1	mechanism and therefore should be banned.	1	do, and again I don't think there's anything in issue
2	The conclusion of the case, it was more likely than	2	here really, it is going through the process, and it is
3	not that the payment system required a form of balancing	3	to assist the Tribunal as to the costs that you have
4	payment, interchange, but that the participants in such	4	taken into account.
5	an arrangement could not do so without setting the	5	If we could go to page 2499. This is at internal
6	interchange with reference to cost.	6	page 2, 2499:
7	So every time you wanted to revisit on a periodical	7	"MasterCard commissioned a study to review the
8	basis the interchange in the market to ensure it was	8	relevant cost structures (Reading to the words)
9	correct, there would be a requirement to undertake	9	interchange costs. The primary objective of this study
10	a cost study.	10	is to gather sufficient data to be able to calculate
11	So from Edgar Dunn's perspective that is where our	11	statistically representative interchange costs for
12	methodology originated from. We looked at if there is	12	domestic pay later transaction in the UK market."
13	an imbalance in the card payment system, it must because	13	So that is basically the background and purpose of
14	there is probably something on the issuing side that is	14	the study, to calculate a statistically representative
15	of value to the acquiring side. We tried to quantify	15	interchange cost?
16	those; we came up with the methodology we currently	16	A. Yes.
17	apply.	17	Q. Then if we go over the page, we see again, we will
18	Whenever this methodology was applied in the given	18	come onto this in a bit more detail later on because you
19	market we believe, and we strongly advised our clients,	19	deal with it the study was conducted according to
20	that it would be wise to apply this periodically to	20	MasterCard's global methodology:
21	update the numbers to ensure you were in line with the	21	"The methodology measures the cost associated with
22	market. Because there would be things that are changed,	22	key activities undertaken by credit and charge card
23	such as interest rates in the market, so the cost of	23	issuers that relate to providing a payment guarantee to
24	funds, the bad debt, the fraud, these things need to be	24	the merchants and funding and completing the
25	updated periodically to ensure you are in line with what	25	transaction. The costs measured are associated
	21		23
1	happens.	1	with"
2	Q. The last point you just made, which seems to be a very	2	Then these are our famous friends:
3	valid point, why is it that the last Edgar Dunn cost	3	"Losses resulting from fraud and credit risk;
4	study is 2008? Why hasn't there been an update?	4	non-reimbursed funding costs; operating costs incurred
5	A. That was because of the European Commission case and the	5	for risk management and transaction completion."
6	OFT at that stage basically stating that they did not	6	Those are the ones we see time and time again, for
7	believe the application of the methodology was correct	7	example, in the Commission's 2007 decision.
8	anymore, and therefore MasterCard deemed that it would	8	A. Yes, correct.
9	be there was no value in undertaking a cost study	9	Q. If one then goes over the page, I think this is 2502.
10	that would be rejected immediately.	10	Can I call it internal page 4?
11	Q. And that's the reason you didn't do a further one?	11	MR HOSKINS: 2501.
12	A. Yes.	12	MR BREALEY: It is 2501. Okay. So this is the sample size.
13	Q. But had they not intervened, you would have advised your	13	So this is the representative sample.
14	clients strongly to update the cost studies?	14	If I can just go to the first two paragraphs and
15	A. Yes. That would have been very nice for us as well.	15	then the last paragraph:
16	Q. If I was doing a calculation for an interchange fee	16	"So the overall objective of the sample selection
17	today, I would not be relying on this cost study	17	was to achieve a representative sample of issuers across
18	because, as you say, interest rates change and all that	18	which to measure the interchange costs. As with every
19	sort of stuff?	19	sampling exercise, this involves a trade-off between the
20	A. I would agree.	20	additional cost of collecting information from a larger
21	Q. In fact, it would be rather foolish to calculate	21	sample and the improvement in accuracy of the results

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Then:

an interchange fee based on this cost study?

So let's go to this cost study, and what I want to

A. Yes, I think it is outdated.

Q. Yes, thank you.

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that could be obtained from an increasing sample size."

"Given the cost of collecting relevant information

from issuers was unrelated to the size of the

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1 1 So in reference to this, the 70% was a minimum ...(Reading to the words)... was focused on the largest 2 issues in order to limit the overall number of 2 requirement. We have tried always where we could to go 3 3 participants, while ensuring that the sample included higher than that -a significant proportion of the transactional volume in 4 4 Q. Pausing there. 70% was sufficient for a robust study? 5 5 the market." A. Well, for the purposes of the Commission. But you 6 So there you are concentrating on the largest issues 6 should compare that to markets such as -- I will take 7 7 a small market, Norway. Norway is predominantly small and transactional volume, correct? 8 A. As part of the selection for the study, ves. 8 independent savings banks, and you have 400 savings 9 Q. Then you go on, I will just ask you about this: 9 banks for a country of 5.5 million people. It is 10 10 "In other regulatory environments, MasterCard has clearly totally impossible to undertake a cost study of 11 aimed to measure a majority of transactions in the 11 400 savings banks. 12 market to provide a statistically valid sample. For 12 What we would do was to segment in strategies the 13 example, MasterCard Europe has agreed with the European 13 size of the banks and then pick over -- I believe we had 14 Commission that a representative sample for undertaking 14 four segments, and we picked representative sample banks 15 15 a cost study in a given market would be achieved if the in each and then pro rata'd their cost structure to 16 participating banks would account for at least 70% of 16 represent over 70% of the market. 17 17 the transaction volume in the market. Q. Just pausing there. You look at table 1. There is 18 Edgar Dunn & Company has applied the same rationale for 18 seven is there? There is seven. They are the issuing 19 the selection of participants in the UK market." 19 banks. I mean, they seem quite large to me. Clearly in 20 20 Could you just assist. What was this agreement with the UK, even at that time, you had other banks. You 21 the Commission that a statistically representative 21 had, from memory, Clydesdale Bank, the Co-operative 22 sample would comprise MasterCard participating banks 22 Bank, Coutts, Yorkshire, the building societies, 23 that accounted for at least 70% of the transaction 23 Bradford & Bingely, Alliance & Leicester, we can go on. 24 24 volume? Where did that agreement come from? Why pick those big seven and exclude the smaller 2.5 A. That goes back many years ago. That was when we 25 ones? 25 27

started, I think it was the 2004 cost study, cross-border cost study, and the Commission, as I understand it, was in discussions with both the major schemes, Visa and MasterCard, about how they collected their data, what the sample sizes were and whether it was representative or not.

They put two requirements in place. One was a minimum sample size that would cover a certain percentage of the market. And the second was that the study process should be audited and that they should be supplied with an audit report on it to ensure that the application of the methodology and the process indeed came back with fair and reasonable results.

We did not change any of our process in applying and complying with this, and in our case Deloittes audited the cross-border studies. And when you see the reports linked to the 2005 and the 2008 studies, what we did was we actually were commissioned by MasterCard to do cross-border studies and for a select number of markets to do a domestic study at the same time.

To do a domestic study at the same time we had a much more specific domestic information data collection set that enabled us to calculate at a more detailed level what happened in the specific domestic market.

A. We are seeking representative samples of transactional activity. That's what the Commission asked us to do and that's how we chose the sample.

So as you can see, this was over 90% of all the domestic transactions in the UK. That would be, in all instances I have come across, deemed to be a very representative sample.

- Q. So picking the largest you thought was a representative sample?
- 10 A. Yes.

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Q. If you go to page 7, as with many studies you have to check the quality of the data. So as I understand it, you are telling the reader, me and the Tribunal and the others -- and this is, for example, the last line on page 7 -- that you draw on your extensive experience in payment service and utilised statistical methods basically to validate the quality of the data.

