

In the Matter Of:

Juniper Networks, Inc. v

Monarch Networking Solutions LLC

RONALD BONICA

October 24, 2024



UNITED STATES PATENT AND TRADEMARK OFFICE

* * *

BEFORE THE PATENT TRIAL AND APPEAL BOARD

* * *

JUNIPER NETWORKS, INC.,
Petitioner,

v.

MONARCH NETWORKING SOLUTIONS LLC,
Patent Owner.

* * *

Case IPR2024-00485

Patent 8,451,844

* * *

VIDEOCONFERENCED AND VIDEO-RECORDED DEPOSITION OF

RONALD P. BONICA

Redwood Falls, California

Thursday, October 24, 2024

1:05 p.m.

Pursuant to notice, pursuant to the

Code of Federal Regulations and

Federal Rules of Civil Procedure,

before April L. Crites, RMR, CRR, CSR, CCR,

and California Certified Shorthand Reporter,

CSR No. 14493.

* * *

Page 2				Page 4			
1	I N D E X			1	VIDEO TECHNICIAN: We are now on the		
2	EXAMINATIONS CONDUCTED			2	record. I am Darrel Exline. I am the Zoom		
3	RONALD P. BONICA	PAGE		3	monitor representing Lexitas.		
4	Cross-Examination by Mr. Collier....	5		4	This is a deposition for the United States		
5				5	Patent and Trademark Office before the Patent		
6				6	Trial and Appeal Board. Today's date is		
7	INDEX TO EXHIBITS			7	October 24, 2024, and the time is 1:05 p.m.		
8	MARKED	DESCRIPTION	PAGE	8	Eastern time.		
9	Exhibit 1008	Declaration of Ron Bonica	9	9	This deposition is being held remotely in		
10		in Support of Petition For		10	the matter of Juniper Networks, Inc. v. Monarch		
11	Exhibit 1046	Inter Partes Review of		11	Networking Solutions, LLC, case number		
12		U.S. Patent No. 8,451,844		12	IPR-2024-0485, regarding patent 8,451,844.		
13		E-mail chain, re: [NGO]	24	13	The deponent is Ron Bonica.		
14		NETCONF over TLS document		14	Would all counsel please identify		
15		(Proposed Re-charting of		15	themselves?		
16		NETCONF WG)		16	MR. COLLIER: This is Wills Collier of the		
17	Exhibit 1055	E-mail chain re: [P2PSIP	18	17	firm Heim Payne & Chorush for the patent owner,		
18		New Version Notification		18	Monarch Networking Solutions.		
19		for		19	MR. BRIGGS: Good afternoon. This is Todd		
20		draft-jiang-p2psip-sep-01		20	Briggs, and with me is Chris Sabbagh. We are from		
21	Exhibit 1056	IETF I-D Tracker	33	21	the law firm of Quinn Emanuel, and we are		
22				22	representing the witness, Mr. Bonica, and Juniper		
23				23	Networks.		
24				24	THE VIDEOGRAPHER: The court reporter is		
25				25	April Crites, and will now swear in the witness.		
Page 3				Page 5			
1	APPEARANCES:			1	Oh, already did that.		
2	ON BEHALF OF THE PETITIONER, JUNIPER			2	MR. COLLIER: Thank you, Darrel.		
3	NETWORKS, INC.:			3	RONALD P. BONICA		
4	QUINN EMANUEL URQUHART & SULLIVAN, LLP			4	of lawful age, Witness herein, having been		
5	By: Todd M. Briggs, Esq.			5	previously duly cautioned and sworn, as		
6	Christopher Sabbagh, Esq.			6	hereinafter certified, was examined and said as		
7	555 Twin Dolphin Drive			7	follows:		
8	Fifth Floor			8	CROSS-EXAMINATION		
9	Redwood Shores, California 94065			9	BY MR. COLLIER:		
10	650-801-5000			10	Q Good morning, Mr. Bonica.		
11	toddbriggs@quinnemanuel.com			11	As you just heard, my name is Wills		
12	chrissabbagh@quinnemanuel.com			12	Collier, and I'm counsel for Monarch Networking		
13	ON BEHALF OF THE PATENT OWNER, MONARCH			13	Solutions in this IPR, and I'll be taking your		
14	NETWORKING SOLUTIONS, LLC:			14	deposition today?		
15	HEIM PAYNE & CHORUSH, LLP			15	Could you state your full name for the		
16	By: William B. Collier, Jr., Esq.			16	record, please?		
17	609 Main Street			17	A Ronald P. Bonica.		
18	Suite 3200			18	Q Have you ever been deposed before,		
19	Houston, Texas 77002			19	Mr. Bonica.		
20	713-221-2000			20	A I'm sorry. I missed a word. Have I		
21	wcollier@hpccllp.com			21	ever --		
22	ALSO PRESENT:			22	Q Have you ever had your deposition taken		
23	Darrel, Lexitas Videographer			23	before?		
24				24	A No. First time.		
25				25	Q All right. I'm going to just go over a		

Page 6	Page 8
1 few quick ground rules, and if you have any 2 questions about them, let me know, and I'll 3 clarify. 4 So first is, if I ask you a question about 5 something and you don't understand the question, 6 will you ask me to clarify my question? 7 A Okay. 8 Q And if you don't ask me to clarify a 9 question, is it fair to assume that you understood 10 my question? 11 A Yes. 12 Q So we're doing this deposition over Zoom, 13 so please make sure that you provide verbal 14 answers to my questions so that the court reporter 15 can transcribe them. 16 Is there anything, for example, medication 17 or illness, that would prevent you from testifying 18 accurately and honestly today? 19 A Nothing that would prevent me from 20 testifying accurately and honestly. There are 21 some illnesses going on, but not -- 22 Q So as long as they don't affect your 23 honesty, I think we're okay. 24 A Okay. No, no, no. No psychoactive 25 medication. Nothing like that.	1 A It will be 20 years in about two weeks. 2 Q What's your current role at Juniper? 3 A I'm a distinguished engineer. 4 Q What does that mean, a distinguished 5 engineer? 6 A It means that we're experienced enough and 7 we've been around long enough and we know the 8 industry well enough that executives sometimes 9 take our advice. At the very worst, it means I'm 10 old. 11 Q How long have you been a distinguished 12 engineer? 13 A Oh, let me think about this. I wasn't a 14 DE when I hired on 20 years ago. It was around 15 2011 when I was promoted. So 13 years maybe, 16 maybe 12, maybe 14. I forget the date. 17 Q Do you remember what your role was before 18 you became a distinguished engineer? 19 A Yes. I was a senior engineer. That's 20 kind of the promotion ladder. 21 Q And did you have any role at Juniper 22 before being a senior engineer? 23 A Oh, I hired in -- I forget if I hired in 24 20 years ago as a senior engineer at level 1 or 25 just an engineer level 2. I might have been an
Page 7	Page 9
1 Q Good. I don't expect to go very long 2 today, but if you do need a break, let me know, 3 and we can take one as long as there's not a 4 pending question. 5 Do you understand that you are here today 6 to testify under oath? 7 A Yes. 8 Q And do you understand that your testimony 9 may be used during this IPR? 10 A Yes. 11 Q Did you do anything to prepare to testify 12 today? 13 A I did meet with counsel yesterday. 14 Q Other than meeting with counsel, did you 15 do anything to prepare? 16 A No. 17 Q How long did you meet with your counsel 18 yesterday? 19 A A couple hours. 20 Q And other than counsel, have you spoken to 21 anyone else regarding your deposition today? 22 A No. 23 Q Where do you work, Mr. Bonica? 24 A Juniper Networks. 25 Q How long have you worked for Juniper?	1 engineer level 2 when I hired in. It's been a 2 long time. It's been a long time since I've 3 looked at my promotion history. 4 Q Fair enough. 5 Is -- is any part of your compensation at 6 Juniper contingent on your testimony in this 7 deposition today? 8 A No. 9 Q Was any part of your compensation at 10 Juniper contingent on the declaration you signed 11 for this case? 12 A No. 13 MR. COLLIER: Darrel, can we bring up 14 Exhibit 1008? 15 (Deposition Exhibit 1008, Declaration of 16 Ron Bonica in Support of Petition For Inter Partes 17 Review of U.S. Patent No. 8,451,844, having been 18 previously marked, was presented for purposes of 19 identification.) 20 MR. COLLIER: And we can show the -- show 21 the first page, and then scroll just to the top of 22 the second one. 23 BY MR. COLLIER: 24 Q Mr. Bonica, do you recognize this 25 document?

