

**Before the
Federal Communications Commission
Washington, D.C. 20554**

In the Matter of)	
)	
Cellular Telephone & Internet Association's)	WT Docket No. 05-194
Petition for Declaratory Ruling Regarding)	
Early Termination Fees in Wireless Service)	
Contracts)	

**WRITTEN TESTIMONY OF PATRICK W. PEARLMAN
ON BEHALF OF NASUCA
EN BANC HEARING, JUNE 12, 2008**

**ATTACHMENT 3
(EXCERPTS OF TESTIMONY OF LEE L. SELWYN IN *AYYAD v. SPRINT*)**

2 IN THE SUPERIOR COURT OF THE STATE OF CALIFORNIA
3 IN AND FOR THE COUNTY OF ALAMEDA
4 BEFORE THE HONORABLE BONNIE SABRAW, JUDGE
5 DEPARTMENT 22
6 ---000---

7 RAMZY AYYAD, et al.,
8 Plaintiffs,
9 vs. Case No. RG03-121510
10 SPRINT SPECTRUM, L.P.,
11 Defendant. /

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16 REPORTER'S TRANSCRIPT OF PROCEEDINGS
17 COUNTY ADMINISTRATION BUILDING
18 THURSDAY, MAY 22, 2008

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Certified Shorthand Reporter No. 6631

1 APPEARANCES:

2 For the Plaintiffs:

SCOTT A. BURSOR,
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5 For the Defendant:

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Attorney at Law

6

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Attorney at Law

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* * *

1 MR. BURSOR: Your Honor, there's going to be another
2 break at some point; is that right?

3 THE COURT: Yes.

4 MR. BURSOR: I may not need the computer until then.
5 It doesn't seem to be lighting up. But maybe we can break
6 take a break when I get to that.

7 THE COURT: Okay. we'll see if we can get it going.

8 DIRECT EXAMINATION (Cont'd)

9 BY MR. BURSOR:

10 Q. Good morning, Dr. Selwyn. welcome back.

11 A. Good morning.

12 Q. Do you remember where we left off in your testimony,
13 we were talking about the United States International Trade
14 Commission?

15 A. Yes. I think so.

16 Q. And I had written up on the board here a summary of
17 your testimony about the Commission tracking handset wholesale
18 prices?

19 A. Yes.

20 Q. And I believe right when we broke at the end of the
21 day you had testified that the wholesale cost of phones from
22 1999 through '06 ranged from a hundred to \$117?

23 A. Yes. That's correct.

24 Q. I want to pick up where we left off. So I'm going
25 to take this price range from the ITC, and I'm going to start
26 a new page. Have you had occasion to study data on the
27 average retail price paid for consumers for handsets?

28 A. Yes.

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1 Q. What data have you seen on that?

2 A. There was data that was released by the Cellular
3 Telephone and Internet Association, which is the trade
4 association of the cellular industry, that indicated that the
5 average retail price that consumers paid for handsets was
6 \$65.67.

7 Q. What year was that?

8 A. In 2006.

9 Q. And what is CTIA?

10 A. CTIA, Cellular Telephone and Internet Association,
11 is the trade association whose members include the -- all of
12 the principal wireless carriers.

13 Q. And this figure that you've testified to this
14 morning comes from CTIA; is that right?

15 MR. SURPRENANT: Objection, Your Honor. Outside the
16 scope of his designation.

17 THE COURT: In terms of the source of that number,
18 I'm going to allow him to testify as to the source of the
19 number.

20 THE WITNESS: Yes. That's correct.

21 BY MR. BURSOR:

22 Q. Who was the first person to call the CTIA data to
23 your attention?

24 A. Actually, it was Mr. Surprenant who brought that
25 number to my attention during one of the depositions.

26 Q. How many times has Mr. Surprenant taken your
27 deposition?

28 A. I don't know. Half a dozen or so.

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1 Q. Have you had occasion to study Sprint's activation
2 fees?

3 A. Yes.

4 Q. How much was Sprint's activation fee in 2006?

5 A. I believe it was typically around \$35.

6 Q. Now, you understand that one of the areas of dispute
7 in this case concerns handset subsidies; right?

8 A. Yes.

9 Q. The supposed difference between the wholesale price
10 that Sprint pays for handsets on the one hand and the amount
11 that they receive in revenue for them on the other?

