

PTX1853 — видеозапись показаний под присягой

Доказательство по делу «Соединённые Штаты и штаты-соистцы против Google LLC», № 1:23-cv-00108, Окружной суд США по Восточному округу Виргинии.

Что это за документ и как он получен

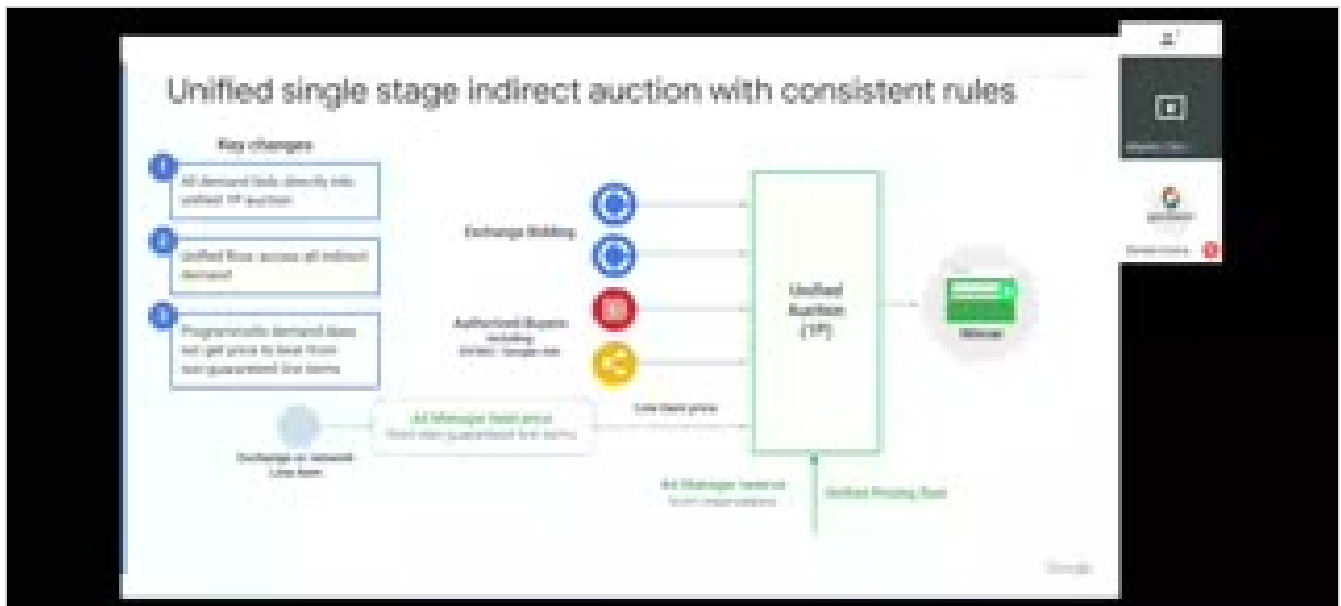
Исходник — видеозапись продолжительностью 13 минут 48 секунд, опубликованная Минюстом США: <https://media.justice.gov/vod/atr/PTX1853-Video-Public.mp4>

- На экране два слоя: слайды презентации Google и стенограмма, вшитая в кадр субтитрами.
- Числа вида «52:9» — это **страница и строка стенограммы**, а не время записи.
- Текст снят распознаванием кадров, а не расшифровкой звука: субтитры уже содержат нумерацию стенограммы, которой в звуке нет.
- Строки сведены по номеру «страница:строка», поэтому повторов нет. Получено 288 строк, страницы с 11 по 96.
- Разрывы в нумерации проверены отдельно и оказались монтажными склейками: к делу приобщены выдержки из показаний, а не запись целиком.

Слайды записи

- Всего различных слайдов: 3.
- Каждый показан дальше отдельной страницей вместе с тем, что говорилось при нём.

