imbalance arises because
20 there are more costs on the issuer side than on
21 the acquiring side. Which costs are we talking
22 about? Well, that is actually quite well-known
23 because from the very beginning that is my
24 understanding. We go back -- Professor Frankel
25 goes back into history, I go back in history,

1 from the NaBanco case in 87 in the US, out of
2 that, that is my understanding, came the issuer
3 cost methodology that Mastercard has applied as
4 a proxy methodology to precisely to identify
5 those costs. This has also been described in
6 last week's Merricks judgment, in what role did
7 they play? The MIF was not set at the level of
8 cost but they played a role in thinking about
9 the right levels of MIF.

10 Those -- those issuer cost studies focused
11 on three very specific categories of costs and
12 I think it is helpful here to indeed look at
13 them because they are the processing cost, the
14 costs of the interest free period and the costs
15 of the payment guarantee which then includes
16 cardholder default and fraud. So it had always
17 been quite well understood that those are three
18 relevant categories of issuer costs. Indeed,
19 my understanding is also that those same three
20 categories of costs were the basis for the Visa
21 exemption decision in the early 2000s by the
22 Commission. It allowed Visa to set MIFs at the
23 level of those three costs. So that would be
24 my answer to your question is those are three
25 relevant categories of costs to be considered.

1 MR TIDSWELL: Once schemes have undertaken
2 that exercise to identify by some cost study
3 what those costs are, by reference no doubt to
4 transaction, is that then -- how does that then
5 get incorporated into the balancing exercise?
6 Is that a matter of judgment at that stage?

7 DR NIELS: Factually my understanding is
8 there is a lot of judgment involved at that
9 stage for sure and that that judgment is driven
10 by other market factors, competitive
11 conditions, indeed the factors that we talked
12 about earlier so, you know, which are the
13 payment schemes are there to attract issuers,
14 so at what level do we need to set that MIF,
15 but also factors of cardholder willingness to
16 pay and indeed pushing back by the acquiring
17 side and merchants.

18 MR TIDSWELL: Am I right in thinking, I do
19 not think -- I may have missed this, but I do
20 not think you referred to in the list of the
21 conventional costs things like rewards and
22 benefits that might flow to a cardholder like
23 rewards.

24 So just to be clear, would you consider
25 those to be things that should be sitting on

1 the common balance sheet to be allocated or are
2 they things that sit more for the issuer?

3 DR NIELS: I think they are also -- and
4 actually I agree with Mr Dryden. One
5 competitive dynamic there is that those costs
6 or revenues for MIF can be used by issuers to
7 make their product more attractive so indeed
8 offer rewards, etc. That does play part of the
9 overall balancing.

10 But the three categories of costs that
11 I mentioned that have been sort of historically
12 always been referred to indeed they do not
13 include explicitly the rewards, etc, other than
14 of course the interest free period is a -- is
15 an example of a benefit to the -- to the
16 cardholder of credit cards and charge cards,
17 that is then included in the costs as well.

18 MR TIDSWELL: Yes. So do we end up with
19 two categories of costs that fall into
20 consideration; one is costs which are, for the
21 most part, part of the operation of the scheme,
22 in other words necessary in order to make it
23 work, like fraud prevention and I think you
24 would include the interest free period because
25 it has got a -- it sits in there as

1 a fundamental feature of the card, so those are
2 necessary things for the scheme to operate and
3 then you have got other things which might
4 create overall incentives for the benefit of
5 everybody in the scheme, that is the second.

6 Would you be able to separate them
7 conceptually like that or would you say that
8 that is a difficult thing to do?

9 DR NIELS: No, I think conceptually that
10 certainly is an element of -- you know, they
11 are slightly different in nature, so it is
12 useful to maybe in that sense separate them.
13 The actual functioning of the system, the
14 processing, etc, fraud and then the benefits.

15 But in practice there is also a degree of
16 overlap and indeed endogeneity. The scheme can
17 design itself in its own way and for example
18 the payment, the immediate payment offered to
19 merchant, that can be changed and then you
20 get -- again you get different cardholder
21 costs. But I think it is a helpful way of
22 looking at it for sure.

23 MR TIDSWELL: That is helpful. Mr Holt.

24 MR HOLT: Sure. So I think one further
25 point to add, I think, is that the structure

1 that the scheme adopts will be in relation to
2 all sorts of contractual obligations that are
3 respectively imposed on the issuers and the
4 acquirers will of course be adopted by the
5 scheme in order to maximise the success of the
6 scheme.

7 So for instance it may be that it is
8 appropriate under certain circumstances to
9 allocate fraud in a particular way and as the
10 facts suggest more of the fraud liability tends
11 to be applied on the issuers as opposed to on
12 the acquirers and it may well be that there is
13 a good reason for that because in that
14 circumstance maybe issuers have a greater
15 degree of control and ability to effect the
16 outturn level of fraud for instance. So that
17 would be a good reason why the sets of
18 contractual obligations happen to fall as they
19 do because those are interested in the scheme.

20 But of course that is in a first best
21 world whereby you can also determine some of
22 the other rules and one of those being the
23 interchange fee level. In a situation where
24 that opportunity is lost, for instance an
25 intervention to say you cannot have an

1 interchange fee, then I think you have to then
2 re-examine what is the ideal structure in the
3 second best world as to the allocation of some
4 of those costs.

5 So I think that is really just to build
6 upon the points that Dr Niels made as to the
7 sorts of costs that might be relevant in
8 looking at the costs in the cost revenue
9 balance. It is also in the context of what is
10 overall optimal for the scheme.

11 I think the other factor that again
12 I think one really has to come back to is that
13 there are competitive conditions that also are
14 taken into account when thinking about the
15 scheme.

16 So obviously there are some examples which
17 the various expert reports have referred to as
18 to cases where MIFs were either lower or higher
19 as between Visa and Mastercard for certain
20 regulatory reasons and those did lead to
21 significant changes in outcome.