Page 10	Page 12
1 A Yes. 2 Q This is the declaration you signed in 3 this -- for this IPR, correct? 4 A Yes. 5 MR. COLLIER: If we scroll to page -- 6 sorry -- page 9, please. Scroll down a little 7 bit. 8 BY MR. COLLIER: 9 Q You signed this declaration in January 10 23rd of this year, correct? 11 A Yes. 12 Q Did someone representing Juniper ask you 13 to sign this declaration? 14 MR. BRIGGS: You can go ahead and answer 15 that, but it will get into attorney communications 16 beyond the answer to that. 17 THE WITNESS: Yeah. It was my declaration 18 and it was reviewed by counsel before. 19 BY MR. COLLIER: 20 Q Have you ever signed any other 21 declarations at the request of Juniper or someone 22 representing Juniper? 23 A No. 24 MR. COLLIER: Okay. We can bring this -- 25 close this exhibit out.	1 The way an RFC becomes an RFC is somebody 2 writes an Internet-Draft. It's widely, widely 3 reviewed by anybody who participates in the IETF, 4 who has some expertise in that area. 5 Typically, it takes a year, maybe two, to 6 go from first submission to being an RFC. In the 7 worst cases -- I think I had one that took eight 8 years to go from first submission to RFC. 9 So an Internet-Draft is something that's 10 likely to change before it becomes a standard, and 11 it carries no weight at all until it becomes a 12 standard. The only way it can be referenced is as 13 a work in progress. 14 Q So -- 15 A And -- I'm sorry. 16 Q Sorry. Please continue. No, no. Please 17 continue. 18 A There are two levels of Internet-Drafts. 19 You can tell what level a draft is at by looking 20 at its name. A draft that has just been submitted 21 but hasn't been adopted by a working group 22 generally has a file name draft, someone's name, 23 the working group that you hope adopts it, and 24 something else that's mnemonic. Once it's 25 adopted, the name changes to draft, IETF, the
Page 11	Page 13
1 BY MR. COLLIER: 2 Q Are you currently a member of the IETF? 3 A Well, there was no such thing as a member 4 of the IETF. There's no membership due -- dues. 5 There's no roster of members. Anyone can 6 participate. You know, all 8 billion humans are 7 welcome to participate. 8 Now, I am an active participant. The IETF 9 is meeting in two, three weeks in Dublin. I will 10 have four papers to present there, and I will 11 chair a working group. 12 Q How long have you participated in IETF? 13 A I went to my first meeting -- I think it 14 was 1995 or '96. I published my first 15 Internet-Draft, I think, at 1999, got my first RFC 16 in the early 2000s. So, you know, very active, 17 heavy participation since 1999; a little 18 participation since 1995. 19 Q So you mentioned an Internet-Draft. What 20 is an Internet-Draft? 21 A Okay. We have to explain it a little bit 22 backwards. There are a group of rules that govern 23 how computers on the Internet will interact with 24 each other. These are called RFCs, or requests 25 for comment.	1 working group that adopted it, and the mnemonic. 2 So if you look at my current drafts, some 3 of them are draft, Bonica, something or other. 4 Some of them are draft, IETF, something or other. 5 The ones that have IETF in the name have been 6 adopted by a working group and are on there -- you 7 know, there's no guarantee that they'll become a 8 RFC but they've at least made the first step. 9 Q So starting at the beginning of this 10 process, you first submit a draft document of some 11 sort, right? 12 A Yes. Anyone can do that. 13 Q How do you submit a draft? 14 A Well, there are two ways it can be done. 15 Most commonly, these days, there's a thing called 16 the Datatracker submission tool. You go to this 17 website. You point at your draft. You give it 18 the information it wants, press submit, and in it 19 goes. Back in the old days, before that website 20 existed, you could e-mail your draft to the draft 21 editor. 22 I don't think anybody does that anymore, 23 but there was a time in the early 2000s when some 24 people e-mailed and some used the submission tool. 25 Q When did the Datatracker submission tool

Page 14	Page 16
1 come about? 2 A Oh, that's difficult to remember. I 3 remember Jari Arkko pointing me to first versions 4 of the Datatracker, but I'm having a hard time 5 remember what -- remembering what year that was. 6 Maybe -- 7 Q Sorry. We're getting some feedback. I 8 don't know. Maybe -- 9 THE WITNESS: Anybody else has -- 10 MR. BRIGGS: I could hear the feedback 11 start about a minute ago, but I didn't change 12 anything on my computer. 13 THE WITNESS: Yeah. 14 MR. BRIGGS: And so I'm not sure what the 15 source of it might be. 16 THE WITNESS: I could hear it with a 17 delay, which means it's probably coming from your 18 end. 19 MR. COLLIER: Okay. I'll be careful to 20 mute my computer when I'm not talking. 21 BY MR. COLLIER: 22 Q So, sorry, let me -- let me just ask my 23 last question again if that's okay. 24 When did the Datatracker submission tool 25 come into existence?	1 2007. I forget the date. 2 Q So when you would use the Datatracker to 3 submit a document, you said it would create a 4 document that had sort of a specific file name, 5 right? 6 A Okay. It looks in the text of the 7 document, and the file name -- it'll pick out the 8 file name from inside the text. Actually, it will 9 also be the file name of the document you submit, 10 and it will make sure that the document abides by 11 the rules. 12 For instance, if I tried to submit 13 something called draft-IETF-6man or something, and 14 the chairs haven't said that they've adopted that 15 draft yet, it would bounce back at me. But if I 16 submitted something draft-bonica-6man, whatever, 17 it would gladly take it. 18 Now, there are other rules that it gets 19 fussy about, like the last two characters have to 20 be a version number, and if this is the first 21 submission of that draft, they better be 00. 22 So there are a bunch of reasons why the 23 Datatracker will bounce something back at you, the 24 submission tool will bounce something back at you: 25 If the file name is invalid, if the version number
Page 15	Page 17
1 A I am -- I'm having a hard time 2 remembering. It was maybe 16, 17 years ago. I 3 remember Jari Arkko showing me it the first time, 4 but I can't remember what year that was to save my 5 life. 6 Q Do you think it was before 2005? 7 A It might have been around 2005, 2006, 8 2007. It was definitely more than 15 years ago. 9 Q What about -- was it -- do you think it 10 was before 2008? 11 A Yes. I'm sure of that. 12 Q Why are you sure? 13 A I am sure because if you look at -- there 14 was some services that captured screens, and 15 they'll tell you when they captured them. You'll 16 see a capture of the Datatracker going back to, 17 like, 2006, maybe. 18 Q And you're referring to one of the 19 documents that was exhibit -- referenced in your 20 declaration? 21 A No, no, no. Just the Datatracker itself. 22 You know -- 23 Q I see. 24 A Yeah. I know that it was around before 25 the draft we're talking about. Maybe 2006. Maybe	1 is invalid. 2 Let's see. Why else have I had drafts 3 bounce back at me in the past? Oh. There is some 4 fields that must be there, inside the document, 5 and if they're not, the Datatracker will bounce it 6 back at you. 7 Q Is it fair to say that IETF -- IETF sets 8 some pretty specific rules for document formatting 9 and naming requirements if you were to submit a 10 document to the Datatracker? 11 A Yes. In fact, they are published on the 12 IETF Web page under instructions to authors. 13 Q So when you had submitted documents in the 14 past, successfully submitted documents, did you 15 receive any sort of confirmation e-mail from the 16 IETF? 17 A It depends on when. The process changed 18 early this year. In the old day -- 19 Q Sorry. Let's -- yeah, let's talk about 20 2008 and earlier. 21 A Okay. Before this -- this year, and going 22 back pretty far, you'd submit a draft. They would 23 say, Thank you for submitting the draft, and do 24 one of two things: Bounce it back immediately or 25 tell you, You're about to receive a link -- an

