

TRANSCRIPT OF PROCEEDINGS

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IN THE MATTER OF:)

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DETERMINATION OF RATES AND TERMS) Docket No.

FOR DIGITAL PERFORMANCE OF SOUND) 19-CRB-0005-WR

RECORDINGS AND MAKING OF) (2021-2025)

EPHEMERAL COPIES TO FACILITATE)

THOSE PERFORMANCES (WEB V))

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8 RECORDINGS AND MAKING OF) (2021-2025)

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12 BEFORE: THE HONORABLE JESSE M. FEDER

13 THE HONORABLE DAVID R. STRICKLER

14 THE HONORABLE STEVE RUWE

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25 Reported by: Karen Brynteson, RMR, CRR, FAPR

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2 ** All Appearances by Zoom Webinar **

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4 of Musicians of the United States and Canada, Screen
5 Actors Guild and American Federation of Television
6 and Radio Artists (SAG-AFTER), American Association
7 of Independent Music (A2IM), Universal Music Group
8 (UMG), Warner Music Group, Sony Music Entertainment,
9 Jagjaguwar:

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11 ** Index appears at end of transcript.

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1 P R O C E E D I N G S

2 (10:30 a.m.)

3 THE CLERK: Let's raise the curtain.

4 MR. SACK: The curtain is raised.

5 CHIEF JUDGE FEDER: Good morning. When we
6 concluded yesterday, SoundExchange was conducting its
7 direct examination of Mr. Orszag.

8 Mr. Handzo, are you ready to proceed and
9 continue the direct examination?

10 MR. HANDZO: We are, Your Honor, assuming
11 Mr. Orszag is there.

12 CHIEF JUDGE FEDER: Can you -- can the host
13 please promote Mr. Orszag to a panelist?

14 MR. TOTH: Yes, there he is.

15 CHIEF JUDGE FEDER: Very good. All right.

16 MR. HANDZO: There he is.

17 CHIEF JUDGE FEDER: You may proceed.
18 Whereupon--

19 JONATHAN ORSZAG,
20 a witness, called for examination, having previously
21 been duly sworn, was examined and testified further
22 as follows:

23 DIRECT EXAMINATION -- RESUMED

24 BY MR. HANDZO:

25 Q. Good morning, Mr. Orszag.

1 A. Good morning, Mr. Handzo.

2 Q. When we finished up yesterday, we were still
3 on your summary of conclusions, and I believe this
4 was going to be the next slide that we were getting
5 to, which is a summary of your conclusions with
6 respect to Dr. Peterson's benchmarking methodologies.

7 So with respect to Dr. Peterson, your first
8 bullet point talks about, again, Spotify's
9 ad-supported service is not an ideal benchmark. Is
10 that one that Dr. Peterson also uses?

11 A. That is correct.

12 Q. And you talked about that with respect to
13 Professor Shapiro yesterday. Is it the same concerns
14 you have with respect to Dr. Peterson?

15 A. Yes. And just so that we're clear, where I
16 described yesterday in terms of the different
17 benchmarks, Professor Shapiro puts forward a
18 benchmark for both the subscription non-interactive
19 market in the ad-supported non-interactive market.
20 Dr. Peterson focuses only on the ad-supported
21 non-interactive market.

22 And he uses, as his benchmark, the Spotify
23 ad-supported tier. The problems with this benchmark,
24 as I described yesterday, are that there are
25 discounts associated with it due to the fact that

1 Spotify is -- excels at converting its free
2 subscribers into paid subscribers.

3 And so its rates reflect those discounts,
4 and so the benchmark that Dr. Peterson has put
5 forward is depressed, is lower than it should be, if
6 we were focused on the target market, which does not
7 have -- in Section 114, the statutory services do not
8 have those same premium tiers to convert to, and so
9 the -- the statutory rate should not take into
10 account the discounts associated with improved
11 conversion.

12 JUDGE STRICKLER: Mr. Orszag, good morning.

13 THE WITNESS: Good morning to you, sir.

14 JUDGE STRICKLER: Question for you. These
15 discounts on the Spotify rate because it serves as an
16 ad-supported funnel, if you will, are they just
17 general in nature or are they actually -- can you
18 actually identify them precisely?

19 THE WITNESS: In the Spotify agreement,
20 there's different --

21 JUDGE STRICKLER: Without actually naming
22 them, because we're not in restricted session.

23 THE WITNESS: Yes, I will --

24 MR. HANDZO: Yeah, I was going to say I --
25 we have to be a little careful. We'll get into this

1 in more detail certainly, and I'm happy to have
2 Mr. Orszag answer to the extent that he can without
3 going into restricted information.

4 JUDGE STRICKLER: Thank you.

5 THE WITNESS: What I -- I think is fair to
6 say that the -- the details with regard to the -- the
7 discounts being tied to the ability to convert is
8 different for each of the labels and the services.

9 The most explicit discounting is in the
10 relationship, say, with the Amazon agreement. And I
11 will talk about that. But there's other agreements
12 where there is explicit provisions. Sometimes those
13 targets for, say, a Spotify were met long ago or were
14 not set at very high levels, so that on day one of
15 the new agreement, they were already meeting those
16 thresholds.

17 So we can get into this in more detail, but
18 it depends on each of the agreements. And,
19 obviously, there's lots of details, some of which
20 I've committed to memory; others, I have not.

21 JUDGE STRICKLER: Thank you, Mr. Orszag.

22 BY MR. HANDZO:

23 Q. Mr. Orszag, I'm going to skip the second
24 sub-bullet for a moment. Don't worry, I'll come back
25 to it. But let's talk for a moment about

1 Dr. Peterson's interactivity adjustment.

2 Does he do that the same way that Professor
3 Shapiro does?

4 A. No, he does not.

5 Q. Okay. But what's your view of the way
6 Dr. Peterson does it?

7 A. Well, let's -- let's just level-set first,
8 because I think that's important. Where I described
9 yesterday that Professor Shapiro includes a
10 63 percent discount for his views about the
11 differences in interactivity, Dr. Peterson includes a
12 12.7 percent. So his adjustment is 12.7 percent
13 down, instead of, as for Professor Shapiro, of
14 63 percent.

15 And what Dr. Peterson does is he looks at
16 the rate that Pandora is paying in its deal with the
17 majors relative to the statutory rate, and he takes
18 that ratio and he uses that ratio as his adjustment.

19 There are two problems with that. One is it
20 doesn't reflect the consumer value, the value to
21 downstream users, of that increased functionality,
22 and it is not free from statutory influence. He's
23 introducing the statutory rate directly into the
24 calculation.

25 JUDGE STRICKLER: Mr. -- Mr. Orszag, I just

1 want to clarify again, just so I understand the --
2 the lay of the land here.

3 Are you saying that Professor Shapiro's
4 63 percent discount is purely for interactivity -- an
5 interactivity adjustment?

6 THE WITNESS: That is correct.

7 JUDGE STRICKLER: Thank you.

8 BY MR. HANDZO:

9 Q. Now let's go back up one bullet to the
10 efficient -- effective competition adjustment.
11 Again, you talked about that yesterday with respect
12 to Professor Shapiro.

13 Does Dr. Peterson make an effective
14 competition adjustment -- well, let's start with
15 that. He makes an effective competition adjustment,
16 right?

17 A. That is correct.

18 Q. But does he do it in the same way that
19 Professor Shapiro does?

20 A. No, he does not. Whereas Professor
21 Shapiro --

22 Q. And --

23 A. Whereas Professor Shapiro used the
24 difference between what he measured was -- and I'll
25 be -- I have to be careful here because we're not in

1 restricted session -- he used the difference between
2 the average rates for a number of subscription
3 services and the rate that Amazon pays on a per-play
4 basis for its Amazon Prime service.

5 And he -- this is Professor Shapiro -- he
6 assumed that difference was equal to the effective
7 competition, an effective competition adjustment.
8 And ballpark, I think it was around 30 percent as an
9 adjustment, 32 percent. We can get into the precise
10 numbers.

11 Dr. Peterson just uses the 12 percent
12 adjustment factor that was used in the Web IV
13 decision as his adjustment for effective competition.

14 Q. And what's your reaction to Dr. Peterson's
15 approach?

16 A. I -- I have a number of reactions. Most
17 particularly since Web IV, since the Web IV decision,
18 rates have come down. And rates have come down
19 significantly for Spotify. Rates have come down
20 significantly for Apple. And also relative to the
21 Spotify benchmark, Spotify obtaining the best prices
22 in the -- in the market or among the best prices in
23 the market, to just be more general, it's then
24 inappropriate to make an additional adjustment on top
25 of that.

1 And to be more precise, in Web IV as I read
2 the record, the 12 percent adjustment applied to all
3 the services that were analyzed, not the lowest price
4 service. So when they -- when the analysis was done,
5 it started with all and subtracted 12 percent. I'm
6 starting with a rate, Spotify here, that is
7 already -- again, to be vague, already significantly
8 below the rates for other services.

9 So much below that no additional effective
10 competition adjustment is necessary. And one can
11 just look at Professor Shapiro's analysis, which he
12 called the Amazon Prime rate effectively competitive,
13 and the Spotify rate is with -- is very close to that
14 same rate.

15 Q. Okay. Now, the last bullet relates to
16 Dr. Peterson's skips adjustment. Can you just tell
17 us -- first of all, what's the skips adjustment and
18 why is the way Dr. Peterson does it a problem?

19 A. Sure. He -- he makes two adjustments. He
20 -- he makes two proposals. The first, he -- he
21 proposes to use the rate of skips for Spotify. And,
22 roughly speaking, that's about a 25 percent
23 adjustment. And so he uses that as approach number
24 1.

25 And then approach number 2, he uses the

1 Pandora skips rate of roughly 11 percent as his
2 measure to adjust by. So those are his two --

3 Q. Let me -- okay. Just so we all are on the
4 same page, I'm sure everybody knows this, but what's
5 the rationale for doing a skips adjustment in the
6 first place?

7 A. Well, to the extent that the statutory
8 services do not -- that you have to pay for skips,
9 one would want to ensure that one is matching the
10 benchmark in the target markets, and so in the
11 statutory world, the statutory services are paying
12 for skips, so one wants to make sure you're matching
13 up correctly.

14 Q. Okay. So is your -- your objection to what
15 Dr. Peterson does that he shouldn't be making a skips
16 adjustment or just the way he does it and the data he
17 uses?

18 A. I -- one has to control for skips. There
19 are multiple ways to do it. One has to -- he looks
20 at just the benchmark market without taking into
21 account the target market. That's why his Spotify
22 rate is so overstated.

23 And I deal with this much more directly.
24 Pandora today pays for skips. Pandora is the vast
25 majority of observations. It -- it's a significant

1 weight in my calculation.

2 So by using the plays that are paid for by
3 Pandora, I am directly controlling for skips in my
4 analysis and ensuring that the target rate here, the
5 statutory rate, the one that I propose, is
6 appropriate, taking into account the fact that skips
7 will be compensatory.

8 Q. Okay. Thank you.

9 So next we'll talk about Dr. Leonard, who,
10 as I think everyone will recall, is an expert for the
11 NAB.

12 Do you recall that Dr. Leonard uses as a
13 benchmark certain direct licenses between iHeart and
14 Indie labels?

15 A. That is correct.

16 Q. And your first bullet point says that's not
17 an appropriate benchmark. Why is that?

18 A. I mean, there's a long list. I detail this
19 in my written rebuttal testimony. But to just
20 highlight a number of them, if I may.

21 They represent a very small share of the
22 overall number of plays of iHeart. So I don't know
23 if that's a -- the number is confidential here, so I
24 will just be vague until we get into -- into
25 restricted session, but it's a very small percentage

1 of overall plays.

2 And it's dominated by one of -- one
3 particular label represents somewhere between 35 and
4 45 percent of those plays. And there are a wide
5 variety of reasons -- and this was covered as well in
6 the SDARS case -- for why these labels enter into
7 direct deals.

8 And those reasons motivate their decisions,
9 not steering, not trying to get more plays
10 necessarily, but there are a wide variety of those
11 reasons that factor into their analysis. For
12 example, one of the labels -- and, again, without
13 getting into details -- found it very important to
14 get paid for terrestrial plays.

15 And that was something that was ideological
16 to them. They wanted to be able to go to their
17 artists and explain that they were now getting paid
18 for something they previously were not. And so one
19 of the benefits of a direct deal to that label was
20 that benefit, which was, in their opinion, very
21 significant in the long run.

22 And other labels had other motivations that
23 go beyond just steering or getting more plays.

24 Q. And, again, just in case not everybody has
25 gotten to the point of reading Dr. Leonard's

1 testimony, in those direct licenses was there a
2 terrestrial royalty for the record -- for the Indies?

3 A. Yes, there was.

4 Q. I think you said that another issue with
5 respect to this direct license benchmark was the size
6 of -- or the percentage of the market that is
7 represented. And, again, I'm not asking you to say
8 the number, but does that cause you concern?

9 A. Yes, it does.

10 Q. And then your last bullet point, do you
11 recall that Dr. Leonard argues that simulcasting is
12 just economically different from the rest of
13 webcasting and, therefore, it is -- the Judges, at
14 least, need to consider a separate rate for it?

15 A. That is his argument. He suggests that
16 simulcasts -- simulcasters are different and should
17 get a differential rate. This is an issue -- I've
18 analyzed radio competition, and these simulcasters
19 are part of radio stations, for a number of years
20 now, and the competition between custom radio, radio,
21 simulcasters, and other forms of streaming services
22 is very significant.

23 And it's viewed significantly both by radio
24 stations and also by custom radio -- by streaming
25 entities as well. Pandora has made it very clear

1 that they have a desire to take on traditional radio.
2 And traditional radio wants to defend itself against
3 the incursions that have occurred from streaming
4 services. This has been part of competition
5 analyses, something that's reflected by the NAB, and
6 in their work that they have done about competition
7 in the radio space.

8 And so when firms are competing and they're
9 in the same competitive space, it does not make sense
10 to have such significant differences as Dr. Leonard
11 proposes in the rates that they would pay because
12 that would tilt the playing field to one player over
13 another.

14 And that's not what would occur in a willing
15 buyer/willing seller framework because, for obvious
16 purposes -- obvious reasons, a willing seller in that
17 -- in that circumstance would recognize the costs to
18 it of diversion from one to another.

19 Q. All right. So we've -- we've played the
20 prelude, and this is the roadmap to the rest of your
21 testimony. I'm not sure there's really anything to
22 cite here before we move into the main event, unless
23 there's something, Mr. Orszag, that you want to add.

24 A. No, let's just -- I think let's just get to
25 it.

1 Q. All right. So let's go back to your
2 benchmarking analysis. And I think at the outset you
3 said that the first step is to find the appropriate
4 benchmark.

5 So first bullet point, interactive services
6 is what you use, right? And why do you think that is
7 appropriate?

8 A. Well, it's -- there are a number of reasons.
9 And I don't think there's much disagreement here.
10 The only two experts who are proposing a rate for the
11 subscription non-interactive services are Professor
12 Shapiro and myself.

13 And we both use the interactive subscription
14 services as a benchmark. The difference being that I
15 use the Spotify rate and he uses 11 services. So
16 that's Number 1. And then, obviously, there's
17 differences about adjustments, which we will get to.

18 On the ad-supported side, Professor Shapiro
19 and Dr. Peterson and myself all use the interactive
20 services benchmark as well. The difference being
21 that I'm using the Spotify paid service, whereas
22 Professor Shapiro and Dr. Peterson are using the
23 ad-supported tier.