22 So I think one has to, I think, always
23 recognise that competition which of course is
24 not just between the four-party schemes but
25 also with the other payment methods is also

1 a relevant factor and again that comes back
2 down to the debate about both the cost revenue
3 balance that we are talking about here, but
4 also the price sensitivity point. It is
5 largely because cardholders have choices and
6 compete in a market where they can make choices
7 across different payment methods that the
8 schemes have to react to that and if they do
9 not react to that then that is going to have
10 a significant detrimental effect.

11 MR TIDSWELL: Thank you. Dr Frankel, I do
12 not think you state a position, but you are
13 very welcome to comment on anything that has
14 been said.

15 DR FRANKEL: I will try to keep it brief.

16 Visa back in NaBanco, it is true, argued
17 that, as I recall, costs that were incurred by
18 issuers for the benefit of the merchant should
19 be covered by a MIF and they had a methodology
20 and they said it was specific costs and I think
21 they included credit losses in that MIF.

22 Visa then distanced itself from this
23 argument that it was specific costs. Instead
24 they went to this idea of balancing the overall
25 incentives in the system and it was not to

1 cover any particular costs. Mastercard
2 meanwhile had adopted this cost methodology and
3 continued to use it for a while and I think
4 they then backed away from it. So it gets
5 a little confusing, but I would point out just
6 a couple things.

7 These same costs, processing costs,
8 interest free period, fraud losses, credit
9 losses are exactly how they explain why there
10 is a 30% APR on some of the credit card
11 interest rates, right? You do not get
12 an interest free loan on the credit card and it
13 is because of all these identical costs. When
14 you look at the foreign currency fees that are
15 paid by or the foreign transaction fees paid by
16 cardholders they point to the fraud losses and
17 the transactions costs and the like. It is the
18 same costs that are used to justify all these
19 things.

20 MR TIDSWELL: Thank you. Mr Dryden?

21 MR DRYDEN: Yes, this approach of looking
22 at issuer costs, which I think has been called
23 the issuer cost methodology, I mean from my
24 point of view it has no economic underpinnings.
25 It is ad hoc accounting, accounting approach.

1 It is as if we have a pile of costs and we have
2 two jars labelled "Issuer Side" and "Acquiring
3 Side" and someone is exercising judgment about
4 which costs to put in which of the two jars in
5 which proportions.

6 I think even in a version that -- I have
7 not looked at it for quite a long time, but in
8 a version I have seen I think there was a kind
9 of two-thirds/one-third split of the entirety
10 or some category of costs and Dr Niels said it
11 is a matter of judgment and I agree. But
12 I think it almost risks being arbitrary
13 judgment to quite a big extent. I do not see
14 how various experts could be lined up to opine
15 on the right application of the issuer cost
16 methodology because I think it is so judgmental
17 and arbitrary because it does not have economic
18 underpinnings and it has the endogeneity
19 problem that I mentioned before, that the level
20 of these costs in the first place is determined
21 by what the MIFs have been.

22 There was some attempt to deal with
23 history, but it kind of curtailed I think at
24 some point in the '80s or the '90s. What
25 happened in the first decade of this century is

1 that there was an evolution in thinking, which
2 I think took us away the issue of cost
3 methodology as being helpful towards the
4 thinking of Rochet and Tirole, which really
5 established the framework that I have tried to
6 explain a few times this morning, about the
7 idea of a market failure on the acquiring side
8 and the role of the MIF in solving the
9 externality problem, and that is the right way
10 to think about what this level should be and
11 only by coincidence would one get there via
12 thinking about issuer costs.

13 MR TIDSWELL: Just so that I am clear. It
14 follows I think from what you say that if you
15 are not allocating the cost they lie where they
16 fall and on the issuer side that would result
17 presumably in issuers reducing some of the
18 benefits they offer but you would say that is
19 just a function of a competitive market, is
20 that right?

21 MR DRYDEN: If you -- if you allocate yes,
22 I think the short answer to that is essentially
23 yes.

24 Let me just make sure I am understanding
25 correctly. I mean, if the issuer -- if more of

1 the costs fall on the issuer before
2 reallocation of those costs by a MIF and then
3 you do away with the MIF so not only do they
4 fall on the issuer but the issuer ends up
5 bearing them, that will have consequences on
6 the issuing side for the issuer offer. But
7 that is efficient because the issuer offer may
8 have been overly subsidised to an inefficient
9 extent.

10 DR FRANKEL: Can I add one point that may
11 actually help the other side? First of all, as
12 I said before, it is arbitrary to say that
13 a payment system benefits the merchant. It
14 obviously benefits both parties to
15 a transaction, if you have a cost-saving
16 innovation like a card system that helps both
17 sides to the equation. Where I think a MIF
18 would be most defensible is, first of all, the
19 merchant payment type of sale we talked about,
20 I think that is unlikely to be persuasive for
21 me, anyway. Where it might be more persuasive
22 is if there is -- if there are really fraud
23 protection measures that a merchant could
24 undertake that it imposed costs on the issuers,
25 that is the most defensible kind of cost to

1 think of justifying a MIF but, you know,
2 I would first exhaust the possibility that the
3 acquirer already has an incentive to price that
4 kind of risk to the merchant but if for some
5 reason there is a market failure, and merchants
6 are not given an incentive to take into account
7 something that changes the costs of the
8 issuers, or vice versa, it would be the most
9 defensible kind of way to justify some sort of
10 payment, maybe you just have differential
11 scheme fees, you load more of your scheme fees
12 on the merchants that use the bad transaction
13 technology with no net revenue going to the
14 issuer.

15 MR TIDSWELL: Mr Holt.

16 MR HOLT: Firstly I think I agree with the
17 fact that you could obviously use scheme fee
18 variations to achieve some of these mechanisms
19 as I mentioned before. I think I just want to
20 offer what might be a correction, perhaps
21 I misunderstood Mr Dryden, but when accounting
22 for, for example, certain costs under an issuer
23 cost methodology such as fraud costs and then
24 saying some of those could be in a sense
25 allocated because they lead to benefit for

1 merchants there may be a very good reason for
2 that, in other words having the ability to
3 manage the fraud situation and have the cost of
4 that being incurred by an issuer can lead to
5 merchant benefits in the sense that the sale is
6 facilitated, so the merchant gets advantages
7 from the gross margin that they gain on that
8 even though the cost of the fraud has been
9 incurred by the issuer.

