

Exhibit A – Disputed Patent Claim Terms

The following chart lists the disputed patent claim terms, phrases, or clauses of the '554 patent for which Plaintiff and Defendants propose different constructions.

Term #	Claims	Terms	Plaintiff's Proposed Construction	Plaintiff's Supporting Evidence	Defendants' Proposed Construction	Defendants' Supporting Evidence
1	1 & 15	“a network protocol that operates on top of the internet protocol”	Not indefinite No construction necessary; plain and ordinary meaning.	<i>Intrinsic Evidence:</i> • '554 Patent, ASPEN00000487, at 1:19-42, 1:43-51, 2:38-47, 3:39-4:18, 7:56-8:7, 8:9-10:50 • FIGs. 2b, 6 and corresponding description • <i>File History</i>, ASPEN00000253, including: • 8-10-2011 Issue Notification • 7-27-2011 Response to Rule 312 Communication • 1-25-2011 Amendment and Response to OA • 7-18-2011 Response to Notice to File Corrected Papers • 7-18-2011 Response to Notice of File Corrected Papers • 5-3-2011 Amendment and Response to OA • 2-4-2011 Notice of	Indefinite	<i>Intrinsic Evidence:</i> • '554 Patent, ASPEN00000487, at Abstract, 1:9-51, 2:38-47, 3:39-4:18; • FIG. 2b and corresponding description; • <i>File History</i>, ASPEN00000253, including: - o 8-10-2011 Issue Notification - o 7-27-2011 Response to Rule 312 Communication - o 1-25-2011 Amendment and Response to OA - o 7-18-2011 Response to Notice to File Corrected Papers - o 7-18-2011 Response to

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				Allowance • 1-25-2011 RCE and Amendment • 11-26-2010 Office Action • 9-14-2010 Amendment and Response to OA • 4-14-2010 Non-Final OA • 7-23-2008 IDS • 6-11-2008 Application • 3-13-2008 US 61/036,377 Provisional Application <i>Extrinsic Evidence:</i> • Testimony of expert witnesses, including but not limited to Dr. Izhak Rubin • <i>Cellco Partnership d/b/a Verizon Wireless et al. v. Aspen Networks, Inc.</i>, No. IPR2025-00008, Paper 1, EX1001-18 (P.T.A.B. Oct. 10, 2024) • 2018 4G Network Upgrade CALL FLOWS Ver. 9.0a, VZ_ASPEN_000001564, 000001653 • <i>Salazar v. AT&T Mobility LLC, et al.</i>, No. 2:20-cv-		Notice of File Corrected Papers - o 5-3-2011 Amendment and Response to OA - o 2-4-2011 Notice of Allowance - o 1-25-2011 RCE and Amendment - o 11-26-2010 Office Action - o 9-14-2010 Amendment and Response to OA - o 4-14-2010 Non-Final OA - o 7-23-2008 IDS - o 6-11-2008 Application - o 3-13-2008 US 61/036,377 Provisional Application <i>Extrinsic Evidence:</i> • Newton's Telcom Dictionary, 22nd Edition, at 493, 668-69, 733-34, DEFS-ASPEN-CC-00000605;

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				00004-JRG, <i>Claim Construction Memorandum Opinion and Order</i> , at 20-22 (E.D. Tex. Sept. 18, 2020), ASPEN00021356 - 00021407		• Microsoft Computer Dictionary, Fifth Edition Telecommunications: Glossary of Telecommunications Terms, at 287, 291, 362-64, DEFS-ASPEN-CC-00000597; • Federal Standard 1037C, at O-5, O-6, DEFS-ASPEN-CC-00000592; • IETF RFC 791 (DEFS-ASPEN-CC-000000024); IETF RFC 1122 (DEFS-ASPEN-CC-00000378); IETF RFC 1123 (DEFS-ASPEN-CC-00000494); IETF RFC 3261 (DEFS-ASPEN-CC-00000075); and IETF RFC 3455 (DEFS-ASPEN-CC-00000344); • Plaintiff's P.R. 3-1 Disclosure of Asserted Claims and Infringement Contentions.
2	1 & 15	"transmission source"	Not indefinite No construction	<i>Intrinsic Evidence:</i> • '554 Patent, ASPEN00000487, at	Indefinite or, alternatively, Plain and	<i>Intrinsic Evidence:</i> • '554 Patent, ASPEN00000487, at