24 And so we're all agreeing to start with
25 interactive services as the benchmark. And there are

1 a number of -- we've all gone in this direction
2 because it -- there are lots of licenses that have
3 been negotiated and it reflects the -- a market
4 price, between a willing buyer and a willing seller,
5 that there's a significant comparability between what
6 is offered in the interactive service market and the
7 non-interactive service. You have the same music at
8 issue, and in many respects, you know, the -- they're
9 the same or very similar buyers.

10 And there's another reason, which is
11 certainly more prevalent today than was five years
12 ago, is that the interactive services have -- the
13 differences between the interactive -- interactive
14 services and the non-interactive services have
15 converged over time. There has been an increased use
16 of lean-back functionality on the interactive
17 services over time, so there is more elements to the
18 interactive services that look like the
19 non-interactive services than five years ago.

20 Q. Has there been any, I'll call it,
21 convergence between the interactive subscription
22 services and non-interactive subscription services in
23 terms of price?

24 A. Yes, there has. The -- there has been a
25 sharp increase in the use of discount plans, family

1 plans, in particular, for the interactive services.
2 And, again, without getting into numbers, that sharp
3 increase in the number of -- and we can do this in
4 restricted session -- the sharp increase in the use
5 of those family plans has caused ARPU of the
6 interactive services to fall, which would have it
7 converge with the prices of the non-interactive
8 services.

9 There is still a gap, for sure, but that gap
10 is not as significant as it was a number of years
11 ago.

12 JUDGE STRICKLER: Mr. Orszag, when you talk
13 -- and I know we're talking generally now without the
14 specific numbers -- when you talk about the ARPU,
15 average revenue per user, and you're relating it to a
16 family plan, are you relating it to the family as the
17 user or the user represents the number of individuals
18 actually on that plan?

19 THE WITNESS: So there's standard metrics
20 that the -- the record labels use. And you --
21 whether you do it in terms of the family as a unit or
22 you do it as the family -- I'm just being -- trying
23 to be careful here because of the numbers.

24 I believe I can -- let's just say that
25 there's a pretty standard metric that the labels use

1 for consideration of what a family plan is. And if I
2 use that metric, that obviously results in even lower
3 ARPU. And so it depends on what assumption one wants
4 to make about precisely that issue.

5 But there has been a significant increase in
6 the number of family plans, and if you use the
7 standard metric that the labels use, it -- it's -- it
8 means that the difference between these prices is
9 much less than it was a number of years ago.

10 JUDGE STRICKLER: Just so -- just so I'm
11 understanding this -- I'll use numbers that are
12 completely fanciful, so this has nothing to do --

13 THE WITNESS: Sure.

14 JUDGE STRICKLER: -- with what's in the
15 record. If a family plan was \$50 a month and there
16 were five individuals on the family plan, two
17 parents, three children, is there a standard way in
18 which the industry measures ARPU? In other words,
19 would it be \$50 ARPU because the subscriber is the
20 family unit, or would it be \$10 per user because
21 there's five members in that family?

22 THE WITNESS: It would be -- to use the
23 hypotheticals -- by the way, the public -- there's
24 public information about what the price of a family
25 plan is, which is basically, you know, roughly \$15.

1 It depends on the -- the --

2 JUDGE STRICKLER: That's why -- that's why I
3 used 50. I wanted to be completely fanciful on this.

4 THE WITNESS: Okay, but we can be completely
5 fanciful, but yes, you are dividing by the number of
6 users. They make an assumption about the number of
7 users.

8 Oftentimes in these agreements, if the
9 number of actual users goes above a threshold, this
10 is a heavily negotiated provision, the rate at which
11 they pay increases. So there's one rate as long as
12 the number of users is below a threshold and another
13 rate if it goes above that threshold.

14 And their standard, to use in terms of the
15 number of users, is below that threshold.

16 JUDGE STRICKLER: I see. And -- and does
17 this vary among the majors?

18 THE WITNESS: I don't think significantly,
19 but there are some differences between how they view
20 these issues.

21 JUDGE STRICKLER: Thank you, Mr. Orszag.

22 JUDGE RUWE: Mr. Orszag, I have a question
23 to follow up on Judge Strickler's. Is it the window
24 within which how many users can be on a particular
25 plan that determines the average revenue per user or

1 is it the actual users? So if I had a plan that
2 allowed five users but I only had three, how is that
3 actually being worked out?

4 THE WITNESS: It's the number that sign up.
5 So if I have a family plan, it may allow for up to
6 five users, but I have to go in and each person signs
7 up separately, so there's -- and so -- but it's under
8 the family plan.

9 So I -- personally, I actually have a family
10 plan, and for -- and each user is an additional
11 e-mail address, effectively. And so that is the user
12 under the -- under the standard.

13 JUDGE RUWE: So it is based on the accounts
14 signed up, not users on multiple devices, that it's
15 not as tracked with as much granularity?

16 THE WITNESS: It's based on the number of
17 signed-up users, is my understanding. So if -- if I
18 -- if I use my Spotify account on three -- three
19 devices, I'm treated as one user because that is me
20 individually using it in different places.

21 JUDGE RUWE: Thank you.

22 JUDGE STRICKLER: Mr. Orszag, just to follow
23 up, do you understand the use of these discount
24 family -- we're talking about the discount family
25 plan -- as an example of bundling, economic bundling?

1 THE WITNESS: It's a form of bundling. For
2 -- for my family, for example, I get a discount
3 because, instead of having to buy three services, I
4 buy one, and that one is cheaper for me buying it as
5 a bundle than buying it each separately.

6 JUDGE STRICKLER: And do you understand such
7 bundling to be a form of price discrimination?

8 THE WITNESS: I mean, technically speaking,
9 yes, it is a form of -- of -- you're pricing
10 differently to different groups of people, so it is a
11 form of price discrimination.

12 JUDGE STRICKLER: Thank you, sir.

13 BY MR. HANDZO:

14 Q. Just to finish off this slide, Mr. Orszag,
15 at the bottom, you talk about having sufficient data
16 to calculate reliable benchmark rates.

17 So just tell us what data you used.

18 A. So I have the royalty statements for a
19 number of services and Spotify and their agreements
20 with a number of labels, the major labels, as well as
21 Merlin, and then I have this data going back till --
22 on a monthly basis, back to at least 2015. This is
23 very complex to process on a monthly basis and has
24 become much more complex over time, as -- as the
25 services have introduced these additional different

1 plans and different -- the way that they treat them.

2 And so that explains why there is some
3 modest difference between, say, Dr. Peterson's
4 calculation of the royalty rate and mine, is because
5 of how one processes some of the details can be very
6 different.

7 I should note that the differences between
8 what Dr. Peterson and I do are very small and
9 technical. And I would not say that -- would stand
10 here and testify that one is necessarily more right
11 than another, but the differences between us are
12 extremely, extremely small, unlike the difference
13 between Dr. Peterson and myself and Professor
14 Shapiro, who has fundamentally just not calculated
15 the Warner true-up correctly.

16 Q. Okay. So in terms of the royalty statements
17 that you had, what record company or companies does
18 that cover?

19 A. Universal, Sony, Warner, and Merlin. And
20 then I have it for a number of others, and I looked
21 at those as well, but my primary analyses are focused
22 on Universal, Warner, Sony, and Merlin.

23 JUDGE STRICKLER: Mr. Orszag, where do the
24 -- excuse me, sir. Mr. Orszag, why did you use
25 Merlin as your independent label source?

1 THE WITNESS: Because for -- there are --
2 and, again, this is detailed in my -- in my report,
3 and I can pull up the precise numbers. They cover a
4 very significant number of independents in terms of
5 the rates that the independents can receive.

6 JUDGE STRICKLER: I'm assuming that
7 percentage or that number are confidential
8 information?

9 THE WITNESS: I will defer to others on
10 that.

11 MR. HANDZO: We'll -- we'll have to check.
12 Actually, I suspect that it is not, but we'll check
13 and we'll, assuming it is -- well, one way or the
14 other, we'll let you know, either in restricted or
15 unrestricted session.

16 JUDGE STRICKLER: Very good. Thank you,
17 Mr. Handzo.

18 BY MR. HANDZO:

19 Q. And with respect to license agreements,
20 Mr. Orszag, did you have the license agreements
21 between each of the majors and Merlin with each of
22 the on-demand services?

23 A. Yes, I did.

24 Q. Now, for this next slide, I believe I need
25 to go into restricted session. I apologize for that.

1 I think it's just going to be this slide, so I think
2 we're talking about five minutes.

3 CHIEF JUDGE FEDER: Okay. We will go into
4 restricted session briefly. Will the host please
5 clear the virtual hearing room.

6 MR. SACK: Your Honors, please stand by.

7 We are beginning to clear the room now. If
8 you are an attendee in the Zoom meeting who is not
9 allowed to attend restricted session, please leave
10 the session by clicking the red Leave button on the
11 bottom right-hand side of your screen or click the X
12 at the top right-hand side. Your counsel will inform
13 you when you are allowed to return to the proceeding.

14 Please stand by, Your Honors and counsel,
15 while we clear the room.

16 (Whereupon, the trial proceeded in
17 confidential session.)

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1 O P E N S E S S I O N

2 MR. SACK: The room is open.

3 CHIEF JUDGE FEDER: Thank you, Mr. Sack. We
4 are back in open session.

5 Mr. Handzo, you may proceed.

6 MR. HANDZO: Thank you.

7 BY MR. HANDZO:

8 Q. All right. So at the outset yesterday,
9 Mr. Orszag, I think you talked about the fact that
10 any benchmarking analysis typically involves
11 adjusting for differences between the benchmark
12 market and the target market.

13 So can you just walk us through here the
14 adjustments that you considered making and which ones
15 you actually made?

16 A. Sure. I -- there are -- they fall into five
17 broad buckets. The first -- and we've talked about
18 three of these already, so the first is
19 interactivity. And I control for interactivity
20 directly by the differences in the revenues that are
21 earned in the -- from the various products at issue,
22 looking at the differences between the benchmark and
23 the target market.

24 There is effective competition, that is,
25 should one control for any differences between the

1 rates that one observes and an effectively
2 competitive marketplace. That's second.

3 The third is controlling for any differences
4 in the propensity or -- or the need for compensatory
5 skips in the benchmark and the target markets.

6 One should then -- the fourth one is looking
7 at any differences between promotion and substitution
8 effects between the benchmark and target markets.

9 And, lastly, is a consideration of
10 non-royalty benefits between the benchmark and target
11 markets. For example, and just to put -- we'll talk
12 about -- we'll talk about this some more -- data has
13 become an increasingly important part of the music
14 industry. And so as part of the agreements, the
15 interactive agreements, for example, the labels
16 obtain data from the interactive services.

17 However, as part of the statutory services,
18 that type of data, that very granular data that can
19 be extremely helpful to make business decisions, is
20 not part of those agreements. So one needs to
21 consider -- I do not make an adjustment for that, but
22 if one were to, it would be to increase the rates for
23 the target market.

24 But that is the type of issue in non-royalty
25 benefits.

1 JUDGE STRICKLER: Mr. Orszag, when we do get
2 into it and we talk about the value of data, will you
3 be giving some estimates as to the value of the data
4 that -- that is garnered by the labels or are you
5 just pointing towards it directionally?

6 THE WITNESS: I'm pointing to it
7 directionally. I have tried very hard, Your Honor,
8 to figure out a way to value that data and to see if
9 there's any market-based way to assign a value to it.

10 We know it's important. We know it's
11 valuable. But we do not know and we do not have an
12 ability to tease out how valuable and how much one
13 should adjust the rates. And given that I don't have
14 an empirical basis to make an adjustment, I just
15 discuss that empirically. That would suggest that
16 the rates should be higher for the statutory
17 services, but I do not make any incremental
18 adjustment because I don't have an empirical basis to
19 do so.

20 JUDGE STRICKLER: Thank you.

21 BY MR. HANDZO:

22 Q. But it wasn't for lack of trying.

23 A. No. It was not from a lack of trying. I
24 looked at whether we could test between the different
25 data and the different agreements. I looked at

1 whether they had ever sold the data or -- to a third
2 party. I tried to find any source that would give an
3 insight to the value of this.

4 And other than the fact that the
5 businesspeople talk about the value of the data, I
6 have not been able to tease out an estimate,
7 unfortunately.

8 JUDGE STRICKLER: I guess that dissertation
9 has yet to be written.

10 THE WITNESS: There's -- there is a paper
11 one day for somebody here.

12 BY MR. HANDZO:

13 Q. All right. So let's -- let's talk in the
14 next few slides about your interactivity adjustment
15 and how you went about that.

16 So on this next slide, we have the reference
17 to ratio equivalency and an equation that we pulled
18 from the Web IV determination. So can you explain
19 what's -- what's happening here and how you used
20 this?

21 A. So I get to give credit where credit is due,
22 to the Judges in Web IV for putting forward this idea
23 of ratio equivalency, in -- in presenting it here.
24 So the ratio is that the -- in essence, the royalty
25 rate as a share of price or presented here, it's

1 really price over royalty, will be equal in the
2 interactive market and the non-interactive market.

3 Q. Which would imply, I take it, that if the
4 price in the interactive market is higher than the
5 price in the non-interactive market, the royalty in
6 the interactive market will be proportionately higher
7 than the royalty in the non-interactive market?

8 A. That's --

9 Q. Did I say that right?

10 A. Yes, I believe you did --

11 Q. Okay. Okay.

12 A. -- but, yes.

13 Q. All right. So that is the general principle
14 that you applied in making your interactivity
15 adjustment?

16 A. That is correct.

17 Q. All right. Let me just pause here. My next
18 slide has restricted information on it. I think we
19 can navigate through it without actually speaking
20 about the numbers, but I do think there was one
21 person listed as being an attendee on the webcast who
22 isn't allowed to see it. So -- it was a
23 representative of NAB.

24 So if that person is still on the webcast,
25 we're going to need to remove them before I move to

1 the next slide.

2 CHIEF JUDGE FEDER: Was that -- that's not
3 how I had read the e-mail this morning. I had read
4 it that there was one person who could see it. I may
5 be mistaken on that.

6 MR. HANDZO: I think that person can only
7 see restricted information if it relates to NAB.

8 CHIEF JUDGE FEDER: Okay, thank you. So
9 would NAB's counsel please instruct that individual
10 to remove him- or herself from the virtual hearing
11 room -- for about how long, Mr. Handzo?

12 MR. HANDZO: I'd say it's going to be at
13 least half an hour.

14 CHIEF JUDGE FEDER: For about half an hour.
15 And counsel can inform that person when he or she may
16 rejoin.

17 MR. HUSENY: Thank you, Your Honor. Sadik
18 Huseny for NAB. We understand the individual from
19 NAB is not in the room, but we will make sure that
20 that continues.

21 CHIEF JUDGE FEDER: Thank you. You may
22 proceed, Mr. Handzo.

23 MR. HANDZO: Thank you.

24 BY MR. HANDZO:

25 Q. Okay. Now, Mr. Orszag, on this slide, I

1 think we have the numbers that you used. I'm hoping
2 that we can walk through this without you actually
3 saying the numbers. So let's just keep that in mind.

4 But with -- with that in mind, if I haven't
5 hamstrung you too much, just tell me where those
6 numbers are coming from.

7 A. So A is the equal to -- and without saying
8 the number, it's the revenue of Spotify's interactive
9 subscription service. So revenue will obviously be,
10 you know, price times quantity. So that will be the
11 revenue that Spotify earns for an interactive -- its
12 interactive services. Interactive services --

13 Q. And -- and let me pause you there for a
14 moment. Where do you get those -- that information
15 from?

16 A. From the royalty statements.

17 Q. Okay. Thank you.

18 JUDGE STRICKLER: Mr. Orszag, just a
19 question for you. In the demonstrative right before
20 that, you -- you define A, referencing Web IV, as the
21 average retail interactive subscription price. And
22 the A you have here on the next benchmark -- on the
23 next demonstrative, excuse me, is the interactive
24 subscription revenue, as opposed to a price.