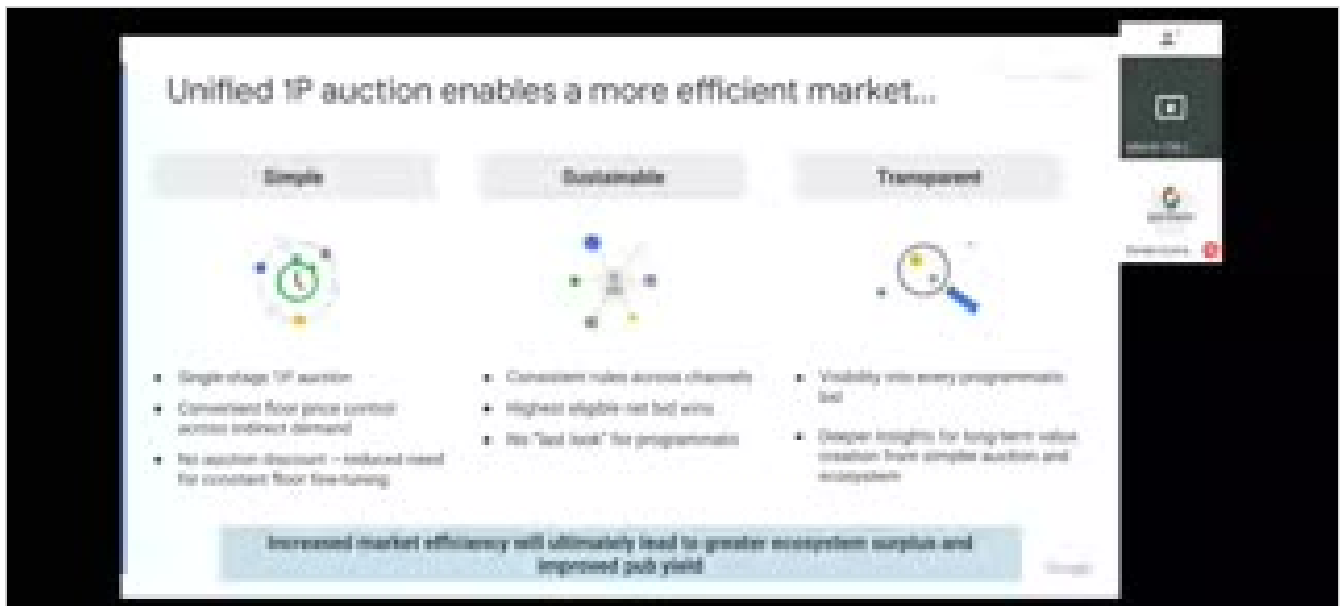
Слайд 1 из 3



Сказано при этом слайде

- 11:13 So, just to reiterate, these are the three changes
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11:15 One, just to reiterate, AdX will move to a first-place
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11:18 Pricing Rules, which lets you centrally control pricing across
11:19 all indirect sources of demand in a convenient manner.
11:20 And the third is, we're getting rid of this notion of
11:21 last look, where programmatic demand had access to the
11:22 non-guaranteed line-item price to bid in advance of actually
11:23 submitting its bids.

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- 22:18 STEPHANIE LAYSER: So--so, up--you know, optimizing yield
- 22:19 is important to publishers, but control is also important to
- 22:20 publishers. And so, the problem with this seems to be, like,
- 22:21 the control sits on Google's plate rather than with controlled
- 22:22 setting within publishers and the ways that--way that we want to
- 22:23 manage our stack.
- 23:25 The way I actually think about it, is I keep comparing
- 24:1 it to the financial markets world. Right? The financial
- 24:2 markets is actually very different from the digital ads
- 24:3 ecosystem, but there are sufficient parallels where you actually
- 24:4 see that that's a lot more sophisticated as a marketplace. And
- 24:5 you need to get to a world where increased market efficiency is
- 24:6 what leads to surplus across the board. And that's what will
- 24:7 benefit publishers also in the long run.
- 24:8 STEPHANIE LAYSER: So, the major difference between the
- 24:9 financial market and the programmatic market is that the people
- 24:10 that own the financial markets are not also bidding on the same
- 24:11 markets.
- 24:12 RAHUL SRINIVASAN: That's a completely fair point.
- 31:18 JANA MERON: So, on top of that, what you just said about
- 31:19 the reporting, it is not easy to get deal reporting inside
- 31:20 Exchange Bidding. It's next to impossible. You can't see the
- 31:21 bid values with the revenue. There is an app--you have made it
- 31:22 next to impossible for any of us to be able to figure out how
- 31:23 we're going to increase yield with our other partners instead of
- 31:24 Google.

31:25 I mean, I speak to buyers all day long and they say,
32:1 "Well, if that's the way Google works, why wouldn't we just work
32:2 with Google?" And isn't that a monopoly?
32:3 And so, that's sort of where, you know, we as sellers
32:4 and people on the publisher side of things sort of throw up our
32:5 hands and say, "Yeah, we don't know."