12 A. Yes.

13 Q. And as we've walked through the 10-Ks -- and we're
14 going to get back to our journey through the 10-Ks in a few
15 minutes -- we've seen references to selling handsets at or
16 below cost?

17 A. Yes.

18 Q. Were you able to reach any conclusions about the
19 magnitude of handset subsidies on average?

20 A. Yes.

21 Q. What were your conclusions?

22 A. Well, if you look at the numbers that you just put
23 up there --

24 Q. I'm sorry. I'm going to bring it closer.

25 A. So we have from the ITC data the cost range. To be
26 fair, since we're looking at revenue numbers for 2006, we
27 should use the 2006 cost, which my recollection is it's
28 approximately \$115. That is the ITC taking the 2006 imports

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1 and dividing it -- import value and dividing it by the number
2 of units imported.

3 MR. SURPRENANT: Your Honor, I don't have a problem
4 with this, but I can't see. So let me just walk over there.

5 THE WITNESS: I can remember it now. So maybe you
6 should write \$115 as the comparable cost to those revenue
7 figures just to make it clear.

8 MR. BURSOR: Okay. 115.

9 THE WITNESS: we have two components of handset
10 revenue; that's \$65.67, which is the average retail price of
11 the handset charged by CTIA members, and then there's the \$35
12 activation fee, which is also part of the price of the
13 handset. So if you add those two together, we get \$100.67.

14 BY MR. BURSOR:

15 Q. And so can we subtract that from 115 to determine a
16 an average handset subsidy?

17 A. Yes.

18 Q. Can you do that math in your head?

19 A. Approximately \$114 and I think 33 cents.

20 Q. Actually, \$14.33.

21 A. What did I say? 400?

22 Q. You said 114.

23 A. No. No. No. 14.

24 Q. 14.33?

25 A. 14.33.

26 Q. I know some of the jurors in the back have had a
27 hard time seeing. So each of these figures comes from a --
28 well, except for the activation fee, the \$35 activation fee,

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1 the other two figures come from sources external to Sprint;
2 correct?

3 A. That's correct.

4 Q. Did you also examine Sprint's internal figures for
5 handset costs?

6 A. Yes, I did.

7 Q. And what did you find?

8 A. Well, they were several times the ITC -- I'm trying
9 to remember the precise number, but my recollection is they
10 were up in the range of 250 to \$300. I don't know how that
11 calculation was made, what else was included, whether or not
12 various types of other retail related costs or handling costs
13 were included. Returns, warranty issues. It could have been
14 a number of things.

15 I mean, I would be surprised if Sprint's number were
16 precisely the same as the industry average, but I would also
17 be even more surprised if it were that different.

18 Q. And what conclusions -- based on your study of the
19 USITC data, of the CTIA data, and of Sprint's internal data,
20 what conclusions, if any, were you able to draw with respect
21 to the magnitude of handset subsidies?

22 A. I think -- again, I have no reason to believe that
23 the type of handset that Sprint provides is materially
24 different, the mix of handset that Sprint provides is
25 materially different than what we're finding industry wide.
26 So I think we can certainly use the ITC cost figure as a rough
27 approximation. So that's around \$115 in 2006. And we have
28 roughly a hundred dollars and some change in revenue per

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1 handset in that same period of time. So roughly we're looking
2 at a \$14 and some change subsidy.

3 Q. On average?

4 A. On average.

5 Q. Now, I want to ask you a question that Sprint's
6 counsel asked rhetorically in his opening statement. He held
7 up a handset and he asked, "If we give this handset away for
8 free, you know there has to be some kind of a subsidy on that
9 because we didn't buy it for free." You weren't here, but can
10 you understand what I just said?

11 A. Yes.

12 Q. Is it possible -- can you explain how you would
13 understand or respond to that question?

14 A. Well, first, as a general matter, Sprint doesn't
15 give away handsets for free because at a minimum they charge a
16 \$35 activation fee.

17 Q. Okay. So based on the activation fee alone, is it
18 possible -- well, are there handsets that might cost less than
19 \$35?

20 A. Yes. I believe so. In fact, I recently purchased
21 one from an electronics -- from J & R Electronics of New York
22 for \$35. And that was J & R's retail price and this was
23 without any service activation requirements. So I'm assuming
24 that whatever wholesale price J & R paid was less than \$35.

