

American National Standards Committee C63®

Electromagnetic Compatibility Subcommittee 4: Wireless and ISM Equipment

Chair: Abbondante, Nick Vice Chair: Nixon, Jason Secretary: Jerry Ramie

May 6, 2025 1:00 PM – 4:30 PM - EDT TÜV Rheinland of North America Inc., Boxborough, MA Web-meeting

Approved Minutes

1. Call to Order: Chair - The meeting was called to order at 1:06PM-EDT

1.1 Announcements: Chair's remarks - Welcome to the meeting!

1.2 Meeting logistics announcements: Host - Bob Mitchell

1.3 Introductions: Secretary – roll call (record attending members with their affiliations and guests separately below) Report any roster errors to the C63® Secretary (SC4 membership roster from the website is shown below) Note absences, excused absences and errors below.

Subcommittee 4 Membership Roster

Name	Role in SC	Affiliation
Abbondante, Nicholas	Chair	Intertek (Primary Rep)
Antola, Michael	Member	UL LLC (Alternate Rep)
Case, David	Member	TIMCO Engineering Inc., an IIA Company (Expert)
Chamberlain, David	Member	ISED Canada (Primary)
Chen, Zhong	Member	ETS-Lindgren (Primary)
Coder, Jason	Member	NIST (Primary)
DeLisi, Bob	Member	UL LLC (Primary)
Elliott, William (Mac)	Member	TÜV SÜD America, Inc. (Primary)
Friden, Jonas	Member	Ericsson AB (Expert)
Graff, William	Member	TCB Council, Inc. (Primary)
Heckrotte, Mike	Member	UL LLC (Expert)
Hodes, Harry	Member	Consultant (Individual)
<u>Hoolihan, Dan</u>	Member	Hoolihan EMC Consulting (Individual)
House, Jody	Member	Element Materials Technology (Alternate)
Kiemel, Greg	Member	Apple Inc. (Primary)
Klinger, Jeff	Member	Individual
Kramer, Doug	Member	Apple Inc. (Expert)
Lee, Edmund	Member	Apple Inc. (Expert)
Mahn, Terry	Member	Fish & Richardson P.C.
Mendoza, Ernesto	Member	Signify
Molaei, Nima	Member	Element Materials Technology (Primary Rep)
Nixon, Jason	Vice Chair	ISED Canada (Expert)
Pino, Dan	Member	Element Materials Technology (Technical Expert)
Royer, Tim	Member	TIMCO Engineering Inc., an IIA Company (Primary)
Salem, Pelin	Member	Cisco Systems, Inc. (Technical Expert)
Shumakov, Denys	Member	ISED Canada (Expert)

Skoglund, Kenth	Member	Ericsson AB (Primary)
Surve, Soham	Member	Amazon Lab 126
Zerman, Kendall	Member	Sony
Zimmerman, Dave	Member	Spectrum EMC, LLC (Individual)

Guests and Observers: (non-voting) Jerry Ramie, Randy Long, Henry Benitez, Janet O'Neil, Andy Griffin, Aurelian Bria, Art Wall, Vignesh Rajamani, Tom Braxton, Bob Mitchell, Craig Fanning, Victor Kuczynski, Deanna Zakharia, Yibo Wang, Reuben Brown, Grace Lin, Ken Gjerde, Richard Reitz, Horia Popovici, Chad Beattie, David Schaefer

- 1.4 Quorum: (50% of roster) constitutes a quorum. (rounding up) = (30 roster members / 2) = 15 >> therefore 15 people are required for a quorum. Was quorum achieved? (Yes) If not, any actions taken are subject to confirmation by electronic ballot or at a future meeting. (Quorum is not required for Working Group meetings)
- 2. Approval of the <u>Consent Agenda</u> (includes <u>Agenda</u> & <u>previous Minutes</u>): Secretary The Consent agenda was approved by acclamation. (<u>Approved Previous Minutes</u>)
 - **2.1** Review of the <u>patent slides</u> The patent slides were shown and all agreed to the terms.
- 3. Review of <u>Subcommittee Membership</u>: Secretary Report any errors to the ANSC-C63® Secretary
 - 3.1 Review of Membership Guidelines Subcommittees:

For an individual to remain a voting member of a Subcommittee, active participation in Subcommittee meetings and regular responses to Subcommittee email votes is required. Should a member fail to attend at least <u>one of three</u> consecutive scheduled meetings (in person or remotely via web conference (when used)) or respond to at least one of every two consecutive Subcommittee email votes, their membership in that Subcommittee may be at risk.

Note: Abstentions shall be treated the same as a "yes" or "no" vote regarding the requirement to respond to email votes.

Member Attendance Log: Any errors in the log?