39:19 EMRY DOWNINGHALL: I just think the biggest problem, I
39:20 think some of us have, and speaking for myself, is that this
39:21 product is already built. It's done. It's--you could probably
39:22 turn it live tomorrow. And so, when people here are suggesting
39:23 feedback, it's putting a lot of faith in Google that this
39:24 feedback would be actionized and there's really no recourse for
39:25 us whatsoever to actually enforce you to change a product that
40:1 you've already built. You know? Google has been asking, you
40:2 know, us to bring more and more of the auction within the Googl
40:3 pipes and to do more and kind of trust Google with, you know,
40:4 our ad decisioning strategy. And now, all that control, which I
40:5 think is the real keyword, is going to be kind of lifted from
40:6 us, and we just kind of have to hope Google is acting in our
40:7 best interest. And that's kind of a lot to swallow.

40:18 EELIY ZENC: It does But I think also like in terms of
48:19 FELIX ZENG: So, one thing that, you know, we do is that
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48:21 the case where it is useful, maybe I want to prioritize the
48:22 buyers that has the lowest rev share.

48:23 So, one way to solve it is, if you want it uniform, is
48:24 Google willing to match the lowest rev shares that we get from
48:25 our buyers?

49:1 RAHUL SRINIVASAN: So, let me--let me just unpack that.
49:2 Right? You're basically saying that, if you have, say, a
49:3 Rubicon bid of \$1 and a Google bid of \$1, because Google has a
49:4 different rev share than Rubicon, you actually want to be able
49:5 to give Rubicon a leg up in some sense. Right?
49:6 And I would just argue that, you know, everything in
49:7 the unified auction at least competes on a net basis. So, it's
49:8 all net-of-rev share. Right?

49:9 MALE AUDIENCE MEMBER: [Affirmative response.]

49:10 RAHUL SRINIVASAN: So, in spite of the fact that there are
49:11 differential rev shares across different channels, all of them
49:12 are accounted for when we actually look at the final
49:13 competition. Right? So, we're operating in--because we operate
49:14 in the net bid world, there is no--never a situation where, you
49:15 know, you could have prioritized a certain buyer and actually
49:16 improve yield, because that's already accounted for.

49:17 Does that--does that make sense?

49:18 FELIX ZENG: It does. But I think also, like, in terms of

49:19 our relationships. Right? Like, in order to get a concession

49:20 on rev shares, maybe we have to get something up, and priority

49:21 is one of those concessions. Right? So, maybe we are willing

49:22 to sacrifice yield on a small bit of impressions in order to get

49:23 concessions in other things.

49:24 So, I think there is--taking that control from us is

49:25 actually something that's very hard to give up. And I think you

50:1 get the consensus here----

50:2 RAHUL SRINIVASAN: Right.

50:3 FELIX ZENG: ----that nobody wants to give up pricing by

50:4 buyers. "Buyers," defined as SSPs, like AppNexus.

50:5 RAHUL SRINIVASAN: Right. So, again, I would just sort of-

50:6 -the way I would react to that is to actually say that, the way

50:7 you were giving priority in the current world is actually a very

50:8 hacky mechanism of giving priority. And you will continue

50:9 having some hacky ways of giving priority, if you so choose.

50:10 Right? Things like what Fabrizio mentioned, where you can

50:11 inflate the value CPMs, if you so choose. Or you can also book

50:12 certain campaigns as standard or sponsorship, if you so choose.

50:13 Right? Where you have a guaranteed number of impressions that

50:14 go to a specific source of demand. It's just that we would not

50:15 recommend it because it could significantly compromise your

50:16 yield, but you still have certain hacky ways of doing it, if

50:17 you--if it's absolutely necessary from a business perspective.

50:18 And if you do do that, I would just caution you to

50:19 also look at the opportunity costs of some of these decisions,

50:20 because it could result, like I said, in situations where you

50:21 have a very suboptimal yield set up.

50:22 JANA MERON: It seems to me that this was all built for

50:23 header bidding [inaudible 1:09:10]. Yeah. [Laughter.

50:24 Clapping.]

50:25 RAHUL SRINIVASAN: So, could you--could you say more,

51:1 please?

51:2 JANA MERON: So, we all have--right? I mean, everybody has

51:3 a header bidder. And we are all working with you, clearly. And

51:4 we are all--and we are all potentially using Exchange Bidding.

51:5 Not everybody is inside of Exchange Bidding. Not

51:6 everybody's playing nice together. Right? It's a super-

51:7 complicated world.