25 Q. So I just want to make clear. The 115 figure from
26 USITC, that's an average figure; right?

27 A. Right. It would include my \$35 handset, and it
28 would include 300 and \$400 PDA type handsets.

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1 Q. Based on your analysis of handset price data, is it
2 possible that a company could actually turn a profit on the
3 handset itself simply through the activation fee?

4 A. It's possible. We would have to look at the type of
5 phones that are being offered under the so-called free
6 arrangements. But certainly there are low-end phones that
7 have wholesale prices down in that range. So if that's what
8 they are giving away for, quote, free, then they may well be
9 turning a profit of \$35.

10 Q. Okay. Dr. Selwyn, I want to provide you with a copy
11 of Exhibit 416. And we're going to resume our journey through
12 Sprint's 10-K reports.

13 THE COURT: Is that one you gave us yesterday or a
14 new one?

15 MR. BURSOR: I have extras for Your Honor. And
16 these are the ones we discussed yesterday.

17 THE COURT: Okay.

18 BY MR. BURSOR:

19 Q. Dr. Selwyn, do you have Exhibit 416?

20 A. Yes.

21 Q. Have you seen it before?

22 A. Yes.

23 Q. What is it?

24 A. This is the Sprint 10-K form for the year ended
25 December 31st, 2002.

26 Q. Where did you get it from?

27 A. As with the others, my staff downloaded it from the
28 SEC web site.

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1 Q. Did the chief executive officer of Sprint sign this
2 one like the others?

3 A. Yes.

4 Q. Did the chief financial officer of Sprint sign this
5 one like the others?

6 A. Yes.

7 Q. Did the chief accounting officer of Sprint sign this
8 one like the others?

9 A. Yes.

10 Q. Did Sprint's outside auditors audit this one like
11 the others?

12 A. Yes.

13 Q. And did the outside auditors sign off on this just
14 like the prior 10-Ks?

15 A. They did.

16 Q. Did you review this 10-K in the course of your work
17 in this case?

18 A. I did.

19 Q. Why?

20 A. Again, I was trying to extract certain information,
21 certain financial information from it, but also was looking to
22 determine whether or not there was any information that was
23 being provided by Sprint relative to termination fees.

24 Q. Let me ask you to look at page 42 of 118. And
25 again, I'm going to use the numbers. I hope they are not cut
26 off on that one again.

27 A. I have them.

28 Q. Is that copy okay?

1 A. Yes.

2 Q. Do you have that page, Dr. Selwyn?

3 A. I do.

4 Q. Do you see in the last paragraph there's a
5 discussion of the program targeting the subprime customer
6 segment?

7 A. The clear pay program, yes.

8 Q. Right. And did you study that?

9 A. I did.

10 Q. And could you describe again what the clear pay
11 program was just to refresh us?

12 A. The clear pay program was an effort by Sprint to
13 attract what are considered to be subprime customers. That
14 is, customers who would not have qualified for credit and
15 therefore not be eligible for a post pay calling plan under
16 the previous Sprint credit policies. So Sprint relaxed its
17 credit and deposit policies for the purpose of attracting
18 additional customers.

19 Q. What happened when Sprint did that?

20 A. Well, what is reported in the 2002 10-K is that its
21 churn rate increased -- in fact, it increased fairly
22 dramatically -- as a result of defaults among customers who
23 were attracted under this plan.

24 Q. What was the churn rate in 2002 after subprime was
25 targeted? Actually, I apologize Dr. Selwyn. I don't see it
26 on this page. Just give me a moment. I think you'll find it
27 on page 44, two pages in. Second paragraph on that page.

28 A. It increased to 3.3 percent from 2.6 percent in

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1 2001.

2 Q. Is that a significant increase?

3 A. Yes.

4 Q. In 2002 -- could you just give us a rough estimation
5 of the magnitude of the effect of that churn rate on a
6 subscriber base of 14 million subscribers?

7 A. Let me try to do a quick calculation. So we went
8 from 2.6 to 3.3, which is an increase of .7 percent per month.
9 So if you multiply that by 12, you get 8.4 percent for the
10 year. And what did you say? 14 million was the subscriber
11 amount?