Can you assist the Tribunal how you go about ensuring that the quality of the data is achieved?

- A. Yes
- Q. But why is that? Is that because of some sort of self selection bias? The issuers here know the reason that they are giving the data, I guess. They know that it is going to go and form the basis of an interchange fee?

A. You could argue that. In our case I think it is just as

1	much if we are going to put our name on a study you want	1	that and the other can you just shock these areas
2	to make sure that that data is correct. We are not just	2	that and the other, can you just check these areas because there seems to be something that looks odd,
3	going to accept what people tell us.	3	either too low, too high, whatever it might be.
4	Q. Right.	4	They then looked at our in detail we submitted
5	A. So we have several levels of analysis to undertake. The	5	the cost model to them and they had some Excel auditors
6	first is that we ensure that the data sources they use	6	actually run through it in detail to make sure there
7	for costs are linked to their internal cost mechanisms.	7	weren't any wrong links or anything that was going on.
8	So they are cost centre reports; the P&L basically for	8	So it was a very hands-on detailed audit process
9	the organisation. And we know where the data came from.	9	developed for the benefit of the Commission. We never
10	The second is we then ask for a whole range of	10	saw the report. It was submitted to MasterCard and
11	activity numbers around that. So we might ask for, or	11	I believe then submitted to the Commission together with
12	we would ask for the number of applications received,	12	our study.
13	the number of those that have been approved, the number	13	Q. I see, thank you.
14	of cards issued in a given year of which how many were	14	Now, I would like to go to the categories of cost,
15	new cards, how many were replacement cards, in terms	15	which is clearly important in this case. And I just
16	just they expired and renewed, and how many were ad hoc	16	need to ask a few questions on these types of cost.
17	renewals.	17	I would like to go to first of all, if we just
18	And by looking at what we call performance	18	Taking it in stages, 2506, which is internal page 9.
19	statistics around the bank, we would be able to see	19	And I'm actually going to go to page 12 ultimately, but
20	outliers.	20	we will get the feel of what's going on at internal
21	So if we saw a bank, for example, that had very low	21	page 9, 2506.
22	customer recruitment cost, we would be looking for	22	From the total costs collected, the costs were
23	a reason for that. And we would be trying to understand	23	allocated into cost component categories associated with
24	whether it was operational, whether it was they ran some	24	providing issuing services.
25	kind of very successful recruitment programme that could	25	Then you have table 2 where we have our famous
	29		31
1	explain that low cost there, and if they did that that	1	friends, the credit write-offs, collection department,
2	was all right.	2	fraud losses, fraud investigation department, funding
3	Q. So you are looking for outliers, are you?	3	costs, processing costs. We are going to come onto
4	A. We are looking for outliers as well as understanding the	4	those in more detail in a moment.
5	organisational structure of them. You know, how big is	5	Then over the page, again we see table 3:
6	the department they're running and how many applications	6	"These cost components"
7	are they running through it. Do they outsource, and if	7	Again, the famous friends:
8	they're outsourcing does that look as if it's expected	8	"Actual credit write-offs, collection department,
9	to be in that cost range for that volume of business	9	fraud losses, fraud investigation, funding costs."
10	that they are outsourcing.	10	Then:
11	Q. I see. Even after that, drawing on your expertise, as	11	"Transaction costs", number 6, is split into 12
12	I understand it you get the cost study audited by, or	12	subcategories. Yes?
13	you did, by Ernst & Young; is that right?	13	A. Yes.
14	A. As I said, this was the EC Commission that requested	14	Q. I know it is a long time ago
15	that the study should be audited. It was a complete	15	A. No, no.
16			
	independent process.	16	Q. You are probably well aware of it. Then over the page
17	independent process. I think Deloittes no, it was Ernst & Young, you	16 17	Q. You are probably well aware of it. Then over the page to internal page 10, 2508
17 18			
	I think Deloittes no, it was Ernst & Young, you	17	to internal page 10, 2508
18	I think Deloittes no, it was Ernst & Young, you are absolutely right. Ernst & Young told us we	17 18	to internal page 10, 2508 MR JUSTICE BARLING: Page 11, actually.
18 19	I think Deloittes no, it was Ernst & Young, you are absolutely right. Ernst & Young told us we informed them: here is the study, here is the scope of	17 18 19	to internal page 10, 2508 MR JUSTICE BARLING: Page 11, actually. MR BREALEY: Is it? I will blame Mr Spitz. It is internal
18 19 20	I think Deloittes no, it was Ernst & Young, you are absolutely right. Ernst & Young told us we informed them: here is the study, here is the scope of it. They then told us what they wanted to do in terms	17 18 19 20	to internal page 10, 2508 MR JUSTICE BARLING: Page 11, actually. MR BREALEY: Is it? I will blame Mr Spitz. It is internal page 10. No, 11, sorry.
18 19 20 21	I think Deloittes no, it was Ernst & Young, you are absolutely right. Ernst & Young told us we informed them: here is the study, here is the scope of it. They then told us what they wanted to do in terms to audit the study. So they looked at our	17 18 19 20 21	to internal page 10, 2508 MR JUSTICE BARLING: Page 11, actually. MR BREALEY: Is it? I will blame Mr Spitz. It is internal page 10. No, 11, sorry. The internal paragraph:
18 19 20 21 22	I think Deloittes no, it was Ernst & Young, you are absolutely right. Ernst & Young told us we informed them: here is the study, here is the scope of it. They then told us what they wanted to do in terms to audit the study. So they looked at our questionnaires, the models we built, they participated	17 18 19 20 21 22	to internal page 10, 2508 MR JUSTICE BARLING: Page 11, actually. MR BREALEY: Is it? I will blame Mr Spitz. It is internal page 10. No, 11, sorry. The internal paragraph: "The cost analyses with the model are conducted on

