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YEŞİM NAZLAR:

Good morning, good afternoon, and good evening to everyone. Welcome to the seventh At-Large Capacity Building Webinar on the topic Virtual Camera Workshop taking place on Thursday, the 1<sup>st</sup> of October, 2020 at 13:00 UTC. We will not be doing the roll call at this webinar, but attendance will be noted on the Wiki page.

And if I could please remind all participants on the phone bridge, as well as computers, to please mute your lines when not speaking to prevent any background noise; and also to please state your names when taking the floor not only for the transcription purposes, but also to allow accurate interpretation.

We have Spanish and French interpretation on today's webinars. Our interpreters are Claudia and Paula on the Spanish channel, and Claire and Jacques on the French channel.

Thank you all for joining today's webinar, and now I would like to leave the floor over to Jonathan Zuck. Over to you, Jonathan. Thanks so much.

JONATHAN ZUCK:

Thanks, Yeşim. And thanks, everyone, for coming on board for the workshop. Some of you at least were on the webinar we did on giving better presentations online, and a big part of my pitch in that webinar is that people should spend more time on their faces than they do on their slides. In other words, switch to the slides just when there's something specific that you want to show—a particular visual, a punchline to a joke, in a sense, that you're telling, or a quote you want to show.

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*Note: The following is the output resulting from transcribing an audio file into a word/text document. Although the transcription is largely accurate, in some cases may be incomplete or inaccurate due to inaudible passages and grammatical corrections. It is posted as an aid to the original audio file, but should not be treated as an authoritative record.*

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It should be definitely kind of an accessory to your presentation and not the fundamental basis of the presentation because our ability to communicate using facial gestures, etc., and for people to trust what we say is a big function of being able to see our face.

The other issue is that if there are people that are hearing impaired, then they have a better chance of reading lips, etc., if they're able to see the camera feed. The idea is, use your camera feed as much as you can. So, what you might do in your presentation—and what I did in my presentation—is switch back and forth from sharing my screen to not sharing my screen in order to accomplish that because what I wanted to demonstrate is how you might do that purely in Zoom.

Unfortunately, Zoom doesn't have a feature built in to allow you to rapidly switch back and forth between your slides and your video and so I had to share and unshare in order to make that switch. It worked okay, but it's not quite as fluid. And every time you share, you have to choose which window you're sharing and things like that, which is a little bit inconvenient.

At the end of the presentation, I gave a very brief presentation of what's known as a virtual camera software. Virtual camera software is software that lets you build up a scene, including your video feed and things that you want to overlay on top of it and then presents itself to Zoom as if it's another camera so that you have a lot more control about what's going on over your camera.

So, if I was just giving a presentation right now and I wanted to switch to the slides, I could do this and you'll see that the slides very quickly came

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up as part of my camera feed. I didn't share my screen or anything. It just changed my camera feed.

I can also do some combination of something where I have them up here on the screen as just part of what I'm doing. And again, these are active slides here. This isn't an image. It's actually like a screen share, but it's just sharing the window on top of my video feed.

I can also reverse the two so that I have my slides big, and I'm in a camera down below. And then when you want to get really fancy, you could in fact build out a set of things—whoops, that's another interesting problem where your screen is reversed. But you can do things like use a PNG image and either create a [brand] for your camera so that you can always see what conference you're at.

But if you wanted to, this could easily be a graph that took up the whole screen that you were pointing out things on. It could be a lower third if you're trying to run a conference of something like that. So, these are the kinds of things you can do with a virtual camera software—basically build up your video feed in a series of layers and then make that your presentation over our camera. At this point, I have not yet shared my screen. I'm literally just showing these things over my video feed.

There is commercial software and there's free software for this. The commercial software that I use most often and that I recommend is something called ManyCam. If it's something you're going to be doing a lot of, then having the support of a company behind it and everything like that can sometimes give you a little bit more of a feeling of security. But the software we chose to use today for demonstration purposes is

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something called SplitCam because it's available for free for both Mac and Windows.

It doesn't have all the functionality that ManyCam does, which includes things like chroma key and things like that to create even more sophisticated scenes. It has a lot of functionality and more functionality than we're going to even talk about. And it's free. So far, I have found the authors of the program to be very responsive. So, when I've had problems, they give their Skype address. You can reach out on Skype and they respond fairly quickly to look into whatever trouble it is that you're having.

It's not perfect. It's not as powerful as ManyCam. It hasn't been around as long as ManyCam has been, but it's free and it's a great way to start out.

Then, at any time I can just switch back and I'm back at my camera. And I've done all of that without sharing my screen. It's all coming over my video feed. So, I don't even need to be a host in order to have a more sophisticated presentation on my screen.

Are there any questions about the concept? Should I be looking for anything in the—I'm not really reading the chat. But if anybody has a question, you can raise your hand and I can answer them. Is this all making sense so far to everyone?

Okay, excellent.

What I'm going to do now is share my screen and just sort of how you what the interface of the software looks like. It looks like Alberto is in

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the waiting room, [would be my guess]. I'm going to share my screen and show you what the software looks like and sort of the theory behind it. And then I'm hoping that each of you can experiment with this since we can see all of your camera feeds and you can start putting things into you camera feed in order to see how it works.

Oh, I guess the other thing I should mention—and I guess this requires a screen share as well—so Yeşim, if you can give me the ability to share my screen. Do I have it now?

YEŞİM NAZLAR: Yes, you do.

JONATHAN ZUCK: Thanks. I need to make the window bigger here so they see that [inaudible].

[SATISH BABU]: I thought that you didn't have to share your screen.

JONATHAN ZUCK: Yeah, I had to share—well, I don't technically. I could in fact share my screen through SplitCam if I wanted to. That's definitely the case. If I share my screen now and I go to Zoom, I'm hoping. Let's see. Where is it? I should be able to share the Zoom at the top, but I'm not seeing it.

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Well, I don't know the answer to why I'm not seeing Zoom as one of my options for sharing.

Let's see if I can do that in SplitCam. I'm going to get rid of the scene that has the ManyCam ad in it. I'm going to create a new camera. I'm going to add a layer. And then I'm going to share a window. Now let's see if Zoom is one of my options.