12 Q. Roughly.

13 A. So if we multiply that by 14 million, we would get
14 an increase in churn of roughly 1,176,000 customers.

15 Q. Just by going from 2.6 to 3.3, Sprint is going to
16 lose an extra how many customers?

17 A. 1,176,000.

18 Q. How would that impact Sprint's bottom line?

19 A. It would certainly cut into Sprint's profits, yes.

20 Q. You can set that one aside, Dr. Selwyn. Just pile
21 it up right there.

22 MR. BURSOR: Your Honor, I'm providing Dr. Selwyn
23 with Exhibit 417. It is the Sprint corporation form 10-K for
24 the fiscal year ended December 31, 2003.

25 BY MR. BURSOR:

26 Q. Dr. Selwyn, do you have Exhibit 417?

27 A. I do.

28 Q. Have you seen it before?

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1 A. I have.

2 Q. What is it?

3 A. It's the Sprint corporation form 10-K filed with the
4 Securities and Exchange Commission for the year ended December
5 31st, 2003.

6 Q. Where did you get it, sir?

7 A. As with the others, it was downloaded by my staff
8 from the Securities and Exchange Commission web site.

9 Q. Did you study this as part of your work in this
10 case?

11 A. I did.

12 Q. Why?

13 A. Same reason as the others. I wanted to extract
14 certain financial information, and I also wanted to see
15 whether or not and how the effects of early termination fees
16 were discussed in the 10-Ks.

17 Q. Did the chief executive officer of Sprint sign this
18 one like the others?

19 A. Yes.

20 Q. Did the chief financial officer sign this one like
21 the others?

22 A. Yes.

23 Q. Did the chief accounting officer sign this one like
24 the others?

25 A. Yes.

26 Q. Was this one audited like the others?

27 A. Yes.

28 Q. Did the outside auditors sign off on this one like

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1 the others?

2 A. Yes.

3 Q. Can you turn to page 56 of 165.

4 A. I have it.

5 Q. Do you see there's a discussion of churn in the
6 middle of that page?

7 A. Yes.

8 Q. Are you aware of what was happening with enforcement
9 of the early termination fee at this point in time in terms of
10 whether it was being enforced more or less or the same?

11 A. The churn rate dropped back down to 2.7 percent from
12 the 3.3 percent that was reported for 2002.

13 Q. And do you have -- based on your study of the data
14 in this case, do you have an understanding as to why the churn
15 rate dropped in 2003?

16 A. Sprint explains that it dropped as a result of
17 increased collection activity and tighter credit.

18 Q. What do you mean increased collection activity? And
19 Dr. Selwyn, I just want to caution you. We're not supposed to
20 read from the -- we're not supposed to read verbatim from the
21 document because of a pending issue.

22 THE COURT: I think he's refreshing his
23 recollection.

24 THE WITNESS: Well, there were references in here to
25 effective customer retention programs and credit management.
26 I read credit management to connote perhaps a combination of
27 tighter credit. That is, a tightening of the requirements to
28 obtain credit as well as increased efforts to collect overdue

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1 accounts.

2 MR. SURPRENANT: Your Honor, objection. Move to
3 strike. The witness's answer was "perhaps." He is just
4 speculating.

5 THE COURT: Objection is overruled. The answer may
6 remain.

7 BY MR. BURSOR:

8 Q. Now, we've just reviewed a series of 10-Ks that
9 talked about the situation with the subprime market that
10 Sprint decided to get into; right?

11 A. Yes.

12 Q. And did that cause an increase in defaults?

13 A. That's what the 10-K seems to be saying, yes.

14 Q. And the company at this time is -- are they still
15 selling the handsets below cost with these subsidies that we
16 talked about?

17 A. Yes.

18 Q. Was there any data that you saw reporting any
19 significant losses caused by handset costs to these subprime
20 customers?

21 A. Separate and apart from the general statement of
22 selling handsets below cost?

23 Q. Right.

24 A. No.

25 Q. Each of these 10-Ks that we've looked at so far,
26 Dr. Selwyn, have they included references to the sale of
27 handsets below cost every single year?

28 A. Yes.

1 Q. Have they included references to CPGA? I know we
2 spent a lot of time on that yesterday; right?

3 A. Cost per gross add.

4 Q. Right.

5 A. Yes.

6 Q. And we probably spent half an hour explaining what
7 cost per gross add was; right?

8 A. Yes.

9 Q. And we did that by reference to I think the '99
10 10-K, but that's something that's in there every year; is that
11 true?

12 A. Yes.

13 Q. From '99 to 2003, in each of 10-Ks did you see any
14 statement drawing any connection between the amount of the
15 early termination fee and cost per gross add?