10 I do not think that it is correct,
11 however, to say that if you go down a route of
12 saying: well, there might be -- that might be
13 part of the basis for the revenue cost
14 balancing exercise to suggest that that has
15 somehow inefficiently redirected the actual
16 sort of costs associated in the scheme,
17 obviously you are not actually saying: well,
18 now acquirers should be directly responsible
19 for managing and bearing the costs of the risk,
20 that is still levied on the issuers but there
21 is a recognition of the broader effects of
22 that.

23 MR TIDSWELL: So I think that example you
24 gave before for the second category that I put
25 to Dr Niels which is something which tends

1 towards optimisation and greater benefit rather
2 than something that was absolutely necessary;
3 is that the way you were putting it?

4 MR HOLT: In terms of is the contribution
5 made by merchants?

6 MR TIDSWELL: Yes.

7 MR HOLT: In order to support the cost of
8 fraud that the issuers are covering, is that
9 part of the essential nature of the requirement
10 for an interchange fee or is that part of
11 the -- you know, the overall sort of
12 optimisation, i.e. it is commercially and
13 competitively relevant to take into account.
14 In my view, it is that, even if there is
15 a technical distinction as to whether it is
16 necessarily relevant.

17 MR TIDSWELL: Yes, it may be one of those
18 situations hence --

19 DR NIELS: Just one really final point is
20 just to say that I disagree with Mr Dryden that
21 there is no economic rationale for the issuer
22 cost approach to setting MIFs. I have
23 elaborated on that in previous trials in the
24 101(3) discussion but I will not elaborate on
25 that now.

1 MR TIDSWELL: Yes, I think that is helpful
2 and I think we have probably all conducted the
3 conversation on the basis that it is not
4 a 101(3) conversation.

5 THE PRESIDENT: Indeed. Thank you all
6 very much. Obviously we will be seeing you
7 again when you are cross-examined and no doubt
8 we will have other questions then but we are
9 very grateful for the assistance you have
10 rendered in the course of this morning.
11 Dr Niels?

12 DR NIELS: May I just say very quickly
13 obviously your first question on the list is
14 kind of a very important question on bilaterals
15 for the post IFR counterfactual. I would have
16 liked to discuss that as well but I am hoping
17 that I can come back to it in the
18 cross-examination later.

19 THE PRESIDENT: Dr Niels, of course.
20 I mean, this is a process not intended to
21 replace cross-examination but to -- if anything
22 focus it so that counsel can work out just how
23 off-beam the Tribunal is in its understanding
24 of matters and through cross-examination go
25 about correcting it. So it is as much

1 a process of communication this way as that
2 way.

3 So we have been very assisted by your
4 evidence this morning.

5 I hope that you do not need to respond to
6 this that counsel have been assisted by our
7 thinking so that you can either expand or
8 contract your cross-examination or submissions
9 accordingly. We will resume then at 2 o'clock
10 with Mr Hirst, is that the plan?

11 MR BEAL: Sir, yes.

12 THE PRESIDENT: Very good, then 2 o'clock.

13 Thank you all very much.

14 (1.19 pm)

15 (The short adjournment)

16 (2.00 pm)

17 THE PRESIDENT: Good afternoon.

18 MR JACKSON: Mr President, we do not
19 propose to swear Mr Hirst again.

20 THE PRESIDENT: No, he does not need to be
21 sworn again.

22 MR JACKSON: I will just call him to the
23 front and then he can answer Mr Cook's
24 questions. We should say that we have asked
25 him to read his witness statement from the 2016

1 proceedings and also the portion of the
2 transcript from Day 5 but nothing else.

3 THE PRESIDENT: I am very grateful, thank
4 you very much. Welcome back.

5 MR MARK HIRST (recalled)

6 A. Good afternoon.

7 THE PRESIDENT: As you have heard you are
8 still under oath so we are not going to reswear
9 you, but I will hand you over for
10 cross-examination.

11 Further cross-examination by MR COOK

12 MR COOK: Welcome back, Mr Hirst, you gave
13 evidence previously on 21 February. Have you
14 discussed your evidence with anyone since then?

15 A. I have not, no.

16 Q. Now, you submitted a witness statement for
17 this trial which was signed on 26 October 2023, do
18 you remember doing that?

19 A. Yes.

20 Q. On Day 5 for us but on the transcript we
21 have that up as Day 5, page 75, {Day5/75:6} so you
22 were asked a question where in relation to a:

23 "hypothetical scenario where Visa and
24 Mastercard had not imposed interchange fees and
25 instead acquirers could have tried to negotiate

1 interchange freely with issuers ..."

2 Now, in relation to that scenario,
3 you had not addressed that in your original witness
4 statement, had you?

5 A. I do not think so, no.

6 Q. Why not?

7 A. I do not know.

8 Q. When were you first asked about this
9 situation?

10 A. I do not recall.

11 Q. I mean, was it the morning of the trial,
12 morning you gave evidence, several weeks beforehand,
13 months beforehand?

14 A. So the question as it relates to the
15 hypothetical situation?

16 Q. Yes.

17 A. Yes. So I think on the morning of the
18 actual day, right.

19 Q. Okay so it was (inaudible)

20 A. When I took the stand, when I sat here in
21 the witness box.

22 Q. Are you --

23 MR BEAL: Sir, I am sorry to rise, I am
24 sorry, it is not Mr Jackson but it is
25 potentially a delicate issue if this witness is

1 being asked to reveal conversations he had with
2 the counsel team which of course my learned
3 friend well knows are privileged.

4 THE PRESIDENT: I am well aware of that,
5 Mr Beal, I think timing-wise is fine.

6 MR COOK: I understand content is
7 a different matter and I would never stray
8 across that line but I think timing is quite
9 important to know to ask so I am clear on the
10 distinction where I should and should not.