1	element applied"?	1	tables 2 and 3, or in the summary table, or probably
2	A. Because the question has been asked before. What if you	2	both, I suppose in the EDC report?
3	expect in the next two years we are going to see	3	MR BREALEY: Yes. So the figures I'm going to get the
4	a downward trend in funding costs, for example? Why	4	numbers right
5	wouldn't you build that in?	5	MR JUSTICE BARLING: The figures in 8.1 and 8.2.
6	Q. Yes.	6	MR BREALEY: Yes, we are going to go through that in
7	A. The reason that we have always preferred to take purely	7	a moment.
8	historical data is in the hypothetical case that you	8	The figures in the table on page 12 we shall see
9	predicted wrongly, that a development might happen on	9	will reflect the figures in table 8.1.
10	interest rates or bad debt or something, let's assume	10	MR JUSTICE BARLING: Right, thank you.
11	that we predicted too low an interest rate and it was in	11	MR BREALEY: These are confidential so I won't read them
12	fact higher, what do you then do the next time period	12	out, but if you compare 8.1, credit write-offs, and we
13	you are doing a cost study? Do you ignore that? Do you	13	are looking at 2008 not 2005, so if you have a finger
14	try to recover the under recovery? You end up	14	under credit write-offs, the percentages is almost it
15	potentially in a purposing effect, and therefore we just	15	is rounded up. Collections department again is the same
16	went on purely historical data. And as long as it is	16	figure. So we are looking at the 2008 study, total
17	updated in a reasonable time period, that's probably the	17	fraud costs.
18	best you can do.	18	In table 8.1 that figure is the combination of the
19	Q. Thank you.	19	total fraud costs and the fraud investigation
20	So then we go to internal page 12, which is a table.	20	department. So that is why it is then, you get the
21	What I would also like you to do, please, we are going	21	total direct risk control, and then you have the
22	to have a look at that table, but also could you go to	22	funding.
23	bundle D2.1, tab 3, page 550 and 551.	23	So if you look at table 8.1, the funding costs for
24	If we put that to one side, but I will be coming to	24	2008, the figure is almost identical, except that (iii)
25	that in a moment. Just so you know, all these figures	25	has gone right at the end because you have rounded down.
	33		35
1	are agreed. It is essentially, just to let you know,	1	Then the processing costs, if you go all the way down,
2	CEG is Sainsbury's expert in this case. It is table 8.1	2	so you have got those I think those ten
3	and 8.2 we will be looking at, but the figures come	3	subcategories. You end up with a figure in table 8.1
4	from we see the source, table 8.1, Dr Niels' first	4	which is equivalent to that subtotal processing.
5	expert report.	5	How it goes is this table 5.1 of Dr Niels' and
6	A. Yes.	6	table 8.1 of Mr von Hinten-Reed's. But the figures are
7	Q. You've probably met Dr Niels. He is the expert for	7	the same. That's the kind of (Pause)
8	MasterCard.	8	I think you can put D2.1 away now if you want to.
9	Table 5.1. Essentially if you go to table 5.1 and	9	It is important to know the relevance of this to the
10	5.2, all that CEG is doing is replicating Dr Niels'	10	experts. So, again, these figures are in blue: We have
11	figures. But these figures, you will see, are very	11	actual credit write-offs and we get a definition of that
12	3		
	similar, if not identical to the figures in this 2008		
13	similar, if not identical to the figures in this 2008 cost study report.	12	on internal page 16. So actual credit write-off, net of
13 14	cost study report.	12 13	on internal page 16. So actual credit write-off, net of recoveries.
14	cost study report. Now, we have, just to be careful, table 8.1,	12 13 14	on internal page 16. So actual credit write-off, net of recoveries. So this says:
14 15	cost study report. Now, we have, just to be careful, table 8.1, MasterCard would prefer to keep confidential. So that	12 13 14 15	on internal page 16. So actual credit write-off, net of recoveries. So this says: "The cost category relates to actual net credit
14	cost study report. Now, we have, just to be careful, table 8.1, MasterCard would prefer to keep confidential. So that is the reason they are in blue. But the figures in	12 13 14	on internal page 16. So actual credit write-off, net of recoveries. So this says: "The cost category relates to actual net credit write-offs of balances on accounts considered to be
14 15 16	cost study report. Now, we have, just to be careful, table 8.1, MasterCard would prefer to keep confidential. So that is the reason they are in blue. But the figures in table 8.2 are not confidential because essentially they	12 13 14 15 16	on internal page 16. So actual credit write-off, net of recoveries. So this says: "The cost category relates to actual net credit write-offs of balances on accounts considered to be uncollectable during the year. The average cost of
14 15 16 17 18	cost study report. Now, we have, just to be careful, table 8.1, MasterCard would prefer to keep confidential. So that is the reason they are in blue. But the figures in table 8.2 are not confidential because essentially they are aggregated, yes?	12 13 14 15 16 17	on internal page 16. So actual credit write-off, net of recoveries. So this says: "The cost category relates to actual net credit write-offs of balances on accounts considered to be uncollectable during the year. The average cost of actual credit write-offs is"
14 15 16 17 18 19	cost study report. Now, we have, just to be careful, table 8.1, MasterCard would prefer to keep confidential. So that is the reason they are in blue. But the figures in table 8.2 are not confidential because essentially they are aggregated, yes? A. Yes. They look similar.	12 13 14 15 16 17 18	on internal page 16. So actual credit write-off, net of recoveries. So this says: "The cost category relates to actual net credit write-offs of balances on accounts considered to be uncollectable during the year. The average cost of actual credit write-offs is" Then we blue that out.
14 15 16 17 18	cost study report. Now, we have, just to be careful, table 8.1, MasterCard would prefer to keep confidential. So that is the reason they are in blue. But the figures in table 8.2 are not confidential because essentially they are aggregated, yes? A. Yes. They look similar. Q. I want to go through the categories of cost, and going	12 13 14 15 16 17	on internal page 16. So actual credit write-off, net of recoveries. So this says: "The cost category relates to actual net credit write-offs of balances on accounts considered to be uncollectable during the year. The average cost of actual credit write-offs is"
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14 15 16 17 18 19 20 21	cost study report. Now, we have, just to be careful, table 8.1, MasterCard would prefer to keep confidential. So that is the reason they are in blue. But the figures in table 8.2 are not confidential because essentially they are aggregated, yes? A. Yes. They look similar. Q. I want to go through the categories of cost, and going	12 13 14 15 16 17 18 19 20 21	on internal page 16. So actual credit write-off, net of recoveries. So this says: "The cost category relates to actual net credit write-offs of balances on accounts considered to be uncollectable during the year. The average cost of actual credit write-offs is" Then we blue that out. Can you explain in a little bit more detail what
14 15 16 17 18 19 20 21	cost study report. Now, we have, just to be careful, table 8.1, MasterCard would prefer to keep confidential. So that is the reason they are in blue. But the figures in table 8.2 are not confidential because essentially they are aggregated, yes? A. Yes. They look similar. Q. I want to go through the categories of cost, and going back to your report, so the 2007, what we need to do is keep a finger in internal page 12 and internal page 16.	12 13 14 15 16 17 18 19 20 21	on internal page 16. So actual credit write-off, net of recoveries. So this says: "The cost category relates to actual net credit write-offs of balances on accounts considered to be uncollectable during the year. The average cost of actual credit write-offs is" Then we blue that out. Can you explain in a little bit more detail what "actual credit write-offs" mean to the Tribunal? A. When a customer initially goes bad, as it is termed in
14 15 16 17 18 19 20 21 22	cost study report. Now, we have, just to be careful, table 8.1, MasterCard would prefer to keep confidential. So that is the reason they are in blue. But the figures in table 8.2 are not confidential because essentially they are aggregated, yes? A. Yes. They look similar. Q. I want to go through the categories of cost, and going back to your report, so the 2007, what we need to do is keep a finger in internal page 12 and internal page 16. Internal page 16	12 13 14 15 16 17 18 19 20 21 22 23	on internal page 16. So actual credit write-off, net of recoveries. So this says: "The cost category relates to actual net credit write-offs of balances on accounts considered to be uncollectable during the year. The average cost of actual credit write-offs is" Then we blue that out. Can you explain in a little bit more detail what "actual credit write-offs" mean to the Tribunal? A. When a customer initially goes bad, as it is termed in the industry, you have a front end collection process,