All right. There you go. Now I'm sharing my Zoom screen and we're all looking at Eduardo, right? I'm sharing my Zoom screen as my video.

What I wanted to show you before I got too much further is that down here where you start and stop video is a little area. Hopefully, everybody sees that. If you click on that, you can see all of the cameras that are available to you. You can see I've been playing around with a lot of different stuff. My actual web cam is this Logitech BRIO, but the one that I have selected as my camera is the SplitCam Video Driver. So, that's the option that you're going to want to choose in order to put the SplitCam output out through Zoom.

And there are some instances—I'll warn you up front—that once Zoom has grabbed your camera, it doesn't want to give it up even if you stop sharing. But if you change the camera to something else and then go into SplitCam, then it should be able to see your camera. If it doesn't, you might need to get out of Zoom and back in after running SplitCam.

The order that I did things was to get things up and going in SplitCam first, and then ran Zoom choosing SplitCam as my camera. Hopefully, that makes sense. That's how I'm making it available here in Zoom.

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Another feature that I guess I can show you quickly—Satish, I guess is now in here, right? Or is he?

SATISH BABU: I'm here.

JONATHAN ZUCK: Okay, good. One of the things I wanted to show you, one of the things I've discovered is that I have not found software like this for Linux yet. There is a virtual camera package that's called Webcamoid which allow you to apply filters to the camera. So, it's the same technology of getting in between your camera and Zoom and allows you to do things like add a posturizer factor, make it black and white, or something like that.

But as far as I know, they've not yet added the feature to composite things on top of your picture, which is one of the things that we're trying to do. It would be very easy to add now that they've done the hard work of creating a virtual camera, but at this point I have not found a Linux-based solution.

But what I mentioned to Satish is that there is a new—when you go to share your screen, if you go to Advanced, there are some new features. One of them is Content From a Second Camera, and one of them is a portion of a screen which is a very powerful thing because sometime you don't want to always share the whole window or a whole screen, but just a part of it. So, that's a new feature.

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But this other new feature here is called PowerPoint As a Virtual Background, and when you choose that it's going to ask you to load up your PowerPoint. What you'll see here is that the PowerPoint itself is actually presented as part of your screen share, so it's reading the actual file and it will allow you to do things like have video going on at the same time as your PowerPoint presentation. You can merge it or you can split it, etc., in order to show both at once.

That's a cool feature that they've added to Zoom. It's just been Beta, but it does allow you to have your camera and your PowerPoint showing at the same time. And it gives you a way to go through your PowerPoint from within Zoom. It's showing up as your virtual background, basically.

The difficulty with this, though, is that the PowerPoint slides become static when they come in through Zoom. So, they've not yet implemented all of the build slide features and animations and things like that that you may have as part of your slide. They all become static, which we're sort of used to because when you make them into PDFs they become static, too.

But that's just a feature that I wanted to show you as a way to dip your toe in this pool, so to speak. But it's not what we're going to be trying to share generally.

What we're going to do instead is go back to Basic and share—SplitCam. Let's see. So many things running at once here. Hang on a second.



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SATISH BABU: You know that button that says Go Live? It doesn't go live in mine.  
[inaudible]

JONATHAN ZUCK: Go Live is another functionality. It's not for this purpose. That's if you want to use this for streaming out to Facebook Live or YouTube Live or LinkedIn Live or something like that. That's another feature of the— what am I trying to say?—SplitCam, is the ability to stream also. You can build up these scenes and then stream directly out to things that have a stream key and a password. So, that's another functionality, but it's not what we're talking about today. I hope that makes sense.

So, you're seeing my SplitCam right now, right, on your screen?

SATISH BABU: Yes.

JONATHAN ZUCK: You'll see here along the left-hand side is where I've set up these different scenes. The first one is just my camera. That's scene one. Then over to the right you can see the layers that I've created for that particular scene. And then when I click on the next scene, you're now looking at the PowerPoints and you can see there that the layer in this case is a Window Share which I'll show you in a second.

If I go to this third one, it has two things. It has, on the bottom, my web cam feed; and on the top, the PowerPoint slide which I have the ability

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to come into and move around, reposition, make larger or smaller, etc., as I'm building out these different scenes.

ALFREDO CALDERON: Jonathan, I'm sorry.

JONATHAN ZUCK: Yes, please go ahead.

ALFREDO CALDERON: You need to have all these layers opened as applications, right, in order to [inaudible]?

JONATHAN ZUCK: That's right. But some of the layers are windows that you're trying to share, but some of them might not be. For example, this one that I showed you here where I had just put the ICANN logo here as a PNG image, that's just an image file that you can open up. You don't need, in that case, to have anything open. But when you want to do a share of a window or part of a window or something, then that needs to be open on your desktop.

In this case, you can see I did the same thing, just the inverse. So, the PowerPoint is on the bottom and the web camera is on the top in terms of these layers. So, that's how you construct these things. If I start back to this blank one, you see I have just the camera. If I click the plus sign up here, here are all the things I have available to me as things that I can

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show as layers within my camera. So, I can share web camera, which I'm doing now, a IP camera if you have an IP address to another camera. There's a built-in browser so you can either share your browser window, or this will actually open up a website for you. You can share a screen or share just a window of the screen. You can share a game.

And then you also have the ability to share your microphone or system audio. That's for a very specific purpose, and that's more often going to be used when you're doing streaming out to Facebook or YouTube because what I'm doing in this case is specifying the microphone in Zoom. I'm just using the camera features of SplitCam. But if you want to do streaming out to Facebook or YouTube or something, then you would show our microphone as part of your scene so that the team picks up on the microphone.

Then you also have the ability to share system audio as part of your scene as well if you're trying to play a video or something.

SÉBASTIEN BACHOLLET: Jonathan, can I interrupt you?

JONATHAN ZUCK: Yes, please go ahead.

SÉBASTIEN BACHOLLET: In the chat, you have people who have trouble to install the system. I don't have trouble to install the system, but I [inaudible] to play with it,

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not going well. I am on a Macintosh and I will be in contact with SplitCam guys [inaudible] hopefully.