25 Is that -- I'm trying to recall, is that a

1 matter of dispute between you and Professor Shapiro?

2 THE WITNESS: We are all using effective
3 prices. So I don't think this issue is a matter of
4 dispute between us, and really because there is no
5 longer a single price to use, and so there's -- one
6 could easily convert this into an average price, if
7 one wanted to, and average royalties. You're just
8 dividing by the same number.

9 So I don't think this is an area of dispute
10 between us.

11 JUDGE STRICKLER: Thank you.

12 BY MR. HANDZO:

13 Q. All right. And then your next for B, you've
14 got interactive subscription royalty payment. Again,
15 where does that come from?

16 A. That comes from the royalty statements
17 themselves.

18 Q. And, last, your C, non-interactive
19 subscription revenue. Where does that come from?

20 A. Again, that comes from the royalty
21 statements as well. And in this case, I am using the
22 non-interactive subscription revenues for Pandora,
23 Rhapsody, and iHeart.

24 Q. And do you have royalty statements for those
25 entities?

1 A. Yes, I do.

2 Q. Now, in the next bullet below, you show how
3 you do the calculation and you've essentially
4 rearranged the equation. I don't understand how that
5 works, but I think you can probably explain it.

6 A. It -- it's a simple rearrangement. If -- I
7 think the simplest way to think about it is if you're
8 trying to solve for D, you move D to the left-hand
9 side, which means that you have to move B and A to
10 the other side, which means they flip upside down,
11 and multiplied by C. This is basic math.

12 I don't think there is much disagreement
13 about the implementation of that conversion.

14 Q. Okay. And so solving the equation the way
15 you do, you wind up with a percentage of revenue,
16 effective percentage of revenue that is paid by
17 Spotify in this case, right? And we see -- we're not
18 going to say it -- but we see that percentage that
19 you reflect in the bottom bullet point, right?

20 A. That is correct.

21 Q. Okay. So just to follow up on a question
22 that Judge Strickler asked, let's say for A and B,
23 you converted both of those into effective revenue
24 per play and effective royalty per play.

25 Would that change the percentage at all?

1 A. If I can -- if I can divide A and B by the
2 same number, the percentage will stay the same.

3 Q. Right. So you would be dividing by the same
4 number of plays, right?

5 A. That is correct.

6 Q. And same thing with if you wanted to do it
7 on a per-sub basis, you just divide both numbers by
8 the number of subscribers, you come out with the same
9 percentage?

10 A. That is correct.

11 Q. Now, I see in this equation you multiply
12 that percentage -- I'm sorry, you multiply C, the
13 non-interactive subscription revenue, by that
14 percentage. And that gives you the number reflected
15 on this slide.

16 So what -- after doing these calculations,
17 what is the next step?

18 A. After doing these calculations, the next
19 step that I undertake is to put -- convert these into
20 a per-play rate.

21 Q. All right. So I --

22 A. Okay.

23 Q. I -- I think we have a slide, so let's go
24 there. We're out of order a little bit. I'm going
25 to skip to -- skip a slide, and we'll come back to

1 it, I promise.

2 There we go. Okay. Is this where you then
3 convert to a per-play rate?

4 A. That is correct.

5 Q. Okay.

6 JUDGE STRICKLER: How many -- how many
7 demonstratives forward is that, Mr. Handzo?

8 MR. HANDZO: I'm sorry, it's -- we just
9 skipped one slide.

10 JUDGE STRICKLER: I -- I've got it. Thank
11 you.

12 BY MR. HANDZO:

13 Q. Now, again without saying numbers, other
14 than, of course, the rate you derive, where do you
15 get the number of -- well, first of all, I take it
16 what you're doing is just dividing the number we got
17 in the prior slide by the number of plays in the
18 non-interactive market; is that fair?

19 A. That is correct.

20 Q. All right. And where do you get that number
21 of plays from?

22 A. Again from the royalty statements.

23 Q. Now, in the next bullet below, you explain
24 why that addresses the question of -- of the
25 benchmark market not paying for skips and the target

1 market paying for skips, but just can you walk us
2 through that thought process?

3 A. Sure. The -- the vast majority of these
4 plays that -- of the number that is starting with 3,
5 I can say because I don't think that reveals very
6 much, is from Pandora. And Pandora pays for skips,
7 just as a statutory service pays for skips.

8 So by using that number, I am controlling
9 for and taking into account the fact that interactive
10 services do not pay for skips but statutory services
11 do. So I'm including that in my analysis and
12 directly, so I don't need an incremental skips
13 adjustment with regard to Pandora, which represents
14 the vast majority of -- of these estimates.

15 And so that's why I do not do an incremental
16 skips analysis.

17 Q. All right. So just for the math-challenged
18 among us, I take it by including -- because skips are
19 included in the Pandora numbers, that gives you a
20 higher number of plays than if they didn't include
21 skips, right?

22 A. That is correct.

23 Q. Okay. Good.

24 And using the higher number of plays means
25 you wind up with a lower effective per-play rate for

1 your proposed rate?

2 A. That is correct.

3 Q. Good. All right.

4 Now, you mentioned earlier, I believe, that
5 your data for the non-interactive market, both
6 revenue and plays, comes from Pandora, iHeart, and
7 Rhapsody/Napster. You said Pandora pays for skips
8 and reports them. What about iHeart and Napster?

9 A. They do not.

10 Q. Okay. And how would that affect your
11 calculation if you were able to include skipped plays
12 for iHeart and Rhapsody/Napster?

13 A. If I accept blindly the skips rate that
14 Professor Shapiro puts forward of 11 percent, it does
15 not change my proposal at all. And I've already
16 described the reasons why I think that that
17 11 percent is overstated in both how one would both
18 calculate it and then implement it. I did that
19 yesterday.

20 And I'm more than happy to explain again,
21 but if one were to implement that, it would not
22 change my estimate from point -- well, I can't say
23 the number, but my proposed rate here.

24 Q. Okay. And, again, just to make sure we
25 understand how this all works, in the way you did

1 this analysis, you figured out the -- in a sense, the
2 total revenue that should be -- sorry -- total
3 royalty that should be paid by the non-interactive
4 services, and then divided by the number of plays,
5 right?

6 A. That is correct.

7 Q. Okay. But you could have done it the other
8 way around, first divided the revenue for the
9 non-interactive services by the number of plays and
10 then multiplied it by your interactivity adjustment;
11 is that fair?

12 A. That -- that is fair, if you're using the
13 correct number of plays, yes. Yes.

14 Q. Okay. So then let's just go back to the
15 prior slide. In your testimony a few minutes ago,
16 you talked about the fact that interactive services
17 generally pay on a percentage-of-revenue basis and
18 sometimes on a per-sub basis.

19 Why, then, are you proposing a per-play rate
20 here?

21 A. It's a very good question. And -- and there
22 are a number of reasons why it makes sense to
23 convert, once one has analyzed the appropriate
24 percentage-of-revenue to use, convert it into a
25 per-play rate, because it's often difficult to

1 measure revenue, especially for services that are
2 bundled.

3 As we know from SDARS III, for example, the
4 split between non-music and music content can often
5 be a challenge to calculate. And so that becomes --
6 when you have multiple services, that becomes -- that
7 issue becomes compounded. And then you have the
8 issue that you have folks who are using music with
9 different intensities, so one would have to, you
10 know, adjust for that issue.

11 And then you have difficulties in measuring
12 revenue for, let's imagine, a -- I use this example
13 in either my written direct or my written rebuttal
14 testimony -- social media service that decides to
15 launch a music service.

16 If I left it with a percentage of revenue,
17 what is the appropriate measure of revenue to use for
18 that service that the social media, my hypothetical
19 social media company, is offering music for? They
20 may claim it's zero. And it may be very difficult to
21 disentangle the revenue associated with this
22 incremental music service.

23 So by converting it into a per-play rate, it
24 has the benefits of being administratively far easier
25 to implement for the services and the labels on a

1 going-forward basis. So there are benefits to doing
2 this, and that's why I propose a per-play rate, even
3 though that is not the governing rate in the
4 marketplace today.

5 Q. And it says this on the slide, but just to
6 make sure we get it into the record, when you say
7 that interactive services almost always pay on a
8 percentage-of-revenue basis, is that true for Spotify
9 Free, as well as the Spotify subscription service?

10 A. That is correct.

11 CHIEF JUDGE FEDER: Mr. Orszag, is the --
12 the difference between the Web IV time frame and now,
13 is this a difference in the way the agreements have
14 been constructed or is it a change in the underlying
15 economics of the industry?

16 THE WITNESS: I would say it is a
17 combination of both. At the time of the SDARS case,
18 the -- the agreements tended --

19 CHIEF JUDGE FEDER: Do you mean Web IV?

20 THE WITNESS: -- are we in restricted
21 session? I just want to make sure I can --

22 CHIEF JUDGE FEDER: We are not in restricted
23 session. We are in open session.

24 THE WITNESS: Okay. That's fine. I will
25 talk -- I will talk, taking that into account. At

1 that time, the agreements tended to be greater of a
2 per-play or a percentage-of-revenue. And the
3 per-play rate often governed at that time.

4 As the market changed and the
5 percentage-of-revenue was the rate that governed far
6 more often, the agreements were updated to reflect
7 that market reality that the new -- so the new
8 agreements now focus far more on percentage of
9 revenue in per subscriber and have displaced per
10 play, as best I can tell, because the per-play prong
11 was becoming less and less relevant in the
12 agreements.

13 So it's a combination of both the market
14 changing and then the agreements reflecting the
15 marketplace.

16 CHIEF JUDGE FEDER: Thank you.

17 JUDGE STRICKLER: Mr. Orszag, I have a
18 question for you on this -- this demonstrative.

19 In the penultimate bullet point, you write
20 "Percentage-of-revenue is difficult to apply to
21 services offered as part of a bundle of other
22 services."

23 In order to avoid that, as you point out,
24 you convert to a per-play rate. By converting to a
25 per-play rate, does that mean that whatever the value

1 in the bundle may have been for -- for non-music is
2 now incorporated in the music anyway in the form of
3 the per-play rate?

4 THE WITNESS: I don't think so because I'm
5 using per-play -- I'm using pure play services, pure
6 music play services, as my benchmark.

7 The Spotify is -- is a music service. So
8 I'm obtaining the value of music from the Spotify
9 agreement, and then that is the governing rate. So I
10 don't think that runs into a -- taking the non-music
11 content into that.

12 It allows for the music to be appropriately
13 priced, and then whatever incremental value that
14 service can get from non-music content will be
15 reflected in their overall profitability in their
16 financial performance.

17 JUDGE STRICKLER: I see. Thank you.

18 BY MR. HANDZO:

19 Q. All right. We can skip the next slide
20 because we just talked about it. And now we are
21 talking about your analysis for non-interactive
22 ad-supported. And just to confirm, everything we've
23 been talking about up to this point was your analysis
24 of subscription, correct?

25 JUDGE STRICKLER: Excuse me, Mr. Handzo.

1 I'm sorry to interrupt, but I want to just go back to
2 my question, because I guess I'm on a bit of a delay
3 here as I try to -- mentally as I try to synthesize
4 this.

5 So when you -- the reason you have to
6 convert to a per-play rate is because in the -- not
7 in the target market but in the benchmark market, you
8 may have -- you may have a bundling of revenue; is
9 that the point?

10 THE WITNESS: No. In -- in the benchmark
11 market, we haven't -- there's no bundling of revenue
12 issue at all, because I'm using -- my benchmark is
13 Spotify. The issue is it would not be appropriate to
14 -- let's -- hypothetically -- a hypothetical may help
15 us here.

16 We have the percentage of revenue, which has
17 been on the screen for Spotify. It would be
18 inappropriate if we applied that percentage of
19 revenue, say, to Facebook's entire business, as an
20 example, if Facebook offered a statutory service, or
21 to SiriusXM. One would have to adjust for the -- the
22 contributions that the music adds.

23 But since music is a -- is what is driving
24 Spotify, we're getting the value of music from that,
25 so that's the benchmark market. And we need to

1 ensure that the target market matches the benchmark
2 market, and that's what we're doing by converting it
3 into a per-play rate. And it avoids the issues of
4 all of the other content that a target service can
5 have.

6 And, actually, let me be clearer here. If
7 it's -- if a target service is adding this onto
8 something they already have, so imagine a Sirius
9 adding a statutory service prong, that -- that's what
10 we are concerned about. That's what we need to make
11 sure that they are not overpaying.

12 JUDGE STRICKLER: Okay. So if I understand
13 this correctly, so your benchmark market, as you
14 point out, is Spotify, which is -- in essence, you're
15 describing it as pure play, and you're applying the
16 rates in the -- that benchmark market to another pure
17 play market, which is the non-interactive.

18 So if we're doing that kind of apples to
19 apples pure play to pure play, that doesn't -- would
20 not necessitate going to a per-play rate; you could
21 have just kept it as a percentage-of-revenue rate,
22 couldn't you?

23 THE WITNESS: That -- if all of the
24 statutory services were pure -- pure plays, then the
25 answer is yes. If there was no potential issues with

1 allocating revenue, then the answer would be
2 absolutely one could do it as a percentage of
3 revenue.

4 We just know from a variety of different
5 points that the statutory services could be an add-on
6 to another service, so finding the appropriate
7 percentage -- revenue to use can then -- just adds a
8 element of complication.

9 And by converting it to per play, you avoid
10 the transactions cost associated with figuring out
11 the revenue more precisely.

12 JUDGE STRICKLER: Thank you, Mr. Orszag.

13 BY MR. HANDZO:

14 Q. And just to -- we'll get to this later, but
15 just for example, Mr. Orszag, are you familiar with
16 the fact that the NAB argues here that their
17 simulcasters use music less intensely than a
18 pure-play webcaster?

19 A. Correct, so they're using -- their
20 simulcasters may have both music and, say, talk or
21 weather or news on a station in a particular hour.
22 And so if one -- this is a good example. If one were
23 to take the percentage of revenue for that
24 simulcaster, say, for that hour, one -- some of the
25 value that consumers get from news/talk/weather would

1 then be paid to the labels, and that would be
2 overpaying the labels, which is not what we are
3 trying to do.

4 We're trying to ensure that the labels are
5 fairly compensated, not overcompensated.

6 Q. So under the per-play metric, if the
7 simulcaster is using 10 songs an hour and the
8 webcaster is using 15, they're going to pay a
9 different total amount, correct?

10 A. They're going to pay -- under my proposal,
11 they pay the same per-play amount. They pay a
12 different total amount, that is correct.

13 Q. So let's -- let's talk about your analysis
14 for ad-supported services. And you say here in the
15 top of this bullet that you used the
16 percentage-of-revenue effective rate for Spotify's
17 subscription tier.

18 So tell us why you chose to do it that way.

19 A. Well, I start with this from the -- the
20 benchmark of the subscription service for Spotify
21 because it's not infected with the challenges, the
22 problems that I identified earlier with regard to the
23 Spotify ad-supported tier.

24 And so I start with the subscription tier
25 because, in my opinion, it's a more appropriate

1 benchmark. With that said, as a percentage of
2 revenue, the differences between the two are quite
3 modest and would have a very small effect on my
4 proposal, so on my benchmark.

5 Q. In terms of your -- your choice to use the
6 subscription Spotify as the benchmark, you say in the
7 first sub-bullet here that "ad-supported users are
8 increasingly willing to pay for interactive
9 services." And what's your basis for saying that?