11 THE PRESIDENT: I am keeping an eye on it.
12 Do proceed.

13 MR COOK: Mr Hirst, I ask again: do you
14 recall when this issue was first raised with
15 you?

16 A. I do not know, no.

17 Q. You must have some feeling. Was it the
18 morning of the trial? The morning you gave
19 evidence?

20 A. On the day itself, right, because
21 I answered the question.

22 THE PRESIDENT: So on the day, but you
23 cannot give us the exact minute?

24 A. No.

25 THE PRESIDENT: Grateful.

1 MR COOK: But you think it might have been
2 some time before that, do you?

3 A. No, on the day.

4 Q. So, be clear, do you think it was
5 something that was raised before you at any point
6 before the question was put to you in court?

7 A. No.

8 Q. It was not. Okay... so that was just your
9 immediate instinctive response, not having thought
10 about it?

11 A. Yes.

12 Q. Thank you. Presumably, then, you have not
13 looked back at what you had said in relation to
14 Tesco's position when you gave evidence on behalf of
15 Tesco?

16 A. Well, not -- not before I first appeared,
17 no.

18 Q. Okay. Fine. If we can go to page 72 of
19 the transcript {Day 5/72:18} at line 18 you were
20 asked about your time at Tesco. You were asked
21 about your history, line 18:

22 "Question:Roughly how many years were you
23 at Tesco?

24 "Answer:Ten years at Tesco.

25 "Question:During those years were you in

1 charge of interchange at any point?

2 "Answer:I was indeed, probably for about
3 six or seven of those years."

4 Is that accurate?

5 A. Yes, to the extent, you know, some
6 involvement with interchange, yes, that is right.

7 Q. Well, no, you were asked how many years
8 were you in charge of interchange at that point, was
9 that accurate?

10 A. Yes.

11 Q. Okay, if we could have up on the screen
12 document {RC-M3/1} which is your Tesco witness
13 statement. If we could go to {RC-M3/1/3} of that,
14 I think we have to go back to the previous page,
15 page 2 you deal with your background at that time.

16 Paragraph 5:

17 "My career background is in corporate
18 treasury. Prior to working for Tesco Stores I was a
19 management consultant ..."

20 So you joined Tesco in 2005, you talk
21 about originally holding various roles in the
22 treasury and payment function and initially for the
23 first two years or so you were in internal audit
24 function so you had no involvement in interchange
25 during that internal audit role; that is right?

1 A. Yes, correct.

2 Q. Then you say:

3 "... in December 2007 [you] moved to
4 the group treasury department as US and European
5 Treasurer. I spent 2.5 years in this role reporting
6 to Nick Mourant."

7 So basically one focus was looking at
8 cost lines so you say you were familiar with
9 interchange fees, you certainly were not in charge
10 of interchange fees, were you?

11 A. It depends how you define that. So I get
12 involved in interchange from day one of my move
13 across to the group treasury team, yes.

14 Q. Let us go on to see what you say about
15 that. Paragraph 7 onwards. So you then moved to
16 Asia in September 2010 and then you were there for
17 two and a half years. So then again it was
18 a treasury perspective, you say you had some
19 involvement with Visa Mastercard in relation to Asia
20 and had regular contact with members of the
21 procurement team.

22 So at this point your role again was
23 still very much an indirect one, was it not?

24 A. No, but it still very much involved with
25 interchange, yes.

1 Q. Then you talk at paragraph 8 of having
2 assumed the role of global head of cash banking and
3 payments and you were sort of centralising the
4 roles, Tesco was centralising what was happening in
5 terms of the knowledge in relation to payments
6 generally; is that right?

7 A. Yes, that is correct.

8 Q. Then if we look at paragraph 9 you say
9 there that your reporting lines:

10 "... as Head of Cash, Banking and
11 Payments were to the Group Treasurer and the Group
12 Head of Procurement." then:

13 "Prior to the creation of my new
14 role, similar responsibilities were undertaken by
15 Michael Fletcher."

16 If we go over the page, also
17 previously Nick Mourant had been doing so.

18 So looking at that it appears
19 basically the role of responsibility for interchange
20 within Tesco UK was Mike Fletcher and Nick Mourant
21 prior to your role in 2013; is that right?

22 A. Sorry, rephrase the question please.

23 Q. Looking at that you talk about basically
24 you took over responsibility for interchange in 2013
25 but you talk about Michael Fletcher and Nick Mourant

1 recall that as being a figure of 6 or 7%, is
2 that sort of --

3 A. I was talking here about operating margins
4 which is more about 1.5, 2%.

5 Q. What about gross margin?

6 A. I was talking about operating margins
7 (overspeaking).

8 Q. Okay. What is the correct margin figure?

9 A. I do not know. I cannot recall.

10 Q. In terms of a business like Tesco's
11 probably the most important thing is turnover, is it
12 not? You have got the fixed costs of the shop and
13 you want to try and make sure that you have
14 increased sales in that shop; is that right?

15 A. I am not sure shareholders would agree.

16 Q. You have all of those fixed costs,
17 basically driving more footfall into your shops,
18 more expenditure on balance that is going to be an
19 advantage to the business, is it not?

20 A. What is the point of making all that
21 turnover if you do not make a profit.

22 Q. Actually, you have got more people paying
23 to contribute to those fixed overheads, have you
24 not?

25 A. I do not understand your question, sorry.

1 Q. I suggest to you what is important for
2 a business like Tesco is to make easy for its
3 customers to pay; that is right, is it not?

4 A. I would say for shareholders and employees
5 I think it is important that the business makes
6 a profit.

7 Q. Yes, but in terms of being a competitive
8 marketplace what is critical for Tesco is it make it
9 easier for customers to shop?

10 A. Absolutely, but that is -- yes absolutely,
11 that is a given, right.

12 Q. Yes, and it would essentially be very
13 damaging to the Tesco brand if customers found it
14 difficult to shop there; that would be a gift to
15 Sainsbury's, Asda, would it not?

16 A. I totally agree, yes.

17 Q. Yes. Tesco would not have been happy if
18 customers were being turned away because they could
19 not use a preferred payment instrument?