I want to caution you. You may be losing a lot of people. You know what you are talking about and I am sure there are people who are understanding everything that you are talking about, but I think what could be useful—and maybe we are too much people here—but it surpassed what they can do.

JONATHAN ZUCK: Oh, no. I planned—that’s what I want—

SÉBASTIEN BACHOLLET: Don’t put too much thought into telling what we can do because I will have forgotten.

JONATHAN ZUCK: Okay.

SÉBASTIEN BACHOLLET: And if I don’t use it, I will not be able to have that in my mind. It’s just my advice, nothing else. Do what you want. It’s my feedback, sorry. Thank you.

JONATHAN ZUCK: I appreciate it. I had lost the chat when I shared my screen, so I didn’t see that. What I would love is for people to just try this and we’ll look at

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the camera feed. That was where I was going to go next. I was just trying to give an overview, but thank you for slowing me down, Sébastien. That's probably a good idea.

Are there other questions? I've not been paying attention to the chat.

EDUARDO DIAZ: I have a question. I'm using a Mac, but I don't see the split camera on my video feed. Do I have to get out of Zoom, come back in, and—

JONATHAN ZUCK: Yeah, probably.

EDUARDO DIAZ: I had SplitCam on when I got into Zoom. I don't see it as one of my [inaudible].

JONATHAN ZUCK: That should have worked.

EDUARDO DIAZ: I'm using a Mac. I don't know if other people are using Macs.

ALFREDO CALDERON: Yes, Eduardo. I'm having exactly the same problem. Speaking toward Sébastien's question, I have to go into System Preferences to allow SplitCam to use some of the [inaudible]

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JONATHAN ZUCK: You do.

SÉBASTIEN BACHOLLET: Okay, I will do that. Thank you.

JONATHAN ZUCK: Definitely, in order to do things like Screen Share and things like that, the Mac requires that you give SplitCam permission to do that. You had to do it with Zoom, too, but you've probably forgotten by now.

EDUARDO DIAZ: The thing is, Jonathan, I did it the other way around. I had Zoom already and then I activated SplitCam. I'm able to get a second screen, but I don't seem to be able to get Zoom as one of these separate layers.

JONATHAN ZUCK: You don't want Zoom as a layer, though. The idea is that inside of Zoom, you want to set SplitCam as your camera.

EDUARDO DIAZ: Okay.

JONATHAN ZUCK: I was only sharing Zoom because I was trying to show the Zoom interface. But you don't need to share Zoom in order to do this feature.

[SATISH BABU]: Jonathan, can you hear me?

JONATHAN ZUCK: Yes.

[SATISH BABU]: I just installed SplitCam a few hours ago and tried to run it. [inaudible] a message saying that my display is 1336x768 which is in the [inaudible]. But then I [inaudible] display [inaudible] Windows [inaudible] the options. Doesn't give the options. [inaudible] 720 and 768. [inaudible]. That also [inaudible] included, so I don't know what to do. The option [inaudible] the system but SplitCam [inaudible] is not included in the options of the feature of display settings of the laptop. So, [inaudible]

JONATHAN ZUCK: What happens when you try to run it? Is it too big for your screen, or—?

[SATISH BABU]: No, it [inaudible] one size is too big but the other is too small, but the options that I get on the display [inaudible] laptop [inaudible] SplitCam [inaudible] that format. It is [inaudible] [inaudible] software [inaudible] started to run it [inaudible] with that [method] [inaudible]

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JONATHAN ZUCK: I feel like you should be able to resize the window and that it should still work, but if it's not working then send me an email and I will get in touch with the SplitCam guys. I told them I was going to be doing this webinar and they were excited about that, so I think they're going to be receptive if we shared specific issues that you're having with them. So, if you can write a quick email to me, I'll happily pass that on and try to get—. I don't know an answer off the top of my head.

SATISH BABU: Your email is your name dot your last name [inaudible]?

JONATHAN ZUCK: I'll put it in the chat.

MARITA MOLL: You went so quickly to the section about how to choose your cameras, I missed it.

JONATHAN ZUCK: No problem. Sorry. Do you see the button where you turn your camera on and off in Zoom?

MARITA MOLL: Yes.

JONATHAN ZUCK: Right next to it is a little up arrow.



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MARITA MOLL: Oh, I see it. [inaudible]?

JONATHAN ZUCK: Yes. Let's see if we can login here, too.

[MIGUEL]: Another thing I see. I think [inaudible] run the SplitCam [inaudible] suggestion. Maybe you have to [inaudible] or whatever to plan this kind of meeting maybe each month and a half so that even though we all manage to use the SplitCam, we can meet every four to six weeks to exchange a little difference that [inaudible] encounter and you can clear that out. But it would mean even more specialized [environment] [inaudible] people. You would [inaudible] with people that have already tried it, too, and have some trouble and maybe they ask more intelligent or more meaningful questions, maybe—

JONATHAN ZUCK: I'm happy to do that. We can do this more than once, for sure. We just had a request to do it. So, feel free to try things, and if you have troubles I'm happy to report those troubles. Then you can also download a demo version, a free version, of ManyCam if you want to see how that software works as well. I recommend that also.

[MIGUEL]: Okay, thank you.

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JONATHAN ZUCK: Yes, definitely.

Here I am now on my Mac. I don't know if you can see that. I guess I could rename myself. I've got my Mac open with SplitCam open as well. It should work on either of these platforms. If I stop sharing—

UNIDENTIFIED MALE: [Would you look because mine doesn't work]?

VANDA SCARTEZINI: Can I ask a question?

JONATHAN ZUCK: Of course, please.

VANDA SCARTEZINI: My clients use a different platform, so to make a presentation to them can I use the SplitCam in any platform or just by Zoom or some of those —YouTube or whatever?

JONATHAN ZUCK: Yes. Virtual camera software generally works well with other tools as well if they support virtual cameras. Not all of them support virtual cameras. For example, Skype and Webex right now don't support virtual cameras. But if you use the web interface for Skype and Cisco Webex, it can use the virtual camera. So, that's sort of the way around.

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VANDA SCARTEZINI: Okay.