16 A. No.

17 Q. In any one of these 10-Ks that we have reviewed, did
18 you see any statement drawing any connection between the
19 amount of the ETF and the amount of any handset subsidy?

20 A. No.

21 Q. In any one of these 10-Ks that we've reviewed, did
22 you see any statement suggesting any connection between the
23 amount of the ETF and any kind of cost for handsets?

24 A. No.

25 Q. In any one of these 10-Ks that we have reviewed, did
26 you see any connection between the amount of the ETF and the
27 recoupment of any costs at all?

28 A. No. There was no reference to the ETF in any of

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1 these 10-Ks.

2 Q. Now, did the company in the 2003 10-K in their
3 discussion of churn at page 56, did they draw a distinction
4 between voluntary and involuntary churn?

5 A. Yes.

6 Q. And do you have an understanding of what that
7 distinction is?

8 A. Yes.

9 Q. Can you explain it?

10 A. Voluntary churn occurs when a customer in good
11 standing, that is, who is not in a billing in arrears
12 situation, makes a decision to discontinue service.
13 Involuntary churn arises when Sprint, typically due to
14 nonpayment of an account, discontinues, that is, cuts off the
15 customer's service.

16 Q. And was there an explanation in the 2002 and 2003
17 10-Ks as to whether the increase in connection with the
18 targeting of the subprime market, the increase in churn, was
19 that the result mostly of voluntary or involuntary churn?

20 A. Let me answer your question and then I'll get myself
21 some water. Yes. The 2003 10-K reports that the increase in
22 involuntary churn resulted from the discontinuation of the
23 clear pay program.

24 Q. Let me make sure I understand. Go ahead and get
25 your water, sir. So this is what I want to ask you about,
26 Dr. Selwyn. When churn went from 2.6 in 2001 -- can you see?

27 A. Yes.

28 Q. When it went from 2.6 in 2001 to 3.3 in 2002, what

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1 kind of churn was that, was primarily responsible for that
2 increase? was it voluntary or involuntary?

3 A. It was primarily involuntary.

4 Q. And that means that it was primarily Sprint
5 canceling the customers' accounts?

6 A. Yes.

7 Q. Because there was a high rate of nonpayment on the
8 subprime folks?

9 A. Apparently that's the case, yes.

10 Q. Is that surprising?

11 A. No. If you make -- if you relax credit standards,
12 then you end up with additional customers. But you also end
13 up with a higher than average percentage of customers who then
14 encounter difficulty paying their bills. Same thing occurring
15 right now with respect to subprime mortgages.

16 Q. So this was not something that would be unexpected;
17 is that fair?

18 A. I wouldn't think it would be unexpected, no.

19 Q. Were you able to draw any conclusions from the fact
20 that Sprint made the business judgment to enter that market?

21 A. Well, I'm assuming -- and I think it's a reasonable
22 assumption -- that Sprint made a business judgment that even
23 though there would be some elevation, some increase in the
24 rate of default in the number of customers who would end up
25 defaulting on their account, that factoring that in against
26 the gain in additional customers that resulted from the
27 relaxation of credit policies would produce a net profit.

28 Q. So that was a business judgment that Sprint made.

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1 customer has, let's say, 12 months left on the contract and
2 discontinues it, then the revenue loss to Sprint has to be
3 reckoned with respect to the amount to which the customer was
4 obligated to pay, which in this case would be that 39.95 a
5 month. So we would look at the contractual portion of the
6 total service arrangement because that's all that's included
7 within the contract.

8 Q. Let me see if I can try to clarify that a bit. Is
9 it accurate to summarize that answer by saying you don't have
10 an obligation to buy the extra stuff beyond the contract?

11 A. That's right.

12 Q. And did you make some determination as to what
13 portion of Sprint's revenues comes from the contractual side
14 and which portion of the revenues comes from optional
15 services?

16 A. Well, yes, I did. Although the actual a source of
17 that came from one of Sprint's witnesses who provided data for
18 the period 2001 through 2006 showing the portion of
19 Sprint's -- and we're talking about Sprint wireless here. Of
20 Sprint's total revenues that were associated with the fixed
21 monthly plan charges versus the optional service charges.

22 Q. So these data on the percentage of revenues from the
23 optional charges as compared to the contractual charges, you
24 took those from Dr. Taylor?