1 and try to just convince them to make payments in 1 A. I think they are consumer credit regulations. They are 2 accordance with the agreement. That's called front 2 part of the credit licence regulations and banking 3 office. 3 regulations, I believe. 4 4 MR JUSTICE BARLING: Maybe take a break in the next five or Then you have the back office collection team who 5 5 are typically people three cycles over get transferred 10 minutes, whenever it is convenient, just so the 6 to, and that is when you start doing actual collection 6 transcript writers can have a rest. It is up to you 7 7 cases. And they are regulations enforced in the UK as when. 8 to how long you can have an account sitting in the back 8 MR BREALEY: Yes. If I have got, say, 10 minutes --9 office collection process before writing it off if you 9 MR JUSTICE BARLING: Sure. 10 don't make any progress on collecting on it. 10 MR BREALEY: Then I can finish. Not finish, but finish 11 So you can have a voluntary repayment agreement with 11 Mr Sidenius 1 and then I have got to go on to Mr Sidenius 2. 12 the customer, in which case it doesn't get written off; 12 13 it is actually a worked account. But if it is one where 13 MR JUSTICE BARLING: Right. That's probably a natural --14 you have made no progress, you will have to, after 14 MR BREALEY: A natural break and I will try and hurry this 15 15 a certain time period, write it off and it goes into the up a bit. 16 P&L as an written off account. You do not have to stop 16 MR JUSTICE BARLING: Don't feel you have to. 17 working. You can have an unexpected recovery, which is 17 MR BREALEY: That is the actual credit write-offs. 18 why we net those off from the actual bad debt that's 18 If we go back to internal page 12, page 5081. So we 19 been collected. 19 have done actual write-offs. Now we have collections 20 20 Now, the UK is one of the more developed markets. department. That's the next one on the list. Again, if 21 There are certain, for example, Eastern European 21 we go back to internal page 16. I'm going to flip to 22 markets, there's no guidelines as to when do you have to 22 and fro in these pages. 23 write an account off. And therefore, these figures can 23 The collections: 24 24 "Collections relate to the cost of monitoring and be quite difficult to determine. The UK is very clear. 2.5 Q. Let's be clear on that, then. If I kind of buy, I don't 25 managing the collection of outstanding and past due card 37 39 1 know, a mobile phone for £100 on a credit card, and 1 receivables [ie debts] ... (Reading to the words)... telephone calls to cardholders whose payments are past 2 2 I don't pay it off at the beginning, so I start paying 3 interest, and let's assume I pay £10 interest, but then 3 due, the amortisation of equipment and systems used 4 I default. Do you write off the £100, or the £90? 4 solely by the department, or the relevant portion of 5 5 A. From memory, I -- this is a long time since I have shared equipment and other related costs. The cost 6 6 looked at it so I will stand corrected if I'm wrong on category does not, however, include head office and 7 this. But from memory, I do not believe you are allowed other corporate level costs allocated to the collections 8 to record interest payments as bad debt. 8 department." 9 9 Up to the point where the account went into -- I'm Is there anything you can add to that to assist the 10 trying to recall it. I think up to the time when the 10 Tribunal as to what is meant by collections, or do you 11 account goes into collections, the interest can accrue 11 think that is a fair summary? 12 to the account. Once it is in collections, you can no 12 A. I think it is a fair summary. It is basically once an account goes into default, then -- and that 13 13 longer have interest charged or written off to it. 14 delinquency -- I should probably use as a term rather 14 But I will stand corrected on that. I really cannot 15 recall off the top of my head what the rules are in the 15 than default. Once it becomes delinquent, so payments 16 UK. I could find out if that helps. 16 have ceased to happen on the account, then you start 17 Q. You may have to assist MasterCard on that at some point, 17 working it. You send either reminders, nowadays emails. 18 but you can't remember whether --18 telephone people, not at 6 o'clock because that has been 19 19 A. The data we collected was in compliance with the UK banned now, but you try to contact them politely to make 20 regulations as to what could be written off or not 20 them make a payment. And as I said, if it then

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continues, there's no progression in getting any

then you start initiating legal proceedings.

park total fraud costs and fraud investigation

payments on the account then it goes to back office and

Q. So that is the collections department. Then can we just

credit --

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written off in your accounts. These are the audited

MR JUSTICE BARLING: Just remind me, these regulations, are

they accounting or banking regulations or just consumer

accounts by the participants in the studies.

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1	department and go to the funding cost, which is on	1	say, revolve, but as a rule of thumb going around the
2	internal page 2, (ii). The funding costs. Yes?	2	world. And if I do a portfolio evaluation and I look at
3	That is defined on internal page 16.	3	the convenience users, as we call them, I expect them to
4	Again, funding costs:	4	be about two-thirds of the accounts and I start asking
5	"These are non-reimbursed funding costs represented	5	questions if they are not. And for outstanding balances
6	by interest expenses the issuer incurs to fund the	6	if I see much less than two-thirds revolving, then
7	cardholder receivables from the time of posting to	7	there's something to question on the valuation of that
8	cardholder account or cleared funds settlement with the	8	portfolio as well.
9	acquirer, if this is earlier, until payment is received	9	MR BREALEY: I think I'm just about to go on to the second
10	from the cardholder or interest begins to accrue if the	10	witness statement, so maybe that is a
11	cardholder revolves the account (Reading to the	11	MR JUSTICE BARLING: We will take a short break now.
12	words) sixty days."	12	MR BREALEY: Thank you.
13	Is there anything you can add to that definition as	13	A. Thank you.
14	to what funding costs would amount to?	14	MR JUSTICE BARLING: Thank you very much.
15	A. They are there are those balances that do not	15	Mr Sidenius, have a wander round by all means, but
16	generate any interest income for the issuer. So	16	don't talk to anyone.
17	a revolving account generally. If you post a new	17	(3.08 pm)
18	transaction to the account that revolves from day one,	18	(A short break)
19	it accrues interest. So the costs of that are not	19	(3.20 pm)
20	covered, the revolving outstandings are not included in	20	MR BREALEY: Mr Sidenius, I'm moving slightly out of my
21	this amount either. And the rule of thumb if you go	21	depth here because we are going into economics, but can
22	around Europe is that, sort of two-thirds, 60%, 70%,	22	we just again my Lord, you may have been handed that.
23	80%, 75% are revolving balances, and the remainders, so	23	I'm going to take the witness through this document.
24	the minority of outstanding balances, are not incurring	24	MR JUSTICE BARLING: Right. Thank you.
25	any interest income for the issuer and would be the free	25	MR BREALEY: It puts as best we can what Mr Sidenius says in
	41		43
1	funding period costs that we measure here. And they	1	his second statement.
2	support approximately two-thirds, 60%, two-thirds of	2	MR JUSTICE BARLING: Right.
3	accounts.	3	MR BREALEY: Just to kind of flag where we are going to put
4	MR JUSTICE BARLING: Sorry, I'm not quite sure does all	4	that pie chart in context, have you still got your first
5	that mean that the funding cost here is the free	5	statement open?
6	A. Purely the free period, that only some of the customers	6	A. I do, yes.
7	benefit from. But the vast majority of customers.	7	Q. At paragraph 5 onwards for a few paragraphs, you refer
8	MR JUSTICE BARLING: Yes.	8	to the cost study methodologies. You refer to, for
9	A. So as I said, about	9	example, paragraph 6, that you have used two main
10	MR JUSTICE BARLING: Sorry, why do only some benefit?	10	methods for assessing interchange costs associated with
11	A. Because those that are paying interest will be charged	11	payment cards. The proxy method, we could say, is the
12	interest from day one on transactions as well.	12	issuer's cost methodology?
13	MR JUSTICE BARLING: I see. If you have been revolving, you	13	A. Yes. That's your terminology.
14	have got a revolved debt on your card, you don't get the	14	Q. And the Baxter methodology you say is based on a
15	28-day, or whatever it is, free period?	15	proxy, whereas the Baxter-style methodology is now used
16	A. No.	16	to measure debit cards and the Baxter methodology
17	MR JUSTICE BARLING: I follow. Only those who are	17	involves the measurement of the end-to-end costs
18	A. Full payers.	18	involved in a payment card transaction.
19	MR JUSTICE BARLING: Who pay off get that free period.	19	So it is looking at end-to-end costs, issuers and
20	A. That is correct.	20	acquirers. And you say that you have applied the proxy

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MR JUSTICE BARLING: I see. I hadn't appreciated that.