JONATHAN ZUCK: Another thing that you can do is when you minimize SplitCam, you'll see that there's like a preview window that still remains on the screen. If you want to, you can share that preview window in Zoom, or whatever software you're using, and you'll get the same functionality. Does that make sense?

VANDA SCARTEZINI: Yes, thank you. I will try to make it work in other platforms because I don't choose the platform. The clients choose.

JONATHAN ZUCK: Of course, yes. Those are the two ways. Either use the web version of the platform if it doesn't support virtual cameras, or just share the preview window of SplitCam in that other platform. So, if you're having a Skype meeting and you do Share Window, just share the SplitCam window—not the main interface. But when you minimize it, it creates a preview window. You can share that window and that's your way that you can use all the same functionality.

VANDA SCARTEZINI: Okay. Thank you, Jonathan.

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YEŞİM NAZLAR: Jonathan, we have a raised hand. Alberto Soto's hand is up.

JONATHAN ZUCK: Okay, great. Alberto, go ahead, please.

ALBERTO SOTO: Good morning, everyone. [By chance], I have a large bandwidth right now in general, I have 16 megabytes per second. I didn't have time to read all the technical requirements of this tool. I don't know if it will work okay with 16 mps. Am I right?

JONATHAN ZUCK: The bandwidth requirement shouldn't be any different than it is for using video over Zoom because that's all you're doing. It shouldn't change your Internet traffic at all because it's all local to your computer. It's changing the camera feed that Zoom is using, so the bandwidth is only affected by how many cameras you're trying to bring down to your machine. So, you should not need more Internet bandwidth to use this functionality. Does that make sense?

ALBERTO SOTO: Yes, Jonathan. Thank you very much.

YEŞİM NAZLAR: Jonathan, another hand is from Gopal Tadepalli.

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JONATHAN ZUCK: Gopal, please go ahead.

GOPAL TADEPALLI: Good evening from India. Thank you very much for the nice package with the horseshoe icon and the [inaudible] icon. It works and it adjusts to the specifications of my laptop. If it's unlimited downloads, can I download any number of times on any machine?

JONATHAN ZUCK: Yes.

GOPAL TADEPALLI: More importantly, can I pass it on to my students? They will do a much better job. [Next one] [inaudible] we can get the manual with it.

JONATHAN ZUCK: Yes. And there are lots to tutorial videos on YouTube as well.

GOPAL TADEPALLI: Yes. So, it's [available] for downloads and it can be passed down?

JONATHAN ZUCK: Just so you know. You can go over all the features.

GOPAL TADEPALLI: That's fine. Thank you so much.

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JONATHAN ZUCK: It's not open source, but it's free. So, anybody can download it on as machines as they want to for free.

GOPAL TADEPALLI: Thank you.

JONATHAN ZUCK: Yes.

ALFREDO CALDERON: Jonathan, I have another question for you. I managed to get the SplitCam preview using my web cam, and at the same time, I'm in the Zoom room. Now how can I put those two together?

JONATHAN ZUCK: What you need to do is, inside of Zoom where you turn your camera on and off down at the bottom of the screen, next to the camera is a little up arrow. When you click that, you should see SplitCam listed as one of the cameras.

ALFREDO CALDERON: I got it! Let's see what happens.

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JONATHAN ZUCK: Now I'm looking at you again, so that's a good sign. Now choose a scene that has something in it. Just change things in SplitCam now and see what happens. Add text or—

ALFREDO CALDERON: I'm trying to see if I can. Okay, so I have Google open, the browser, as a webpage. So, that's [inaudible].

JONATHAN ZUCK: Okay. So, [you just switch to that scene]. You just click on the scene on the left-hand side to switch between your scenes. Or you can do Ctrl+1, Ctrl+2, Ctrl+3 and use your keyboard to switch between them.

ALFREDO CALDERON: The thing is that in the media layers, I only see the website. And I click on it, but nothing actually happens. And I still see my web cam as the first layer.

JONATHAN ZUCK: So, you don't need to have your web cam in every layer. You can just create a new layer. Underneath the scenes, you can create a new scene. And then when you create a new scene, you go to the second column and you'll see at the top is your list of layers and there's a plus there that allows you to add a new layer. So, then click that plus and then choose the window that has Google open in it.

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ALFREDO CALDERON: Oh, okay. Let's see if I can make it happen. Go on with other people. I'll keep trying.

JONATHAN ZUCK: No problem.

MARITA MOLL: I don't see how you pick the layers.

JONATHAN ZUCK: Okay. Let me do a share again to show that. Sébastien was obviously right that I was zipping through this too quickly, so I apologize. I'm going to share my screen.

Yeşim, can you enable me to share the screen?

YEŞİM NAZLAR: Jonathan, you should be able to share your screen. [inaudible].

JONATHAN ZUCK: Yeah, I'm—

YEŞİM NAZLAR: Oh, you had—sorry, sorry. I—



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SÉBASTIEN BACHOLLET: He needs to screen share with his new laptop, with the Macintosh laptop with a PC.

YEŞİM NAZLAR: Okay.

SÉBASTIEN BACHOLLET: [inaudible]

YEŞİM NAZLAR: One second, please. Let me give you co-host rights for you other account as well.

JONATHAN ZUCK: Thanks.

YEŞİM NAZLAR: You're welcome, sure.

JONATHAN ZUCK: All right. [inaudible] Sorry. All right. Am I still on anywhere?

ALFREDO CALDERON: Yes, you are. I can see you.

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[SÉBASTIEN BACHOLLET]: You are. [inaudible]

JONATHAN ZUCK: I think it knocked me out when I gave it permission, so just give me a second to come back in. Maybe I can just do it here. I think it tried to log me out, unfortunately, when I was trying to be in as two different people. It didn't like that. I'm going to share again.

So, Marita, over on the first column are my scenes.

MARITA MOLL: I see them.

JONATHAN ZUCK: In the second column it says Media Layers.

MARITA MOLL: Okay. Yeah, I see that.

JONATHAN ZUCK: Then right to the right of that is a plus sign. Do you see that? Do you see my mouse?

MARITA MOLL: Oh, it's tiny. Okay.