25 A. Yes.

26 Q. And who is he?

27 A. He is one of Sprint's experts.

28 Q. And you don't have any reason to dispute these

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1 figures; do you?

2 A. No.

3 Q. You accept them?

4 A. I'm accepting them as presented, yes.

5 Q. Okay. So according to Dr. Taylor's numbers, about a
6 third of Sprint's revenue is from optional charges.

7 A. Approximately that, yes.

8 Q. Why does that matter?

9 A. Well, we're trying to examine the effect on the
10 financial consequences for Sprint resulting from early
11 terminations. If a customer discontinues service, the
12 customer will cease paying the fixed monthly charge and will
13 enable Sprint then to avoid the costs associated with
14 providing the services. If we can go back to the previous
15 slide for a moment.

16 Q. Sure.

17 A. The services that show up in the left-hand column,
18 that's what's covered by the fixed monthly charge.

19 Q. So these on the left-hand column is about two-thirds
20 of the revenue.

21 A. That represents about two-thirds of the revenue.

22 Q. And these on the right-hand part of the column
23 represent about one-third of the revenue.

24 A. Yes.

25 Q. According to Dr. Taylor.

26 A. Yes.

27 Q. And I see you put on the chart Sprint breaks even on
28 the contract service. I know we are going to get there, but

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1 can you just give us a shorthand explanation of why that is?

2 A. Well, as it turns out, the way that Sprint has
3 designed its pricing is that essentially if all its customers
4 were to do was to purchase only the contract services and
5 never purchase any optional services, then Sprint would
6 roughly break even.

7 In other words, Sprint has designed its pricing
8 model so that essentially all of the profit comes from
9 optional services, and the core services that are covered by
10 the monthly plan charges are essentially designed to break
11 even.

12 Q. All right. I want to do the math to see how you get
13 there, Dr. Selwyn. Okay?

14 A. Okay.

15 Q. So let's go to your last slide. What did you
16 calculate on this last slide?

17 A. Well, what I did here on the top line --

18 Q. Was this your calculation of the profit margin of
19 Sprint on the contract?

20 A. Yes.

21 Q. All right. And you did that for each year from '99
22 through 2005?

23 A. Yes.

24 Q. And what do we have in this first line labeled
25 "Contract Revenues without Optional Charges"? What is that?

26 A. That represents the total revenues that Sprint
27 reported in its 10-K reduced to exclude the proportion of
28 revenues identified by Dr. Taylor as coming from optional

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1 services. So roughly reduced by a third, but it was actually
2 done -- whatever his number was for each year is what I used.

3 Q. Let me make sure I understand. For this line here,
4 you started with the reported audited figure from the 10-Ks
5 and Qs; right?

6 A. Correct.

7 Q. And you reduced it by Dr. Taylor's figures for the
8 break-out of optional and contractual services.

9 A. Correct. Then I divided that by number of
10 subscribers, and I divided it again by 12 to express it on a
11 monthly basis.

12 Q. And is that the correct way to do it?

13 A. Yes. I believe it is.

14 Q. Now, I want to ask you about the second line,
15 average variable cost per subscriber. What is that?

16 A. Again, the goal here was to identify only those
17 costs that are affected by the number of subscribers, that
18 vary as the number of subscribers changes.

19 Q. Is that why you had the regressions with the trend
20 lines?

21 A. Yes.

22 Q. All right. So this may have been a roundabout way
23 of getting there, but you used the data from those regressions
24 to calculate these figures?

25 A. Well, not precisely. I used a slightly different
26 calculation, but the effect of the calculation was to identify
27 and isolate costs that had changed. What I did was take a
28 base year of 1999, and then I compared the change in total

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1 operating expenses for each year relative to 1999 against the
2 change in number of subscribers between that year and 1999.
3 what I was attempting to do was identify the variation, the
4 variable costs associated with those additional customers that
5 were brought into the service, put on the network, from and
6 after 1999.

7 Q. Okay. Now, we already talked about the fact that
8 you excluded the revenue from optional services -- the revenue
9 from optional charges from the top line. So are you just
10 including all the costs in the second line?

11 A. No.

12 Q. Why not?

13 A. Well, the optional services do have certain costs
14 associated with them. They are relatively small compared to
15 the core services, those basic contractual services. But if
16 I'm going to exclude optional revenues, then I need to make a
17 corresponding exclusion of costs associated with those
18 optional revenues.