10 A. There's a host of data, and it's in my
11 various reports, about how -- and really my written
12 rebuttal testimony, to be precise, about how
13 consumers have increasingly converted from
14 ad-supported services to interactive services and
15 that the services have gotten better at converting
16 subscribers from an ad-supported tier to an
17 interactive tier.

18 And so that's showing the -- that the
19 ad-supported users are increasingly willing to
20 convert because the conversion rates have increased.

21 Q. And you also say here that users who remain
22 on the ad-supported tier pay with their time. So
23 what's the point there?

24 A. It's obviously free to be on an ad-supported
25 tier in terms of the monetary costs, but what you

1 suffer, instead of being out-of-pocket money, is you
2 have to listen to ads. So the cost to a consumer of
3 an ad-supported service is not a monetary fee but,
4 rather, the time spent listening to advertisements.

5 And that has costs. So it's the cost of not
6 having music during that time but, rather, listening
7 to advertisement.

8 JUDGE STRICKLER: Mr. Orszag, but why is
9 that cost, that is to say, the opportunity cost or
10 the nuisance cost, perhaps, of listening to
11 advertisement relevant when we're trying to set an
12 upstream royalty rate? They don't spend their time
13 doing volunteer work for the majors; they spend their
14 time either trapped in annoying ads or listening to
15 helpful ads or going to the bathroom or making a
16 sandwich and doing whatever else they're going to do,
17 while the advertisement is on.

18 So the fact that they incur that cost may
19 have implications for their own determination and
20 willingness to pay for a subscription service, but
21 what does that have to do with regard to the upstream
22 royalty calculation?

23 THE WITNESS: Well, so what we're trying to
24 understand is consumer -- differences in consumers'
25 willingness to pay. And so consumers are willing to

1 pay for an ad-supported tier with their time.

2 Consumers are willing to pay to a subscription tier
3 with their money.

4 And so the -- the price in some sense here
5 is time. And then the question is how do we
6 approximate the value of that time? I use the ad
7 dollars that are earned by the service as my estimate
8 of the value for -- for the willingness to pay. And
9 it reflects and it actually turns out that the
10 ad-supported tier, consistent with ratio equivalency,
11 the revenue per -- the royalty per revenue, the ratio
12 of the percentage of revenue is the same across those
13 two tiers or very similar. It's obviously not
14 precisely the same, but it's very close.

15 JUDGE STRICKLER: Well, they're paying --

16 MR. HANDZO: Well, why don't --

17 JUDGE STRICKLER: Excuse me, Mr. Handzo.
18 They're making a determination to forgo paying with
19 their time and paying instead with their money, but
20 the product that they're buying, the -- the
21 subscription service, if we were talking about
22 Spotify ad-supported versus Spotify subscription, is
23 a modified product.

24 And one of the -- one of the basic points of
25 price discrimination, which Spotify follows very

1 well, is to degrade the ad-supported service relative
2 to the subscription service. So not only do you not
3 want to pay the time in time for listening to
4 advertisement, but you get a better product as well.

5 So aren't you really paying both for higher
6 functionality and the loss of the -- of the payment
7 by use of your time?

8 THE WITNESS: There are some component --
9 the difference in the revenue will reflect the
10 difference in both -- that you have improved
11 functionality, as well as no ads. Those are both
12 functional differences between the ad-supported tier
13 and the fully -- the fully on-demand tier. You are
14 correct.

15 JUDGE STRICKLER: Thank you, Mr. Orszag.

16 MR. HANDZO: Let me just -- I was just going
17 to say, I think, Judge Strickler, your questions led
18 us nicely into the next slide, so we may actually
19 talk a little bit more about this. So --

20 JUDGE STRICKLER: Now I'm doing volunteer
21 work for the labels.

22 MR. HANDZO: And we appreciate it.

23 BY MR. HANDZO:

24 Q. The -- you were talking, Mr. Orszag, about
25 the consumers paying with their time, but ultimately

1 that does translate into dollars, does it not, for
2 the service?

3 A. That is correct.

4 Q. And it translates into advertising revenues?
5 Is that right?

6 A. That is -- the role of an ad-supported
7 service is to attract listeners on one side and
8 attract advertisers on the other. And they are
9 selling the advertisers on the ears that they will
10 get and the benefits that then accrue, obviously, to
11 those advertisers.

12 JUDGE STRICKLER: Mr. Orszag, would you say,
13 therefore, that the ad-supported services,
14 non-interactive -- well, let's not distinguish
15 non-interactive from interactive.

16 Would you say that the non-interactive --
17 let me try this again -- the ad-supported streaming
18 services are in the nature of platforms more so than
19 the subscription services?

20 THE WITNESS: I mean, they're both forms of
21 -- I would say they're both platforms, but there --
22 what they're -- who they're selling to and how
23 they're selling are slightly different. In the
24 subscription world, they're -- they're a platform in
25 the sense that they're bringing music on the one side

1 and consumers on the other side together. And the
2 platform is forming that element of the platform.

3 In the ad-supported, they've added another
4 complication to it. Not only are you bringing music
5 and users together; you're now bringing advertisers
6 into it. So they're both platforms. It's just the
7 ad-supported platform has -- they were trying to
8 bring three parties to the table instead of really
9 two.

10 JUDGE STRICKLER: Exactly. So it's a
11 three-sided platform for ad-supported versus arguably
12 a two-sided platform in the subscription world?

13 THE WITNESS: That is correct.

14 JUDGE STRICKLER: Thank you.

15 BY MR. HANDZO:

16 Q. Okay. So I think what we were saying before
17 is that the consumer's willingness to listen
18 translates into ad dollars for the service; am I
19 right so far?

20 A. That is correct.

21 Q. All right. And does the service's
22 willingness to pay for the music relate to the ad
23 revenues that it then generates from the consumer's
24 willingness to listen?

25 A. Yes, and they're trying to balance these

1 different competing concerns. So they're trying to
2 have good music to attract users that then attracts
3 advertisers.

4 Q. So when you do your interactivity adjustment
5 for non-interactive ad-supported, what are you using
6 to do that interactivity adjustment?

7 A. I'm using the -- the revenues of Pandora's
8 ad-supported service and iHeart's ad-supported
9 service.

10 Q. And you say here in this bullet that you
11 feel that that addresses the Judges' concerns in Web
12 IV, about willingness to pay of ad-supported users.
13 I think we covered that, but is there anything more
14 that you want to say about that?

15 A. No. I think I actually -- it's probably
16 important to just note that, prior to entering into
17 adjustments, and we're going to talk about
18 adjustments, there's no -- Dr. Peterson and I's
19 estimate of the per-play rate, the per-play benchmark
20 is basically the same.

21 And so I think this helps to alleviate
22 potential concerns here and for -- to show that there
23 is some comparability in terms of analysis. He
24 proposes, I believe it's .002 -- well, actually, I
25 have to be careful about -- are we --

1 Q. Yes. I think we are still in open session.

2 A. Okay. So he proposes a rate, whether you
3 include -- he has a -- he increases his rate for
4 advertisement credits that bound my rate. So it's
5 basically we are within a very, very small amount of
6 each other.

7 Professor Shapiro's rate, before he makes
8 adjustments, is quite different because he doesn't
9 make the true-up for Warner Music. And so I'm going
10 to discount that because he hasn't even proposed one
11 that is based on the actual data. But the point is
12 that we're all sort of -- when we start with a
13 benchmark, the differences here are really not the
14 benchmark but really the adjustments.

15 And that is what the focus in some sense
16 will end up, I think, we need to focus on, whether
17 those adjustments are appropriate and needed, given
18 how the calculations are actually done. And as I
19 think I've described, the adjustments I make, I
20 think, are appropriate, whereas the ones I think they
21 have done are -- are not.

22 Q. Okay. I'm going to advance the slide. This
23 slide does have confidential information on it, so,
24 again, I would -- in staying in open session,
25 Mr. Orszag, if you just don't say the numbers.

1 And I understand that NAB has confirmed that
2 their -- the individual who can't see this stuff
3 isn't on. So we don't -- I don't think we need to do
4 anything there.

5 Oops. Went one too far. Here we go. All
6 right. So, Mr. Orszag, can you again walk us through
7 how you did this calculation? It looks like the same
8 equation that you used for subscription. Is that
9 right?

10 A. That is correct. So this, hopefully, looks
11 a little bit familiar. A and B have not changed.
12 Those are the same numbers as we had before.

13 C has changed. C is now -- instead of being
14 the non-interactive subscription revenue, it's
15 non-interactive ad-supported revenues. And so I use
16 that number and then run through the calculations
17 that you can see in the bottom part. And that
18 produces my estimate.

19 Q. Okay. And, by the way, doing it this way
20 where you're using, for A and B, the information from
21 the subscription interactive service, does that mean
22 you're interactivity adjustment is the same for
23 ad-supported and subscription or -- or not?

24 A. No, it's not. Because I'm taking --

25 Q. Because your --

1 A. I'm taking directly into account the way
2 that consumers would value that as reflected in the
3 revenue data.

4 Q. Right. So to the extent that the
5 ad-supported revenue is lower than it would be for
6 subscription, that's going to be reflected in the
7 interactivity adjustment?

8 A. That is correct. Well, it's reflected in
9 the actual calculation.

10 Q. And what you're calculating here is the
11 interactivity adjustment?

12 A. That is correct.

13 Q. Okay. And then once again, Mr. Orszag, you
14 turn this into a per-play rate. Anything different
15 here about the process compared to what you did for
16 the subscription side?

17 A. No. I take the plays from the royalty
18 statements for Pandora and iHeart. It's a much
19 bigger number here, and, as a result, we have -- and,
20 obviously, the -- the revenue number is very
21 different as well -- and it then produces an estimate
22 on a per-play basis that reflects my proposal.

23 Q. And, again, you say that you -- that you've
24 taken skips into account in the way that you perform
25 this calculation. Again, is there any difference in

1 the analysis here than there was with respect to the
2 subscription market?

3 A. No, it's identical. That there's no
4 additional incremental skips adjustment that's
5 necessary, since Pandora already pays for skips. So
6 my estimate is reflective of that adjustment already.
7 If one were to add a -- a skips adjustment for
8 iHeart, it would not change my estimate from .0025.

9 Q. I'm going to move on, then, Mr. Orszag, to
10 your conclusions with respect to whether you felt you
11 needed to make an effective competition adjustment.
12 And, unfortunately, that does require me to move into
13 restricted session, at least for probably about five
14 minutes.

15 CHIEF JUDGE FEDER: Okay. We will enter
16 restricted session for about five minutes, after
17 which we will take our morning break for another 15
18 minutes.

19 Will the host please clear the virtual
20 hearing room.

21 MR. SACK: Thank you, Your Honor. Please
22 stand by. We are beginning to clear the room now.
23 If you're an attendee in the Zoom meeting who is not
24 allowed to attend restricted, please leave the
25 session by clicking the red Leave button on the

1 bottom right-hand of your screen or the X at the top
2 of the right-hand side of your screen. Your counsel
3 will inform you when you are allowed to return to the
4 proceeding.

5 Please stand by, Your Honors and counsel,
6 while we work to clear the room.

7 (Whereupon, the trial proceeded in
8 confidential session.)

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1 O P E N S E S S I O N

2 CHIEF JUDGE FEDER: Okay. If the host will
3 please reestablish the public feed, we can begin.

4 MR. SACK: Thank you, Your Honor. Please
5 stand by.

6 The feed is live, Your Honor.

7 CHIEF JUDGE FEDER: Thank you, Mr. Sack. We
8 are back in open session.

9 Mr. Handzo, please proceed.

10 MR. HANDZO: Thank you, Your Honors.

11 BY MR. HANDZO:

12 Q. Now, Mr. Orszag, when we broke we were
13 talking about effective competition and whether you
14 thought there was a need to make an adjustment there.

15 And one of the things you were talking about
16 was whether the services, some of them in particular,
17 might be now must-haves for the record companies.

18 So, first of all, let's just set this sort
19 of theoretical stage. Why does that matter? Why is
20 that important?

21 A. Because we are looking for prices that
22 reflect workable competition and/or effective
23 competition, and we are assuming that the labels are
24 must-haves, so we're taking that as a given.

25 And the question is has the market position

1 of a Spotify, for example, which is the basis of my
2 benchmark, changed in recent years such that Spotify
3 has the type of market position that allows it to
4 obtain prices that are consistent with workably
5 competitive markets.

6 I include a quote here, which is in my, I
7 believe, my written direct testimony, but it could be
8 in the written rebuttal testimony, that the Judges
9 observed in Web II that, if you have two firms with
10 significant market power or bargaining power, those
11 prices will reflect effective competition.

12 And so the goal -- the question here is has
13 Spotify obtained that type of position in the
14 marketplace, such that its rates are different from
15 other players in the market and reflect the workings
16 of workable competition.

17 Q. And your conclusion?

18 A. My conclusion is that they have.

19 Q. Okay. And you say here that headline rates
20 and effective rates have fallen since the operative
21 agreements in Web IV.

22 First question, I guess, had there been rate
23 decreases before Web IV?

24 A. Yes, there had.

25 Q. But there have been further decreases since

1 Web IV?

2 A. According to my analysis, both of the data
3 and the agreements, yes, there have been.

4 Q. Since we're talking --

5 JUDGE STRICKLER: Excuse me, Mr. Handzo.
6 I'm sorry.

7 Mr. Orszag, are you familiar with the
8 economic concept of contestable markets?

9 THE WITNESS: Yes, I was a -- when I was
10 much younger I was a student of Dr. Willig, and so he
11 is the -- has written extensively on contestable
12 markets. And so I obviously was taught that at a
13 very young age.

14 JUDGE STRICKLER: So let me ask you, do you
15 consider the interactive streaming market to be a
16 contestable market? And first maybe you can define
17 that term for the record, as you understand it.

18 THE WITNESS: So I'm going to first answer,
19 so contestable markets are markets in which the
20 possibility that you don't actually necessarily need
21 entry for competitive rates to occur because the
22 market players know that, if they did not respond
23 accordingly, that that would just make the market --
24 somebody would enter and that would be -- make them
25 worse off.

1 So they are better off pricing efficiently,
2 competitively, to reflect the contestability of the
3 marketplace. And so there's definitely elements of
4 that here because, you know, as we see, Apple found a
5 market opportunity for it to enter.

6 And the businesspeople fully understand the
7 nature of how competitive this marketplace is for
8 them in terms of obtaining music and what they have
9 to do in terms of succeeding in obtaining positive
10 rates and good rates in the downstream market.

11 JUDGE STRICKLER: Does the contestability of
12 the market for Apple -- or that Apple and Spotify are
13 in now with regard to either potential competitors,
14 which is what the contestable market theory is about,
15 or the actual competitors, who have smaller market
16 shares, such as Google and Amazon, for example, does
17 that put a limit on the -- on the market power of
18 Spotify and Apple with regard to their negotiations
19 with their upstream suppliers; that is to say, the
20 major record companies?

21 THE WITNESS: I -- I haven't conducted that
22 analysis in that way and so I can't give you a
23 precise answer. And the nature of how entry and
24 potential entry and smaller competitors impact
25 pricing is, in the downstream market, is not an

1 analysis that I have undertaken. But let me make a
2 few observations, if I may.

3 JUDGE STRICKLER: Well, just before you do,
4 before you do, and I want to hear your observations
5 in response to my question, but my question was with
6 regard to does the existence of actual competitors
7 with smaller market shares, not small competitors,
8 but smaller market shares, like Apple or Google,
9 impact the market power that Spotify and/or Apple
10 have vis-à-vis their negotiations with their upstream
11 suppliers, not in the down -- I'm not asking you
12 about the downstream market?