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JONATHAN ZUCK: So, when I click that, I see a list of things that I'm going to do. If I wanted to add text, I can add text in there. And I can edit the text.

MARITA MOLL: The trouble was on my screen. That plus sign is barely visible. So, okay.

JONATHAN ZUCK: All right.

MARITA MOLL: I see it now. Thank you.

JONATHAN ZUCK: Yes. Let me stop my share so I can see people's—let me come back to it.

MARITA MOLL: Now that we're not looking at your screen with all of the nice stuff on it already, Jonathan, how do I get that on my screen? Now it's gone, right? Because you've changed it. How do I get that up there?

JONATHAN ZUCK: So, what you're doing with SplitCam is changing what's in your video feed. Right? So, when you create a scene by adding text or adding a picture or sharing a screen, etc., you create a scene and you select that scene. That is now what we'll see over the camera. So, in my case, if I choose this scene—it's got me and it's got PowerPoint in it, for example. Am I answering your question?

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MARITA MOLL: Yes. And I've got a PowerPoint open in the background, but I don't see any way to connect the two from the—

JONATHAN ZUCK: In SplitCam, you're going to click the plus next to Media Layers.

MARITA MOLL: Okay. Yeah, I've got the SplitCam Video Driver open, but that's it. I don't know what else.

JONATHAN ZUCK: You want to have the SplitCam software open in front of you. That's where you see these scenes and the Media Layers.

MARITA MOLL: Oh, okay. I don't have that open. Sorry to—

JONATHAN ZUCK: That's all right. So, open that software. So, it's this software right here, Marita, that I'm talking about.

MARITA MOLL: Thank you, Jonathan. I see it. Okay.

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JONATHAN ZUCK: So, along the left-hand side are your scenes. And whenever you choose a scene, the second column shows you what layers you have in that scene.

MARITA MOLL: I see it.

JONATHAN ZUCK: And then if, in Zoom, you've selected the SplitCam Video Driver as your camera, then as you make changes here, they'll actually show up in your camera feed over in Zoom.

MARITA MOLL: That's going to require another process, but now it makes a little more sense. [Thank you].

JONATHAN ZUCK: Sure. It definitely will.

I'm going to stop the share in case anybody else wants to try and then I can see their video bigger. Has anybody tried this yet? Can I look at your camera feed?

ALFREDO CALDERON: Jonathan, if you look at mine, for some reason I can't get my layer to appear within Zoom. So, let me show—this is me, right? You can see me.

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JONATHAN ZUCK: So, now you are doing a virtual background in Zoom, right?

ALFREDO CALDERON: Right. So, I choose now. From the Zoom, I'm choosing the SplitCam [virtual] camera. Now you don't see me. Now you see my background—my virtual background—but you don't see me.

JONATHAN ZUCK: You might need to turn that off. That may be Zoom overriding it.

ALFREDO CALDERON: Okay, so let me turn it off.

JONATHAN ZUCK: Turn off the virtual background.

ALFREDO CALDERON: Yeah. [See if it's off—why it's not off]. I'll keep trying and I'll share my screen in a while, okay?

JONATHAN ZUCK: You share your screen to show me what you're doing if it's not working, but you don't need to share your screen to do this. Everything I showed you, I did without sharing the screen.

ALFREDO CALDERON: Yeah, I know, and I more or less figured it out, but I can't get that layer to pop up within Zoom. For example, I'm trying to get Google browser layer to appear. And let me see if I turn off [inaudible] go back. I can't get my background to disappear.

JONATHAN ZUCK: Joanna, you don't need to click Go Live. I think that's what caused you to get the No Active Stream message.

There you go!

ALFREDO CALDERON: Oh, I got it! Got it!

JONATHAN ZUCK: You got it.

ALFREDO CALDERON: Yes. Now [I got it].

JONATHAN ZUCK: That can be your PowerPoint. That can be a website. It can be Google Slides. It can be whatever you want it to be that you're sharing there. And then if you want to, you can add another layer on top of that that is your video camera, for example.

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ALFREDO CALDERON: Let me try something else here. See if I can get another file [inaudible] I'm going to add a new layer [inaudible] another image [inaudible] image from my pictures. Let's see what happens. Okay. Now, if I want to [inaudible].

So, how do I—

JONATHAN ZUCK: [inaudible]

ALFREDO CALDERON: I'm trying to switch between—I have two images and I have my web cam and I have a webpage. How do I switch.

JONATHAN ZUCK: You click between the thumbnails. So, you click on scene 1, scene2, scene3, like that.

ALFREDO CALDERON: Oh, okay.

JONATHAN ZUCK: [And slides].



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ALFREDO CALDERON: [inaudible] I'm going something wrong here. I'll try [inaudible].

JONATHAN ZUCK: [inaudible] looks like you're succeeding there.

So, right now we're just looking at your scene that has just the Google on it. [inaudible].

ALFREDO CALDERON: Yes, I know. I'm trying to figure out how to switch to the next one. Oh, there it goes. I saw it.

JONATHAN ZUCK: Yeah, there you go.

ALFREDO CALDERON: Yes. I'm getting it. For some reason, it's taking a little bit to refresh, but I'm getting there.

JONATHAN ZUCK: [inaudible] the first time you go through it.

Syuzun said, "I have two scenes now—a presentation, a camera—and how can I combine those two?"

The way that you would combine them is to create another scene in which you have both your presentation and your camera as a layer. Does that make sense, Syuzan? For example, that—

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SYUZAN MARUKHYAN: [inaudible]

JONATHAN ZUCK: For example, that's what I'm doing here. I've added my PowerPoint as the bottom layer and my web camera as the top layer. Does that make sense?

SYUZAN MARUKHYAN: I'm afraid I don't understand how to make those layers.

JONATHAN ZUCK: Okay. Let me share my screen again and I'll go through that. So, let's just get back into Zoom here. I'm going to share my screen and share SplitCam. So, can everyone see my SplitCam screen now?

SYUZAN MARUKHYAN: Yes.