51:8 And you built this and say, "Oh, we're going to be a

51:9 unified auction for us, but not for the rest of the way that we

51:10 all do business."

51:11 RAHUL SRINIVASAN: So, again, my reaction to that would be
51:12 that, you know, this is not something that necessarily only
51:13 disadvantages header bidding. Right? It's not that we're
51:14 giving AdX or EB a leg up compared to ex--compared to header
51:15 bidding in this context. We are also----

51:16 JANA MERON: [inaudible 1:09:59] Right? Like, forget about
51:17 being [inaudible 1:10:03] and all that. But not being able to
51:18 say--to create a rule that says, "This person cannot submit a
51:19 bid under this level." Or, if we are--you know, whatever the
51:20 priorities may be for each one of our businesses, then yeah, it
51:21 hand-ties us.

51:22 RAHUL SRINIVASAN: So, again, the point that I was trying
51:23 to make is we have this notion of AdX last look, for example.
51:24 Right? Where AdX had the opportunity to look into the header
51:25 bidding line-item price and submit a bid that was, you know--you
52:1 know, had informed how their bidding should be. And this was
52:2 available to both AdX and Exchange Bidding.
52:3 So, we're removing that ability.
52:4 here is on being able to have consistent rules across all of the
52:5 channels, like I mentioned, because that's the right way to move
52:6 to a more sustainable ecosystem. This is not about taking away
52:7 control or actually getting rid of header bidding, because I
52:8 don't think I personally--
52:9 I'm the Exchange Bidding product manager as well. I
52:10 don't think header bidding is going away. I think we initially
52:11 thought that that was our vision, for example, that we would
52:12 build a better product that all publishers that opt and use.
52:13 But we recognize the fact that header bidding is not going away,
52:14 and we have accepted that, which is why we're building tools
52:15 that help you manage sources of demand across all different
52:16 channels in a way that you actually want to.
52:17 And this is not about--this is not about deprecating
52:18 header bidding. This is more about just having consistent rules
52:19 across the board for a more sustainable ecosystem.

52:20 FEMALE AUDIENCE MEMBER: So, if we create Google's
52:21 [inaudible 1:11:25] buyers in our headers.

52:22 RAHUL SRINIVASAN: So, you can still--again, if you so
52:23 choose, you can continue doing that. Right? We have no control
52:24 over the header bidding auction. You--all we're saying is that,
52:25 when it competes finally on a net basis within the unified
53:1 auction, we would have consistent rules, right, across the
53:2 board. This doesn't take away your ability to, if you want to
53:3 make different setups within your header bidding partners, you
53:4 can still continue doing so, because we have no control over

53:5 that.

53:6 JANA MERON: But DFP does, because I can't set a rule by a
53:7 buyer.

53:8 RAHUL SRINIVASAN: No. But if--for example, if you have
53:9 Index trafficking through header bidding and you want to have
53:10 different setups within the Index wrapper, you can still do
53:11 that.

56:3 RAHUL SRINIVASAN: Yes. So, the--the alternate point that
56:4 I would also make is that, in a first-price auction, the floors
56:5 do not add price pressure directly to the--how the auction
56:6 clears.

56:7 FEMALE AUDIENCE MEMBER: It's not about the pressure.

56:8 FEMALE AUDIENCE MEMBER: It doesnt [inaudible 1:15:04] we
56:9 dont care about the price pressure, and now that it is a first-
56:10 price option, it's fine.

56:11 JANA MERON: It's--it's not about that. It's about the
56:12 relationships that we have with various vendors that we want to
56:13 relationsbins that wo have with various vondors that wo want to
56:14 Everybody is not equal.

57:22 I would recognize that there's--some of these changes
57:23 may be--don't benefit publishers. Some of these changes don't
57:24 benefit byers. Like, getting visibility into every bid into the
57:25 auction is not something that buyers particularly enjoy. Right?

58:1 So, we're making some changes that we think are necessary to g
58:2 to a more sustainable ecosystem, which is why we bundled all of
58:3 these changes together.

59:9 STEPHANIE LAYSER: So, say--so, say I'm unhappy with this
59:10 and I want to switch ad servers.

59:11 Is there anything on the plan? You know, I don't want
59:12 to give up AdWords or AdX demand and I want it to compete kin
59:13 of holistically with all the rest of my partners. Is there any
59:14 plans for you to integrate with any of the server-to-server
59:15 header bidding, or client-side header bidding partners?