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			necessary; plain and ordinary meaning.	2:11-37, 3:39-4:8, 8:9-10:50 - FIGs. 2b, 6 and corresponding description <i>File History</i>, ASPEN00000253, including: 8-10-2011 Issue Notification 7-27-2011 Response to Rule 312 Communication 1-25-2011 Amendment and Response to OA 7-18-2011 Response to Notice to File Corrected Papers 7-18-2011 Response to Notice of File Corrected Papers 5-3-2011 Amendment and Response to OA 2-4-2011 Notice of Allowance 1-25-2011 RCE and Amendment 11-26-2010 Office Action 9-14-2010 Amendment and Response to OA 4-14-2010 Non-Final OA	Ordinary Meaning (<i>i.e.</i> , device that initiates the transmission)	Abstract, 2:11-24, 7:56-8:3, 8:9-29, 9:21-44; - FIG. 2b and corresponding description; <i>File History</i>, ASPEN00000253, including: 8-10-2011 Issue Notification 7-27-2011 Response to Rule 312 Communication 1-25-2011 Amendment and Response to OA 7-18-2011 Response to Notice to File Corrected Papers 7-18-2011 Response to Notice of File Corrected Papers 5-3-2011 Amendment and Response to OA 2-4-2011 Notice of Allowance

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Term #	Claims	Terms	Plaintiff's Proposed Construction	Plaintiff's Supporting Evidence	Defendants' Proposed Construction	Defendants' Supporting Evidence
				• 7-23-2008 IDS • 6-11-2008 Application • 3-13-2008 US 61/036,377 Provisional Application <i>Extrinsic Evidence:</i> • Testimony of expert witnesses, including but not limited to Dr. Izhak Rubin • <i>Cellco Partnership d/b/a Verizon Wireless et al. v. Aspen Networks, Inc.</i>, No. IPR2025-00008, Paper 1, EX1001-18 (P.T.A.B. Oct. 10, 2024) • T-Mobile Product Requirements Document 20212 2H MTR, TMO-ASPEN-0033281, 0033287 • <i>Mobile Telecommunications Technologies, LLC, v. Leap Wireless International, Inc., et al.</i>, No. 2:13-cv-885-JRG-RSP, <i>Claim Construction Memorandum and Order</i>, at 29-30 (E.D. Tex. May		- o 1-25-2011 RCE and Amendment - o 11-26-2010 Office Action - o 9-14-2010 Amendment and Response to OA - o 4-14-2010 Non-Final OA - o 7-23-2008 IDS - o 6-11-2008 Application - o 3-13-2008 US 61/036,377 Provisional Application <i>Extrinsic Evidence:</i> • Plaintiff's P.R. 3-1 Disclosure of Asserted Claims and Infringement Contentions.

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				12, 2015), ASPEN00021276 - 00021314		
3	1 & 15	“SIP signaling sequence of the transmission is maintained”	Not indefinite No construction necessary; plain and ordinary meaning. Alternatively, “SIP signaling sequence, or ‘cseq’ number, is monotonically increased for new transmissions or preserved for re-transmissions.”	<i>Intrinsic Evidence:</i> • ’554 Patent, ASPEN00000487, at 2:59-3:20, 3:39-4:18, 5:1-38, 7:37-44, 8:9-10:50 • FIGS. 3, 4 at [160], [210], 5, and 11 and corresponding description • <i>File History</i>, ASPEN00000253, including: • 8-10-2011 Issue Notification • 7-27-2011 Response to Rule 312 Communication • 1-25-2011 Amendment and Response to OA • 7-18-2011 Response to Notice to File Corrected Papers • 7-18-2011 Response to Notice of File Corrected Papers • 5-3-2011 Amendment and Response to OA • 2-4-2011 Notice of	Indefinite or, alternatively, “SIP signaling sequence number of the transmission is maintained throughout a dialog with a SIP server”	<i>Intrinsic Evidence:</i> • ’554 Patent, ASPEN00000487, at Abstract, 2:59-3:20, 3:39-4:18, 5:1-38, 7:37-44; • FIGs. 3-5 and corresponding descriptions; • <i>File History</i>, ASPEN00000253, including: - o 8-10-2011 Issue Notification - o 7-27-2011 Response to Rule 312 Communication - o 1-25-2011 Amendment and Response to OA - o 7-18-2011 Response to Notice to File Corrected Papers - o 7-18-2011