JONATHAN ZUCK: If you see here, my Scene 1 is just my camera. I've clicked on Scene 1 which is the first column right here. And then you can see over here under Media Layers the layers that I have in that scene. If I want to add something else—say, for example, I want to share a window—then I'll be asked for the list of windows which window I want to share.

If I share the PowerPoint Slideshow, I now have the PowerPoint sitting on top of my web camera. So, right now it's taking up the whole screen,

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but if I go down to one of the corners, I can resize it and I can move it around on the screen. So, that's how I'm able to combine the presentation and the camera into the same scene.

If I hit the plus key again in the second column, I can say that I want to add an image and then, let's say I want to add the ICANN logo as a PNG. I now have this [PNG] on there as well. And because it's the top layer, I can actually put it on top of the slides. There's no reason to do that, but you see how the layers work. Whatever's on top in column 2 is going to be on top in your scene.

I might have a situation where I'm running a conference and I want this logo to be showing in all of my scenes, so I would have that up there on the top. And then no matter what else I had, it was always showing.

But I can just combine as many things as I want to into this scene.

ALFREDO CALDERON: Jonathan, I'm sorry to interrupt you for a second, but I don't have the share window option on the Media Layers.

JONATHAN ZUCK: Are you sure?

ALFREDO CALDERON: Yes. I don't have the browser option, either. I have a PowerPoint open. I have an image file, and I have a [inaudible] file. And I don't have those options. I do have the other ones.

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JONATHAN ZUCK: I wonder if that's the difference with the—oh yeah. I see it's not here .

ALFREDO CALDERON: It only says "shares"—[what was the]—

JONATHAN ZUCK: Oh, so here's what you've got to do. I just opened it. If you do Share Screen inside of that, you'll see a choice between your entire screen or an application window.

ALFREDO CALDERON: Okay. Yes, I see that. But the—

JONATHAN ZUCK: And that will allow you to then just share a window.

ALFREDO CALDERON: Oh, okay. Yes.

JONATHAN ZUCK: Make sense?

ALFREDO CALDERON: Yes. I see it now. Okay, thanks.

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MARITA MOLL: Jonathan, when I click the Media Layers, it doesn't give me things like PowerPoint Presentation. How do you get that in there?

JONATHAN ZUCK: So, PowerPoint isn't natively one of the layers, so what you would do is run PowerPoint—

MARITA MOLL: Okay, I've got it running.

JONATHAN ZUCK: And are you running your slides?

MARITA MOLL: Well, they're open. I don't know how to get them into the Media Layers.

JONATHAN ZUCK: So, let me show you something else then, too. I'm going to stop Share and I'm going to stop my PowerPoint. If I share a screen in Zoom here and choose PowerPoint for my share—can you see my PowerPoints now, Marita?

MARITA MOLL: Yes.

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JONATHAN ZUCK: So, what you'll see is that under Slideshow—normally you're looking at them like this, but under Slideshow there's something that says "Set Up Slideshow"—

MARITA MOLL: [Sure].

JONATHAN ZUCK: Right there.

MARITA MOLL: [Got it].

JONATHAN ZUCK: If you choose that and you choose this radio button here under Show Type: Browsed by an individual, that will allow you to show your presentation in a window instead of taking up your whole screen.

MARITA MOLL: Oh, I see.

JONATHAN ZUCK: So, once I've done that, now when I click Present down here at the bottom you'll see that it's just a window that's showing so that if I come back out to Zoom—I'm going to stop my Share and share my desktop. Let's see how this works. Sometimes this leads to infinity cameras.

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You can see on my desktop here, the PowerPoint right here is just in a window. It's not taking up an entire screen, which is the best way to do a Share as part of Zoom or SplitCam. So, when it's just a window like this, then I can go into my scene here. I'm going to delete this scene and just create a new one. So, if I create this Scene 6 and I add a layer—I'm going to say Share Window, and then PowerPoint Slideshow as one of my windows and I add it. Now that should be what's coming over my camera feed—just that window. And it didn't have to take over my whole screen to do it. Does that make sense?

MARITA MOLL: Sort of. I'll have to practice it because I haven't actually got PowerPoint. [inaudible].

JONATHAN ZUCK: Well, the same thing applies. If you can run your presentation in a window—which you can do in Keynote or Google Slides—then you would just share that window from SplitCam or from Zoom. [inaudible] Zoom.

MARITA MOLL: I'm trying it.

JONATHAN ZUCK: No problem. That's what we're here for—for people to try it.

Let me see if I can see if there's something else happening in the chat.

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HANAN KHATIB: Jonathan, hi. Could you please show me again the PowerPoint how to [be] share the window? And could I open the PowerPoint? I could not [inaudible] option where—[inaudible]

JONATHAN ZUCK: It took over the whole screen—is that what you're talking about?

[HANAN KHATIB]: Yes.

JONATHAN ZUCK: Okay. I'm going to stop sharing my desktop. I'm going to share PowerPoint in Zoom. So, this is window that has PowerPoint in it that I'm sharing. If I end the presentation by hitting escape—so that's your normal interface for PowerPoint, right? If you go to—

[HANAN KHATIB]: How did you share it? You showed an option with two buttons?

JONATHAN ZUCK: Right. So, if you go to Slideshow. Do you see across the top here an option for Slideshow?

[HANAN KHATIB]: Yes, okay.



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JONATHAN ZUCK: Then I go to Set Up Slideshow right here.

[HANAN KHATIB]: [inaudible]

JONATHAN ZUCK: See that?

[HANAN KHATIB]: Yes.

JONATHAN ZUCK: And then under Show Type, you have Presented by a speaker which is full screen or Browsed by an individual which is just in a window.

[HANAN KHATIB]: Yes. Okay, thank you.

JONATHAN ZUCK: If you choose that, then when you choose to run your slides, they'll run just in a little window.

[HANAN KHATIB]: Yes. Okay, thank you. I'm learning the [inaudible] SplitCam, but I don't know how to share my screen view. I see all options and I added the

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Media Player and some screens, let's say. But I don't know how to [share it or how to check the view].

JONATHAN ZUCK: Yes. So, while SplitCam is running, it's pretending to be one of your cameras. It's pretending to be a camera. So, if you go into Zoom and—do you see where the button is to start and stop the video?