13 THE WITNESS: Okay. Sorry. I misunderstood
14 your question.

15 So, well, the answer is it must have an
16 effect for a variety of reasons. And let me explain.

17 Imagine a world without Spot -- say, those
18 other competitors, say a Google or other subscription
19 services or an Amazon. That may embolden a Spotify
20 even more.

21 But that also plays into the calculus here
22 as well, if we think about what would happen if a
23 label cut off a service. And this is, you know, part
24 of the calculation as well in that negotiation.

25 So let's suppose a Universal walked into

1 Spotify and said: Look, if you don't give me a high
2 rate, I am not going to license my music to you.

3 Universal would have to assume, make some
4 assumption of what would happen eventually as
5 subscribers to Spotify peeled off. And Professor
6 Shapiro has done some research in this area, where he
7 assumes that the peeling off -- not in the music
8 industry, but in more generally about economic theory
9 in terms of merger analysis -- assumes in his upward
10 price pressure model that you have proportional
11 diversion.

12 So that diversion goes to other services in
13 proportional to their residual share. So what is
14 that? So if we take, say -- let's just use round
15 numbers for a second to make it -- I am not using
16 these as actuals, but I am just using them as round
17 numbers -- if Spotify were 50 percent of the market,
18 Apple were 25 percent of the market, and there were
19 25 other services that had 1 percent of the market --
20 I'm making my math easier for myself -- when you
21 think about residual share, you take Apple -- I mean,
22 Spotify out of the market, take their 50 percent, you
23 ask of the remaining 50 percent how do the market
24 shares get allocated.

25 And basically Apple would become 50 percent

1 and everybody else would become 2 percent, the other
2 25 services, and you assume that the subscribers
3 would divert in that proportion.

4 But if that were to happen, that would just
5 strengthen Apple's hand. And strengthening Apple's
6 hand, having one sort of large service, would be a
7 potentially big issue and potentially detrimental to
8 the labels as well because then they are highly
9 reliant on that one service instead of two larger
10 services.

11 So there's multiple elements to this that
12 are playing in different directions. So I agree with
13 the proposition that the presence of those smaller
14 streaming services certainly have a competitive
15 impact on Spotify in the upstream negotiation, but so
16 does the structure of that market have an impact on
17 the labels as well in their negotiation with -- with
18 Spotify and Apple.

19 JUDGE STRICKLER: Thank you, Mr. Orszag.

20 BY MR. HANDZO:

21 Q. Mr. Orszag, just to sort of complete this,
22 and then we will -- well, we will keep talking about
23 it.

24 But as we talk about effective competition,
25 is there some bright line test that we can apply to,

1 say, this market is workably or effectively
2 competitive and this other one isn't?

3 A. No. These are shades of gray. And markets,
4 markets -- the textbook models of perfect competition
5 are few and far between. And so these are areas of
6 gray. And markets can be less workably competitive
7 or less effectively competitive and more effectively
8 competitive.

9 It's pretty rare where you find one that
10 goes on the other -- keeps going along the spectrum
11 to a form of perfect competition.

12 That usually is more for economics textbooks
13 than the real world.

14 Q. Now, let's just flip to the next slide here.
15 We have been talking about the growing importance of
16 on-demand services, Apple and Spotify in particular.

17 So can you give us the soundbite takeaway of
18 what this is showing us?

19 A. I mean, I think it's something that is
20 obvious to anyone who has been focused on the music
21 industry, that the sources of revenue for the record
22 labels have fundamentally changed in the past five
23 years.

24 Where digital downloads was an important
25 element, and still CDs and physical copies were

1 important in 2015, and paid subscriptions were a
2 relatively modest percentage, 17 percent, now paid
3 subscription is a majority of the revenue that the
4 U.S. recording industry earns.

5 And, you know, especially if you include the
6 mid-tier services. It's now -- it would be
7 62 percent.

8 And the other forms of compensation that
9 they receive, digital downloads and physical, have
10 plummeted. It's no longer 34 percent of revenue for
11 digital downloads. It's now 9 percent. And physical
12 is, instead of being 28 percent, is now 9, 9 percent.

13 So the paid subscription segment, that
14 distribution channel has increased dramatically and
15 significantly in the last five years.

16 Q. Okay. And this appears to be more of the
17 same, but anything else we should take away here?

18 A. This now focuses on two companies within
19 that paid subscription segment, distribution channel,
20 which is -- which are Spotify and Apple. And I think
21 the two takeaways are Spotify has grown very rapidly
22 and has a very significant worldwide presence.

23 And the second element is Apple, which
24 launched in June of 2014, with obviously zero
25 subscribers on day one, is now a significant player

1 and quite large, relatively larger in the United
2 States and relatively weaker overseas than Spotify,
3 which is very strong, especially in the Nordic
4 countries and the Latin American countries.

5 Q. Now, I think that this is a restricted slide
6 and, again, I believe we don't have anyone watching
7 who can -- who is not allowed to see this, but so
8 that we don't go into restricted session just tell us
9 what this is showing us, but don't use the actual
10 numbers.

11 A. Sure. It is basically showing different
12 measures for subscribers, gross revenues, plays in
13 royalties for Spotify and Apple. And what it shows
14 is very sharp increases in all these metrics.

15 I should just note, given that Apple
16 launched in 2015, the far right column looks at the
17 percentage change from '16 to '18 for Apple, but '15
18 to '18 for Spotify, because for Apple 2015 was not a
19 full year of data.

20 And so what this shows is very significant
21 increases in every metric. And when a number is
22 above 100 percent, that means it's more than doubled
23 in a very short time period.

24 MR. HANDZO: For my next slide, Judge Feder,
25 I do think I am going to need to go into restricted

1 session, if I may.

2 CHIEF JUDGE FEDER: For about how long?

3 MR. HANDZO: I think this will just be seven
4 or eight minutes, and then we will be able to come
5 back out for a little bit.

6 CHIEF JUDGE FEDER: Thank you. We will go
7 into restricted session for seven or eight minutes.
8 Will the host please clear the virtual hearing room.

9 MR. SACK: Thank you, Your Honor. Please
10 stand by. We are beginning to clear the room now.

11 If you are an attendee in the Zoom meeting
12 who is not allowed to attend restricted session,
13 please leave the session by clicking the red leave
14 button on the bottom right-hand of your screen or
15 click the X at the top right-hand side.

16 Your counsel will inform you when you are
17 allowed to return to the proceeding.

18 Please stand by, Your Honors and counsel,
19 while we work to clear the room.

20 (Whereupon, the trial proceeded in
21 confidential session.)

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1 O P E N S E S S I O N

2 MR. SACK: The room is unlocked and the
3 session is live, Your Honor.

4 CHIEF JUDGE FEDER: Okay. We are back in
5 open session. Mr. Handzo, you may continue.

6 MR. HANDZO: Thank you.

7 BY MR. HANDZO:

8 Q. Mr. Orszag, on this slide you're talking
9 about Spotify's ability to curate and manipulate
10 content consumption and how that has changed and how
11 that affects their bargaining power.

12 So, first of all, let's start with Spotify
13 controls certain playlists and algorithmic streaming,
14 does it not?

15 A. That is correct.

16 Q. And the extent of those Spotify-controlled
17 playlists and algorithmic streams, has that changed
18 since the time of Web IV?

19 A. Yes. And those playlists were, the
20 service-generated playlists, basically, launched
21 sometime at the end of 2013 or '14.

22 And Discover Weekly, one that is used for a
23 new artist, launched in 2015. I mean, Spotify just
24 put out a factoid about Discover Weekly that it had
25 been played for 2.3 billion hours at this point

1 worldwide. Billion hours. Not songs, not -- hours.
2 So it's a very significant -- these playlists are
3 very significant.

4 They, at the end of 2017, they represented
5 32 percent of plays. And Spotify has said publicly
6 that that rate has continued to grow since that time.
7 They haven't released specific numbers but they have
8 said that it continues to grow in importance.

9 One can observe their top playlists. And
10 their top playlists are overwhelmingly their
11 service-generated ones.

12 CHIEF JUDGE FEDER: Mr. Steinthal?

13 MR. STEINTHAL: Yes, Ken Steinthal for King
14 & Spalding for Google. I'm going to object to the
15 last answer as being totally hearsay.

16 There is no cite to what this more recent
17 information is. And it's clearly something he says
18 Spotify said.

19 CHIEF JUDGE FEDER: I just want to go back
20 and read that response. Mr. Handzo?

21 MR. HANDZO: Your Honor, I'm -- I'm fine
22 with just -- let me reframe the question and just we
23 will go with that answer, which is simply this, Mr.
24 Orszag.

25 BY MR. HANDZO:

1 Q. Has prevalence of Spotify-controlled
2 playlists and algorithmic streaming grown since the
3 time of Web IV?

4 A. Yes.

5 Q. Based on your reading of the written
6 testimony --

7 MR. STEINTHAL: Your Honor.

8 CHIEF JUDGE FEDER: One moment, Mr. Handzo.

9 MR. STEINTHAL: Your Honor, I just press the
10 objection. There is no citation to evidence that's
11 not hearsay.

12 MR. HANDZO: Let me just ask Mr. Orszag what
13 he was referring to in the answer before this one.
14 Perhaps that will help us figure it out.

15 THE WITNESS: Sure. So in 2014 these
16 playlists were launched. There's that information
17 that by 2017 they represented 32 percent. By the --
18 at the time that they launched, they obviously were
19 zero.

20 And Dr. Waldfogel, who submitted an expert
21 report in this case, cited to back then August of
22 2019, I believe it was 95 percent of the top 100
23 playlists, so this is August 2019, 95 percent of the
24 top 100 playlists on Spotify were Spotify-generated
25 playlists. So --

1 BY MR. HANDZO:

2 Q. Okay. Let me just stop you there, because I
3 think Mr. Steinthal was referring to a particular
4 article or something that you cited about Spotify
5 saying how many people listened to its Discover
6 playlists. Do you recall that?

7 A. Yes.

8 Q. Okay. What were you -- what piece of
9 evidence were you referring to there?

10 A. That's something that they have put out
11 recently as a press release with that, with that
12 piece of information.

13 Q. Okay.

14 MR. STEINTHAL: I would press the objection,
15 Your Honor.

16 CHIEF JUDGE FEDER: Is the press release in
17 evidence, or is it cited --

18 MR. HANDZO: I don't believe so.

19 CHIEF JUDGE FEDER: Is it cited in Mr.
20 Orszag's testimony?

21 MR. HANDZO: I don't believe so, but let me
22 just check.

23 BY MR. HANDZO:

24 Q. Mr. Orszag, is that something we put in your
25 testimony or is that more recent?

1 A. That is not. I did not -- that was
2 something that they released in the last few days. I
3 was just using it as an anecdote about how popular
4 Discover Weekly is, but I don't need to cite to that.

5 I can just point to the Waldfogel
6 information that from August, in August 2019,
7 95 percent of their top 100 playlists were
8 Spotify-generated playlists.

9 MR. LARSON: Your Honor, Todd Larson for
10 SiriusXM. That article is not in evidence either.
11 And there's been some extensive briefing as to
12 whether it will end up in evidence.

13 So I would object to -- to that, to the
14 extent he's trying to establish facts through
15 citation of the Waldfogel article.

16 MR. HANDZO: Well, we have got sort of two
17 different objections. I don't have a problem with
18 striking the -- the portion that I understand Mr.
19 Steinthal to be objecting to, which is the reference
20 to a press release that came out two days ago.

21 So I agree that's not in Mr. Orszag's
22 testimony.

23 CHIEF JUDGE FEDER: Okay. So for the
24 record, that objection is sustained.

25 Continue, Mr. Handzo.

1 MR. HANDZO: With respect -- with respect to
2 the Waldfogel article, I actually was going to ask
3 Mr. Orszag a few questions about that, in part on a
4 foundational basis.

5 So I would ask to ask those questions and
6 then we can address Mr. Larson's objection, if that's
7 acceptable to the Judges.

8 CHIEF JUDGE FEDER: Please proceed, Mr.
9 Handzo. And, Mr. Steinthal, unless you have a
10 further objection, please turn your camera off.

11 BY MR. HANDZO:

12 Q. All right. So at the bottom of this slide,
13 Mr. Orszag, you do refer to, and you quote from, an
14 article or a paper by Aguiar and Waldfogel. Do you
15 see that?

16 A. Yes, sir.

17 Q. And you cite that in your testimony, do you
18 not?

19 A. Both in my written direct and my written
20 rebuttal testimony.

21 Q. Okay. And is there more than one version of
22 this paper, do you know?

23 A. There appears to be two versions.

24 Q. And does the quote that you rely on appear
25 in both?

1 A. Yes, it does.

2 Q. Are there any -- have you reviewed both
3 versions of the paper?

4 A. Yes, I have.

5 Q. For your purposes, are there any material
6 differences between them?

7 A. Not for the purposes that I'm citing them,
8 no.

9 Q. And are you aware that Professor Waldfogel
10 was until recently being offered by -- as an expert
11 by Pandora?

12 A. Yes, in that he cites this same version of
13 the article that I cite in his testimony.

14 Q. Okay.

15 MR. HANDZO: Your Honors, I asked those
16 questions because as Mr. Larson, I think, has noted,
17 what happened here was Pandora withdrew Professor
18 Waldfogel as an expert witness.

19 SoundExchange then filed a motion saying,
20 well, if you're going to withdraw him, we want this
21 paper in, which we would have examined him about and
22 which, indeed, he cited in his written testimony, so
23 we would have been perfectly entitled to do that.

24 Pandora objected. So that motion is still
25 pending, and it has been briefed. I don't propose

1 that we argue it now, but I -- and so I think that I
2 would ask the Judges to accept Mr. Orszag's testimony
3 with respect to that paper, subject to that
4 objection.

5 The objection, if our motion to put the
6 Waldfogel paper into evidence is accepted, then
7 there's no problem. If it's not, then you will
8 presumably strike part of this testimony.

9 But I would ask you to accept this testimony
10 now on the basis that we have, with other things in
11 the past, which is where there is testimony that is
12 objected to and has been briefed and the Judges
13 haven't ruled on it yet, you take it for now and then
14 you rule on the motion later.

15 CHIEF JUDGE FEDER: Is that acceptable, Mr.
16 Larson?

17 MR. LARSON: Yeah, that's acceptable. Thank
18 you, Your Honor.

19 CHIEF JUDGE FEDER: Thank you. We will
20 proceed on that basis.

21 MR. HANDZO: Thank you.

22 BY MR. HANDZO:

23 Q. So, Mr. Orszag, in this quote from Professor
24 Waldfogel -- well, just summarize for us what you
25 understand Professor Waldfogel to be doing and what

1 his analysis found.

2 A. Well, let's -- Professor Waldfogel is an
3 economist who has written extensively on content
4 markets. He has written extensively on music and
5 sort of is one of the people that folks turn to when
6 there are matters involving the music industry. So
7 it's perhaps not surprising that Pandora had him as
8 an expert in this case.

9 And he has written a paper with a colleague
10 looking at the importance of Spotify's playlists to
11 consumer behavior, and focused in on the Spotify
12 own -- their own playlist, not user-generated ones;
13 the ones controlled by Spotify.

14 And what he finds and what he and his
15 co-author find -- and these are his words -- that the
16 platform, Spotify has the power to influence
17 consumption decisions, that the placement of music on
18 the Spotify-controlled playlists have large,
19 significant causal impacts on streaming.

20 He then goes and estimates those impacts
21 empirically in finding that the placement on Today's
22 Top Hits, which is one of the top playlists for
23 Spotify, raises the song's eventual streams by 20
24 million, 20 million streams.

25 And so he, as he notes, that's a very

1 significant amount. In the different estimates of
2 the paper, he then quantifies what the value of that
3 20 million is. That's not critical for the purposes
4 of the analysis.