MR BREALEY: Is it not the case that two-thirds of credit

A. No. Balances, yes. Only about one-third of account

holders revolve. Probably in the UK 35% to 40%, I would

card users are revolvers?

method, ie the issuer's cost, to credit cards. Can you

Q. But then you flagged in paragraph 10 of your statement

say correct or not, because a nod --

A. Sorry, a nod doesn't work. Correct.

that you have:

1 "... applied our proxy method in payment card cost 1 benchmark the proxy methodology against, we decided 2 studies for many years. However, during the course of 2 that, well, if we were to apply the Baxter methodology, 3 3 the OFT investigation into MasterCard's pay later which is to say let's measure the end-to-end cost, let's 4 interchange fees in the UK, we did carry out a mini and 4 try and get a measure of demand, and by using revealed 5 5 maxi Baxter-style analysis of credit card costs. willingness to pay, which is the pricing that exists in 6 "The end result," you say, "was close to the 6 the market, we cannot prove, and we never intended to 7 7 existing UK domestic pay later fees in place." prove, and we also -- I had several discussions with 8 8 So that was paragraph 10. economists -- it is near on impossible to prove optimal 9 Just before we go on and flesh some of that out, you 9 output. But we could certainly prove for this point in 10 are aware, of course, that the OFT and the European 10 the demand curve whether the distribution of costs 11 Commission have not found favour with the Baxter 11 reflected what the proxy methodology came up with, and 12 methodology? There is quite some considerable debate in 12 that's what we intended to do. 13 both? 13 Q. Okay. Well, let's just then go to your second 14 A. The way that we use the Baxter methodology, in our view, 14 statement, which is at tab 8. We will need to go also 15 15 and I am aware that they have preferred to use the to -- that E bundle can go away. I think they have been 16 merchant indifference test finally, but they have been 16 put in E3.13, which is the annexes to your second 17 17 using different methodologies. They used what we call statement. E3.13. As I understand it, it is tab 261. 18 the proxy methodology, the issuer as a reference, as you 18 So the recent documents are more or less at the back. 19 have also referred to before in the Visa ruling. 19 We can go and have a look at a few -- so it is E3.13, 20 20 Q. The Visa exemption decision? tab 261, which is your mini Baxter, as I understand it. 21 A. The Visa exemption, sorry. We felt, if anything, that 21 A. Yes. 22 was a form of endorsement of the analysis we had done. 22 Q. We are going to have the pie chart in front of us. If 23 23 The Baxter analysis they perhaps don't agree in the same I just explain, if I'm looking at the pie chart, if 24 24 I just explain what this is trying to do. So as 25 2.5 Q. Yes. So we have paragraph 10, and then, as it may have I understand it, Mr Sidenius, your second statement came 45 47 1 been explained to you, we were talking about interest 1 about because of a question by Mr Justice Barling which 2 and the European Commission in its decision and the 2 related to interest payments. Are you aware? Was that explained to you? 3 General Court saying that you had to take interest into 3 4 account when you are looking at proxy or the issuer cost 4 A. Yes, it was explained that a question on that had arisen 5 5 methodology. So you are aware of that issue, yes? and had we ever done any work that looked at the revenue 6 A. That wasn't the driving cause for the analysis we did 6 side. 7 7 here Q. Correct. If you look at the footnote of the first page 8 Q. No? 8 of this, this is the passage that we have seen a few 9 9 times in these proceedings now from the General Court. A. The question we were trying to answer was the proxy 10 methodology, as we referred to it, which was developed, 10 So I'm looking at the pie chart thing, where the 11 as I said, as an outcome of the NaBANCO case where we 11 court says: 12 had to have a cost base reference for making decisions 12 "As the Commission has pointed out, in essence it is 13 on interchange. And as I said, we looked at what would 13 sufficient to note that it is based [that is the second be fair and reasonable to say is of benefit to the 14 assumption] on a partial presentation of the issuing and 14 15 15 acquirer that they can provide to the merchant that acquiring business taking into account only the costs 16 indicates why they are willing to pay this amount that's 16 borne by the issuing bank and omitting the revenues for 17 needed in a four-party system. 17 other economic advantages they obtained from their card 18 But the question that came was: well, how do you 18 issuing business, notwithstanding the latter's 19 19 importance." know that that is reasonable relative to the economic 20 theory? And the economic theory, having been written up 20 One way of looking at this -- and we would say 21 by William Baxter, who actually was with the Department 21 that's clearly what the Commission had in mind because 22 of Justice during the original NaBANCO case, and so he 22 it rejected the Baxter analysis of willingness to pay --

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took five years to write up his economic theory --

A. Possibly. But when we then looked at what could we

Q. He must be a very disappointed man, yes.

is that, and you will see this from the front page, you

have got to take the issuer's revenues into account by

netting off. Do you understand what I'm talking about

1	there?	1	the left-hand side there is a figure? As I understand
2	A. Mmm.	2	it, Mr Sidenius don't read it out because, as
3	Q. Again, Sarah Love is responsible for these pie charts,	3	I understand it, MasterCard regards it as confidential.
4	not me. But the reference to pie comes from	4	Do you see that you could be wrong on that one-third
5	Professor Beath, which is where we got the idea from.	5	figure?
6	PROFESSOR JOHN BEATH: Statistically they are called pie	6	A. I would think that whoever provided this slide has got
7	charts.	7	his title wrong.
8	MR BREALEY: So the issuer's costs pie. So these are the	8	Q. Right.
9	costs that we have been talking about: funding costs,	9	A. I absolutely would reflect it for balances, not for
10	the fraud costs, collections department, processing. So	10	consumers, cardholders.
11	that is the pie of the issuer's costs.	11	Q. So, whatever
12	Then we have the issuer's revenues pie, and so you	12	A. If it said two-thirds of all credit card balances are
13	have net interest, income, about three-quarters,	13	revolving, I would agree.
14	interchange. This comes from a MasterCard slide; we	14	MR JUSTICE BARLING: So you are distinguishing balances from
15	have given the source there. Yes? Again, certainly as	15	consumers, from customers?
16	far as the MasterCard slide is concerned, we haven't	16	A. Yes, from users of transactional services.
17	challenged it.	17	MR BREALEY: Now, as I understand it, when we go to your
18	Would you accept that if you were to take the whole	18	second witness statement so if we can flip forward,
19	of the interest that is paid to banks, which is in the	19	back to tab 262.
20	region of about £8 billion, that is another slide that	20	A. Yes.
21	you have seen there, 8 billion would you say that	21	MR BREALEY: The exercise that you have done in this
22	they would exceed the issuer's costs of providing	22	MR JUSTICE BARLING: Sorry, while you are looking for the
23	the credit?	23	place there, I just want to be absolutely sure what you
24	A. Providing the credit?	24	are saying, all users of transactional services. How do
25	Q. Look at the issuer's pie there. And then you compare	25	you distinguish those again from credit card customers?
23	2. Look at the issuer 3 pie there. This their you compare		you distinguish those again nom a out out a dasterners.
	49		51
1		1	
1 2	that to the interest payments and other economic	1 2	A. I was looking at the slide as I was closing it.
	that to the interest payments and other economic advantages. I would suggest to you it is plain as	1 2 3	A. I was looking at the slide as I was closing it. I noticed that they had interest bearing, pay down
2	that to the interest payments and other economic advantages. I would suggest to you it is plain as a pikestaff that the revenue that the banks receive in	2	A. I was looking at the slide as I was closing it. I noticed that they had interest bearing, pay down customers and then they had pure revolvers. If they had
2	that to the interest payments and other economic advantages. I would suggest to you it is plain as a pikestaff that the revenue that the banks receive in interest payments and other card fees far exceeds the	2	A. I was looking at the slide as I was closing it. I noticed that they had interest bearing, pay down customers and then they had pure revolvers. If they had done that analysis over a full year, it is not
2 3 4	that to the interest payments and other economic advantages. I would suggest to you it is plain as a pikestaff that the revenue that the banks receive in	2 3 4	A. I was looking at the slide as I was closing it. I noticed that they had interest bearing, pay down customers and then they had pure revolvers. If they had
2 3 4 5 6	that to the interest payments and other economic advantages. I would suggest to you it is plain as a pikestaff that the revenue that the banks receive in interest payments and other card fees far exceeds the costs that they incur, funding costs, processing costs fraud costs.	2 3 4 5	A. I was looking at the slide as I was closing it. I noticed that they had interest bearing, pay down customers and then they had pure revolvers. If they had done that analysis over a full year, it is not impossible that that chart could be correct. So I grant you that.
2 3 4 5 6 7	that to the interest payments and other economic advantages. I would suggest to you it is plain as a pikestaff that the revenue that the banks receive in interest payments and other card fees far exceeds the costs that they incur, funding costs, processing costs fraud costs. A. The costs the revenues would exceed the costs,	2 3 4 5 6	A. I was looking at the slide as I was closing it. I noticed that they had interest bearing, pay down customers and then they had pure revolvers. If they had done that analysis over a full year, it is not impossible that that chart could be correct. So I grant you that. At any given time, when you ask who are paying
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a few times now, and it is at page 5315. Do you see on