[HANAN KHATIB]: Okay.

JONATHAN ZUCK: There's an arrow next to it.

[HANAN KHATIB]: Yes. Oh, yeah.

JONATHAN ZUCK: If you click that arrow, one of the choices of cameras is SplitCam Video Driver.

[HANAN KHATIB]: Yes. That's right. Okay.

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JONATHAN ZUCK: So, if you choose that as your camera in Zoom, then what we will see come across in Zoom is whatever scene you've selected in SplitCam.

[HANAN KHATIB]: Yes, okay. Let's see. Let me see.

GOPAL TADEPALLI: Jonathan, suppose the organizer of the Zoom meetings does not allow share screen and I wish to share screen [inaudible] that my choice override the organizer's choice?

JONATHAN ZUCK: It doesn't override the organizer's choice, but you don't need to share your screen to do this. Remember, what you're doing is changing your video feed, so they have to allow you to have your camera on. If they don't allow you to have your camera or share your screen, then none of this will work. But then you're not giving a presentation anyway, right?

GOPAL TADEPALLI: Okay.

JONATHAN ZUCK: You can either share the preview window of SplitCam if you're using software that doesn't support virtual cameras or you're choosing SplitCam as your camera in Zoom. And then instead of people just seeing your web cam feed over Zoom, they're seeing what you're doing in SplitCam instead. Does that make sense?

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GOPAL TADEPALLI: Yes. [inaudible]

JONATHAN ZUCK: They don't need to allow you to share your screen. Like right now, we're looking at Olivier's camera feed and Marita's camera feed, and you can see that they have video and pictures and things like that in their camera feeds. That's what you're doing. They're not sharing their screen; they're just affecting the video feeds.

GOPAL TADEPALLI: And this Go Live means what? It goes onto the Zoom?

JONATHAN ZUCK: No, you don't ever need to hit Go Live to do this. Just create scenes and then you go over in Zoom and you'll see that those scenes are showing up as your camera feed if you choose SplitCam Virtual Video Driver as your camera.

GOPAL TADEPALLI: Right. VGA web cam driver property [inaudible] I understand. Thanks. Thank you so much.

JONATHAN ZUCK: Yeah, no problem. So, one of the features of the software is to pretend to be a web camera. That's just one of its features—to pretend to be a web cam. And then it just allows you to have a more sophisticated control over what's going over your camera feed.

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It has other features as well which allow you to do streaming directly to streaming services like YouTube or Facebook or LinkedIn, and that's what the Go Live button is for. For these purposes, you don't need any of that.

There's also the ability to record a video from this, so if you want to create a sequence of scenes and create a presentation, you can hit Record and it will record it to video as you give the presentation in SplitCam and you can distribute the video as well. So, there's lots of other things to explore in SplitCam, but for this purpose all you need to do is just use the software and it will automatically make whatever you're doing available as a web cam.

Does that make sense?

MARITA MOLL:

Jonathan, we're running out of time here. I just have one more question. I managed to get something up there for Scene 2, but for Scene 3 it didn't give me any choices. I couldn't add another media feed there. I just can't see [inaudible] and I can't add any media layers. Wherever that little plus sign for Media Layers was, it is gone.

JONATHAN ZUCK:

That's strange. Are you on Windows or Mac?

MARITA MOLL:

Windows.

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JONATHAN ZUCK: I don't know if we can keep going or not. Yeşim, can you give Marita the ability to share her screen? Yeşim?

That's what I was figuring we would do. We would trade off sharing screens and then you would be able to show me what you were doing.

MARITA MOLL: Well, maybe we'll have a version two of this.

JONATHAN ZUCK: I'm happy to have a version two of it, for sure.

MARITA MOLL: It would be very cool if you knew how to use it. It would be very useful. I agree.

JONATHAN ZUCK: Yes. Yeşim, I'm not hearing you anymore.

YEŞİM NAZLAR: Sorry, Jonathan. The door just rang. I had to step away [inaudible]. How may I help? What did I miss?

JONATHAN ZUCK: Is it possible to give Marita permission to share her screen?

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YEŞİM NAZLAR: One second please. I will give her co-host rights. Okay.

JONATHAN ZUCK: Don't go crazy with those co-host rights, Marita.

MARITA MOLL: All right. I'll try not to.

JONATHAN ZUCK: Okay, so now if you go into Zoom and do Share Screen and then choose SplitCam as the screen you want to share.

MARITA MOLL: Yes. Okay, I got it. Share screen.

JONATHAN ZUCK: Do you have SplitCam running on your desktop or is it minimized?

MARITA MOLL: It's running.

JONATHAN ZUCK: [inaudible]

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MARITA MOLL: Let's not waste everyone's time. This requires some practice, and I'll work on it.

JONATHAN ZUCK: Okay.

MARITA MOLL: It's cool.

JONATHAN ZUCK: Okay. But this is what we were planning to do is to let people share their screens.

Olivier, you had a question in the meantime?

OLIVIER CRÉPIN-LEBLOND: Yes. Thanks so much, Jonathan. Just a question on the sharing of things. So, when you share your screen on Zoom and you share a video, you can click a little box which says Share Sound, too. But if you actually do it via this software and you play a video, will that play the sound as well, or will it not play the sound?

JONATHAN ZUCK: So, it won't by default, but you can add System Sound to your scene. One of your options for what you can add to your scene is System Sound. But then you will also want to change your microphone Zoom in addition to your camera. So, you'll notice that next to your microphone



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Mute and Unmute, you also have a little arrow that lets you choose your microphone. And SplitCam—I think it's called SplitCam Audio Mixer—is one of your available microphones. You'll want to make that the microphone for Zoom and then that will all work. Does that make sense?

OLIVIER CRÉPIN-LEBLOND: Okay. Yes, that makes sense. That's great. Thank you.

JONATHAN ZUCK: Okay, so Marita, you're not showing your second column right now. In the middle, next to the words Scene 2, do you see a little white arrow?

MARITA MOLL: That's right. Scene 2 [inaudible].

JONATHAN ZUCK: [So, push on that].

MARITA MOLL: Yes.