5 The analysis that matters here is exactly
6 what I have been saying, exactly what's reflected in
7 the testimony of the record executives, that these
8 Spotify-controlled playlists are an extremely
9 important part of how consumers listen to music and
10 discover music and have effects in the market that
11 are real and significant that were not present a
12 number of years ago because, guess what, those
13 playlists did not exist at that time.

14 And so Spotify-generated playlists, as
15 Professor Waldfogel, I think, actually in his expert
16 testimony in this case said, that in August of 2019,
17 95 percent of the top 100 playlists on Spotify were
18 service-generated playlists. And --

19 MR. LARSON: Your Honor, I have to
20 interrupt. I would object to the recitation of
21 Professor Waldfogel's testimony, which has been
22 withdrawn and is not in evidence.

23 CHIEF JUDGE FEDER: Sustained. Please do
24 not refer to Professor Waldfogel's testimony. It is
25 not in evidence and has been withdrawn.

1 THE WITNESS: I apologize. Sorry.

2 BY MR. HANDZO:

3 Q. So with respect to Professor Waldfogel's
4 conclusions about the ability of Spotify to influence
5 what consumers listen to, and what they choose to
6 listen to, based on your reading of the written
7 testimony from the record company executives in this
8 case and your conversations with them, are their
9 views about Spotify's ability to influence consumers
10 consistent with Professor Waldfogel's?

11 A. Yes. In fact, they spend a lot of time
12 focused on getting plays on their -- on the
13 Spotify-controlled playlists. That's something that
14 is very important to them.

15 Q. Okay. So is Spotify's ability to choose
16 content for the service for Spotify's playlists
17 relevant to the label's share of music on playlists
18 not controlled by the service, not controlled by
19 Spotify?

20 A. Yes.

21 Q. And, you know, we sometimes talk in this
22 case about whether things are lean-back or
23 lean-forward listening. But a user-created playlist,
24 would you consider that lean-back or lean-forward?

25 A. Well, it can have different -- it can have

1 both characteristics. If I'm listening to a
2 playlist, say, that Mr. Larson created, that would be
3 lean-back, because I have just hit the play button,
4 and now he has generated, he has made it a public,
5 and I'm listening to it, so it's a lean-back
6 functionality for me.

7 The act of putting songs into a playlist for
8 myself is obviously a lean-forward activity. And so
9 user-generated playlists can take on both forms and
10 we don't have precise information to be able to sort
11 user-generated playlists, that portion of overall
12 plays, into a lean-back or lean-forward
13 functionality, although it takes on characteristics
14 of both depending upon how it is being used.

15 Q. Regardless of whether we characterize a
16 subscriber playlist or user playlist as lean-back or
17 lean-forward, does Spotify have the ability to
18 influence what gets put on those playlists?

19 A. Well, their behavior influences it in a
20 variety of ways. They can, just as Professor
21 Waldfogel notes, or analyzes empirically, a play on a
22 Spotify-controlled playlist has the effect of, in his
23 words here, his analysis and his empirical analysis,
24 it raises eventual streams by 20 million.

25 Well, those streams are above and beyond

1 what it comes from being on that playlist, that is,
2 because it is now put on user-generated playlists or
3 because it is played more on demand. So in that way
4 the Spotify-controlled playlists have follow-on
5 effects to the non-Spotify-controlled playlist part
6 of streaming.

7 Q. Okay. And I think you just said this, but
8 can placement on a Spotify playlist affect what users
9 request on-demand?

10 A. Yes.

11 Q. So is Spotify's effect on marketing or
12 market share limited to placement on a playlist?

13 A. No. There's a variety of other ways that
14 they can have important effects on how consumers
15 respond. Not only does it matter about whether
16 you're on the playlist, it matters where you are on
17 the playlist.

18 I mean, I think it's pretty obvious if
19 you're the first song -- and this is part of work
20 that Professor Waldfogel has done as well -- you have
21 a higher propensity of being played than if you're,
22 say, song number 20 on a list.

23 It matters how they make decisions about how
24 shuffled -- the randomness, because there is a lot of
25 people who hit shuffle. They can influence those

1 decisions. They can influence consumer behavior in
2 terms of what songs or artists they put up on the
3 tiles that are present on the home page of -- if
4 you're going to it via a website or within the app.
5 So that real estate has implications as well.

6 And then there is other ways in which
7 Spotify can promote an artist or artists, either from
8 off-platform services or their e-mail campaigns, et
9 cetera. They have information that is, given their
10 lists of subscribers, that is valuable to labels.

11 JUDGE STRICKLER: Mr. Orszag, do the labels
12 engage in any activity in an attempt to influence
13 what -- whether their music is on a Spotify or other
14 service's label -- service playlist?

15 THE WITNESS: Absolutely. It's a very
16 important part of what they do. It has become
17 increasingly important. And they negotiate over
18 issues with regard to the platform real estate.

19 And so these become elements of the
20 negotiations and important elements, as they have
21 said in both their documents and then also in their
22 testimony, to how they operate their business.

23 JUDGE STRICKLER: So what do they do to try
24 to get on the playlist, according to what you have in
25 your -- in your written testimony? Do they promote

1 the music? Do they make payments outright to the
2 services to get on the playlists? What do they do?

3 THE WITNESS: No, they -- I think this is
4 more in testimony from the executives than in my
5 testimony so I am going to be parroting their lines.

6 They -- what they say, and it's probably
7 better to go right to their language, what they will
8 do is they will be trying to get in front of, say,
9 whoever is curating that playlist, they will be
10 trying to get their songs played in making sure that
11 being in front of those people is important to them.

12 So they are trying to get to the relevant
13 Spotify executives who are curating those playlists.

14 JUDGE STRICKLER: So they try to convince
15 them by the quality of the product, not by any kind
16 of negotiated direct side payment that relates to
17 royalties or anything else?

18 THE WITNESS: No, although these -- how much
19 they get, there's, as part of the negotiations, they
20 often have like a home page takeover. And so that
21 becomes a negotiating position or deal term.

22 So it may be that a label gets a certain
23 number of times a year that they get to take over the
24 front page of Spotify, and they -- and for the
25 obvious reason that that has a significant effect on

1 what consumers listen to.

2 JUDGE RUWE: Mr. Orszag, did you consider
3 the impact on the non-Spotify playlists on the
4 Spotify playlists?

5 THE WITNESS: So that is what -- so if I
6 understand, the question is what impact does, say, a
7 user-generated playlist have on the Spotify-generated
8 playlists?

9 JUDGE RUWE: Yes. And I am seeing there was
10 a suggestion that, well, that 32 percent of Spotify
11 playlists generated more than 32 percent of the
12 listenership. The non-Spotify playlists seems to
13 generate a little bit more of the play hours.

14 And I am wondering, of that 32 percent --
15 you have the question right. What is the impact or
16 did you consider the impact of a user-generated
17 playlist in general, not a specific one, but in
18 general the user-generated playlists, on what makes
19 it onto the Spotify playlists?

20 THE WITNESS: So let me -- I will make two
21 observations, if I may. And so Spotify started as
22 one of the things that it was known for was having
23 user-generated playlists.

24 So if we look back in time, user-generated
25 playlists were the most important playlists on

1 Spotify five plus years ago because at that point
2 there weren't service-generated playlists.

3 So by definition then, any playlists were
4 user-generated, or were generated by non-Spotify
5 entities. Let's put it that way.

6 Over time what's happened is Spotify
7 playlists have taken off, crowding out the other
8 playlists. And so user-generated playlists have
9 become a less important feature of Spotify over time.
10 That's point number 1.

11 To directly answer your question, the
12 user-generated playlists will factor into certain of
13 the playlists very directly. For example, an
14 algorithmic, an algorithmic playlist may be
15 influenced by the service-generated ones because it's
16 picking up on listening behavior and using that
17 information to make decisions.

18 But I have not analyzed directly that
19 question. And I am not aware of literature that goes
20 to the question of the causal impact between
21 user-generated lists on the Spotify-generated lists.
22 I'm only aware of the Waldfogel analyses, which have
23 looked at Spotify playlists on other listening.

24 JUDGE RUWE: Thank you. I am curious, in
25 follow-up, that you mentioned algorithmic playlists

1 on the user end.

2 Are you aware of algorithmic-generated
3 playlists on the Spotify-generated playlist end?

4 THE WITNESS: Well, Spotify has lists that
5 are -- some are curated and some are more
6 computer-driven. And so it will depend on the lists
7 that you want to focus on.

8 JUDGE RUWE: But the computer-driven ones, I
9 guess, are you aware of them being driven by
10 analytics of user listenership on Spotify?

11 THE WITNESS: I'm not aware of Spotify --

12 JUDGE RUWE: I mean, it could be any -- I'm
13 sorry. Go ahead, please.

14 THE WITNESS: I'm not aware of the analytics
15 that Spotify -- they make public some information
16 about the algorithms. But the precise nature of
17 those algorithms are beyond the scope of my
18 knowledge. So I can't give you a firm answer there.
19 But those are algorithms controlled by Spotify.

20 JUDGE RUWE: Thank you.

21 BY MR. HANDZO:

22 Q. So the last point on this page, Mr. Orszag,
23 you talk about Spotify pushing non-music content or
24 non-label content.

25 So what are you talking about there and why

1 does it matter?

2 A. Because anything that pushes -- I think
3 there are sort of two points here. They have been
4 pushing non-music content for a period of time. This
5 has become an issue in the deal negotiations.

6 And there are certain caps in place in terms
7 of the limits on what Spotify can do in terms of its
8 non-music content. There has been back and forth in
9 the negotiations about what those caps should be.

10 The labels would rather the caps to be lower
11 non-music content and Spotify has pushed for a higher
12 percentage. And we have seen some growth in those
13 numbers. And we can't lose sight of the fact -- and
14 I cite this in my testimony -- that even small
15 movements in share on Spotify are very significant.

16 One of the analyses that was done by one of
17 the record executives said that, if their share on
18 Spotify drops by 1 percentage point, that is
19 equivalent -- or 1 percent, that that's equivalent to
20 a 3 percent drop in the headline rate.

21 So in terms of dollars at stake here, these
22 are -- small movements in share reflect very big
23 dollars to the labels and so they care a lot -- and
24 this has become a point of negotiation -- over the
25 fact that Spotify has pushed some of this non-music

1 content, which is a small percentage, but it has been
2 pushed up, which has an adverse effect on their
3 business, adverse effect on the label's business.

4 Q. And, lastly, before we move to the next
5 slide or perhaps break for lunch, how does, if you
6 know, does Spotify compare to a service like Pandora
7 with respect to its ability to affect market share
8 and the impact of that on the record companies?

9 A. I haven't seen the same ability in the
10 evidence that I have reviewed of Pandora, I mean, to
11 move share in the same ways at Spotify. That's not
12 to say that Pandora's own can't have an effect. It
13 is just they don't have the same magnitude of an
14 effect that Spotify has.

15 JUDGE RUWE: Mr. Orszag --

16 BY MR. HANDZO:

17 Q. When you say magnitude --

18 JUDGE RUWE: Sorry. I want to turn back to
19 the caps on non-music content. Is that a cap on
20 overall on-demand usage or is it a cap somehow on the
21 extent to which non-music content is being pushed to
22 the listeners?

23 THE WITNESS: It's a -- I think it's a cap,
24 and I think each of the agreements deals with this
25 slightly differently. And I don't have the language

1 fresh in my mind, but I believe it's a cap on how
2 they are paid.

3 So one could -- it basically -- which
4 obviously then influences Spotify's behavior. But I
5 believe it's structured in that way. But I would
6 rather look at the actual agreements. And maybe
7 after the lunch break, whenever that occurs, I could
8 come back to you on that point.

9 JUDGE RUWE: Thank you.

10 BY MR. HANDZO:

11 Q. And then you mentioned the sort of
12 difference in sort of magnitude or effect of steering
13 or changing market share by Spotify versus Pandora.

14 Are you talking about effect on dollars or
15 market share or both?

16 MR. LARSON: Your Honor, I object to this.
17 This is outside the scope of the written testimony.

18 CHIEF JUDGE FEDER: Mr. Handzo?

19 MR. HANDZO: I will let it go.

20 And with that, Your Honors, I am ready to
21 move on to the next slide, but it is 1:40, so I'm
22 wondering whether the Judges would like to take the
23 lunch break.

24 CHIEF JUDGE FEDER: At least this Judge
25 would like to take the lunch break right now. We

1 will go into recess. We will reconvene in one hour.

2 (Whereupon, at 1:40 p.m. EST, a lunch recess
3 was taken.)

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1 AFTERNOON SESSION

2 (2:42 p.m. EST)

3 CHIEF JUDGE FEDER: If the host will please
4 reestablish the public feed, we are ready to begin.

5 MR. SACK: Thank you, Your Honor. Please
6 stand by.

7 MR. TOTH: We are live. Your Honor, we are
8 live, but I think Mr. Handzo is going to want to go
9 into restricted session.

10 MR. HANDZO: That -- that is correct.

11 CHIEF JUDGE FEDER: Okay. We are back in
12 open session. Mr. Handzo, for how long do you
13 estimate we will be in restricted session?

14 MR. HANDZO: I believe it will be about a
15 half an hour.

16 CHIEF JUDGE FEDER: Okay. So we will go
17 into restricted session for about half an hour. Will
18 the host please clear the virtual hearing room.

19 MR. SACK: Thank you, Your Honor. We were
20 notified by the parties that there was no one in the
21 room who is not allowed to hear this material, but we
22 will lock the room and we will now take down the
23 stream.

24 CHIEF JUDGE FEDER: Thank you.

25 MR. SACK: The stream is now restricted.

1 Thank you, Your Honor.

2 (Whereupon, the trial proceeded in
3 confidential session.)

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1 O P E N S E S S I O N

2 CHIEF JUDGE FEDER: Thank you. We have
3 returned at least briefly to open session.

4 Mr. Handzo, you may continue.

5 BY MR. HANDZO:

6 Q. All right. So, Mr. Orszag, when we began
7 talking this morning about possible adjustments to
8 the benchmarks, one of the possible adjustments that
9 you mentioned was an adjustment for promotion and
10 substitution.

11 So first question: Did you make such an
12 adjustment to your benchmark rates?

13 A. No, I did not.

14 Q. Why not?

15 A. There is no empirical evidence that I have
16 seen to support that there are differences between
17 the benchmark and the target markets in the net
18 effects of promotion and substitution, which would
19 support making an adjustment to the rates.

20 Q. Why do you focus on a -- a net adjustment?

21 A. Because what matters here isn't the absolute
22 promotion effect of a service or the absolute
23 substitution effect. It's the relative effect of
24 between the benchmark market and the target market.

25 So I'm just looking -- so the question is,

1 is there a significant difference between the
2 benchmark market -- the benchmark market and the
3 target market in terms of the relative effects of
4 promotion and substitution? And I have seen no
5 empirical evidence to support adjustments to take
6 into account those relative effects, and neither
7 Professor Shapiro nor Dr. Peterson proposes an
8 adjustment for -- for those factors either.

9 Q. Now, you also talk here about non-rate
10 benefits. I think you told us earlier that you
11 didn't actually make any adjustments for non-rate
12 benefits. And I think you told us before that --
13 that you tried but weren't able to quantify the --
14 the value of data.

15 What about any other benefits, non-rate
16 benefits?

17 A. I -- I do not include any other benefits in
18 non-rate benefits. Dr. Shapiro -- Drs. Shapiro,
19 Leonard, and Peterson all add advertising credits
20 into their analysis. If I were to have done so, it
21 would raise my estimate by about 1.5 pennies, so that
22 would take me from -- my estimate from basically,
23 roughly 25 cents to -- because of rounding, it would
24 take it to 26 cents.