Page 18	Page 20
1 e-mail with a link in it. If you respond to this 2 link, we will know that you are who you claim to 3 be, and we will post the draft. 4 Once they post the draft, they will send 5 another e-mail, at least, to all the authors, 6 saying, This draft has been posted, and it will 7 have the link -- a link to where the draft is 8 residing. 9 Q Got it. 10 What do you mean by "post the draft"? 11 A Okay. When the draft has been posted -- I 12 guess the definition of the draft being posted is 13 the IETF has sent that e-mail to all the authors, 14 saying, The draft is posted. This is the URL that 15 it's at. 16 MR. COLLIER: I tried to just mark Exhibit 17 1055, so if you could bring that one up. 18 VIDEO TECHNICIAN: I have access to the 19 source folder now, so I can bring it up that way. 20 MR. COLLIER: Okay. That'd be perfect. 21 (Deposition Exhibit 1055, E-mail chain re: 22 [P2PSIP New Version Notification for 23 draft-jiang-p2psip-sep-01, having been previously 24 marked, was presented for purposes of 25 identification.)	1 list. Every time they posted something, they 2 would send this kind of message to 3 Internet-Drafts, and whoever subscribed to 4 Internet-Drafts would see this. 5 Now, at any given time, lots of people are 6 subscribed to Internet-Drafts, and typically, what 7 you'll do is scan the e-mail, take a look at this 8 one. And it has something to do with session 9 initiation protocol, you know, telephone over IP, 10 and this was the early days of telephone over IP. 11 So if you cared about that sort of thing, 12 you might read this. You'd start by reading the 13 abstract that's down here and decide if you care 14 about it. And if you care, you read it. If you 15 don't care, you move on to the next one. The 16 IETF -- oh, sorry. 17 Q Keep going. No. Keep going. 18 A The IETF has 121 working groups. Most 19 people are expert in a dozen, maybe two dozen if 20 they've been around a while. 21 So you'd scan it, and if you were somebody 22 who was expert in SIP or cared about SIP, you'd 23 take a look at this one. 24 Q This first line of text -- well, the 25 header in the e-mail says, Manual Posting
Page 19	Page 21
1 BY MR. COLLIER: 2 Q Mr. Bonica, this is Exhibit 1055 that I 3 think you cited at various points in your 4 declaration. 5 Do you remember looking at this document? 6 A I do remember the e-mail. I couldn't -- I 7 couldn't tell you what the document is about off 8 the top of my head. It's been a lot of years. 9 MR. COLLIER: Could you -- could we scroll 10 down to the bottom of that first page? 11 BY MR. COLLIER: 12 Q Is this an e-mail from the IETF reflecting 13 that the draft document has been posted? 14 A It is from the IETF. I can tell because, 15 if you scroll up, you'll see it is from IETF I-D 16 Submission Tool at IETF.org. What comes after 17 that the @ sign tells you who the sender was. For 18 instance, if you got an e-mail from me, it would 19 be @juniper.net, or if it was from my home, it 20 would be from @Bonica.org. 21 Q Presumably, you didn't receive this first 22 e-mail? 23 A Let's see. Who was it sent to? Oh, to 24 Internet-Drafts. Okay. Internet-Drafts is -- 25 used to be -- I think it still is an IETF mailing	1 Requested for following Internet-Draft. 2 Do you see that? 3 A Yeah. 4 Q What does that mean, manual posting 5 requested? 6 A I believe what that means is the fellow 7 e-mailed his draft in. He didn't use the 8 Datatracker. Now, I'm not sure, because -- 9 actually, in the very beginning, I used to do 10 that, too. Like, in the 19 -- 1999 until, you 11 know, 2005. But I -- I don't remember whether the 12 e-mails I got had this line or not. 13 When they say manual posting, that 14 generally means you e-mailed it to us, and we 15 posted it for you; we, the IETF, posted it for 16 you. Automatic postings. You did it using the 17 submission tool. 18 Q So the -- the next line under there says, 19 I-D Submission Tool URL, and then -- 20 A Yes. 21 Q -- it has a URL that is -- begins with 22 datatracker.ietf.org. 23 Do you see that? 24 Sorry. Was that a yes? 25 A Yes, yes.

Page 22	Page 24
1 Q What -- 2 A What's important here is -- oh, go ahead. 3 Q I was going to ask, is that -- is that the 4 link to this submission within the Datatracker 5 website? 6 A Okay. If you click on that, I'm not quite 7 sure what you'll see, but if you drop down to 8 where it says, Staging URL, and you'll see 9 www3.ietf.org/proceedings/staging/draft-jiang-p2 10 psip, 016789, that's where you will definitely 11 find the draft. 12 I think, and I don't really remember, but 13 I think what it says under ID submission tool URL, 14 that will get you to the submission tool and give 15 you a pointer to the other URL that is the staging 16 URL. 17 But here, I really don't remember what 18 you'd get on that one; either a pointer to the 19 draft or the draft itself. 20 Q But the second URL, the ww3.ietf.org URL, 21 will lead you to the document? 22 A Yes, that definitely will, whereas the 23 first one, I think it just leads you to a pointer 24 to the document, and you have to click on 25 something else to get to the document.	1 MR. COLLIER: Let's go to Exhibit 1046, 2 please. 3 (Deposition Exhibit 1046, E-mail chain, 4 re: [NGO] NETCONF over TLS document (Proposed 5 Re-charting of NETCONF WG), having been previously 6 marked, was presented for purposes of 7 identification.) 8 THE WITNESS: Okay. 9 BY MR. COLLIER: 10 Q Do you recall seeing this document, 11 Mr. Bonica? 12 A Oh, a million documents -- e-mails like 13 this come out -- well, not literally a million. 14 Many, many of these come out every day. This is 15 from -- 16 Q Let me -- let me rephrase it this way: Do 17 you remember looking at this document while 18 preparing your declaration? 19 A Yes, yes. I -- I certainly didn't look at 20 it in 2007. 21 Q So the main thing I want to look at here 22 is this, in this first e-mail, this top e-mail, 23 you see -- you see the link on the fourth line of 24 text? 25 A Http://www3.ietf.org/proceedings/staging/
Page 23	Page 25
1 MR. COLLIER: Let's bring up Exhibit 1046, 2 please. 3 THE WITNESS: Actually, could we go back 4 just a second? 5 BY MR. COLLIER: 6 Q Sure. We'll bring that document back up. 7 That's 1055. 8 A Okay. I want to make sure what I just 9 told -- oh, down a little bit. Scroll down. 10 Down. I'm sorry. Up, up, up. 11 Okay. I want to make sure what I just 12 told you was true. 13 Q Okay. 14 A And that's about who it was sent to -- oh, 15 down a little bit. It's the forwarded message. 16 Oh, you can't see where I'm pointing. Okay. This 17 one. 18 I want to make sure what I told you was 19 true about who sent it and who received it. It 20 was from idsubmission@ietf.org, so it was from the 21 IETF and the people who take care of submissions, 22 and it was to a mailing list called the 23 Internet-Drafts that IETF maintains, and anybody 24 on the planet can join this mailing list. 25 Q Okay.	1 Q Yes. 2 THE COURT REPORTER: Mr. Bonica, I'm 3 sorry. Can you slow down, please, when you're 4 reciting the -- 5 THE WITNESS: I'm sorry. 6 THE COURT REPORTER: Thank you. 7 BY MR. COLLIER: 8 Q I'll repeat. So that URL -- 9 A Yeah. 10 Q -- is www3.ietf.org/proceedings/staging/ a 11 document file name, correct? 12 A Mm-hmm. 13 Q And that's the same parent directory as 14 the staging link in the previous e-mail, right? 15 A Exactly. 16 Q So in your declaration, you pointed to, I 17 think, ten e-mails that include this -- links to 18 this same directory. 19 Do you remember that? 20 A Staging area, yeah. 21 Q Right. Have you ever tried to access the 22 directory that is www3.ietf.org/proceedings/staging/? 23 A I'm not sure, because for the last few 24 years -- well, for the last year, that -- that 25 directory hasn't existed at all. They redid the