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				Allowance • 1-25-2011 RCE and Amendment • 11-26-2010 Office Action • 9-14-2010 Amendment and Response to OA • 4-14-2010 Non-Final OA • 7-23-2008 IDS • 6-11-2008 Application • 3-13-2008 US 61/036,377 Provisional Application <i>Extrinsic Evidence:</i> • Testimony of expert witnesses, including but not limited to Dr. Izhak Rubin • <i>Cellco Partnership d/b/a Verizon Wireless et al. v. Aspen Networks, Inc.</i>, No. IPR2025-00008, Paper 1, EX1001-18 (P.T.A.B. Oct. 10, 2024) • NDA Wi-Fi Calling for Primary and Secondary Devices, AT&T_ASPEN_00000001, 000000066 • TMO Technology Workshop On Next		Response to Notice of File Corrected Papers - o 5-3-2011 Amendment and Response to OA - o 2-4-2011 Notice of Allowance - o 1-25-2011 RCE and Amendment - o 11-26-2010 Office Action - o 9-14-2010 Amendment and Response to OA - o 4-14-2010 Non-Final OA - o 7-23-2008 IDS - o 6-11-2008 Application - o 3-13-2008 US 61/036,377 Provisional Application <i>Extrinsic Evidence:</i> • IETF RFC 791 (DEFS-ASPEN-CC-000000024); IETF RFC 1122 (DEFS-ASPEN-

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				Generation WTF 2.0, TMO-ASPEN-0026668, 0026675		CC-00000378); IETF RFC 1123 (DEFS-ASPEN-CC-00000494); IETF RFC 3261 (DEFS-ASPEN-CC-00000075); and IETF RFC 3455 (DEFS-ASPEN-CC-00000344) Plaintiff's P.R. 3-1 Disclosure of Asserted Claims and Infringement Contentions.
4	3 & 17	"stream load balancing"	No construction necessary; plain and ordinary meaning. Alternatively, "an event when an RTP stream is signaled to move to a different wide-area network ("WAN")."	<i>Intrinsic Evidence:</i> '554 Patent, ASPEN00000487, at 1:42-51, 2:25-37, 3:39-4:8, 6:48-67, 7:1-6, 7:10-18, 7:26-3, 8:9-10:50 - FIG. 4 at [120] and corresponding description <i>File History</i>, ASPEN00000253, including: 8-10-2011 Issue Notification 7-27-2011 Response to Rule 312 Communication 1-25-2011 Amendment and Response to OA 7-18-2011 Response to	Plain and ordinary meaning (<i>i.e.</i> , ... as a result of stream load balancing based on a measured stream load)	<i>Intrinsic Evidence:</i> '554 Patent, ASPEN00000487, at Abstract, 1:42-51, 2:25-37, 3:39-4:8, 6:48-67, 7:1-25, 8:9-10:50; - FIG. 4 corresponding description; <i>File History</i>, ASPEN00000253, including: 8-10-2011 Issue Notification 7-27-2011 Response to Rule 312 Communication 1-25-2011

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				Notice to File Corrected Papers • 7-18-2011 Response to Notice of File Corrected Papers • 5-3-2011 Amendment and Response to OA • 2-4-2011 Notice of Allowance • 1-25-2011 RCE and Amendment • 11-26-2010 Office Action • 9-14-2010 Amendment and Response to OA • 4-14-2010 Non-Final OA • 7-23-2008 IDS • 6-11-2008 Application • 3-13-2008 US 61/036,377 Provisional Application <i>Extrinsic Evidence:</i> • Testimony of expert witnesses, including but not limited to Dr. Izhak Rubin • <i>Cellco Partnership d/b/a Verizon Wireless et al. v. Aspen Networks, Inc.</i>, No. IPR2025-00008, Paper 1, EX1001-18 (P.T.A.B.		- o Amendment and Response to OA - o 7-18-2011 Response to Notice to File Corrected Papers - o 7-18-2011 Response to Notice of File Corrected Papers - o 5-3-2011 Amendment and Response to OA - o 2-4-2011 Notice of Allowance - o 1-25-2011 RCE and Amendment - o 11-26-2010 Office Action - o 9-14-2010 Amendment and Response to OA - o 4-14-2010 Non-Final OA - o 7-23-2008 IDS - o 6-11-2008 Application - o 3-13-2008 US 61/036,377 Provisional