59:16 RAHUL SRINIVASAN: So, DBM, for example, is available on
59:17 other SSPs today.

59:18 STEPHANIE LAYSER: But AdWords is what we're talking about.
59:20 through other exchanges.

59:21 FEMALE AUDIENCE MEMBER: So----

59:22 RAHUL SRINIVASAN: It's just--it doesn't have all of the
59:23 demand. Right? AdWords just finds it more--more ROI-positive
59:24 to actually buy most of their inventory through AdX.

59:25 But that said, I think that is also something we can
60:1 explore if, you know, there is a lot of reason for it.

60:2 STEPHANIE LAYSER: Okay. Yeah. I mean, I think there is a

60:3 lot of reason for it. I mean, 90 percent of all publishers are
60:4 on DFP, and it sort of feels like, at this point in time, you
60:5 can make determinations and changes to your product as you w
60:6 so that Google is in control of it. And so, if we wanted to
60:7 switch, it doesn't really feel like we would be able to access
60:8 the whole AdX pool of demand the way we want to in any of your
60:9 other competitors.

60:10 RAHUL SRINIVASAN: That's--that's fair feedback, and we can
60:11 get back to you on that.

60:12 MALE AUDIENCE MEMBER: You said AdX tags still exist, no
60:13 [inaudible 1:19:11].

60:14 RAHUL SRINIVASAN: Tags for?

60:15 MALE AUDIENCE MEMBER: AdX. AdX type.

60:16 RAHUL SRINIVASAN: Yeah. AdX type [inaudible 1:19:15].
60:17 Yes.

60:18 MALE AUDIENCE MEMBER: So----

60:19 STEPHANIE LAYSER: So, basically it would be--like, because
60:20 it doesn't reverse, like, you can set everybody up in header
60:21 bidding, and have everything else from everybody else pop in,
60:22 insert a header in it, and goes by price. But we can't do the
60:23 same thing in AdX within another SSP or within another ad
60:24 server. And that has to do with the fact that, well, Google
60:25 will give you tags, but it will not insert the price into
61:1 another.

61:2 JAY GLOGOVSKY: So, I hope the Googlers in the back buy you
61:3 a really stiff drink later because we've been pretty----

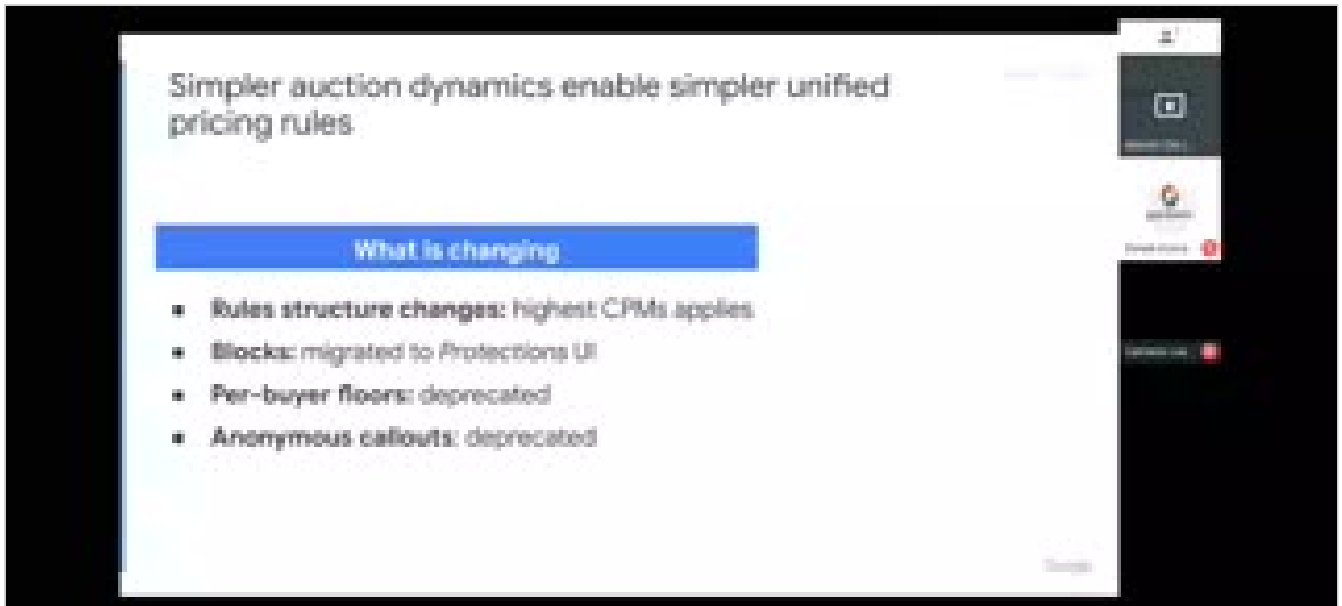
61:4 RAHUL SRINIVASAN: I think I need it right now.