Page 26	Page 28
1 Datatracker, and now there isn't a staging area 2 anymore. In those days -- 3 Q Sorry. Continue. 4 A In those days, I would have done that 5 maybe in response to an e-mail like this. But can 6 I tell you which documents I chased down this way? 7 I just can't remember. 8 Q I'm sorry. Which document -- you mean 9 which documents you would have tried to go to the 10 staging folder for? 11 A Yeah. For instance -- 12 Q Well -- well, I have a slightly different 13 question before we get to that if you don't mind. 14 A No. Wait. I remember. There is one that 15 I would have had to go to, and that's one that I 16 was a co-author on. 17 Q So I want to talk about this URL a little 18 bit more. So can I just call it the www3 URL, and 19 we can understand what we're talking about? 20 A Just the staging URL, because there are a 21 lot of www3 URLs. 22 Q How about I call this one the www3 staging 23 URL? 24 A Fine. 25 Q Okay. So you don't recall ever trying to	1 A Yes. 2 Q And you would -- you would not land within 3 the staging directory index page, say? 4 A No. It would bring you directly to the 5 draft. 6 Q And so have you ever -- I think a slightly 7 different question than I asked you earlier. 8 Have you ever tried to access the -- the 9 parent directory from www3.ietf.org/proceeding/ 10 staging. 11 A I can only think of one time: When I made 12 an error submitting a draft. And I forget what 13 the error is. I believe I submitted version 0 14 twice. Then it got rejected. And then I did go 15 to the staging area to see what happened. And, 16 yes, there it was, in the staging area. 17 Q So you talked about going to the staging 18 area. 19 MR. COLLIER: Can we go back to 20 Exhibit 1008, please? 21 That's -- this is your declaration. 22 And let's go to paragraph 5 on page 4. 23 BY MR. COLLIER: 24 Q So in that paragraph, you stated that the 25 staging folder can be found at the following link,
Page 27	Page 29
1 go specifically to the www3 staging URL, do you? 2 A I know that I would have done it in 3 response to an e-mail like this, but I really 4 can't remember when I did it. 5 Q Would you have gone -- 6 A It might have been -- 7 Q Would you have gone to the staging URL? 8 Would you have gone -- followed the link directly 9 into your file -- 10 A If I got an e-mail -- if I got an e-mail 11 like this that said it's in the staging area and 12 it was in an area that I cared about -- like, back 13 in those days, I cared about MPLS -- yeah, I would 14 have gone there. I would have just followed the 15 link and not even thought about where it was 16 going. 17 But can I remember a specific draft that I 18 went to the staging area to get? You know, other 19 than -- 20 Q But if you -- 21 A -- my own canceled draft, you know, I 22 don't remember any specific one. 23 Q If you followed the link in this e-mail, 24 it would take you directly to that draft file, 25 correct?	1 and in that instance, the link is 2 www.ietf.org/staging, right? 3 A Mm-hmm. 4 Q And so that's -- that's actually a 5 different URL than the www3 staging URL we were 6 talking about just a second ago. 7 A Oh, you're right, it is. 8 Now, the question is, why would they both 9 work? 10 Q Well, so -- so let me ask you one thing: 11 Are you sure you've ever tried to access the 12 staging folder itself from the www3 URL? 13 A I believe I did, and the reason I believe 14 that is I believe they both resolved to the 15 same -- same URL -- to the same directory on the 16 server. 17 Q Would you be surprised if there's no copy 18 in, say, the Internet Archive of the www3 staging 19 folder? 20 A No, I wouldn't be surprised at all. 21 Q And why not? 22 A It's kind of like the temp files in -- on 23 your laptop. The contents are going to change 24 every day; why would anybody archive them? 25 Q Well, you have -- I guess not attached to

Page 30

1 your declaration, but in reviewing your
2 declaration, you pointed to an exhibit that is
3 essentially a printout of the staging folder.
4 Do you remember that?
5 A Yes, yes. I think that's the staging
6 folder as it was in early 2024 when somebody could
7 actually go to it, dump it -- dump its contents.
8 But if -- if you're asking is there a way
9 I can see what was in it in 2008, you know, it may
10 be that the IETF made a backup and kept it, but
11 I'd be surprised if they did.
12 Q But you didn't include a copy of the www3
13 staging folder as an exhibit to your declaration,
14 did you?
15 A I don't think I did.
16 Q So going back to the -- the other staging
17 folder, so the www.ietf.org/staging folder, do you
18 think that folder is indexed in any way?
19 MR. BRIGGS: Object to form.
20 You can answer if you understand. If you
21 need him to repeat it, he can repeat it.
22 THE WITNESS: Well, the question is, what
23 do you mean by "indexed"? There are two things
24 that I -- two ways to resolve that word. One way
25 is Google has gone around searching the Web -- or

Page 31

1 somebody else like it, like Google -- they found
2 this directory, and if you did a Google search,
3 you'd find it.
4 Another thing that it might mean is that
5 there was a dot-index file in the directory
6 that -- if that happens, when you go to the top
7 level of the directory, the dot-index file will
8 have a great, big list of all the Internet-Drafts
9 that are in it.
10 Are you asking the first question or the
11 second?
12 Q We'll start with the first question.
13 Have you -- I'll ask it this way: Have
14 you ever googled for the staging directory?
15 A Oh, of course not.
16 Q And for the second question, do you recall
17 if there is an index file within the staging
18 directory?
19 A I believe there is, and the reason why is
20 up until this year, if you went to the staging
21 directory, it would give you a list of all the
22 files in it. You know, with a click -- a way to
23 click on each of them.
24 So, you know, was it done with a dot-index
25 file? No. It could be done a lot of ways. But

Page 32

1 they certainly did have the function of the
2 dot-index file. If you went to the top level of
3 the directory, it would tell you what's in it.
4 Exactly like on your laptop, if you went to a
5 folder and typed DIR -- for those who one day,
6 once upon a time used the CLI in Microsoft --
7 Q That's D-I-R, right?
8 A Yeah. In the Microsoft -- well, in the
9 old days, when you went to Microsoft's command
10 line, you could type DIR in a folder, and it would
11 tell you all the files or folders in the folder.
12 This would be the same thing in a Web page. You
13 go to the top level, and the top level says, This
14 is -- I'm a folder, and these are the files or
15 folders inside of me.
16 Now, I'm sure the staging URL would have
17 had that capability because I've seen it myself.
18 You know, that was the -- the list of files that I
19 saw from early this year.
20 Q And that's just --
21 A Now --
22 Q -- a list of file names, correct?
23 A It's a list of file names, and they're
24 clickable. Click on it and it brings you the
25 file.

Page 33

1 Now, the next question is, do I think
2 Google ever found it in a search? And the answer
3 is, I have no idea. I never tried to use Google
4 to find anything inside the IETF. If I were
5 looking for something, I'd go to the IETF Web page
6 and use their search.
7 Q So, actually, let's talk about their --
8 their search tool, the IETF search tool,
9 specifically how it functioned around 2008.
10 MR. COLLIER: Could we go to Exhibit 1056?
11 (Deposition Exhibit 1056, IETF I-D
12 Tracker, having been previously marked, was
13 presented for purposes of identification.)
14 BY MR. COLLIER:
15 Q Do you remember reviewing this document
16 for your declaration?
17 A Yes. That's the way the Datatracker
18 looked a long time ago.
19 Q I believe this purports to be a copy of
20 the Datatracker from, I think, October of 2006.
21 Does that sound right?
22 A Sounds good, yeah. In fact, there's a
23 date at the top of it.
24 Q Yeah. I think it's the -- the URL seems
25 to have the date.