19 Q. And if you didn't do that, you would understate the
20 amount of profits; right?

21 A. I would -- yes. If I didn't make that exclusion, I
22 would be assigning costs to the monthly services that would be
23 too high, and hence I would be understating profit.

24 Q. Right. So if you are going to do this in a
25 scientific and mathematically valid way, you've got to exclude
26 some portion of those costs; correct?

27 A. Yes.

28 Q. How did you do that?

1 A. Unfortunately, Sprint data does not identify
2 specifically what the costs are as between its core services
3 and its optional services. So I had to look at other sources
4 for that. And I found several that I felt were relevant and
5 that I could rely on.

6 Q. Well, let me ask you this: Did you develop an
7 estimate of the profit margin on optional services?

8 A. Yes, I did.

9 Q. And what is that margin?

10 A. I estimated that the cost of optional services were
11 10 percent of the revenues. In other words, the operating
12 margin, profit margin, was about 90 percent.

13 Q. How did you do that?

14 A. I had several sources. A professor at MIT that
15 Sprint has used as an expert in the past recently estimated
16 the cost per minute of use of wireless networks, wireless
17 services, to be approximately four-tenths of one cent. So if
18 we compared that figure with the 45 cent overage charge, we
19 would end up assuming that the optional service cost is about
20 one percent of revenues and hence the profit margin would be
21 99 percent.

22 I looked at -- the Sprint expert in this case, the
23 one that had looked at those third quarter 2006 figures, he
24 estimated the cost of optional services at about 19 percent of
25 revenues. So we had on the one hand a one percent figure and
26 we had a 19 percent figure.

27 Also looked at several other sources. The same MIT
28 professor whose name is Jerry Hausman had written a paper that

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1 was published in the National Tax Journal three or four years
2 ago that estimated the long-run cost of a wireless minute at
3 about five cents. So that puts us much closer to the 10
4 percent. In other words, five cents compared to 45.

5 One of the better data sources that I found,
6 however, was a cost study that Sprint itself had done and
7 submitted in a case at the New York Public Service Commission
8 in 2002 -- I believe that was the year -- in which it
9 estimated the cost at 3.9 cents a minute. So now we're sort
10 of a little under 10 percent of that 45 cents.

11 So looking at this range, I had a figure of one
12 percent. I had a figure of 19 percent. I had another figure
13 that was a little below 10 percent. I had a fourth figure
14 that was a little above 10 percent. And I felt that 10
15 percent was a reasonable estimate of the costs associated with
16 optional services.

17 Q. Okay. So you started with the price of an average
18 minute of 45 cents; right?

19 A. Yes.

20 Q. And one of the sources you mentioned was Sprint's
21 own cost study?

22 A. Yes.

23 Q. And what was the conclusion of Sprint's own cost
24 study that it did?

25 A. Sprint's own cost study was that the cost was 3.9
26 cents per minute.

27 Q. And so based on those data, what was your conclusion
28 as to the likely profit margin on an average minute?

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1 A. Well, if I use the 3.9 cents -- I divide 45 cents by
2 3.9 cents, I would end up with a profit margin of about 91
3 cents. 91 percent.

4 Q. What about other types of optional services besides
5 overage like data services and text messaging? Did you draw
6 any conclusion as to the profitability of those services?

7 A. I did. We didn't have any specific cost information
8 for some of these other services, but they do bear a
9 relationship to voice minutes. For example, Sprint's -- when
10 you place a call on most wireless services, and certainly this
11 is the case for all of Sprint's services, the voice signals
12 are translated into a digital format and are sent in digital
13 format over the network.

14 Sprint offers other services that also use the same
15 digital network. And let me give you two examples. One is
16 photos, that is, taking a picture with a camera phone and
17 sending it as a -- sending it to someone else. And the second
18 are text messages. The amount of data that is involved in
19 transmitting a typical photo that would be taken with a
20 wireless camera phone is approximately between -- equivalent
21 to something between eight and 15 seconds' worth of voice
22 calling.

23 So even using the high end of that range, if a
24 minute of voice calling is 3.9 cents, then it represents the
25 cost of sending a photo is probably something closer to about
26 one cent. And I believe Sprint charges 20 cents to transmit a
27 photo so that would imply a profit margin of 95 percent. That
28 is, five percent of revenues representing costs.

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1 Text messages also use that same digital network,
2 except here we're talking about a really miniscule amount of
3 data relative to the amount of data that is required to handle
4 a voice call.