61:5 JAY GLOGOVSKY: I--I like that idea. Let's get them drunk
61:6 so you can ask more questions.

61:7 I'm not going to use the word "monopoly," switching ad
61:8 servers. We want buyer rules. I'm going to change it slightly
61:9 because we can give you a thousand reasons why we need them

71:13 SCOTT MULQUEEN: Going back to pricing decisions in the ad
71:14 server scenarios, could you talk a little bit about what happens
71:15 when AdX has \$5 and Exchange Bidding partner has \$5 as a net
71:16 bid, and also a header bidding partner has \$5? Because
71:17 scenario, to Felix's point from 20 minutes ago, having control
71:18 over the gross value of those bids, knowing that there's a
71:19 different rev share against each one of those partners would be
71:20 very valuable to us, because it would definitely, immediately
71:21 impact the advertiser return on ad spend through each of those
71:22 channels. And we would certainly want control in order to serve
71:23 as kind of the final outcome, with the advertisers are looking
71:24 for.

Слайд 3 из 3



Simpler auction dynamics enable simpler unified pricing rules

What is changing

- Rules structure changes: highest CPMs applies
- Blocks: migrated to Protections UI
- Per-buyer floors: deprecated
- Anonymous callouts: deprecated

Сказано при этом слайде

85:1 Per-buyer floors are no longer needed in a first-price
85:2 auction. We've covered that. You don't like it. [Laughter.]
95:2 But my other question, I guess, is in a world where
95:3 bid shading exists, and I think Google provides, as an SSP,
95:4 provides a bid-shading product to buyers, it seems to me like
95:5 pricing can still be used to optimize yield, maybe not on an
95:6 individual-impression auction, but in the auctions following
95:7 that.
95:8 So, if you have a buyer in your \$2 and \$4 example, if
95:9 that second buyer learns that they can bid \$2.01 next time to
95:10 win that same inventory, if we put a floor on that buyer at \$3,
95:11 we'd be maximizing yield, we'd get 99 cents of yield there.
95:12 So, I--I don't 100 percent understand the assertion
95:13 that yield is no longer--like, that floors no longer affect
95:14 yield in a first-price auction.
95:15 GIULIO MINGUZZI: I think we recognize that. And I
95:16 mentioned before that floors have the potential to still
95:17 influence buyer behaviors in a first-price auction. So, we're
95:18 not saying that floors are meaningless for yield.
95:19 And I think that the distinction is between short-
95:20 term, like you said, on a per-impression basis, versus long-
95:21 term. And the way we see it is more--floors are used to really
95:22 protect the value of your inventory, long term. Meaning, if
95:23 today the market is valuing your inventory, a specific chunk of
95:24 your inventory, at \$10, you will like that this persists over
95:25 time instead of going down gradually. And so, tools are still

96:1 useful for that.

96:2 And we are also building tool that will try to solve

96:3 this problem for you. We're not saying that floors disappear--

96:4 that floors disappear entirely--that floor are meaningless now

96:5 entirely.

Полная стенограмма

В порядке страниц и строк оригинальной стенограммы.

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50:25 RAHUL SRINIVASAN: So, could you--could you say more,
51:1 please?

51:2 JANA MERON: So, we all have--right? I mean, everybody has
51:3 a header bidder. And we are all working with you, clearly. And
51:4 we are all--and we are all potentially using Exchange Bidding.
51:5 Not everybody is inside of Exchange Bidding. Not
51:6 everybody's playing nice together. Right? It's a super-
51:7 complicated world.

51:8 And you built this and say, "Oh, we're going to be a
51:9 unified auction for us, but not for the rest of the way that we
51:10 all do business."

51:11 RAHUL SRINIVASAN: So, again, my reaction to that would be
51:12 that, you know, this is not something that necessarily only
51:13 disadvantages header bidding. Right? It's not that we're

51:14 giving AdX or EB a leg up compared to ex--compared to header
51:15 bidding in this context. We are also---
51:16 JANA MERON: [inaudible 1:09:59] Right? Like, forget about
51:17 being [inaudible 1:10:03] and all that. But not being able to
51:18 say--to create a rule that says, "This person cannot submit a
51:19 bid under this level." Or, if we are--you know, whatever the
51:20 priorities may be for each one of our businesses, then yeah, it
51:21 hand-ties us.