Page 34	Page 36
1 So this is what you would have seen around 2 that time frame if you -- if you went to the IETF 3 Datatracker's search page? 4 A Mm-hmm. 5 Q And so there's, I think, seven sort of 6 entry fields of sorts on this page. 7 Do you see that? 8 A Yes. 9 Q And I think five of them look like 10 drop-down menus? 11 A Yes. 12 Q Is it fair to assume that if you were 13 trying to search using this tool, those drop-down 14 menus would limit your search results to documents 15 that match, say, attributes in those fields? 16 A Absolutely. That's what the Datatracker 17 is about. 18 Q And then there's three empty text box -- 19 boxes. 20 Do you see that? 21 A Mm-hmm, yes. 22 Q So the first one is introduced with the 23 phrase WG acronym. 24 Do you know what that means? 25 A Working group acronym.	1 Q And so this whole thing was the tool that 2 you could use from the IETF to search through 3 the -- the Datatracker, right? 4 A Mm-hmm. 5 Q There's nothing in here, though, that 6 would allow you to search by, say, keyword, is 7 there? 8 A No. You couldn't search for, like, the 9 word, you know, "chimpanzee" and look -- 10 Q And you couldn't -- other than the 11 specific criteria here, you couldn't just do a 12 general search through the text of a document? 13 A Well, yes, you could. Google could give 14 you a little help with that. 15 Q Well, I mean, in the data -- in the 16 Datatracker itself. 17 A No. In the Datatracker, there's no way to 18 look for a specific text. Now, in the new 19 Datatracker, there are keywords for each draft, 20 and I believe there is a way to search by 21 keywords. 22 Q When did the new Datatracker come into 23 existence? 24 A Oh, there have been many new Datatrackers. 25 It's gone through revision after revision.
Page 35	Page 37
1 Q So that would allow you -- that text box 2 would allow you to search for documents by working 3 group acronym? 4 A Yes. For instance, I chair the v6ops 5 Working Group. If I wanted to look at what is 6 going on in my own working group so I can organize 7 my meeting in a couple weeks, I would click on 8 working group acronym. 9 Q And you would have to type in the acronym 10 for -- for that working group? 11 A Yeah. 12 Q And then filename [sic], I assume, allows 13 you to search by typing in a file name? 14 A Yeah. If I'm looking for one specific 15 document, like, let's say I'm making up my slides 16 for a draft that I have working now, I would look 17 for a draft IETF 6man-vpn-dest-op, and it would 18 show me just that one draft. 19 Q And then the last of those three text 20 boxes is RFC number. So I assume that allows you 21 to search specifically by an RFC number that you 22 type in? 23 A Yeah. If a draft has made it all the way 24 to being an RFC, it doesn't have a file name 25 anymore; it has an RFC number.	1 Q What you just referenced, when did that 2 tool come into existence? 3 A I have no idea. There's a guy who 4 maintains the Datatracker. He's really good. And 5 I believe he puts out a new version, like, every 6 year. 7 Q Do you know who that is? 8 A Yes. 9 Q Do you know his name? 10 A Robert Sparks. 11 MR. COLLIER: All right. We can close 12 this exhibit. 13 BY MR. COLLIER: 14 Q So in your declaration, you mentioned a 15 document that you called Li-2. 16 Do you remember that? 17 A Yes. That's the IVI draft. 18 Q Right. And we can bring up your 19 declaration if you need it, but that's a document 20 titled draft.xli -- I'm sorry. Excuse me. 21 That's a document titled 22 draft-xli-ivi-00-7431 -- 23 THE COURT REPORTER: Mr. Collier, could 24 you start over, please? 25 MR. COLLIER: Yes. I'm sorry. Let's

Page 38	Page 40
1 scratch that. I'll do this. There's a better 2 way. 3 Can we go back to Exhibit 1008, please? 4 And let's go to the top of paragraph 4 on page -- 5 it's page 4 -- page 3. Sorry. Right there. 6 BY MR. COLLIER: 7 Q So just it's clear on the record, in your 8 declaration, you referred to Li-2, correct? 9 A Mm-hmm. 10 Q And Li-2 is this document listed on this 11 last sentence of page 3, correct? 12 A Mm-hmm. 13 Q And that's, just saying it quickly, but 14 draft-xli-ivi, and then a series of numbers, 15 -cancelled-txt [sic]. 16 (Overlapping speakers.) 17 A I can -- to make that easy. 18 Q Sure. 19 A The man's name is Xing Li, so x is for 20 Xing; IVI, if you look at it, it's the Roman 21 numeral IV and then sharing the V with the Roman 22 numeral VI, and it's about IPv4-to-IPv6 23 translation. So it's actually 4-6. The 00 is the 24 version number. I'm not quite sure what the next 25 four digits are. Maybe the submission ID.	1 answer because of all my colleagues, I rarely ask 2 them what they've read recently. 3 Now, I do know there was a conference -- 4 well, a design meeting in Toronto, I think -- it 5 was someplace in Canada -- around 2008 when -- 6 Xing Li, when I first heard him talk about IVI. 7 And I know that he was working on it with other 8 people before then. 9 So I know other people knew about IVI and 10 I knew that other people probably had even seen 11 the draft before he -- before he started to upload 12 it. I've never gone around and asked my friends, 13 you know, Have you looked at this draft? 14 Because it seemed to be a pretty good 15 idea. There was nothing controversial in it. I 16 know it was a good idea because I heard the 17 presentation. So it's not the kind of thing you'd 18 go asking your friends about. 19 Q What is -- what's your technical area of 20 expertise? 21 A My technical area? 22 Q Yes. 23 A I -- 24 MR. BRIGGS: Object to form. 25 THE WITNESS: What's that?
Page 39	Page 41
1 And then cancelled means he submitted it. 2 It went into the staging area, and then he did 3 something so that the request to put it in the 4 permanent area was canceled. 5 But that -- that entry remained in the 6 staging area for many, many, many years, and if 7 you clicked on that entry, it would bring you to 8 the draft. 9 Q So your -- you contend in your declaration 10 that this document was in -- available in the 11 staging folder by June 21, 2008, right? 12 A Yes. And you know that because there is a 13 last-modified date in the staging folder. 14 Q And I believe at the time of your 15 declaration, that document was still in the 16 staging folder, correct? 17 A Yeah. The staging folder went away early 18 this year, but I don't know the exact date. 19 Q Did you ever download a copy of Li-2 from 20 the staging folder before June 30, 2008? 21 A No. 22 Q Do you know anyone who downloaded a copy 23 of Li-2 from the staging folder before June 30, 24 2008? 25 A It's almost an impossible question to	1 MR. BRIGGS: Object to form. You can go 2 ahead and answer if you understand the question. 3 THE WITNESS: Oh, okay. IPv6. In fact, 4 right now, I have three drafts in the IPv6 5 Maintenance Working Group. I'm also co-chairman 6 of the V6 Operations Working Group. Also, segment 7 routing -- segment routing for V6. And at one 8 time, I was a network security kind of guy -- a 9 network secure operations guy. Also, virtual 10 private networks, I did that over my career, too. 11 BY MR. COLLIER: 12 Q In 2008, did you work on IPv4-to-IPv6 13 transition techniques? 14 A I didn't work on any transition techniques 15 myself. I want -- let's see. I can't remember 16 the exact date. I think, by 2008, I was already a 17 co-director of the IETF ops and management area, 18 which means I was seeing all of these transition 19 mechanisms to review them as they tried to become 20 RFCs. And the IESG finally decided that the best 21 transition mechanism was dual stack. 22 Q So going back to Li-2, though, you -- you 23 didn't attach any e-mails to your declaration or 24 cite any e-mails that had a link to Li-2, did you? 25 A No. I don't think so.

Page 42

1 Q Okay. And you don't specifically remember
2 anyone who -- that anyone read Li-2 at that time
3 in 2008, do you?
4 A Oh, I -- I have no idea who has read what
5 drafts in the IETF.
6 Q Okay. Okay.
7 A It's like publishing a book. Once you
8 publish it, you have no idea who read it.
9 Q Hopefully, your mom read it, right?
10 A Yeah.
11 MR. COLLIER: All right. I'll pass the
12 witness.
13 MR. BRIGGS: Let's take a short break,
14 please.
15 MR. COLLIER: That's fine. How long do
16 you want?
17 MR. BRIGGS: Let's take ten minutes.
18 (A brief recess was taken.)
19 MR. BRIGGS: I don't have any questions,
20 so I suppose we can just go on the record, and I
21 can just make that statement, and we can be done.
22 THE COURT REPORTER: I was already on the
23 record.
24 MR. BRIGGS: Oh, okay.
25 MR. COLLIER: And I have no further

Page 43

1 questions.
2 VIDEO TECHNICIAN: All right. Well, then,
3 this concludes the deposition of Ron Bonica at
4 2:16 p.m. Eastern time.
5 (The deposition was concluded at
6 2:16 p.m.)
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Page 44

1 DEPOSITION ERRATA SHEET
2 RONALD P. BONICA
3
4 Page No. Line No. CHANGE:
5
6 REASON FOR CHANGE:
7
8
9 Page No. Line No. CHANGE:
10 REASON FOR CHANGE:
11
12
13 Page No. Line No. CHANGE:
14 REASON FOR CHANGE:
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17 Page No. Line No. CHANGE:
18 REASON FOR CHANGE:
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20
21 Page No. Line No. CHANGE:
22 REASON FOR CHANGE:
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Page 45

1 DEPOSITION ERRATA SHEET (Continued)
2 RONALD P. BONICA
3
4 Page No. Line No. CHANGE:
5
6 REASON FOR CHANGE:
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9 Page No. Line No. CHANGE:
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22 REASON FOR CHANGE:
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Page 46

DECLARATION UNDER PENALTY OF PERJURY

I, RONALD P. BONICA, do hereby certify
under penalty of perjury that I have read the
foregoing transcript of my deposition taken on
October 24, 2024;

That I have made such corrections as
appear noted on the Deposition Errata Page,
attached hereto, signed by me;

That my testimony as contained herein, as
corrected, is true and correct.