5 Sprint's charge for text messages is also 20 cents.
6 The amount of data involved is probably less than a 10th that
7 of a photograph, maybe even closer to a hundredth to that of a
8 photograph. We're talking about an immeasurably small amount
9 of cost in terms of tenths of hundredths of a cent as against
10 the 20 cent price.

11 So once again, I think, if anything, my 10 percent
12 cost estimate is probably on the high side. But I certainly
13 think that it is a reasonable approximation for the study that
14 I've done.

15 Q. Okay. So you've adjusted the cost line to account
16 for that; correct?

17 A. Yes.

18 Q. And what does the final line on the graph show or on
19 the chart?

20 A. The final line on the chart shows that if we compare
21 the monthly revenues with the variable costs and we subtract
22 that second line from the first line, we can estimate the
23 profit margin associated with the contractual services.

24 Q. And you have previously expressed the opinion that
25 Sprint roughly breaks even on the contractual services?

26 A. Yes.

27 Q. And do these figures bear that out?

28 A. Well, I think they do. What I did was to

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1 calculate -- as you see, some of them have negative values,
2 some of them are positive values. So some years they were
3 ahead, some years they were behind on them. But I made a
4 calculation of the weighted average of those profits or
5 losses, weighting them by the number of subscribers in each
6 year. And when I did that, I had come up with an estimate of
7 the weighted average profit margin on contractual services at
8 approximately 70 cents per month.

9 Q. So based on your calculations, Sprint's margin on
10 contractual services is roughly 70 cents a month?

11 A. Yes.

12 Q. And you've characterized that as roughly breaking
13 even?

14 A. Well, yeah. Because we're looking at -- you know,
15 comparing 70 cents to \$40 in revenue. It's only a little
16 over -- it's not even two percent of revenue or approximately
17 two percent of revenue would represent that lost profit.

18 Q. I want to ask you to help me with some math,
19 Dr. Selwyn. Sprint's counsel has told us that the average
20 customer that terminates leaves the company with 13.2 months
21 remaining on the contract. And you've seen that figure in
22 some of Sprint's expert reports; correct?

23 A. Yes.

24 Q. And according to your analysis, Sprint has roughly a
25 70 percent monthly margin; correct?

26 A. 70 cents.

27 Q. 70 cents?

28 A. Yes.

1 Q. All right. Can you use those two figures to
2 estimate Sprint's loss from early termination on average?

3 A. Yes. If we multiply the 70 cents times that 13.2
4 months, we can estimate the loss at \$9.24 on average.

5 Q. What is the amount of Sprint's early termination
6 fee?

7 A. It had been \$150. I think it's currently \$200.

8 Q. So currently roughly 20 times the average loss?

9 A. Yes.

10 Q. I want to see if you can help me calculate the
11 actual loss not on average, but across the entire class in
12 this case. So if we take your \$9.24 number and we multiply it
13 by the number of class members in this case, would that give
14 us an estimate of the actual loss to Sprint from the early
15 terminations by the entire class?

16 A. Yes.

17 Q. Now, you know that Mr. Dippon has told us how many
18 class members there are; right?

19 A. Yes.

20 Q. And he told us that there are 1,906,853 class
21 members; correct?

22 A. That's my recollection, yes.

23 Q. If we tried to determine what Sprint's total loss is
24 from the early terminations of all those class members, how
25 would we do that?

26 A. We could multiply those two together, and we would
27 get \$17,619,322.

28 Q. Do you know how much Sprint charged those class

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1 members in early termination fees?

2 A. I think the figure that was provided in the most
3 recent testimony by Mr. Dippon was roughly 283 million.

4 Q. So roughly 13 or 14 times the amount of the actual
5 loss?

6 A. 16 times.

7 Q. 16 times the amount of the actual loss?

8 MR. BURSOR: Your Honor, this would be a good point
9 to break for the day.

10 THE COURT: You are not going to finish within the
11 next five minutes?

12 MR. BURSOR: (Shakes head from side to side.)

13 THE COURT: All right. Ladies and gentlemen, we
14 will take the recess at this point. Please keep in mind the
15 admonitions. You will not be coming back until Tuesday. I'm
16 sorry. I'm getting a jump on the weekend, I guess. This is
17 Thursday, not Friday. We will see you tomorrow morning at 9
18 o'clock.