51:22 RAHUL SRINIVASAN: So, again, the point that I was trying
51:23 to make is we have this notion of AdX last look, for example.
51:24 Right? Where AdX had the opportunity to look into the header
51:25 bidding line-item price and submit a bid that was, you know--you
52:1 know, had informed how their bidding should be. And this was
52:2 available to both AdX and Exchange Bidding.
52:3 So, we're removing that ability.
52:4 here is on being able to have consistent rules across all of the
52:5 channels, like I mentioned, because that's the right way to move
52:6 to a more sustainable ecosystem. This is not about taking away
52:7 control or actually getting rid of header bidding, because I
52:8 don't think I personally--
52:9 I'm the Exchange Bidding product manager as well. I
52:10 don't think header bidding is going away. I think we initially
52:11 thought that that was our vision, for example, that we would
52:12 build a better product that all publishers that opt and use.
52:13 But we recognize the fact that header bidding is not going away,
52:14 and we have accepted that, which is why we're building tools
52:15 that help you manage sources of demand across all different
52:16 channels in a way that you actually want to.
52:17 And this is not about--this is not about deprecating
52:18 header bidding. This is more about just having consistent rules
52:19 across the board for a more sustainable ecosystem.

52:20 FEMALE AUDIENCE MEMBER: So, if we create Google's
52:21 [inaudible 1:11:25] buyers in our headers.

52:22 RAHUL SRINIVASAN: So, you can still--again, if you so
52:23 choose, you can continue doing that. Right? We have no control
52:24 over the header bidding auction. You--all we're saying is that,
52:25 when it competes finally on a net basis within the unified
53:1 auction, we would have consistent rules, right, across the
53:2 board. This doesn't take away your ability to, if you want to
53:3 make different setups within your header bidding partners, you
53:4 can still continue doing so, because we have no control over
53:5 that.

53:6 JANA MERON: But DFP does, because I can't set a rule by a
53:7 buyer.

53:8 RAHUL SRINIVASAN: No. But if--for example, if you have
53:9 Index trafficking through header bidding and you want to have
53:10 different setups within the Index wrapper, you can still do
53:11 that.

56:3 RAHUL SRINIVASAN: Yes. So, the--the alternate point that
56:4 I would also make is that, in a first-price auction, the floors
56:5 do not add price pressure directly to the--how the auction
56:6 clears.

56:7 FEMALE AUDIENCE MEMBER: It's not about the pressure.

56:8 FEMALE AUDIENCE MEMBER: It doesn't [inaudible 1:15:04] we
56:9 don't care about the price pressure, and now that it is a first-
56:10 price option, it's fine.

56:11 JANA MERON: It's--it's not about that. It's about the
56:12 relationships that we have with various vendors that we want to
56:13 relationships that we have with various vendors that we want to
56:14 Everybody is not equal.

57:22 I would recognize that there's--some of these changes
57:23 may be--don't benefit publishers. Some of these changes don't
57:24 benefit buyers. Like, getting visibility into every bid into the
57:25 auction is not something that buyers particularly enjoy. Right?

58:1 So, we're making some changes that we think are necessary to go
58:2 to a more sustainable ecosystem, which is why we bundled all of
58:3 these changes together.

59:9 STEPHANIE LAYSER: So, say--so, say I'm unhappy with this
59:10 and I want to switch ad servers.

59:11 Is there anything on the plan? You know, I don't want
59:12 to give up AdWords or AdX demand and I want it to compete kind
59:13 of holistically with all the rest of my partners. Is there any
59:14 plans for you to integrate with any of the server-to-server
59:15 header bidding, or client-side header bidding partners?

59:16 RAHUL SRINIVASAN: So, DBM, for example, is available on
59:17 other SSPs today.

59:18 STEPHANIE LAYSER: But AdWords is what we're talking about.
59:20 through other exchanges.

59:21 FEMALE AUDIENCE MEMBER: So----

59:22 RAHUL SRINIVASAN: It's just--it doesn't have all of the
59:23 demand. Right? AdWords just finds it more--more ROI-positive
59:24 to actually buy most of their inventory through AdX.
59:25 But that said, I think that is also something we can
60:1 explore if, you know, there is a lot of reason for it.