20 A. Yes, which is correct, which is why
21 I previously talked about "must accept" payment
22 instruments like Visa and Mastercard

23 Q. If we can go to -- bring up again your
24 witness statement from the Tesco proceedings, it is
25 RC-M3 and if we can go there to paragraph 17

1 {RC-M3/1/5} you see what you said then:

2 "It is essential for the Tesco Stores
3 claimants to accept payment by all types of credit
4 and debit card including those issued by Visa,
5 whatever the level of MIF payable in respect of such
6 cards. It would be extremely damaging commercially
7 for the Tesco Stores claimants were they not to make
8 all of the necessary arrangements to enable them to
9 process Visa debit and credit card transactions. I
10 would expect the Tesco Stores claimants to suffer a
11 significant loss of customers if certain types of
12 cards were not accepted."

13 Essentially that is right, that is
14 what Tesco needed to do was make it as easy as
15 possible for customers to pay or it would lose
16 business, would it not?

17 A. I think absolutely but you have no choice,
18 right, when it comes to competition, you know, you
19 cannot not accept cards if Sainsbury's and Asda are
20 accepting cards. The domination of the market
21 was -- you know, overwhelmingly Visa for debit cards
22 and Mastercard for credit cards.

23 Q. Equally you would not want to turn down
24 Barclays credit cards or HSBC credit cards, would
25 you?

1 A. We did not -- we were not able to, right.

2 Q. I am saying you would not have wanted to,
3 would you?

4 A. Why would we differentiate?

5 THE PRESIDENT: What is the distinction
6 between a Barclays and HSBC credit card with
7 a Visa?

8 MR COOK: For those particular banks you
9 would not want to turn down cards that were
10 issued by Barclays, would you?

11 THE PRESIDENT: But, I am sorry, are you
12 not drawing a distinction without a difference?
13 I mean, are you saying that there is a Barclays
14 card which is --

15 MR COOK: Regardless of how it is branded.

16 THE PRESIDENT: Independent of the Visa or
17 Mastercard logo.

18 MR COOK: No, just simply the cards issued
19 by the high street bank, you would not want to
20 turn down a group of high street bank
21 customers, would you?

22 A. We would be indifferent to the issuer so
23 somebody like Barclays would issue potentially Visa
24 or Mastercard or both brands but we would not care
25 as a retailer who the issuer was, whether it was

1 Barclays, Lloyds or anybody else.

2 THE PRESIDENT: Yes, I think the point you
3 are making is that it is the participation in
4 the Visa and/or Mastercard scheme that matters,
5 not who is issuing the card.

6 A. Absolutely, yes.

7 THE PRESIDENT: Yes.

8 A. Absolutely.

9 MR COOK: But I make the point as well
10 that you would not want any group of people who
11 hold Visa or Mastercard customers to be turned
12 away, would you?

13 A. Well, as I said, you know if we have taken
14 the decision to accept both brands then we would
15 regardless of issuer.

16 Q. You do not mention in your Tesco statement
17 any surcharging by Tesco. There was not; Tesco did
18 not surcharge, did it?

19 A. That is in the statement but it is
20 redacted, it is confidential.

21 Q. Sorry, do not tell me what is redacted
22 because I cannot see and I do not want to know about
23 it, but that is more a matter of general knowledge
24 that there was no surcharging by Tesco?

25 MR JACKSON: He has just said that is

1 redacted and confidential.

2 MR COOK: Well, I think I can legitimately
3 ask as a matter of general knowledge whether it
4 is redacted or not but Tesco did not surcharge
5 15 years ago whether it is included in his
6 particular statements or not.

7 THE PRESIDENT: Mr Jackson, you are on
8 your feet, yes.

9 MR JACKSON: I will leave it to you, sir.

10 THE PRESIDENT: I do not think there has
11 been any harm done so far.

12 MR COOK: To be clear, I have not seen the
13 redacted bit of the statement so I do not know
14 what is in the redacted bit. This is just
15 a general question I pose to this witness
16 whether he had said or not Tesco did not as
17 a matter fact surcharge. I cannot imagine that
18 is confidential because everyone would have
19 known.

20 THE PRESIDENT: All right. Mr Hirst,
21 I want you to answer as fully and as frankly as
22 you can, so if there comes a point where you
23 feel that you are in answering the question
24 straying into areas where you feel you would
25 rather have a conversation with me before you

1 answer, let me know. But I am going to leave
2 it to your judgment in the first instance as to
3 how you answer but I anticipate that you will
4 be able to answer most of the questions without
5 reference to confidential material.

6 So, please, try not to, but if you feel
7 that you cannot properly answer a question,
8 without reference to material that is
9 confidential, then we will discuss it, but
10 I think it probably is just creating problems
11 that we do not need to address if you go to say
12 something that you have just said is in
13 a redacted portion, so before we get to that
14 stage, I think I would like you to -- would
15 like to know what the problem is before you
16 answer the question, does that help you?

17 A. Yes, it does. Yes.

18 THE PRESIDENT: Okay. Mr Cook.

19 A. So, no, in general terms the policy would
20 have been not to surcharge in line with other
21 supermarkets in the UK and elsewhere.

22 MR COOK: Again that would just simply
23 have put off customers, would it not?

24 A. Sorry, say that again?

25 Q. That would have just put off customers.

1 A. Yes, as I said previously, it would create
2 enormous friction, yes.

3 Q. If we go to page 7 of your previous
4 witness statement, {RC-M3/1/7} Tesco statement, it is
5 actually page 8, if we go over the page.

6 {RC-M3/1/8} You refer at paragraph 28 of your
7 statement to potential ways that Tesco could try and
8 reduce the level of -- you call it the SAF, that is
9 the service charge, Merchant Service Charge?

10 A. No, sorry, I have to correct that so that
11 means the Scheme Assessment Fee, so that is the fee
12 that goes directly back to Mastercard and Visa -- do
13 you mean MSC, the Merchant Service Charge?

14 Q. I am reading your statement, it says Tesco
15 could try to reduce level of the SAF. I mean that
16 you seem to be talking here about reducing the cost
17 paid by Tesco, are you not?