Dated this ____ day of _____,
2024, at _____.

RONALD P. BONICA

* * *

Page 47

C E R T I F I C A T E O F R E P O R T E R

I, April L. Crites, RPR, RMR, CRR, CSR,
the officer before whom the foregoing deposition
testimony was taken, do hereby certify that before
being examined, RONALD P. BONICA was by me duly
sworn to testify to the truth, the whole truth,
and nothing but the truth;

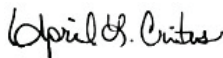
That the foregoing transcript is a true
and correct record of the testimony given;

That said testimony was taken by me
stenographically and thereafter reduced to
typewriting under my direction;

That reading and signing was requested;

And that I am neither counsel for, related
to, nor employed by any of the parties to this
case and have no interest, financial or otherwise,
in its final disposition.

IN WITNESS WHEREOF, I have here unto
subscribed my name this 28th day of October, 2024.
My commission expires May 31, 2025:



April L. Crites, RPR, RMR, CRR, CSR

CA Certified Shorthand Reporter No. 14493

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	21 39:11	acronym 34:23,25 35:3,8,9
-	23rd 10:10	active 11:8,16
-cancelled-txt 38:15	24 4:7	adopted 12:21,25 13:1,6 16:14
	2:16 43:4,6	adopts 12:23
0		advice 8:9
0 28:13	3	affect 6:22
00 16:21 38:23	3 38:5,11	afternoon 4:19
016789 22:10	30 39:20,23	age 5:4
		ahead 10:14 22:2 41:2
1	4	answers 6:14
1 8:24	4 28:22 38:4,5	anymore 13:22 26:2 35:25
1008 9:14,15 28:20 38:3	4-6 38:23	Appeal 4:6
1046 23:1 24:1,3		April 4:25
1055 18:17,21 19:2 23:7	5	archive 29:18,24
1056 33:10,11	5 28:22	area 12:4 25:20 26:1 27:11,12,18 28:15,16,18 39:2,4,6 40:19,21 41:17
12 8:16	6	Arkko 14:3 15:3
121 20:18	6man-vpn-dest-op 35:17	assume 6:9 34:12 35:12,20
13 8:15		attach 41:23
14 8:16	8	attached 29:25
15 15:8	8 11:6	attorney 10:15
16 15:2	8,451,844 4:12 9:17	attributes 34:15
17 15:2		authors 17:12 18:5,13
19 21:10	9	Automatic 21:16
1995 11:14,18	9 10:6	
1999 11:15,17 21:10	96 11:14	B
1:05 4:7		back 13:19 15:16 16:15,23,24 17:3,6, 22,24 23:3,6 27:12 28:19 30:16 38:3 41:22
2	@	backup 30:10
2 8:25 9:1	@bonica.org 19:20	backwards 11:22
20 8:1,14,24	@juniper.net 19:19	beginning 13:9 21:9
2000s 11:16 13:23	A	begins 21:21
2005 15:6,7 21:11	abides 16:10	big 31:8
2006 15:7,17,25 33:20	Absolutely 34:16	billion 11:6
2007 15:8 16:1 24:20	abstract 20:13	bit 10:7 11:21 23:9,15 26:18
2008 15:10 17:20 30:9 33:9 39:11,20, 24 40:5 41:12,16 42:3	access 18:18 25:21 28:8 29:11	Board 4:6
2011 8:15	accurately 6:18,20	Bonica 4:13,22 5:3,10,17,19 7:23 9:16,24 13:3 19:2 24:11 25:2 43:3
2024 4:7 30:6		book 42:7

bottom 19:10 bounce 16:15,23,24 17:3,5,24 box 34:18 35:1 boxes 34:19 35:20 break 7:2 42:13 Briggs 4:19,20 10:14 14:10,14 30:19 40:24 41:1 42:13,17,19,24 bring 9:13 10:24 18:17,19 23:1,6 28:4 37:18 39:7 brings 32:24 bunch 16:22 C call 26:18,22 called 11:24 13:15 16:13 23:22 37:15 Canada 40:5 canceled 27:21 39:4 cancelled 39:1 capability 32:17 capture 15:16 captured 15:14,15 care 20:13,14,15 23:21 cared 20:11,22 27:12,13 career 41:10 careful 14:19 carries 12:11 case 4:11 9:11 cases 12:7 cautioned 5:5 certified 5:6 chain 18:21 24:3 chair 11:11 35:4 chairs 16:14 change 12:10 14:11 29:23 changed 17:17 characters 16:19 chased 26:6 chimpanzee 36:9 Chorush 4:17	Chris 4:20 cite 41:24 cited 19:3 claim 18:2 clarify 6:3,6,8 clear 38:7 CLI 32:6 click 22:6,24 31:22,23 32:24 35:7 clickable 32:24 clicked 39:7 close 10:25 37:11 co-author 26:16 co-chairman 41:5 co-director 41:17 colleagues 40:1 Collier 4:16 5:2,9,12 9:13,20,23 10:5, 8,19,24 11:1 14:19,21 18:16,20 19:1, 9,11 23:1,5 24:1,9 25:7 28:19,23 33:10,14 37:11,13,23,25 38:6 41:11 42:11,15,25 command 32:9 comment 11:25 commonly 13:15 communications 10:15 compensation 9:5,9 computer 14:12,20 computers 11:23 concluded 43:5 concludes 43:3 conference 40:3 confirmation 17:15 contend 39:9 contents 29:23 30:7 contingent 9:6,10 continue 12:16,17 26:3 controversial 40:15 copy 29:17 30:12 33:19 39:19,22 correct 10:3,10 25:11 27:25 32:22 38:8,11 39:16 counsel 4:14 5:12 7:13,14,17,20 10:18	couple 7:19 35:7 court 4:24 6:14 25:2,6 37:23 42:22 create 16:3 criteria 36:11 Crites 4:25 CROSS-EXAMINATION 5:8 current 8:2 13:2 D D-I-R 32:7 Darrel 4:2 5:2 9:13 data 36:15 Datatracker 13:16,25 14:4,24 15:16, 21 16:2,23 17:5,10 21:8 22:4 26:1 33:17,20 34:16 36:3,16,17,19,22 37:4 Datatracker's 34:3 datatracker.ietf.org. 21:22 Datatrackers 36:24 date 4:6 8:16 16:1 33:23,25 39:13,18 41:16 day 17:18 24:14 29:24 32:5 days 13:15,19 20:10 26:2,4 27:13 32:9 DE 8:14 decide 20:13 decided 41:20 declaration 9:10,15 10:2,9,13,17 15:20 19:4 24:18 25:16 28:21 30:1,2, 13 33:16 37:14,19 38:8 39:9,15 41:23 declarations 10:21 definition 18:12 delay 14:17 depends 17:17 deponent 4:13 deposed 5:18 deposition 4:4,9 5:14,22 6:12 7:21 9:7,15 18:21 24:3 33:11 43:3,5 design 40:4 difficult 14:2 digits 38:25 DIR 32:5,10
---	--	---