60:2 STEPHANIE LAYSER: Okay. Yeah. I mean, I think there is a
60:3 lot of reason for it. I mean, 90 percent of all publishers are
60:4 on DFP, and it sort of feels like, at this point in time, you
60:5 can make determinations and changes to your product as you w

60:6 so that Google is in control of it. And so, if we wanted to
60:7 switch, it doesn't really feel like we would be able to access
60:8 the whole AdX pool of demand the way we want to in any of your
60:9 other competitors.

60:10 RAHUL SRINIVASAN: That's--that's fair feedback, and we can
60:11 get back to you on that.

60:12 MALE AUDIENCE MEMBER: You said AdX tags still exist, no
60:13 [inaudible 1:19:11].

60:14 RAHUL SRINIVASAN: Tags for?

60:15 MALE AUDIENCE MEMBER: AdX. AdX type.

60:16 RAHUL SRINIVASAN: Yeah. AdX type [inaudible 1:19:15].
60:17 Yes.

60:18 MALE AUDIENCE MEMBER: So----

60:19 STEPHANIE LAYSER: So, basically it would be--like, because
60:20 it doesn't reverse, like, you can set everybody up in header
60:21 bidding, and have everything else from everybody else pop in,
60:22 insert a header in it, and goes by price. But we can't do the
60:23 same thing in AdX within another SSP or within another ad
60:24 server. And that has to do with the fact that, well, Google
60:25 will give you tags, but it will not insert the price into
61:1 another.

61:2 JAY GLOGOVSKY: So, I hope the Googlers in the back buy you
61:3 a really stiff drink later because we've been pretty----

61:4 RAHUL SRINIVASAN: I think I need it right now.

61:5 JAY GLOGOVSKY: I--I like that idea. Let's get them drunk
61:6 so you can ask more questions.

61:7 I'm not going to use the word "monopoly," switching ad
61:8 servers. We want buyer rules. I'm going to change it slightly
61:9 because we can give you a thousand reasons why we need them

71:13 SCOTT MULQUEEN: Going back to pricing decisions in the ad
71:14 server scenarios, could you talk a little bit about what happens
71:15 when AdX has \$5 and Exchange Bidding partner has \$5 as a net
71:16 bid, and also a header bidding partner has \$5? Because
71:17 scenario, to Felix's point from 20 minutes ago, having control
71:18 over the gross value of those bids, knowing that there's a
71:19 different rev share against each one of those partners would be
71:20 very valuable to us, because it would definitely, immediately
71:21 impact the advertiser return on ad spend through each of those
71:22 channels. And we would certainly want control in order to serve
71:23 as kind of the final outcome, with the advertisers are looking
71:24 for.

85:1 Per-buyer floors are no longer needed in a first-price
85:2 auction. We've covered that. You don't like it. [Laughter.]

95:2 But my other question, I guess, is in a world where

95:3 bid shading exists, and I think Google provides, as an SSP,
95:4 provides a bid-shading product to buyers, it seems to me like
95:5 pricing can still be used to optimize yield, maybe not on an
95:6 individual-impression auction, but in the auctions following
95:7 that.

95:8 So, if you have a buyer in your \$2 and \$4 example, if
95:9 that second buyer learns that they can bid \$2.01 next time to
95:10 win that same inventory, if we put a floor on that buyer at \$3,
95:11 we'd be maximizing yield, we'd get 99 cents of yield there.

95:12 So, I--I don't 100 percent understand the assertion
95:13 that yield is no longer--like, that floors no longer affect
95:14 yield in a first-price auction.

95:15 GIULIO MINGUZZI: I think we recognize that. And I
95:16 mentioned before that floors have the potential to still
95:17 influence buyer behaviors in a first-price auction. So, we're
95:18 not saying that floors are meaningless for yield.

95:19 And I think that the distinction is between short-
95:20 term, like you said, on a per-impression basis, versus long-
95:21 term. And the way we see it is more--floors are used to really
95:22 protect the value of your inventory, long term. Meaning, if
95:23 today the market is valuing your inventory, a specific chunk of
95:24 your inventory, at \$10, you will like that this persists over
95:25 time instead of going down gradually. And so, tools are still
96:1 useful for that.

96:2 And we are also building tool that will try to solve
96:3 this problem for you. We're not saying that floors disappear--
96:4 that floors disappear entirely--that floor are meaningless now
96:5 entirely.