25 They -- they each do it a little bit

1 differently, but it adds somewhere around .00015
2 to .00017. And so if I were to add those advertising
3 credits as Drs. Shapiro, Leonard, and Peterson do, I
4 would have an estimate that is roughly a penny higher
5 than my current estimate.

6 Q. Okay. So I want to switch gears now and
7 we're going to talk about the services' benchmarking
8 analyses. And I think my first slide takes us into
9 restricted session.

10 CHIEF JUDGE FEDER: Okay. We will go into
11 restricted session for about how long do you
12 estimate?

13 MR. HANDZO: It will be at least a half an
14 hour.

15 CHIEF JUDGE FEDER: We will go into
16 restricted session for at least a half an hour. Will
17 the host please clear the virtual hearing room.

18 MR. SACK: Thank you, Your Honor. Please
19 stand by.

20 We are beginning to clear the room now. If
21 you are an attendee in the Zoom meeting who is not
22 allowed to attend restricted session, please leave
23 the session by clicking the red Leave button on the
24 bottom right-hand side of your screen or click the X
25 on the top right-hand side. Your counsel will inform

1 you when you are allowed to return to the proceeding.

2 Please stand by, Your Honors, counsel, while
3 we work to clear the room.

4 (Whereupon, the trial proceeded in
5 confidential session.)

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1 O P E N S E S S I O N

2 MR. SACK: The room is open, Your Honor, and
3 the stream is live.

4 CHIEF JUDGE FEDER: Thank you. Mr. Handzo,
5 you may want to move to the next slide.

6 MR. HANDZO: Sorry. I am there.

7 CHIEF JUDGE FEDER: We have returned to open
8 session. Mr. Handzo, please proceed.

9 MR. HANDZO: Thank you.

10 BY MR. HANDZO:

11 Q. Now, Mr. Orszag, do you recall that
12 Dr. Leonard in his testimony suggests that
13 simulcasting is different from webcasting for, among
14 other reasons, that simulcast listeners value music
15 less?

16 A. Yes.

17 Q. Can you --

18 A. I think so.

19 Q. Can you respond to that, please?

20 A. Yeah. So Dr. Leonard's analyses fall short
21 here. The first claim he sort of -- he puts forward
22 is that simulcasters play less music, and the
23 implication is that so they should pay less. That's
24 the first argument.

25 Ignoring, obviously, the obvious fact here

1 that they are paying on a per-play basis. So if you
2 play less music, you pay less in total than if you
3 play more music.

4 So there's a whole slew of analyses that he
5 has that don't go to the issue of what the per-play
6 rate should be but, rather, the total payment, but
7 doing things on a per-play basis solves that issue.

8 He then has an analysis that appears to
9 confuse correlation and causation. He looks at ad
10 rates and claims that ad rates are higher during the
11 windows when there are -- is less music and lower
12 when there is more music.

13 And he is using this to suggest, it would
14 appear, that music is less valuable and, thus, the
15 rate should be lower for -- the per-play rate should
16 be lower. But his analysis falls short in two
17 critical respects.

18 One -- and I haven't seen a good explanation
19 of this -- he mismatches the data, so he's using song
20 logs for February 2019, but he is using revenue for
21 June 2019. Given that there could be differences
22 over time, it's not clear to me why he did not use
23 the same time period to do this.

24 But that's just an implementation error, not
25 a conceptual error. The conceptual error here is

1 that it's a classic example of correlation and not
2 causation. It's precisely when there are larger
3 audiences that you have higher rates, and those are
4 precisely the times that radio stations have less
5 music, more news, traffic, weather, and so he doesn't
6 in his analysis at any place control for the audience
7 size.

8 And so it's -- it's not clear to me that the
9 sort of real purpose here -- I mean, he is trying to
10 suggest that listeners somehow value music less than
11 other webcasters, but the analysis -- webcasting
12 listeners -- but the analysis doesn't go to support
13 that given the flaws that are inherent in it.

14 And so, as a result, I do not find those
15 analyses to be reliable.

16 Q. So, for example, let's just take drive time.
17 Is that a higher -- a time when there are more people
18 likely to be listening to radio?

19 A. Usually. I sort of all bets are off in a
20 COVID world. But --

21 Q. Pre-COVID.

22 A. Pre-COVID world, the answer is, yes, I've
23 been involved in a number of radio mergers or looked
24 at a wide variety of major radio mergers, so I have
25 analyzed advertising rates in the context of that

1 work for many years now.

2 And the issue of drive times and the rates
3 that radio stations can obtain, it's clear that they
4 obtain higher rates when they have bigger audiences.

5 Q. And so in your opinion, again, if we, let's
6 say, look at drive time where the ad rates may be
7 higher, is that related to the use of music or is
8 that related to the audience size because it's drive
9 time?

10 A. There's not any evidence that I saw in the
11 analyses that Dr. Leonard conducted to suggest -- to
12 support a conclusion that it had anything to do with
13 music.

14 In fact, the rate cards that I cite
15 consistently seem to show or more often show that the
16 rates that music stations earn are greater than the
17 rates that are earned by other stations, even in the
18 same markets.

19 Q. And your next bullet here was that music
20 format stations make more money for broadcasters.
21 Let's start with the obvious question: What is the
22 implication of that fact?

23 A. I mean, the implication would be that it
24 would tend to be that actually it's the music that is
25 more valuable to a broadcaster, rather than other

1 forms of radio content.

2 Q. And how do you know that music format
3 stations make more money?

4 A. Well, I cite in my written rebuttal
5 testimony a whole slew of documents and financial
6 analyses from radio stations showing that music
7 format stations tend to make -- do better than
8 non-music format stations.

9 And I cite to testimony from witnesses in
10 this case who explain that they often -- I think it
11 was Mr. Wheeler, who is the owner of a variety of
12 radio stations, who explained that he often uses his
13 music stations to subsidize his non-music stations.

14 Q. Okay. So you mentioned that you saw, you
15 know, financial information and you mentioned in an
16 earlier answer rate cards, which you cite in your
17 written testimony.

18 And with apologies to anyone who is
19 listening, even though those documents were produced
20 by broadcasters who are members of the NAB, NAB has
21 objected to the admission of those exhibits in their
22 objections to exhibit list.

23 And since we don't actually have witnesses
24 from those particular broadcasters, I am now going to
25 go through a process of admitting them through Mr.

1 Orszag.

2 So I am just apologizing in advance for the
3 tedium of what might follow for about five minutes.

4 But if we could bring up --

5 MR. HUSENY: Objection, Your Honor. I mean,
6 since Mr. Handzo discussed and laid out what he is
7 going to do, I think it's the right time to talk
8 about our objections that's currently pending in a
9 motion to him admitting through this witness
10 non-participant documents that we have multiple
11 objections to, not only from a sponsoring witness
12 perspective, but from a hearsay perspective.

13 We can do this in the course of Mr. Handzo
14 putting the first document forth or -- or now, Your
15 Honors, but this is a part of a motion that's
16 currently pending and we think it's appropriate to
17 address now since Mr. Handzo is about to introduce
18 them en masse, apparently.

19 MR. HANDZO: Let me just respond quickly. I
20 hadn't necessarily intended to do it en masse. What
21 I ultimately want to do -- and it is correct, of
22 course, there is a motion pending -- to the extent
23 that there is some foundation to be laid with Mr.
24 Orszag, I want to provide that foundation to the
25 Judges.

1 Whether the Judges choose to rule on whether
2 those exhibits are admissible now or consider the
3 motion at a later time in light of the foundation
4 that I'm about to make, I'm fine either way. But I
5 do want to at least lay the foundation through Mr.
6 Orszag since I won't have a witness from these
7 broadcasters.

8 CHIEF JUDGE FEDER: Please lay your
9 foundation, Mr. Handzo.

10 MR. HANDZO: Thank you.

11 BY MR. HANDZO:

12 Q. Can we bring up Mr. Orszag's written
13 rebuttal testimony, which is 5603, and go to
14 paragraph 31. All right. We may need to go down a
15 little bit further. All right.

16 Mr. Orszag, right in the middle of the
17 screen, do you see a sentence that says "to the
18 contrary, financial information produced for certain
19 broadcasters by NAB in this proceeding shows that
20 these broadcasters derive most of their revenues from
21 music-format stations," and then you footnote to
22 Footnote 56?

23 A. Yes, I do see that.

24 Q. Okay. And so I take it the support for that
25 statement is in Footnote 56. So if we can bring that

1 up. All right.

2 So I take it this footnote then lays out the
3 documents on which you rely for that statement, which
4 were from Cumulus and iHeart and other broadcasters?

5 A. That is correct.

6 Q. Okay. So I just want to bring up on the
7 screen three of the documents that you cite in that
8 footnote. The first is Exhibit 5204.

9 CHIEF JUDGE FEDER: Is it supposed to be a
10 blank page or are we waiting for it to load?

11 MR. HANDZO: No, I definitely am not trying
12 to admit a blank page.

13 THE WITNESS: When I -- when I went -- I'm
14 on the exhibit share thingamajiggy, and it says to me
15 I can only download it. Is it acceptable if I
16 download it? I assume so, since I have this document
17 I cited elsewhere.

18 CHIEF JUDGE FEDER: It's a native file, an
19 Excel file.

20 BY MR. HANDZO:

21 Q. Well, let me see if I can do it this way.
22 The documents that you rely on in this footnote,
23 which were produced by the NAB, are those the kind of
24 documents that you are familiar in working with in
25 your -- in the work that you've done with

1 broadcasters that you've talked about?

2 A. Radio broadcasters, yes. I mean, the key
3 input often into an economic analysis with regard to
4 competition issues among stations can be the margins
5 that stations earn.

6 And so I would have received as part of that
7 financial numbers, forecast and actuals, that would
8 be similar to, or in some cases I cite to documents
9 that I have actually seen previously, I think, in
10 related -- in merger matters.

11 So this is exactly the type of information
12 that I would look at to analyze issues related to the
13 radio market.

14 Q. Okay. So is it your understanding -- we
15 have now got this first document, 5204, up on the
16 screen -- is it your understanding that this was
17 produced by the NAB in discovery?

18 A. That's my understanding, yes, sir.

19 Q. And I think you indicated before, but let me
20 just make sure, that you have familiarity with record
21 company -- I'm sorry, record company -- broadcaster
22 financials generally?

23 A. Generally, yes. Obviously each one will
24 maintain their data differently. And so it depends
25 on which broadcaster we're talking about, whether I

1 have seen their data before or not.

2 Q. But is this consistent with the kind of data
3 that gets reviewed by you in the course of your work?

4 A. I would say analyzed but, yes, that is, it's
5 entirely consistent. This type of information would
6 be the type of analysis that I would conduct as part
7 of an analysis of competition involving radio
8 broadcasters.

9 Q. And is this consistent with what you have
10 seen in terms of what broadcasters keep in the
11 ordinary course of business as their business
12 records?

13 A. Again, with the caveat that each broadcaster
14 will maintain their information differently, but,
15 look, this spreadsheet is entirely consistent with
16 the types of information that I have seen previously
17 from radio stations or from broad -- the parent
18 companies, depending upon the entities that I have
19 worked for.

20 Q. Okay. Can we bring up 5257? Hopefully that
21 will come up a little quicker.

22 CHIEF JUDGE FEDER: Mr. Handzo, are these
23 restricted documents?

24 MR. HANDZO: No, actually -- I'm sorry, yes.

25 CHIEF JUDGE FEDER: And is there anybody who

1 can view these who is not entitled to see them?

2 MR. HANDZO: Actually the only person who
3 was going to be on was an NAB witness, so that person
4 would be able to see them.

5 CHIEF JUDGE FEDER: Okay. So you may
6 continue.

7 MR. HANDZO: Thank you. But my apologies.
8 I should have thought of that. It turns out no harm,
9 no foul. All right.

10 BY MR. HANDZO:

11 Q. This is, I believe, 5257. Is that right?
12 Yes. Thank you. So the same set of questions.

13 A. Yes. I mean, sometimes you see information
14 that's more aggregated. This is obviously taken from
15 more detailed information of the spreadsheets like we
16 saw just a second ago, but this is more aggregated
17 information about revenues and costs for a broadcast
18 station group.

19 Q. Okay. But, again, is this consistent with
20 the kinds of information and the kinds of
21 presentation that you get from broadcasters in your
22 work in this business?

23 A. Again, sometimes you ask for information and
24 you get more detail like the previous one, and
25 sometimes you get less. So the answer to that would

1 be yes. Obviously it depends on the particular
2 broadcaster.

3 Q. Okay. And is this the kind of information
4 that when you receive it from broadcasters in the
5 course of your work, you -- you analyze?

6 A. It would be an input into an analysis in
7 looking at, say, for example, the impact of a merger,
8 this could be -- this could be an input that would be
9 necessary.

10 Q. And last, let's bring up 5260. All right.
11 Same set of questions.

12 Is this consistent with the kind of
13 information that you have received from broadcasters
14 in your work in the past?

15 A. That is correct, yes, sir.

16 Q. And consistent with the kind of information
17 that you have used from broadcasters in your analysis
18 for them?

19 A. That is correct.

20 Q. Thank you. Let's -- let's go back to Mr.
21 Orszag's written rebuttal testimony at paragraph 31.

22 CHIEF JUDGE FEDER: Mr. Huseny, are you
23 trying to interpose an objection, because I cannot
24 hear you?

25 MR. HUSENY: My apologies, Your Honor. I

1 think I was muted.

2 I was just saying we renew and press the
3 objection. We're happy addressing Mr. Handzo's
4 attempt to lay the foundation that he did now or in
5 the course of the next few questions.

6 But since he went over a few documents, I
7 think it's important to address the issues now before
8 he moves on and shows additional documents on the
9 screen.

10 CHIEF JUDGE FEDER: Mr. Handzo, have you
11 finished laying your foundation?

12 MR. HANDZO: For those documents, yes, I
13 have.

14 CHIEF JUDGE FEDER: Okay. I will -- I will
15 confer with my colleagues.

16 MR. HUSENY: Your Honor, may I address
17 briefly why we think it's a problem and why Mr.
18 Handzo's foundation --

19 CHIEF JUDGE FEDER: Is this -- this is new
20 argument in addition to what's in your written
21 motion?

22 MR. HUSENY: It is, but it's also just
23 putting in context, Your Honor, what Mr. Handzo just
24 showed and the foundation he tried to lay. So the
25 issue is that these are by and large non-participant

1 documents.

2 These are companies that are not showing up
3 at trial. And the foundation that Mr. Handzo tried
4 to lay is with respect to what an expert can rely on.
5 We're not arguing that Mr. Orszag can look at these
6 documents and say what he wants to say about them.

7 The issue is an expert cannot admit into
8 evidence documents from non-participants through the
9 idea that these are the sorts of documents that they
10 look at in the ordinary course of expert work. No
11 expert is ever allowed to do that. And that's what
12 Mr. Handzo is trying to do.

13 So our issue is both the foundational no
14 sponsoring witness issue, but also that there is a
15 hearsay problem for these non-participant documents
16 that Mr. Handzo hasn't addressed at all.

17 So we would urge Your Honors to not allow
18 these documents to come in separately as testimony or
19 as evidence in this proceeding through an expert who
20 really can't lay the foundation to get them in.

21 CHIEF JUDGE FEDER: All right. Mr. Handzo,
22 would you respond briefly to that?

23 MR. HANDZO: Sure. You know, truth of the
24 matter is the reason I'm doing this is because I
25 don't want anyone to say that Mr. Orszag's written

1 testimony on this point could be stricken because the
2 documents on which he relied were never admitted or
3 explained. Other documents we can get in through
4 other sources.