directly 27:8,24 28:4 directory 25:13,18,22,25 28:3,9 29:15 31:2,5,7,14,18,21 32:3 distinguished 8:3,4,11,18 document 9:25 13:10 16:3,4,7,9,10 17:4,8,10 19:5,7,13 22:21,24,25 23:6 24:4,10,17 25:11 26:8 33:15 35:15 36:12 37:15,19,21 38:10 39:10,15 documents 15:19 17:13,14 24:12 26:6,9 34:14 35:2 dot-index 31:5,7,24 32:2 download 39:19 downloaded 39:22 dozen 20:19 draft 12:19,20,22,25 13:3,4,10,13,17, 20 15:25 16:15,21 17:22,23 18:3,4,6, 7,10,11,12,14 19:13 21:7 22:11,19 27:17,21,24 28:5,12 35:16,17,18,23 36:19 37:17 39:8 40:11,13 draft-bonica-6man 16:16 draft-ietf-6man 16:13 draft-jiang-p2psip-sep-01 18:23 draft-xli-ivi 38:14 draft-xli-ivi-00-7431 37:22 draft.xli 37:20 drafts 13:2 17:2 41:4 42:5 drop 22:7 drop-down 34:10,13 dual 41:21 Dublin 11:9 due 11:4 dues 11:4 duly 5:5 dump 30:7 E e-mail 13:20 17:15 18:1,5,13,21 19:6,12,18,22 20:7,25 24:3,22 25:14 26:5 27:3,10,23 e-mailed 13:24 21:7,14 e-mails 21:12 24:12 25:17 41:23,24 earlier 17:20 28:7	early 11:16 13:23 17:18 20:10 30:6 32:19 39:17 Eastern 4:8 43:4 easy 38:17 editor 13:21 Emanuel 4:21 empty 34:18 end 14:18 engineer 8:3,5,12,18,19,22,24,25 9:1 entry 34:6 39:5,7 error 28:12,13 essentially 30:3 exact 39:18 41:16 examined 5:6 Excuse 37:20 executives 8:8 exhibit 9:14,15 10:25 15:19 18:16,21 19:2 23:1 24:1,3 28:20 30:2,13 33:10, 11 37:12 38:3 existed 13:20 25:25 existence 14:25 36:23 37:2 Exline 4:2 expect 7:1 experienced 8:6 expert 20:19,22 expertise 12:4 40:20 explain 11:21 F fact 17:11 33:22 41:3 fair 6:9 9:4 17:7 34:12 feedback 14:7,10 fellow 21:6 fields 17:4 34:6,15 file 12:22 16:4,7,8,9,25 25:11 27:9,24 31:5,7,17,25 32:2,22,23,25 35:13,24 filename 35:12 files 29:22 31:22 32:11,14,18 finally 41:20	find 22:11 31:3 33:4 fine 26:24 42:15 firm 4:17,21 folder 18:19 26:10 28:25 29:12,19 30:3,6,13,17,18 32:5,10,11,14 39:11, 13,16,17,20,23 folders 32:11,15 forget 8:16,23 16:1 28:12 form 30:19 40:24 41:1 formatting 17:8 forwarded 23:15 found 28:25 31:1 33:2 fourth 24:23 frame 34:2 friends 40:12,18 full 5:15 function 32:1 functioned 33:9 fussy 16:19 G general 36:12 generally 12:22 21:14 give 13:17 22:14 31:21 36:13 gladly 16:17 good 4:19 5:10 7:1 33:22 37:4 40:14, 16 Google 30:25 31:1,2 33:2,3 36:13 googled 31:14 govern 11:22 great 31:8 ground 6:1 group 11:11,22 12:21,23 13:1,6 34:25 35:3,5,6,8,10 41:5,6 groups 20:18 guarantee 13:7 guess 18:12 29:25 guy 37:3 41:8,9
--	--	--

H happened 28:15 hard 14:4 15:1 head 19:8 header 20:25 hear 14:10,16 heard 5:11 40:6,16 heavy 11:17 Heim 4:17 held 4:9 hereinafter 5:6 hired 8:14,23 9:1 history 9:3 home 19:19 honestly 6:18,20 honesty 6:23 hope 12:23 hours 7:19 Http://www3.ietf.org/proceedings/staging 24:25 humans 11:6 I I-D 19:15 21:19 33:11 ID 22:13 38:25 idea 33:3 37:3 40:15,16 42:4,8 identification 9:19 18:25 24:7 33:13 identify 4:14 idsubmission@ietf.org 23:20 IESG 41:20 IETF 11:2,4,8,12 12:3,25 13:4,5 17:7, 12,16 18:13 19:12,14,15,25 20:16,18 21:15 23:21,23 30:10 33:4,5,8,11 34:2 35:17 36:2 41:17 42:5 ietf.org. 19:16 illness 6:17 illnesses 6:21 immediately 17:24 important 22:2	impossible 39:25 include 25:17 30:12 index 28:3 31:17 indexed 30:18,23 industry 8:8 information 13:18 initiation 20:9 inside 16:8 17:4 32:15 33:4 instance 16:12 19:18 26:11 29:1 35:4 instructions 17:12 Inter 9:16 interact 11:23 Internet 11:23 29:18 Internet-draft 11:15,19,20 12:2,9 21:1 Internet-drafts 12:18 19:24 20:3,4,6 23:23 31:8 introduced 34:22 invalid 16:25 17:1 IP 20:9,10 IPR 5:13 7:9 10:3 IPR-2024-0485 4:12 IPv4-TO-IPv6 38:22 41:12 IPv6 41:3,4 ITF 17:7 IV 38:21 IVI 37:17 38:20 40:6,9 J January 10:9 Jari 14:3 15:3 join 23:24 June 39:11,20,23 Juniper 4:10,22 7:24,25 8:2,21 9:6, 10 10:12,21,22 K keyword 36:6 keywords 36:19,21	kind 8:20 20:2 29:22 40:17 41:8 knew 40:9,10 L ladder 8:20 land 28:2 laptop 29:23 32:4 last-modified 39:13 law 4:21 lawful 5:4 lead 22:21 leads 22:23 level 8:24,25 9:1 12:19 31:7 32:2,13 levels 12:18 Lexitas 4:3 Li 38:19 40:6 Li-2 37:15 38:8,10 39:19,23 41:22,24 42:2 life 15:5 limit 34:14 link 17:25 18:1,2,7 22:4 24:23 25:14 27:8,15,23 28:25 29:1 41:24 links 25:17 list 20:1 23:22,24 31:8,21 32:18,22, 23 listed 38:10 literally 24:13 LLC 4:11 long 6:22 7:1,3,17,25 8:7,11 9:2 11:12 33:18 42:15 looked 9:3 33:18 40:13 lot 19:8 26:21 31:25 lots 20:5 M made 13:8 28:11 30:10 35:23 mailing 19:25 23:22,24 main 24:21 maintains 23:23 37:4 Maintenance 41:5
---	---	---

make 6:13 16:10 23:8,11,18 38:17 42:21 making 35:15 man's 38:19 management 41:17 manual 20:25 21:4,13 mark 18:16 marked 9:18 18:24 24:6 33:12 match 34:15 matter 4:10 means 8:6,9 14:17 21:6,14 34:24 39:1 41:18 mechanism 41:21 mechanisms 41:19 medication 6:16,25 meet 7:13,17 meeting 7:14 11:9,13 35:7 40:4 member 11:2,3 members 11:5 membership 11:4 mentioned 11:19 37:14 menus 34:10,14 message 20:2 23:15 Microsoft 32:6,8 Microsoft's 32:9 million 24:12,13 mind 26:13 minute 14:11 minutes 42:17 missed 5:20 Mm-hmm 25:12 29:3 34:4,21 36:4 38:9,12 mnemonic 12:24 13:1 mom 42:9 Monarch 4:10,18 5:12 monitor 4:3 morning 5:10 move 20:15 MPLS 27:13 mute 14:20	N names 32:22,23 naming 17:9 NETCONF 24:4,5 network 41:8,9 Networking 4:11,18 5:12 networks 4:10,23 7:24 41:10 NGO 24:4 Notification 18:22 number 4:11 16:20,25 35:20,21,25 38:24 numbers 38:14 numeral 38:21,22 O oath 7:6 Object 30:19 40:24 41:1 October 4:7 33:20 Office 4:5 operations 41:6,9 ops 41:17 organize 35:6 overlapping 38:16 owner 4:17 P p.m. 4:7 43:4,6 P2psip 18:22 papers 11:10 paragraph 28:22,24 38:4 parent 25:13 28:9 part 9:5,9 Partes 9:16 participant 11:8 participate 11:6,7 participated 11:12 participates 12:3	participation 11:17,18 pass 42:11 past 17:3,14 patent 4:5,12,17 9:17 Payne 4:17 pending 7:4 people 13:24 20:5,19 23:21 40:8,9, 10 perfect 18:20 permanent 39:4 Petition 9:16 phrase 34:23 pick 16:7 planet 23:24 point 13:17 pointed 25:16 30:2 pointer 22:15,18,23 pointing 14:3 23:16 points 19:3 post 18:3,4,10 posted 18:6,11,12,14 19:13 20:1 21:15 posting 20:25 21:4,13 postings 21:16 prepare 7:11,15 preparing 24:18 present 11:10 presentation 40:17 presented 9:18 18:24 24:6 33:13 press 13:18 pretty 17:8,22 40:14 prevent 6:17,19 previous 25:14 previously 5:5 9:18 18:23 24:5 33:12 printout 30:3 private 41:10 process 13:10 17:17 progress 12:13 promoted 8:15
---	---	--