25

customers to cross-subsidise the transactional activity

1	of the others.	1	ultimately you are coming up with an interchange fee
2	You may take the view that that's an inherent	2	which you say is broadly similar to the proxy method.
3	product feature. You may also perhaps argue that if you	3	It is essentially what is happening here, correct?
4	had a lend business that transferred the loan balance	4	A. Yes.
5	into a separate account apart from the transactional	5	Q. So the first step is that you have got to create the
6	account, you would have pure transactional cost to	6	pie, but here you don't just create the issuer's cost
7	support in the other business. You, of course, have	7	pie, you have an issuer's and acquirer's cost pie. And
8	less collection cost and less bad debt, but that would	8	one sees on page 5561, internal page 11, the ingredient,
9	be equivalent to a charge card, which you see in	9	if I can put it that way, of the issuer's part, which is
10	a number of European markets.	10	far more than the three types of, or the costs
11	MR JUSTICE BARLING: Thank you.	11	A. Yes.
12	MR BREALEY: So if we can go back to did I say 262? 261,	12	Q. Then we also add into the mix this is page internal
13	which is your	13	page 12, 5562 acquirer's cost. This is going into
14	A. Yes.	14	the pie, and one of the acquirer's costs you will see
15	Q. Which is not the draft one. This is the mini one.	15	there is the merchant service charge, which is the
16	These were prepared these are quite old	16	interchange fee.
17	in 2002. These were prepared for the OFT proceedings,	17	A. No. That's not an acquirer cost.
18	as I understand it?	18	Q. Sorry. I beg your pardon. The merchant service. We
19	A. That was correct. The mini Baxter we had a timeline	19	come onto the interchange fee. You are absolutely
20	to submit the data and that's why we undertook the mini	20	right, in the revenues part.
21	Baxter, because we could complete that in time by having	21	So the issuer's and acquirer's cost pie, we have the
22	a small sample on the issuing side. And post the	22	acquirer's cost on page 12; is that right?
23	submission, we prepared the maxi Baxter which had	23	A. Yes.
24	a bigger issuer sample, more representative, and	24	Q. The merchant recruitment, authorisation processing,
25	submitted that to MEPUK. And as I understand, they	25	merchant servicing. So that is how we get the pie.
	53		55
1	autorithed it them to the OFT for information of towards	1	The state is a state of a second formation the
1	submitted it then to the OFT for information afterwards.	1	Then, I was jumping ahead of myself, we have the issuer's and acquirer's revenue pie.
2	And I do believe the OFT refer to it.	2	ISSUELS AND ACQUITEES LEVENUE DIE
3		2	
4	Q. They actually refer to you as well	3	A. Correct.
4	A. I was there, I know.	4	A. Correct.Q. We get that from page 15. So the issuing costs, that is
5	A. I was there, I know. Q. I don't need to go to it, but it is E1, tab 3A,	4 5	A. Correct.Q. We get that from page 15. So the issuing costs, that is the first bullet point, is the card fees, interest
5 6	A. I was there, I know.Q. I don't need to go to it, but it is E1, tab 3A, page 250A.003 for the Tribunal's note, footnote 745.	4 5 6	A. Correct.Q. We get that from page 15. So the issuing costs, that is the first bullet point, is the card fees, interest revenues, late fees, over limit fees, other revenues,
5 6 7	 A. I was there, I know. Q. I don't need to go to it, but it is E1, tab 3A, page 250A.003 for the Tribunal's note, footnote 745. You seem to have answered a question or given evidence. 	4 5 6 7	 A. Correct. Q. We get that from page 15. So the issuing costs, that is the first bullet point, is the card fees, interest revenues, late fees, over limit fees, other revenues, correct?
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1	Q. Sensitive?	1	something pence is again that you were referring to just
2	A. No, consolidated. Quite	2	then?
3	Q. Aggregated?	3	MR BREALEY: Yes. If you take our pie chart first
4	A. Well, no, there were about three players who had a very	4	MR JUSTICE BARLING: Am I looking at the pie chart or the
5	significant market size, and if they backed their own	5	Baxter analysis?
6	revenues out of the analysis then we would be signalling	6	MR BREALEY: If I take my Lord to the pie chart first. So 3
7	basically. So that is why we just purely put the splits	7	"Acquirer share to pay". So the percentage times
8	down.	8	MR JUSTICE BARLING: I was following the Baxter analysis,
9	Q. You would appreciate for someone who is trying to	9	sorry, rather than your handout.
10	replicate it, whereas the cost pie we can see the pence,	10	MR BREALEY: I see. So in the Baxter analysis if you look
11	we don't actually know what the actual size of the	11	at page 16, after "determining the optimal multilateral
12	revenue pie is. We get your percentages, but we don't	12	interchange fee", we see "full service approach", the
13	actually know what the ingredients are.	13	MIF equals
14	A. I regret to say that was on legal advice.	14	MR JUSTICE BARLING: That.
15	Q. Right. But you are where you are?	15	MR BREALEY: the pence. Now, that pence, just so that
16	A. Yes.	16	you if you go back to page 12.
17	Q. But it is very difficult to replicate, you would agree	17	MR JUSTICE BARLING: Yes.
18	with that.	18	MR BREALEY: Where it says "total payment system costs".
19	Then the third stage is slice the cost pie into the	19	MR JUSTICE BARLING: Yes.
20	revenue ratios. This is at page 14, as I understand it.	20	MR BREALEY: Is 2
21	So at the bottom, you say:	21	MR JUSTICE BARLING: Yes, I see it. That is the same as MIF
22	"Given that both issuing and acquiring are highly	22	there?
23	competitive, the proportion of revenues contributed by	23	MR BREALEY: Yes. Then you have your percentage. Then you
24	cardholders and merchants has been assumed to be a good	24	are going to minus the costs so you are now going to
25	estimate of the relative margin of willingness to pay."	25	take away the total acquiring cost at page 12 again.
	57		59
1	This is a buzzword that comes in. You are trying to	1	MR JUSTICE BARLING: I get it now. Now that I realise you
2	work out what is the relevant marginal willingness to	2	were actually looking, when questioning Mr Sidenius, at
3	pay, correct?	3	the handout rather than the that's fine.
4	"For both approaches the marginal willingness to pay	4	MR BREALEY: So the step forward, subtract the acquirer's
5	was determined by the average issuing and acquiring	5	costs. And then at 5, divide by the average transaction
6	revenues, excluding interchange revenues and costs of	6	size. Then you get the MIF at the end.
7	issuing and acquiring respectively."	7	MR JUSTICE BARLING: Yes.
8	So that is the third stage: slice the cost pie in	8	MR SMITH: Mr Brealey, when one is talking about cost of
9	the revenues ratio, correct?	9	funds, that is the cost to the bank of advancing all of
10	A. That is correct.	10	the credit to the cardholder market?
11	Q. You say, and we set out what you have said underneath	11	MR BREALEY: I think that is correct.
12	the first point which is:	12	A. That is correct.
13	"The proportion of revenues contributed by	13	MR BREALEY: It is a much bigger cost pie. Yes.
14	cardholders and merchants has been assumed to be a good	14	MR SMITH: So we see that it is on the second page, issues
15	estimate of the relative marginal willingness to pay."	15	cost funds I don't know if I should say it but the
16	Essentially you are taking the percentages and what	16	figure is there in dark blue on the first issuer's and
17	you are saying is that's a proxy for the willingness	17	acquirer's cost pie. But it is not present on the one
18	to pay?	18	on the first page, the issuer's cost pie, where the only
19	A. Yes, or the demand.	19	funding costs are the costs of the credit-free period.
20	Q. Demand, yes. I don't know whether this is confidential	20	Would that be right?
21	now, but you end up with a certain pence.	21	MR BREALEY: So Mr Sidenius, maybe you could help.
22	A. Yes.	22	A. The first pie, although it references different
23	Q. Then the fourth step is to subtract the acquirer's	23	materials, that's taken from the previous proxy
24	COSTS	24	methodology. This is only the free period funding
25	MR JUSTICE BARLING: Sorry, can you just tell me where that	25	that's included in that number.
	58		60