18 A. No, so if you take it as a whole, so
19 obviously we start with Merchant Service Charge and
20 that breaks down into interchange fee, which was the
21 bulk of Merchant Service Charge. Then it had scheme
22 assessment fees, which went directly to Visa and
23 Mastercard, and then you had the acquirer or the PSP
24 processing margin or processing fee.

25 THE PRESIDENT: What exactly is the scheme

1 assessment fee?

2 A. So a scheme assessment fee is effectively
3 a fee levied by both Mastercard and Visa for
4 a particular card type and this is again when it
5 gets quite opaque because depending on the card
6 type, which you would not know upfront as
7 a merchant, different card types attract different
8 scheme fees and it was always felt that you can
9 never negotiate interchange. The only thing you
10 could really move was the processing margin, if you
11 had significant volume such as Tesco, so you could
12 go to an acquirer like Worldpay or Global Payments
13 and say: I have got all this volume, give me
14 a better processing fee or margin. But you can
15 never -- you can never negotiate interchange, but
16 sometimes there were occasions where actually if you
17 worked with both an acquirer and an issuer, so
18 Barclays back in the day, you could potentially flex
19 down your scheme assessment fees, but again, that
20 was very much dependent on what the acquirer had
21 negotiated with the schemes.

22 THE PRESIDENT: It is probably well known,
23 but I will ask the question. The SAF that is
24 part of the scheme fees that is paid ultimately
25 to the scheme, not to the issuers?

1 A. Correct, yes, correct.

2 MR COOK: Fine. This paragraph after the
3 bit in black I want to ask you about. First
4 you start and say, "When I ran the tender in
5 2013..." and then it is blacked out. It says:

6 "... transactions where the issuer and the
7 acquirer were the same bank were termed 'on-us'
8 transactions. In theory it was possible to
9 agree a lower MIF for 'on-us' transactions with
10 the acquirer. I am not aware of any other
11 situation where this actually occurred
12 in the UK.

13 So even though Tesco was and probably
14 still is the largest merchant in the UK it was
15 not able to persuade an on-us bank to offer you
16 a better deal, is that right?

17 A. Not as far as I am aware, no.

18 Q. Nobody else was able to do that?

19 A. Again, in the UK, not that I am aware of.

20 MR COOK: Thank you. Sir, I have no
21 further questions.

22 THE PRESIDENT: Any re-examination?

23 MR JACKSON: No re-examination.

24 MR KENNELLY: Sir, I have actually, if
25 I may --

1 THE PRESIDENT: Of course, I am so sorry.

2 MR KENNELLY: -- arising out of something
3 surprising that Mr Hirst said at the beginning
4 of his evidence. Very brief, sir.

5 Cross-examination by MR KENNELLY

6 MR KENNELLY: Mr Hirst, can I ask you to
7 look back at the transcript of what you have
8 just said to my learned friend. It is
9 page 120, lines 5 to 12.

10 You were asked about the question in
11 relation to hypothetical scenario where Visa
12 and Mastercard had not imposed interchange
13 fees and there had been negotiation freely with
14 issuers. You were asked:

15 "You have not addressed that in your
16 statement."

17 You said: "I do not think so."

18 Can you then be taken to page 122, lines 1
19 to 8.

20 Mr Cook asked you: "It might have been
21 some time before that" and you said: "not on
22 the day". Then you were asked:

23 "To be clear, do you think it was
24 something that was raised with you at any point
25 before the question was put to you in court?"

1 Do you see that, Mr Hirst?

2 A. Yes, lines 5 to 7.

3 Q. Yes, and you said no?

4 A. Yes.

5 Q. So you are saying that it had not been put
6 to you until you heard it in court?

7 A. I think that is correct.

8 Q. I would like to show you a letter that
9 your solicitors sent to Linklaters. Could this be
10 given to the witness please. This was a copy was
11 sent to the Tribunal yesterday. The Tribunal has
12 this?

13 THE PRESIDENT: We have these.

14 MR KENNELLY: You have the letter already?

15 THE PRESIDENT: We have the letters
16 regarding --

17 MR KENNELLY: It is already in the bundle.
18 I am obliged.

19 THE PRESIDENT: I do not know if it is in
20 the bundle. We certainly have the letters.

21 MR KENNELLY: It is an opportunity for
22 Mr Hirst -- Mr Hirst in all fairness ought to
23 see the letter.

24 THE PRESIDENT: He ought, yes.

25 MR KENNELLY: Thank you.

1 THE PRESIDENT: Mr Hirst, why do you not
2 read those letters and then you will be asked
3 a question.

4 MR KENNELLY: Especially the second
5 paragraph, Mr Hirst. Please read that
6 carefully. The second full paragraph.
7 (Pause).

8 A. Yes, I have read it.

9 Q. So you see here, Mr Hirst, that we were
10 told by your solicitors that you were made aware, in
11 advance, that you would be asked in chief about how
12 you might have responded in a hypothetical situation
13 if the card schemes had not imposed interchange
14 fees?

15 A. Yes, on the day as I said. I think I said
16 on the day, right?

17 Q. No. You said that the first you heard the
18 question, the first you appreciated that the
19 question would be asked was when it was put to you
20 in cross-examination in court?

21 A. Yes, and I said on the day before that.

22 Q. So you were told about it on the day as
23 well before you came into --

24 A. That is when I said I was aware of the
25 question, yes.

1 THE PRESIDENT: Mr Kennelly, I think it
2 was something of a car crash of questions
3 coming from different lines looking at what the
4 witness said at 120 and 121.

5 Certainly the impression I got was that he
6 had had a conversation before entering the
7 witness box about this on the day.

8 MR KENNELLY: Yes.

9 THE PRESIDENT: Unfortunately, we then
10 had, quite rightly, Mr Beal raising the
11 question of privilege and then we had
12 a rerunning of the question and I think at that
13 point a certain degree of confusion set in.
14 I do not think there is any deliberate
15 inconsistency, but let us just put this to bed
16 now.