promotion 8:20 9:3 proposed 24:4 protocol 20:9 provide 6:13 psip 22:10 psychoactive 6:24 publish 42:8 published 11:14 17:11 publishing 42:7 purports 33:19 purposes 9:18 18:24 24:6 33:13 put 39:3 puts 37:5 Q question 6:4,5,6,9,10 7:4 14:23 26:13 28:7 29:8 30:22 31:10,12,16 33:1 39:25 41:2 questions 6:2,14 42:19 43:1 quick 6:1 quickly 38:13 Quinn 4:21 R rarely 40:1 Re-charting 24:5 read 20:12,14 40:2 42:2,4,8,9 reading 20:12 reason 29:13 31:19 reasons 16:22 recall 24:10 26:25 31:16 receive 17:15,25 19:21 received 23:19 recently 40:2 recess 42:18 reciting 25:4 recognize 9:24 record 4:2 5:16 38:7 42:20,23 redid 25:25	referenced 12:12 15:19 37:1 referred 38:8 referring 15:18 reflecting 19:12 rejected 28:14 remained 39:5 remember 8:17 14:2,3,5 15:3,4 19:5, 6 21:11 22:12,17 24:17 25:19 26:7,14 27:4,17,22 30:4 33:15 37:16 41:15 42:1 remembering 14:5 15:2 remotely 4:9 repeat 25:8 30:21 rephrase 24:16 reporter 4:24 6:14 25:2,6 37:23 42:22 representing 4:3,22 10:12,22 request 10:21 39:3 requested 21:1,5 requests 11:24 requirements 17:9 residing 18:8 resolve 30:24 resolved 29:14 respond 18:1 response 26:5 27:3 results 34:14 review 9:17 41:19 reviewed 10:18 12:3 reviewing 30:1 33:15 revision 36:25 RFC 11:15 12:1,6,8 13:8 35:20,21,24, 25 RFCS 11:24 41:20 Robert 37:10 role 8:2,17,21 Roman 38:20,21 Ron 4:13 9:16 43:3 Ronald 5:3,17 roster 11:5	routing 41:7 rules 6:1 11:22 16:11,18 17:8 S Sabbagh 4:20 save 15:4 scan 20:7,21 scratch 38:1 screens 15:14 scroll 9:21 10:5,6 19:9,15 23:9 search 31:2 33:2,6,8 34:3,13,14 35:2,13,21 36:2,6,8,12,20 searching 30:25 secure 41:9 security 41:8 segment 41:6,7 send 18:4 20:2 sender 19:17 senior 8:19,22,24 sentence 38:11 series 38:14 server 29:16 services 15:14 session 20:8 sets 17:7 sharing 38:21 short 42:13 show 9:20 35:18 showing 15:3 sic 35:12 38:15 sign 10:13 19:17 signed 9:10 10:2,9,20 SIP 20:22 slides 35:15 slightly 26:12 28:6 slow 25:3 Solutions 4:11,18 5:13 someone's 12:22 someplace 40:5
--	---	--

sort 13:11 16:4 17:15 20:11 34:5 sorts 34:6 sound 33:21 Sounds 33:22 source 14:15 18:19 Sparks 37:10 speakers 38:16 specific 16:4 17:8 27:17,22 35:14 36:11,18 specifically 27:1 33:9 35:21 42:1 spoken 7:20 stack 41:21 staging 22:8,15 25:14,20 26:1,10,20, 22 27:1,7,11,18 28:3,10,15,16,17,25 29:5,12,18 30:3,5,13,16 31:14,17,20 32:16 39:2,6,11,13,16,17,20,23 standard 12:10,12 start 14:11 20:12 31:12 37:24 started 40:11 starting 13:9 state 5:15 stated 28:24 statement 42:21 States 4:4 step 13:8 submission 12:6,8 13:16,24,25 14:24 16:21,24 19:16 21:17,19 22:4, 13,14 38:25 submissions 23:21 submit 13:10,13,18 16:3,9,12 17:9, 22 submitted 12:20 16:16 17:13,14 28:13 39:1 submitting 17:23 28:12 subscribed 20:3,6 successfully 17:14 Support 9:16 suppose 42:20 surprised 29:17,20 30:11 swear 4:25 sworn 5:5	T takes 12:5 taking 5:13 talk 17:19 26:17 33:7 40:6 talked 28:17 talking 14:20 15:25 26:19 29:6 technical 40:19,21 TECHNICIAN 4:1 18:18 43:2 techniques 41:13,14 telephone 20:9,10 tells 19:17 temp 29:22 ten 25:17 42:17 testify 7:6,11 testifying 6:17,20 testimony 7:8 9:6 text 16:6,8 20:24 24:24 34:18 35:1,19 36:12,18 That'd 18:20 thing 11:3 13:15 20:11 24:21 29:10 31:4 32:12 36:1 40:17 things 17:24 30:23 thought 27:15 time 4:7,8 5:24 9:2 13:23 14:4 15:1,3 20:1,5 28:11 32:6 33:18 34:2 39:14 41:8 42:2 43:4 titled 37:20,21 TLS 24:4 today 5:14 6:18 7:2,5,12,21 9:7 Today's 4:6 Todd 4:19 told 23:9,12,18 tool 13:16,24,25 14:24 16:24 19:16 21:17,19 22:13,14 33:8 34:13 36:1 37:2 top 9:21 19:8 24:22 31:6 32:2,13 33:23 38:4 Toronto 40:4 Tracker 33:12 Trademark 4:5	transcribe 6:15 transition 41:13,14,18,21 translation 38:23 Trial 4:6 true 23:12,19 type 32:10 35:9,22 typed 32:5 typically 12:5 20:6 typing 35:13 U U.S. 9:17 understand 6:5 7:5,8 26:19 30:20 41:2 understood 6:9 United 4:4 upload 40:11 URL 18:14 21:19,21 22:8,13,15,16,20 25:8 26:17,18,20,23 27:1,7 29:5,12, 15 32:16 33:24 URLS 26:21 V V6 41:6,7 v6ops 35:4 verbal 6:13 version 16:20,25 18:22 28:13 37:5 38:24 versions 14:3 VI 38:22 VIDEO 4:1 18:18 43:2 virtual 41:9 W Wait 26:14 wanted 35:5 ways 13:14 30:24 31:25 Web 17:12 30:25 32:12 33:5 website 13:17,19 22:5
--	---	--

weeks 8:1 11:9 35:7
weight 12:11
WG 24:5 34:23
widely 12:2
Wills 4:16 5:11
word 5:20 30:24 36:9
work 7:23 12:13 29:9 41:12,14
worked 7:25
working 11:11 12:21,23 13:1,6 20:18
34:25 35:2,5,6,8,10,16 40:7 41:5,6
worst 8:9 12:7
writes 12:2
ww3.ietf.org 22:20
www.ietf.org/staging 29:2 30:17
www3 26:18,21,22 27:1 29:5,12,18
30:12
www3.ietf.org/proceeding 28:9
**www3.ietf.org/proceedings/
staging** 25:10,22
**www3.ietf.org/proceedings/
staging/draft-jiang-p2** 22:9

X

Xing 38:19,20 40:6

Y

year 10:10 12:5 14:5 15:4 17:18,21
25:24 31:20 32:19 37:6 39:18
years 8:1,14,15,24 12:8 15:2,8 19:8
25:24 39:6
yesterday 7:13,18

Z

Zoom 4:2 6:12