MR SMITH: So under the label "Funding costs".

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Τ	MR SMITH: So under the label Funding costs.	Τ.	measure a link between a MIF and any efficiency gains?
2	A. Yes.	2	A. No, we couldn't do that. As I said, you cannot measure
3	MR JUSTICE BARLING: That's only the free period?	3	just easily what the optimal output would be. Socially
4	A. Under pie 1, that is correct. And on page 3 the funding	4	optimal.
5	cost includes extended and free period.	5	Q. So it wasn't an article 101(3) analysis?
6	MR JUSTICE BARLING: On pie 3.	6	A. I don't believe so. I'm not sure what article 101(3) is
7	A. On pie 3, yes. Actually, pie 1, the second one	7	specifically. So I believe it is about
8	MR SMITH: Yes, on page 2. We need to number our pies,	8	Q. It is about efficiencies and benefiting
9	I think.	9	A. Yes.
10	MR JUSTICE BARLING: So pie 3 includes the total cost of	10	MR BREALEY: I have got no further questions. Thank you
11	credit; is that right?	11	very much, Mr Sidenius.
12	A. Yes, outstanding balances.	12	Questions by THE TRIBUNAL
13	MR SMITH: As you say, it is a much higher figure. That's	13	MR JUSTICE BARLING: Just one question.
14	what I was expecting.	14	MR SMITH: Sorry, Mr Sidenius, just looking at the figures
15	MR BREALEY: Are you happy, my Lord?	15	on pages 11 and 12, where do they come from?
16	MR JUSTICE BARLING: Sorry, just remind me, Mr Sidenius, in	16	A. We designed an end-to-end activity base costing
17	pie 3, the acquirer's share of that total cost that you	17	methodology which followed a life cycle approach to
18	see in percentage terms, what does that	18	managing the relationship on both the issuing and
19	A. It represents and this is it is an interpretation	19	acquiring side.
20	of Baxter's theory where he says you take the marginal	20	So if we went through the issuing side, it would be
21	cost on both sides and add them up on the marginal	21	the first step is account recruitment, so it would
22	transaction. Then you look at the marginal demand and	22	include any marketing, specific marketing to get
23	you can get the split of who should carry how much of	23	accounts, you score the accounts, you decide whether you
24	the cost to socially optimise the output.	24	want to offer the client a card, if you do so you create
25	And apologies, I'm not an economist, so please	25	their account on the master record.
	61		63
1	correct me if I get it slightly wrong. So what we did	1	The second stage is issue a card to them. Then
2	was we are not working on marginal costs, but we work on	2	there is an authorisation process because hopefully they
3	aggregate cost in the market. We are looking at the	3	start using it. Then you have clearing and settlement,
4	whole issuing side and the whole acquiring side, and	4	which comes the transaction comes in and out, also
5	then we look at the revenue split as a proxy for the	5	called interchange in many areas. So that is a bit
6	demand knowing that we are not proving optimal output	6	confusing. Then you have cardholder billing. Then
7	because that is virtually impossible. I think most	7	after that, cardholder service, because the bills result
8	economists that I have discussed it with have said that	8	in people calling the cardholder centres.
9	is an incredibly hard burden to try and prove.	9	After that we have collections, payments that come
10	But we are using the revealed willingness to pay as	10	in. Then we have collections after that; that's for
11	a point on the demand curve, that says accepting this is	11	those who don't use the payments function. Then we have
12	a point on the demand curve, we end up with this type of	12	fraud, also referred to as those customers we never knew

a point on the demand curve, we end up with this type of 12 split. And what we have come out with is, you know 13 what, it is not a million miles from what we have with 14 our proxy methodology. So insofar as you accept that 15 the market is competitive and has worked til now, it 16 17 seems to be reasonable what we have done. And that was the objective for doing the study. 18 So we are not trying to be socially optimal, we're 19 not trying -- we are just trying to see does the proxy 20

methodology actually replicate if you try to do a Baxter

accepts the Baxter methodology or not, that's what we

MR BREALEY: So you didn't set out with this methodology to

methodology on it. Regardless of whether the OFT

fraud, also referred to as those customers we never knew we had. Then finally, we have the overhead function of the business. So that is the whole activity where people are engaged in the function.

measure a link between a MIF and any efficiency gains?

And then you have indirect costs. They are only indirect insofar as there is no activity that drives them, but you have to have them to run the business. So they are funding costs, write-offs, scheme membership, and stuff like that.

So we use this activity-based method to go out and collect costs from the participants in the study, again using the same data quality measures. We went back to the P&L, we used their activity-based costing models to refer to allocations of cost. Then we built our quality

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set out to do.