17 Mr Hirst, you are being asked about this
18 subject before you entered the witness box and
19 before you were asked questions in chief by
20 counsel and what I understand, but correct me
21 if I am wrong, is that you were told before you
22 entered the witness box that this was
23 a question that would be put to you in chief.

24 I do not want you to tell me anything
25 about what was asked but you had a discussion

1 with your legal team to warn you that that
2 question was coming down the line?

3 A. That is correct.

4 THE PRESIDENT: Okay.

5 MR KENNELLY: I am obliged. I have
6 nothing further.

7 THE PRESIDENT: Anything from --

8 MR JACKSON: No.

9 THE PRESIDENT: Mr Hirst, thank you very
10 much for coming back. This time I will release
11 you from the witness box with my thanks. We
12 are very grateful to you, thank you very much.

13 A. Thank you.

14 MR KENNELLY: Mr Beal wants to go first.

15 MR BEAL: No, you go.

16 MR KENNELLY: Mr President, I reflected on
17 the comment you made at the end of the hot-tub
18 about the implications of what we have been
19 hearing for cross-examination and of course
20 I am going to go straight into cross-examining
21 Mr Dryden tomorrow.

22 THE PRESIDENT: Yes.

23 MR KENNELLY: True it is that the
24 discussion, in fact some of the discussion
25 during the trial the witnesses of fact as well

1 as with the experts today has covered matters
2 beyond the scope of this trial 101(3),
3 questions of pass on, but also a new
4 counterfactual covering the possibility that
5 instead of an interchange fee the externality
6 could be cured by a transfer from acquirers to
7 issuers potentially by way of scheme fees and
8 it is not my intention to cross-examine on
9 those issues because from my understanding of
10 the case so far those are not in dispute.

11 We will cross-examine on the issues that
12 are in dispute between ourselves and the
13 claimants on the basis of the witness and
14 factual evidence that has been adduced by them
15 and that is still my intention for the purposes
16 of the expert evidence that we will be hearing
17 for the rest of this trial.

18 THE PRESIDENT: Let me just look at that.
19 I heard it loud and clear. I am just parsing
20 what you said.

21 So far as questions that are out of scope
22 are concerned, 101(3), pass on, the reason
23 I raised the question of pass on with the
24 experts was explicitly to make clear that that
25 was the domain of Trial 2 and it is pleasing to

1 say that the experts did not feel inhibited in
2 their answers by the contingent way in which
3 I opened the hot-tub.

4 Otherwise we might have had an interesting
5 issue for how we crafted the judgment going
6 forward and it is something which we have in
7 mind on this issue as well as the 101(3) point,
8 that we are here concerned not with 101(3) or
9 pass on issues and to the extent that there is,
10 as it were, facts going to issues that are
11 before us but also are relevant to Trial 2 we
12 will have to tread with extraordinary care, so
13 that is a given.

14 Your qualification about the
15 counterfactual is I think rather more difficult
16 because I do not think that any Tribunal, and
17 certainly not this one, is going to consider
18 itself constrained when working out what the
19 appropriate counterfactual is by what is or is
20 not agreed by the experts. I think you will
21 know from what this Tribunal, differently
22 constituted, said in Cardiff Bus where exactly
23 this point was made saying you have got to
24 choose between what the experts are saying; you
25 cannot triangulate between them. Well, that

1 got very short shrift, in my judgment rightly
2 so, because it is not for the experts to
3 dictate the course that the ultimate judgment
4 takes. It is instead to inform it.

5 So I hope that gives you an indication as
6 to what you ought or ought not to cross-examine
7 on in terms of the counterfactual.

8 We will listen to the evidence in the
9 round, we will listen very carefully to the
10 questions that are put and we will conclude
11 what is the appropriate counterfactual on the
12 basis of the totality of the evidence having
13 heard it.

14 MR KENNELLY: Indeed. Indeed, sir. My
15 concern is more one of fairness. One does not
16 want to constrain, one could not constrain
17 the Tribunal exercising its proper judicial
18 function.

19 The problem I have really is that this
20 counterfactual has not been canvassed in the
21 factual or the expert evidence. So while one
22 can speculate and one can ask questions in
23 general terms, I am rather handicapped because
24 had it been pleaded and had it been raised
25 I would have factual evidence dealing with the

1 very interesting questions the President raised
2 about what issuers would have done in bilateral
3 negotiations with a scheme, what acquirers
4 would have done had they been negotiating and
5 developing the kinds of anti-fraud mechanisms
6 that the President raised, we would have
7 factual evidence dealing with those points and
8 they could be tested in cross-examination. The
9 experts, and the experts of the claimants,
10 could also have addressed the implications of
11 that factual evidence in their own reports and
12 we would have a full suite of material which
13 would allow us fairly to address that
14 counterfactual before you.

15 So in asking whether it ought properly be
16 put to the witnesses in cross-examination, the
17 experts in cross-examination, there was
18 a fairness consideration. Because I do not
19 have the material for my own experts from and
20 my factual witnesses that allows me fully and
21 properly to cross-examine the experts on those
22 questions my questions will be necessarily
23 speculative and in circumstances where the
24 claimants had not raised this counterfactual in
25 their positive case, it is not in issue that

1 particular counterfactual is not in issue
2 between us. There is a question then about
3 whether I need to test it in order to seek to
4 refute the case that has been raised by the
5 claimants.

6 I fully accept, sir, in Cardiff Bus it was
7 possible for the Tribunal to come up with
8 a different counterfactual based fairly on the
9 basis of the material before it, factual and
10 expert. But if it is not possible to do that
11 because of the lack of factual evidence and the
12 lack of properly informed expert evidence in
13 reports the situation is quite different and
14 that is why I am in difficulty.

15 THE PRESIDENT: At the end of the day, we
16 have got to decide the issues before us fairly
17 on the basis of the totality of the factual
18 material before us, but of course this is
19 a counterfactual, not a factual question.

20 So, yes, we hear what you say. We will
21 take the view that we take when we write the
22 judgment. Obviously questions of fairness will
23 be paramount. You can take it that to the
24 extent that we have concerns about what the
25 proper counterfactual might be then we will

1 ourselves raise it with the experts, but I do
2 not think you should feel inhibited in asking
3 what the possibilities might be if there was no
4 MIF simply by reference to that which has been
5 pleaded.