JONATHAN ZUCK: So, now you see your Media Layers. If you now go up to the top, there's that plus.

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MARITA MOLL: Oh, right. Okay. Yes! But I can't do it for Scene 3. That's how I got the Scene 2—like a [Word thing]. But I am trying to repeat that on Scene 3 and it won't do anything. It says Audio [Mix]. [inaudible].

JONATHAN ZUCK: And when you click the plus sign on Media Layers it doesn't do anything?

MARITA MOLL: But that Media Layers is for Scene 2, right? [inaudible]

JONATHAN ZUCK: No, it's not. So, don't keep [clicking] that white arrow because that's what's making this disappear. So, click the white arrow. But now go all the way up to the plus. If you click plus there, now you're adding things to Scene 3.

MARITA MOLL: Oh, I see. I thought you were changing Scene 2.

JONATHAN ZUCK: Each scene is separate. Each scene has it's own set of Medica Layers. So, you click on the scene first and then you can change the layers for that scene.

MARITA MOLL: Okay, great. Thank you.

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JONATHAN ZUCK: No problem.

OLIVIER CRÉPIN-LEBLOND: Jonathan, let's say you just go one view—so you set three scenes. One scene is just you talking to the camera. Second scene is a PowerPoint presentation. Third scene is a mix between the PowerPoint presentation and you speaking to the camera. And I guess you can then flip between one scene and another seamlessly while you're talking.

JONATHAN ZUCK: That's right. You can either click on the scene or you can do Ctrl+1, Ctrl+2, Ctrl+3, like that.

OLIVIER CRÉPIN-LEBLOND: Excellent.

JONATHAN ZUCK: Something that's become very popular in streaming circles—streaming, I think, had its origins in gaming, and so a lot of this software got created initially for games. And it's now becoming popular for everyone because everybody is streaming—church services and teachers and things like that.

So, one of the pieces of hardware that a lot of people are using is something called a stream deck that looks like this. It's basically like a little box that you can assign macros to. You can, for example, send the Ctrl+1 or the Ctrl+2 or the Ctrl+3 to SplitCam in order to make those

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changes happen from a little hardware switcher on your desk if you don't want to do the hotkeys on your keyboard. So, there are lots of different options for how you manage your scenes once you have them created.

Are we overtime? Are okay on time? Yeşim, Is this 90 or 60?

YEŞİM NAZLAR:

It was a 60-minute call, Jonathan, [and I] [inaudible] asked for a 10-minute extension which his over as well. I was just trying to [actually] let you know.

JONATHAN ZUCK:

All right, no problem. I will let this end then. I'm happy to take questions in email or Skype or whatever as you're playing with this. I'm really excited about you all using this technology in your presentation. So, please feel free to ask questions. You'll see on the SplitCam page the Skype address for the SplitCam folks. They're very responsive, so if you're having problems you can reach out to them directly. Or if you email me a problem, I'll forward it on to them as well. I told them that I was going to be bringing a bunch of people up online on this, so they should be prepared.

MARITA MOLL:

So, we'd better get up to speed, right? Otherwise, they're going to be after you.

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JONATHAN ZUCK: Yeah, exactly.

[HANAN KHATIB]: Jonathan, I have a question.

JONATHAN ZUCK: Yes.

[HANAN KHATIB]: How can I download it to mobile because I was trying to download it to my mobile and I couldn't. Mine is an iPhone. [inaudible]

JONATHAN ZUCK: There's no version of SplitCam at this time for mobile devices. Okay. Now, ManyCam, which is the commercial software that I pointed you to at the beginning, does have a mobile version as well. But SplitCam does not at this point.

[HANAN KHATIB]: Okay. Thank you very much for the information [inaudible]. I like this.

JONATHAN ZUCK: All right, great.

MARITA MOLL: Thanks, Jonathan.

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JONATHAN ZUCK: Excellent, thank you. I guess Yeşim wants to run her survey, so I'll pass the microphone back to Yeşim.

YEŞİM NAZLAR: Thanks so much, Jonathan. So, as you know we have the survey questions as usual. So, let's start with the first question.

How was the timing of the webinar? Which is 13:00 UTC. Is it too early, just right, or too late?

Not sure, by the way, if anyone is able to see the questions but I'm not receiving any responses yet.

CHERYL LANGDON-ORR: Give us time. You've got to fill them all in before we get to the [inaudible], remember. Otherwise, it all goes to hell in handbasket again.

YEŞİM NAZLAR: [inaudible]. Sorry.

CHERYL LANGDON-ORR: If you want to read through all the questions, then you'll see something. Sure.

YEŞİM NAZLAR: Second question is, how was the technology used for the webinar? Very good, good, sufficient, bad, or very bad?

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And moving on to our third question. Did the speaker demonstrate mastery of the topic? Extremely strong, strong, sufficient, weak, or extremely weak?

OLIVIER CRÉPIN-LEBLOND: Be nice.

CHERYL LANGDON-ORR: [inaudible] too late. I hit Submit.

YEŞİM NAZLAR: Our fourth question is, are you satisfied with the webinar? Extremely satisfied, satisfied, moderately satisfied, lightly satisfied, or not satisfied at all?

Quickly moving on to the fifth one. What region do you live in at the moment? Africa, Asia, Australia, Pacific Islands, Europe, Latin American and the Caribbean Islands, or is it North America?

Here is our last question. How many years of experience do you have in the ICANN community? Less than 1, 1-3, 3-5, 5-10, or is it more than 10 years?

Okay, so I'm seeing that some people have already voted. Thank you all very much for the results. I think I can just had the floor back to you, Jonathan, to say the final words.

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JONATHAN ZUCK:

Oh, thank. Final words. Thanks, everyone, for participating. I know it's a lot to absorb all at once, and Sébastien was probably right that I went through it too quickly at the beginning—the overview of what was possible. I hope that you found your way there. Just play around with it and get used to it, and ask me any questions if you have them as you're going alone. Thanks a lot for trying something new.

YEŞİM NAZLAR:

Thank you, all. This meeting is now adjourned. Have a great rest of the day.

**[END OF TRANSCRIPTION]**