5 So, look, I think the reality is if, if it
6 is the position of the NAB that Mr. Orszag was
7 entitled to rely on these documents, notwithstanding
8 that they are not in evidence, and if they are not
9 challenging his written testimony on the grounds that
10 these documents are not in evidence, that may solve
11 the problem.

12 I don't intend to use these documents once
13 they are in evidence for any other purpose than what
14 is stated in Mr. Orszag's written testimony.

15 CHIEF JUDGE FEDER: Mr. Huseny?

16 MR. HUSENY: We will challenge the
17 testimony, Your Honor, if we think that the weight
18 that Mr. Orszag is provided, providing these
19 documents is not, not appropriate, which we do.

20 Our issue is that they cannot enter into
21 evidence, separate evidence, documents that the
22 witness cannot be a sponsoring witness for. No
23 expert can bring in documents as a foundational
24 sponsoring witness that your --

25 CHIEF JUDGE FEDER: You're starting to

1 repeat yourself, Mr. Huseny. You have already stated
2 that objection.

3 We will take a five-minute recess.

4 MR. HUSENY: Thank you, Your Honor.

5 (Discussion off the record for the Judges to
6 confer, 5:50 p.m.-5:55 p.m.)

7 CHIEF JUDGE FEDER: Okay. We are ready to
8 continue and we are still in open session.

9 The objection as to hearsay is obviated by
10 Mr. Handzo's statement that it is not being offered,
11 the documents are not being offered for the truth of
12 the matter asserted, but as something that was relied
13 on or upon by the witness. So the hearsay objection
14 is overruled.

15 As for the sponsoring witness objection, or
16 lack of sponsoring witness, these are documents that
17 were produced by NAB. They bear an NAB Bates stamp.
18 They were produced by NAB in discovery.

19 We find that under Klayman vs. Judicial
20 Watch, 297 F.3d 80, that these documents are
21 essentially self-authenticating because they come
22 from the files of an NAB member.

23 We will accept them without a sponsoring
24 witness from the particular radio station. So that
25 objection is overruled.

1 MR. HANDZO: Thank you, Your Honor.

2 BY MR. HANDZO:

3 Q. Can we go back to the --

4 CHIEF JUDGE FEDER: So do you want to
5 actually move to admit these documents subject to
6 that caveat, that they are not being admitted for the
7 truth of the matter asserted?

8 MR. HANDZO: I do, Your Honor, and there are
9 a few. I showed Mr. Orszag two or three. There are
10 some beyond that. I will just represent to you, and
11 I can tell you where in the written testimony it is,
12 they are all the same thing. They are all financials
13 or rate cards produced by NAB stations.

14 So they are -- I would rather not take the
15 time to show him each one of those. I can just
16 represent to you that they are all of the same
17 character, all produced by the NAB.

18 CHIEF JUDGE FEDER: All right. Why don't
19 you overnight collect those, the list of those
20 documents, share that with opposing counsel, and then
21 move them into evidence tomorrow morning.

22 MR. HANDZO: That's fine. Thank you very
23 much.

24 BY MR. HANDZO:

25 Q. So, Mr. Orszag, let's go back to the slide

1 we were last on of the deck. There we go.

2 At the bottom you talk about the
3 broadcaster's ability to monetize not affecting, in
4 your opinion, the webcasting rates. So just explain
5 that, if you would.

6 A. I think it's a basic truism here, that the
7 goal, not the Judges' responsibility to ensure that
8 different businesses succeed in different -- that's
9 not their role.

10 The role is to set a rate based on a willing
11 buyer/willing seller framework in workably
12 competitive markets and using appropriate benchmarks
13 to estimate those rates for the target market.

14 So if those rates for whatever reason are
15 not profitable for a particular player in the market,
16 that's just the nature of competition. And the goal
17 should be to, in terms of setting appropriate rates,
18 not to tilt the playing field to one player or the
19 other.

20 Q. Okay. On the next slide, I should just say,
21 there is some restricted information. I don't think
22 there is a problem showing the slide, since we don't
23 have anybody on who can't see it.

24 But, Mr. Orszag, to the extent -- well, I
25 would ask you not to sort of read or quote from the

1 quotations here, since some of that is restricted.

2 A. Sure. I think one of the ways to think
3 about one of the arguments that Dr. Leonard either
4 explicitly or implicitly makes, I forget, from his
5 written testimony is that simulcasters merit a lower
6 rate because they're, in essence, their own little
7 market, and don't compete with other webcasters to
8 any significant degree.

9 And so, as a result, it's okay to set --
10 this is his argument -- to set a lower rate because
11 one would not be tilting the playing field, the words
12 that I just used.

13 And so those are -- that's the essence of
14 the argument. But that is directly contradictory to
15 the evidence from both radio broadcasters that they
16 feel incursions from streaming services and the
17 streaming services that they compete with the
18 broadcasters.

19 Again, I have talked about it a few times
20 today, a number of times. I have worked on mergers
21 in the radio space. And in the context of that work,
22 it's obvious and clear about how radio broadcasters
23 compete with the streaming services and how they fear
24 the incursions from those streaming services and how
25 the air simulcasts are part of their responses to

1 those streaming services. And so there's that
2 direction.

3 And you see this in the documents that are
4 cited here. But then there's the other direction
5 that part of what the streaming services are trying
6 to do is to take down the radio broadcasters and
7 their simulcasters. That is, by the way, healthy
8 competition. That is good. That is, that benefits
9 consumers.

10 And you see that, in essence, in the last
11 quote, which perhaps is a -- is overstated in some
12 ways, but it's really going at the question of how a
13 streaming service can take on a terrestrial radio
14 service. And that's what they are trying to do.

15 And so that nature of competition has been
16 front and center in work I have now done for years
17 involving radio and work that shows that competition
18 between the different sides of this market.

19 MR. HUSENY: Objection, Your Honor. It's
20 Sadik Huseny for NAB. I'm not sure that what Mr.
21 Orszag just testified to, the nature of competition
22 front and center and work he has done for years, is
23 laid out in any detail in his written rebuttal
24 testimony.

25 He certainly cites to the documents in the

1 10-Ks that are on the screen. But if he's using
2 background work as specific evidence for a
3 competition analysis here, we would object because
4 that's not in his written rebuttal testimony.

5 CHIEF JUDGE FEDER: Mr. Handzo?

6 MR. HANDZO: Yes. I think, as Mr. Huseny
7 acknowledges, Mr. Orszag did in his written testimony
8 address the specific subject. So this subject is
9 absolutely covered in his written testimony,
10 including a discussion of these documents.

11 His reference to his experience, I'm not
12 sure that is, but that's not -- that's simply an
13 explanation of, you know, further support and further
14 foundation for why he is able to express the opinions
15 that indisputably appear in his written testimony.

16 And it seems like the sort of elaboration
17 that we permit and, indeed, is the reason why we have
18 direct testimony. No one has ever suggested that
19 oral testimony has to be limited to word-for-word
20 what's in the written testimony.

21 So -- and he doesn't, obviously, present any
22 sort of, you know, data analysis here. He is just
23 relating his experience, which informs his opinion.

24 CHIEF JUDGE FEDER: The objection is
25 overruled.

1 BY MR. HANDZO:

2 Q. All right. Mr. Orszag, do you recall that
3 in Professor or Dr. Leonard's testimony one of the
4 bases for his arguing that simulcasters do get or
5 should get different rates from webcasting is that he
6 relies to some degree on agreements with the
7 Performing Rights Organizations, PROs?

8 A. That is correct. That's one of his
9 arguments that he puts forward.

10 Q. Okay. Could you respond to that, please?

11 A. Sure. My view is the PRO's treatment of
12 simulcast is really not relevant for purposes of our
13 analysis here. It is not relevant along a number of
14 metrics.

15 First, those agreements are set on a
16 percentage-of-revenue basis, not a per-play basis.
17 And so it would make sense that the
18 percentage-of-revenue rate is lower for the radio
19 broadcasters because they are not just offering music
20 content, as we've just discussed and discussed
21 multiple times, they are offering music and non-music
22 content.

23 And so when one is thinking about a
24 percentage-of-revenue basis, one would need to adjust
25 for that fact. And so to the extent that they are

1 offering less music than a non-simulcast webcaster,
2 the percentage-of-revenue would necessarily need to
3 be lower for that radio broadcaster, radio
4 simulcaster, than for a non-simulcast webcaster.

5 It is one of the reasons why I -- we talked
6 about earlier using per-play rates here in this
7 proceeding avoids the issues of trying to sort out
8 what is the right percentage-of-revenue to use for
9 different players that may have different usages of
10 musical content.

11 JUDGE STRICKLER: Mr. Orszag? Mr. Orszag,
12 isn't your per-play rate based upon, as to an
13 agreement, if you will, a percentage-of-revenue?

14 THE WITNESS: It starts there, yes. But I
15 convert it to a per-play rate so that in
16 implementation, those that want to use the music that
17 take a statutory license don't need to sort out the
18 percentage-of-revenue issue.

19 My benchmark, Spotify, is a pure play music
20 entity. It's making -- it's providing music to
21 listeners. And so one does not need to sort out the
22 differential contributions to the creation of that
23 product from music and non-music content.

24 So it makes complete sense to look at
25 percentage-of-revenue for something like Spotify, but

1 when you have a radio broadcaster that, say, has part
2 music and part non-music, it becomes much more
3 challenging to do that.

4 JUDGE STRICKLER: Well, that's the challenge
5 that we had, for example, in SDARS III, correct?

6 THE WITNESS: Of course. And in SDARS, as
7 you know, there is often a debate about the relative
8 contributions of music versus non-music content, but
9 that's for one service.

10 Now imagine if you had to do it for all of
11 the different types of radio stations and
12 simulcasters that are out there.

13 So if a simulcaster, if one of them has
14 1 percent music and one has 50 percent music and one
15 oscillates between music at different times of the
16 year, you are introducing a lot more significant
17 challenges because one would have to assign revenue
18 on a very granular basis.

19 This would be -- the other way to say this
20 is this issue may be more relevant if all of the
21 simulcasters were only pure play music entities
22 because then the, in that circumstance, you would not
23 have to adjust for the degree to which one uses music
24 or not, the intensity of music.

25 JUDGE STRICKLER: But because your per-play

1 rate is based on a percentage of Spotify revenue,
2 doesn't your per-play rate as applied to simulcasters
3 simply, implicitly, not explicitly, but implicitly
4 attribute all the revenue of the -- of Spotify to the
5 -- to each simulcaster?

6 THE WITNESS: No, I would not say that at
7 all. So what I would say is the revenue of Spotify
8 is generated by music. People are attracted to
9 Spotify when they pay because they want to have
10 access to that music.

11 And to the extent that advertisers are
12 attracted to Spotify, they are paying for the
13 listeners of that music that Spotify is putting up on
14 its service.

15 So the -- what I am measuring is the price
16 for music, what should be the royalty rate per-play
17 for music, based on the percentage-of-revenue, which
18 is the governing and the operative rate in the
19 Spotify agreements.

20 And so that then per-play rate would be
21 assigned to simulcasters. But simulcasters, if they
22 play one song, and say they would pay, in my
23 proposal, is they would pay .0025. That's it.
24 That's the value that they get from playing one song.

25 Whereas, if somebody were a pure play, so

1 all they do is play music, they're going to play --
2 they're going to pay .0025 times the number of songs
3 that they play.

4 And if they play the same number of songs as
5 are streamed on Spotify, they are going to pay, in
6 essence, the same percentage-of-revenue. It will be
7 identical in that circumstance.

8 JUDGE STRICKLER: Thank you, Mr. Orszag.

9 BY MR. HANDZO:

10 Q. Mr. Orszag, in the bottom bullet point you
11 talk about Dr. Leonard's speculation about the PRO,
12 Pandora's PRO rate.

13 What are you talking about there?

14 A. Yeah, he does an analysis where he takes
15 some publicly-available data from Pandora to try to
16 estimate what their rate is. And he assumes that,
17 based on that public information, that the range of
18 that rate is 3.6 to 4 -- 3.6 to 4 point, I think it
19 was 5 percent.

20 Again, this is in my written testimony, or
21 it would actually be in his written testimony.

22 And he uses that to argue that that's
23 evidence that the PRO rate for musical content is
24 lower than the rate for basically non-simulcast
25 webcasters. The problem is that his information that

1 he gleans from these third -- public sources appears
2 to be off. That is the rate that he -- that instead
3 of 3.4 to 4.5 percent, 3.6 to 4.5 percent, which I
4 believe is the number he uses, the rate that was set
5 in 2014 is 1.85 percent.

6 And if one were to plug that into his
7 analysis, that would suggest that there's no -- that
8 the differences aren't very significant. And, again,
9 this rate may not be in place today, but it's the
10 rate that was in place in 2014, and it calls into
11 question his suggestion, based on very aggregated
12 information from their financial information, that
13 they are paying a rate of 3.6 to, I think it was
14 4.5 percent.

15 Q. So I think this is probably implicit and
16 obvious from your answer, but does Dr. Leonard
17 actually have the Pandora agreement with -- with
18 ASCAP?

19 A. My understanding is, no, he does not. He
20 was making an assumption based on financial
21 information that was publicly available.

22 Q. All right. So now we're back to effective
23 competition, and the competition adjustments proposed
24 by the services' economists. Dr. Peterson first.

25 I think we have talked about this already.

1 He bases it on the Web IV adjustment. But can you
2 just kind of wrap this up for us?

3 A. Yeah. I mean, I feel like we've covered
4 this off. But he uses a 12 percent competition
5 adjustment based on the Web IV decision. That
6 agreement is no longer in effect.

7 And I think, as I've explained multiple
8 times today, rates and the relevant rates that I use
9 here have come down. The Spotify rate is
10 significantly below the rate for all other services.
11 And remember in Web IV all services were used for the
12 estimate, and the Spotify rates come down, as has the
13 Apple rate.

14 Q. Okay. I do have a couple of slides where I
15 am actually going to need to go into restricted
16 session. I don't think it is going to be more than
17 about five or six minutes -- might be ten minutes.

18 CHIEF JUDGE FEDER: Okay. We only have
19 about 15 minutes left today. So shall we say we will
20 be in restricted session until the end of the day?

21 MR. HANDZO: Yes, that's fine.

22 CHIEF JUDGE FEDER: Okay. So we will go
23 into restricted session, and we will remain in
24 restricted session for the remainder of today. Will
25 the host please clear the virtual courtroom.

1 MR. SACK: Thank you, Your Honor. We are
2 beginning to clear the room now. If you are an
3 attendee in the Zoom meeting who is not allowed to
4 attend restricted session, please leave the session
5 by clicking the red leave button on the bottom
6 right-hand of your screen or click the X on top
7 right-hand side. Your counsel will inform you when
8 you are allowed to return to the proceeding.

9 Please stand by, Your Honors, and counsel,
10 while we work to clear the room.

11 (Whereupon, the trial proceeded in
12 confidential session.)

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1 C O N T E N T S

2 EXAMINATION DIRECT CROSS

3 JONATHAN ORSZAG

4 By Mr. Handzo 1183

5

6 AFTERNOON SESSION: 1321

7

8 CONFIDENTIAL SESSIONS:

9 1206-1217, 1252-1268, 1280-1298, 1375-1430, 1460-1475

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1 CERTIFICATE

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3 I certify that the foregoing is a true and
4 accurate transcript, to the best of my skill and
5 ability, from my stenographic notes of this
6 proceeding.

7

8

9 8/11/20

A handwritten signature in cursive script, appearing to read "K. Bryant", is written over a horizontal line.

10 Date

Signature of the Court Reporter

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Determination of Rates and Terms (Web V) Docket No. 19-CRB-0005-WR (2021-2025) August 11, 2020
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