6 We are much more interested in testing
7 what the economists say in terms of what their
8 judgment might be as to what might or might not
9 happen and that is of course something which is
10 also informed by the legal structure of the
11 system or the ecosystem that we are talking
12 about and in the end it will be for
13 the Tribunal to synthesise the various
14 different strands of evidence, the legal, the
15 technical and the economic and reach a proper
16 conclusion.

17 So you must take your own course, but I do
18 not think you will receive any push back from
19 the Tribunal if you seek to explore the terrain
20 more widely because the broader the picture
21 that we get the better in terms of our
22 decision-making.

23 If I can make a further point arising out
24 of the experience that I had in Sainsbury's,
25 more is most definitely better than less. We

1 are not assisted by an artificial constraint on
2 the evidence that we hear. We are much more
3 assisted by an appropriately wide-ranging
4 enquiry to enable us to make a correct answer
5 subject of course to this being a fair process.
6 But the fact is we are talking about a fair
7 process in the context of market wide questions
8 and that was the original problem with the
9 three trials back in 2016/2017, where the
10 outcome of the three trials were unfortunately
11 inconsistent because the parties were different
12 in their approach in terms of the evidence that
13 was adduced in each case and that caused
14 enormous difficulties for the first instance
15 Tribunals in each of those trials and that is
16 one of the reasons we have umbrella proceedings
17 today; so that the range of evidence is
18 appropriately broad so that a result that is
19 going to bear the test of time across other
20 similar cases is capable of being achieved.

21 MR KENNELLY: Indeed, sir. I just wish to
22 raise that point having been invited to
23 consider the scope of cross-examination by the
24 President, my point is not a technical one.
25 I hope the Tribunal can see it is something

1 more serious, more profound because obviously
2 the Tribunal has a lot of evidence before it
3 but if that evidence is lacking in a material
4 respect, which would allow the fair resolution
5 of the issues that is obviously something that
6 the Tribunal will take very seriously.

7 THE PRESIDENT: Well, indeed. You can
8 take it that if we are seeing the
9 counterfactual world in a particular way that
10 is something that we will be flagging with you.

11 MR KENNELLY: Sir, in view of the time and
12 the discussions I have had with my learned
13 friends, could we start at 10 o'clock tomorrow.
14 I have not explored this with my learned
15 friends but I just want to ensure that because
16 we know we have a hard stop for Mr Dryden, that
17 is a reason why it might be advisable to begin
18 at 10 tomorrow.

19 MR BEAL: Mr Dryden is not here now. If
20 we can get a message to him of course that is
21 not a problem, I cannot anticipate it being
22 a problem, and certainly we have trespassed on
23 this Tribunal's latitude. It is not for me to
24 say, no, you should not sit early. It is very
25 much for you, sir.

1 THE PRESIDENT: What is the hard deadline?

2 MR KENNELLY: There is no hard deadline in
3 a strict sense. The idea was that Mr Dryden
4 would finish before the weekend so he would not
5 be in purdah. If he has to go into purdah for
6 an expert that is normally less serious, but we
7 seek to avoid that.

8 THE PRESIDENT: That is helpful. Let me
9 make clear two things, first of all, we place
10 a lot of weight rightly on the exploration of
11 the issues orally. It is very helpful so we do
12 not want anyone inappropriately to be cut back.

13 Equally, whilst we are very sensible of
14 the burdens of purdah over the weekend we are
15 significantly more relaxed about lifting it in
16 the case of experts than we are in the case of
17 factual witnesses. For the protection of the
18 witnesses it is probably best that they stay
19 in purdah, but if anyone is wishing to raise
20 the question of lifting it for whatever reason
21 we will be amenable to hearing that provided
22 that the expert knows exactly where they stand
23 and we can make that clear to them.

24 But we are very conscious that experts in
25 cases such as this, as in most cases, fulfil

1 two roles: they have their evidence giving
2 function and of course they also have their
3 advisory function in assisting the team who is
4 calling them to prepare for cross-examination
5 of the other experts and we are not insensible
6 to that need, so we will certainly be receptive
7 to applications to lift the purdah if that is
8 appropriate.

9 MR KENNELLY: I am grateful. I have
10 nothing further.

11 MR BEAL: Sir. I am sorry to rise.

12 May I just come back briefly on the point
13 Mr Kennelly made. As I said in opening, the
14 submission we make to this Tribunal is that the
15 counterfactual is a multifactorial evaluation.
16 It is a mixed question of fact and law and it
17 is for the Tribunal so I am not seeking to
18 withdraw from that position.

19 It was suggested I think that somehow it
20 was my case that scheme fees could cover the
21 distance.

22 Our pleaded case on counterfactual for the
23 post IFR period for consumer debit and
24 intra-EEA credit and debit is that it is
25 default settlement at par. My understanding is

1 default settlement at par is agreed to be the
2 counterfactual for commercial and
3 interregional. That of course does not tie
4 the Tribunal's hands but we are not suggesting
5 there is another counterfactual out there for
6 any of those periods.

7 So our submission whether it is right or
8 wrong has the benefit of consistency if nothing
9 more. But I just wanted to put that marker
10 down clearly as to what our pleaded case is so
11 that there is no misunderstandings about what
12 we are trying to do or what we are trying to
13 say.

14 THE PRESIDENT: Thank you. Well, we will
15 start at 10 o'clock tomorrow subject to expert
16 availability.

17 I am reminded, but it will not be
18 a problem, I have an 8 am hearing tomorrow but
19 I will make sure it ends before 10 o'clock. It
20 probably is doing everyone a favour that I have
21 a 10 o'clock start.

22 MR KENNELLY: We are very sorry for you,
23 sir.

24 THE PRESIDENT: Well, just pity the
25 advocates. 10 o'clock tomorrow morning and

1 I particularly welcome that, so thank you very
2 much.

3 (2.43 pm)

4 (The hearing was adjourned until 10 o'clock
5 on Thursday, 7 March 2024)

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