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				Oct. 10, 2024)		Application <i>Extrinsic Evidence:</i> Plaintiff's P.R. 3-1 Disclosure of Asserted Claims and Infringement Contentions.
5	5 & 19	"SIP server"	No construction necessary; plain and ordinary meaning.	<i>Intrinsic Evidence:</i> '554 Patent, ASPEN00000487, at 2:59-3:20, 5:62-6:42, 7:37-44, 7:56-8:3, 8:9-10:50 - FIGS. 4 at [160], [170], [180], [190], [210], [220], 5, 6, 9, and 11 and corresponding description <i>File History</i>, ASPEN00000253, including: 8-10-2011 Issue Notification 7-27-2011 Response to Rule 312 Communication 1-25-2011 Amendment and Response to OA 7-18-2011 Response to Notice to File Corrected Papers	Server that receives and responds to a SIP INVITE request	<i>Intrinsic Evidence:</i> '554 Patent, ASPEN00000487, at Abstract, 2:59-3:20, 5:39-45, 5:62-6:42, 7:37-44, 7:56-8:3, 8:9-10:50; - FIGS. 4 and corresponding description; <i>File History</i>, ASPEN00000253, including: 8-10-2011 Issue Notification 7-27-2011 Response to Rule 312 Communication 1-25-2011 Amendment and Response to OA

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				• <i>ESN, LLC v. Cisco Systems, Inc. et al.</i>, No. 5:08-cv-20-DF, Dkt. 102 at 28-30 (E.D. Tex. July 13, 2009), ASPEN00021315 - 00021355 • TMO Technology Workshop On Next Generation WFC 2.0, TMO-ASPEN-0026668, 0026675		<i>Extrinsic Evidence:</i> • IETF RFC 3261 (DEFS-ASPEN-CC-00000075); and IETF RFC 3455 (DEFS-ASPEN-CC-00000344); • Plaintiff's P.R. 3-1 Disclosure of Asserted Claims and Infringement Contentions.
6	15	"the transmission . . . Said transmission . . . The audio or video transmission"	Not indefinite No construction necessary; plain and ordinary meaning.	<i>Intrinsic Evidence:</i> • '554 Patent, ASPEN00000487, at 1:1-18, 1:43-2:4, 8:9-10:50 • <i>File History</i>, ASPEN00000253, <i>including</i>: • 8-10-2011 Issue Notification • 7-27-2011 Response to Rule 312 Communication • 1-25-2011 Amendment and Response to OA • 7-18-2011 Response to Notice to File Corrected Papers • 7-18-2011 Response to	Indefinite	<i>Intrinsic Evidence:</i> • '554 Patent, ASPEN00000487, at 1:1-18, 1:43-2:24, 8:9-10:50; • <i>File History</i>, ASPEN00000253, <i>including</i>: - o 8-10-2011 Issue Notification - o 7-27-2011 Response to Rule 312 Communication - o 1-25-2011 Amendment and Response to OA

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				20212 2H MTR, TMO-ASPEN-0033281, 0033287		- o 3-13-2008 US 61/036,377 Provisional Application <i>Extrinsic Evidence:</i> • Plaintiff's P.R. 3-1 Disclosure of Asserted Claims and Infringement Contentions.
7	15	“audio or video data . . . Audio or video content . . . Audio or video transmission”	Not indefinite No construction necessary; plain and ordinary meaning.	<i>Intrinsic Evidence:</i> • '554 Patent, ASPEN00000487, at 1:1-18, 1:43-2:4, 8:9-10:50 • <i>File History</i>, ASPEN00000253, <i>including:</i> • 8-10-2011 Issue Notification • 7-27-2011 Response to Rule 312 Communication • 1-25-2011 Amendment and Response to OA • 7-18-2011 Response to Notice to File Corrected Papers • 7-18-2011 Response to Notice of File Corrected Papers • 5-3-2011 Amendment and	Indefinite	<i>Intrinsic Evidence:</i> • '554 Patent, ASPEN00000487, at 1:1-18, 1:43-2:47, 3:38-4:8, 8:9-10:50; • <i>File History</i>, ASPEN00000253, <i>including:</i> - o 8-10-2011 Issue Notification - o 7-27-2011 Response to Rule 312 Communication - o 1-25-2011 Amendment and Response to OA - o 7-18-2011 Response to Notice to File

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						Application <i>Extrinsic Evidence:</i> • Plaintiff's P.R. 3-1 Disclosure of Asserted Claims and Infringement Contentions.