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1	control models that looked at performance ratios and	1	you should not surpass this cost on average of your
2	stuff like that.	2	transactions.
3	MR SMITH: Taking cost of funds, that would then be derived	3	But it was not what went into the market
4	from the accounting documents of the sample you were	4	necessarily, and insofar as it didn't go into the
5	looking at?	5	market, it is, if anything, an indication that there are
6	A. Absolutely.	6	competitive pressures from one or other side of the
7	MR JUSTICE BARLING: Mr Sidenius, going back to when we were	7	payment activity who are managing to keep it below
8	looking at the 2008, I think it was, report that you	8	a measured cost level.
9	prepared for MasterCard or for the Commission, or both,	9	But that is if you accept the proxy methodology, and
10	you said that it was necessary to do fairly regular	10	I accept that there are some regulators that wouldn't.
11	updates of costing of that sort because they did	11	And I also accept that OFT didn't accept our Baxter
12	fluctuate over time.	12	methodology of proving there was a social optimal
13	Are you able to sort of give us an indication you	13	outcome of what we did. But as I said, that wasn't what
14	may not be able to of where you would expect to see,	14	we were trying to prove.
15	which particular heads of costs you would see most	15	MR JUSTICE BARLING: Thank you very much.
16	likely to reflect some changes and others that would be	16	PROFESSOR JOHN BEATH: I don't have any questions.
17	less likely to?	17	Re-examination by MR HOSKINS
18	A. In the proxy methodology depending on the economic cycle	18	MR HOSKINS: I would like to take you back to the first part
19	we would see cost of funds vary quite considerably, and	19	of your evidence, and you talked about how different
20	we can all remember the horrible times in the early 90s	20	size banks could have different levels of costs, and you
21	when they were very, very high going down to	21	gave Norway as an example with that.
22	exceptionally low levels now, but also bad debt which	22	A. Yes.
23	doesn't necessarily have to follow the cost of funds.	23	Q. If it is possible to generalise, are costs for small
24	It could be like now, very cost of funds but we had some	24	banks generally higher or lower than for large banks?
25	very high bad debts recently.	25	A. Generally they are higher. They are less sufficient.
	65		67
1	We would see those change over time. Many of the	1	MR HOSKINS: No further questions.
2	others, fraud varies because the fraudsters change their	2	MR JUSTICE BARLING: Thank you very much, Mr Sidenius.
3	methods all the time, so sometimes they go up. Then you	3	A. Thank you.
4	have a counter measure, they go down again. So they	4	(The witness withdrew)
5	cycle a bit. And then the processing charges generally,	5	MR JUSTICE BARLING: There we are. Is that it for now?
6	we would see efficiencies of scale come in and also	6	MR BREALEY: Yes.
7	process efficiency come in to see them lower.	7	MR JUSTICE BARLING: Where shall we put the helpful pie
8	The two others, the cost of funds and the bad debt,	8	charts? We haven't got a sort of addendum bundle, have
9	would change quite considerably. We have throughout the	9	we?
10	time of us doing studies, the measured proxy methodology	10	MR HOSKINS: You can put it behind his second witness
11	results vary from the upper range, which is the number	11	statement.
12	that we had looked at here, to ranges that have been at	12	MR JUSTICE BARLING: Okay, we will do that, behind tab 8.
13	about 50% or 45% of that previously.	13	MR HOSKINS: Just to confirm, we are not going to see you
14	MR JUSTICE BARLING: Over what sort of period.	14	for a while.
15	A. That would be back in the sort of early mid-1990s,	15	MR JUSTICE BARLING: Yes, just remind me. We are not seeing
16	I would guess, that we were looking at that before we	16	you tomorrow, and then we are not seeing you until
17	had the first real	17	MR HOSKINS: It is 2 pm Thursday next week.

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MR JUSTICE BARLING: It is rather a long time, isn't it?

evidence first, but that can be confirmed.

MR BREALEY: I can confirm that he is.

at 2 o'clock.

MR BREALEY: Yes.

MR HOSKINS: I presume it's Mr von Hinten-Reed who's giving

MR JUSTICE BARLING: So we will resume again next Thursday

MR JUSTICE BARLING: And with Mr von Hinten-Reed. And

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what period?

MR JUSTICE BARLING: But they would increase by 50% over

A. This was over, like, eight years, nine years they went

for example, that was kicking in very severely here.

And also the methodology, and I think there is some

relevance in the observation that we measure what we

recommended was a cap. Based on our proxy methodology,

up that much. But that was, as you could see, bad debt,

1	I suppose I will ask you just for the sake of anyone in	1	Mr Reynolds is quite likely to be in the witness box on
2	court who is thinking of coming, we are presumably	2	Monday at some point and to continue into Tuesday, do
3	likely to spend at least some of the time but I don't	3	you think?
4	know whether we are in camera, are we, or	4	MR COOK: It is entirely a question of when Mr Hoskins
5	MR HOSKINS: I haven't looked at my notes to see how many	5	finishes with Mr von Hinten-Reed.
6	blue bits are in it because I did my notes and then	6	MR HOSKINS: Having discussed it, we're sort of two, two and
7	someone put blue bits on it. I haven't focused on it,	7	a half days for both of them.
8	I apologise. I'm not able to say a week in advance.	8	MR JUSTICE BARLING: I hope that gives people some idea
9	MR JUSTICE BARLING: What is your feeling in terms of how	9	anyway. There may well be some of both those witnesses
10	much if any	10	that will be heard in camera, but not by all means all.
11	MR HOSKINS: Let me speak to Mr Leith because he's looked at	11	MR HOSKINS: Correct.
12	how much confidentiality there is in the questions.	12	MR JUSTICE BARLING: Right. See you whenever it is.
13	MR COOK: While Mr Hoskins is doing that, in relation to	13	(4.07 pm)
14	Mr Reynolds, who deals with interest points and	14	(The court adjourned until 2.00 pm on
15	consequently considers a lot of Sainsbury's data, as	15	Thursday, 18th February 2016)
16	matters presently stand, that is, unfortunately, all	16	,
17	going to be in camera.	17	
18	Having read again through his witness statements, or	18	
19	his expert reports, this morning, I have very strong	19	
20	concerns about the way in which Sainsbury's has chosen	20	
21	to say that very large sections of this are	21	
22	confidential. For example, sections with kinds of	22	
23	economic theories on this, which have been blocked out	23	
24	as confidential.	24	
25	It doesn't seem to me that those are ones that are	25	
23	it doesn't seem to me that those are ones that are	23	
	69		71
1	legitimately confidential, and I was going to engage	1	INDEX
1 2	legitimately confidential, and I was going to engage with the other side after this to try to see if those	1 2	INDEX PAGE
1 2 3	legitimately confidential, and I was going to engage with the other side after this to try to see if those could be narrowed down. I understand if there are	2	PAGE
2	with the other side after this to try to see if those could be narrowed down. I understand if there are	2	PAGE Housekeeping1
2	with the other side after this to try to see if those could be narrowed down. I understand if there are particular numbers, that those are ones that should be	2 3 4	PAGE Housekeeping1 MR PETER KELVIN SIDENIUS (affirmed)13
2 3 4	with the other side after this to try to see if those could be narrowed down. I understand if there are particular numbers, that those are ones that should be kept confidential, and if it is only individual numbers,	2 3 4 5	PAGE Housekeeping1 MR PETER KELVIN SIDENIUS (affirmed)13 Examination-in-chief by MR HOSKINS13
2 3 4 5	with the other side after this to try to see if those could be narrowed down. I understand if there are particular numbers, that those are ones that should be kept confidential, and if it is only individual numbers, as we have been doing today, it should be possible for	2 3 4 5 6	PAGE Housekeeping1 MR PETER KELVIN SIDENIUS (affirmed)13 Examination-in-chief by MR HOSKINS13 Cross-examination by MR BREALEY14
2 3 4 5 6	with the other side after this to try to see if those could be narrowed down. I understand if there are particular numbers, that those are ones that should be kept confidential, and if it is only individual numbers,	2 3 4 5 6 7	PAGE Housekeeping1 MR PETER KELVIN SIDENIUS (affirmed)13 Examination-in-chief by MR HOSKINS13 Cross-examination by MR BREALEY14 Questions by THE TRIBUNAL63
2 3 4 5 6 7	with the other side after this to try to see if those could be narrowed down. I understand if there are particular numbers, that those are ones that should be kept confidential, and if it is only individual numbers, as we have been doing today, it should be possible for me to cross-examine without needing to say: that says	2 3 4 5 6 7 8	PAGE Housekeeping1 MR PETER KELVIN SIDENIUS (affirmed)13 Examination-in-chief by MR HOSKINS13 Cross-examination by MR BREALEY14
2 3 4 5 6 7 8	with the other side after this to try to see if those could be narrowed down. I understand if there are particular numbers, that those are ones that should be kept confidential, and if it is only individual numbers, as we have been doing today, it should be possible for me to cross-examine without needing to say: that says 98, because we don't need to be asking questions about the specific numbers.	2 3 4 5 6 7 8	PAGE Housekeeping1 MR PETER KELVIN SIDENIUS (affirmed)13 Examination-in-chief by MR HOSKINS13 Cross-examination by MR BREALEY14 Questions by THE TRIBUNAL63
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