	enibei Attenuance Log. A								
20210527	20210909	20220215	20220517	20221108	20230510	20231003	20240516	20241003	SC4 Roster:
Х	Х	Х	Х	Х	Х	Х	Х	Х	Abbondante, Nicholas
Х	Х	Х	Х	Х	Х	Х		Х	Antola, Michael
Х	Х	Х	Х	Х	Х			Х	Case, David
Х	Х	Х		Х	Χ	Х	Χ	Χ	Chamberlain, David
Х	X	Х	Х	Х	Χ		Х	Χ	Chen, Zhong
Х	Χ	Х	Х	Х	Χ	Χ	Χ	Χ	Coder, Jason
х	Х	Х	Х	Х	Х	Х	Х	Х	<u>DeLisi, Bob</u>
Х	Х	Х	Х	Х	Х	Х	Х	Х	Elliott, William (Mac)
	Х			Х	Х		Х		Friden, Jonas
	Х	Х	Х		Х	Х	Х	Х	Graff, William
						Х			Heckrotte, Mike
			Х				Х	Х	Hodes, Harry
Х		а	Х	Х	Χ		Χ	Χ	Hoolihan, Dan
		Х	X	X	Χ		Χ		House, Jody
Х	Χ		Х	Х	Χ	Χ	Χ	Χ	Kiemel, Greg
X	Χ	Х	Х	Х		Χ	Χ	Χ	Klinger, Jeff
	X	Х	x		X	X	Χ	X	Kramer, Doug
X		Х	Х		Χ	Χ	Χ	X	<u>Lee, Edmund</u>
X				а					Mahn, Terry
X	Χ	Х	Х	Х	Χ	Χ	Χ		Mendoza, Ernesto
Х	Χ	Х		Х		Χ		Χ	<u>Molaei, Nima</u>
	Χ	Х	Х	Х	Χ	Χ	Χ	Χ	Nixon, Jason
				Х	Χ				<u>Pino, Dan</u>
				Х			Х	Х	Royer, Tim
		Х	Х	Х	Χ	Χ	Х	а	Salem, Pelin
Х	Χ	Х		Х	Χ	Χ	Х	Х	Skoglund, Kenth
Х	X	l			X				Zimmerman, Dave

Any members at risk? Terry Mahn, Dan Pino & Dave Zimmerman are at risk. Dave Zimmerman and Dan Pino attended today and are no longer at risk. Terry Mahn has retired. AI-76: Jerry to remove Mr. Mahn from all rosters.

- 3.2 Consideration of new SC4 members? Application for C63® Subcommittee

 Membership Nic Johnson any objections to his membership? (none) Mr. Johnson was accepted for SC4 Membership. AI-77: Jerry to add Mr. Johnson to the SC4 roster and webex invitation list.
- **4. Working Group reviews Chair -** More information about each standard is available on the Standards Status Matrix page of the <u>C63® web site</u>. This information will be reviewed for accuracy at each Spring Subcommittee meeting. The WG reports shall be made using either the <u>C63_PowerPoint template</u> or the <u>C63_PowerPoint template</u> wide.
- **4.1 C63.10 Unlicensed transmitters Ed4.0 Chamberlain** At the last meeting we agreed to assign <u>C63.10.DTS.UNII</u> to the C63.10 Working Group.
- **4.1.1 Status Matrix Review** Verify accuracy of document <u>status matrix</u> content and report any errors to the ANSC-C63® Secretary. **Is this information correct? (Yes)**

	Procedures for compliance testing of unlicensed wireless	<u>SC 4</u>	Chamberlain, David	<u>C63.10</u> <u>PINS</u>	See Scope of Work in <u>Learn more</u> text below.
Learn more	devices				

C63.10: C63.10-202X American National Standard for Testing Unlicensed Wireless Devices

Contact: Chamberlain, David (Working Group Chair)

Scope: This PINS is intended to address the following topics to be incorporated into Edition 4: (a) editorial corrections, including clarification of terms and removal of subclauses no longer deemed necessary, updating the FCC cross reference matrix and review any standards references; (b) review and clarify as necessary the administrative procedures in Clause 5 of C63.10; (c) Test reduction methods based on emerging technologies (d) Add bandwidth correction methods for when a RBW less than reference BW is used (See C63.26 4.2.3) (e) review and change as necessary Clause 5.6.3 for testing band

edge requirements as power levels change (f) review and change as necessary Clause 11 (DTS) for applicability; (g) review and change as necessary procedures for UNII due to changes in FCC Rules, including TPC and antenna elevation mask testing; (h) Measurement guidance for 802.11 technologies using resource units (i) review and include as necessary DFS test procedures; (j) review and change as necessary MIMO procedures: and, (k) review and include as necessary AFC validation procedures (l) Incorporate or revise Test methods based on relevant FCC KDBs (m) Extend the frequency range (n) Radar test methods for 57-71 GHz (o) incorporate changes made in the corrigendum and amendment (p) create antenna gain measurement procedure (q) review and correct any items as necessary

Status: New project. Draft is being written

Purchase: This standard is not yet complete and not available for purchase.

4.2 C63.10 -Amend 1 - Molaei

4.2.1 Status Matrix Review Verify accuracy of document <u>status matrix</u> content and report any errors to the ANSC-C63® Secretary. **Is this information correct? (Yes)**

C(2.10-	A NI_4: 1 C4 1 1	CC 4	Malasi Nissa	NI4:	A J A J NEC
C63.10a-	American National Standard of	<u>SC 4</u>	Molaei, Nima	No active	Amendment to address NFC
2024	Procedures for Compliance			PINS	OBW measurements, guidance
Learn more	Testing of Unlicensed Wireless				for absorber use for UWB, update
	Devices				frequency stability and add 6GHz
	Amendment 1				NII information

C63.10a: C63.10 AMD-1 202X American National Standard for Testing Unlicensed Wireless Devices

Contact: Molaei, Nima

Scope: Amend standard to update procedures for bandwidth, UWB, frequency stability and NII.

Status: Corrections for bandwidth measurement procedures, frequency stability, and UWB and added NII 6GH procedures

based on FCC KDBs and ISED RSS-248.

Purchase: Search IEEE Standards - Enter C63 Standard number then Search (Enter) - Click on the version you want - Click

on Purchase

4.3 C63.26 - Licensed transmitters - Elliott

4.3.1 Status Matrix Review Verify accuracy of document <u>status matrix</u> content and report any errors to the ANSC-C63® Secretary. **Is this information correct? (Yes)**

C63.26-	Procedures for compliance	<u>SC 4</u>	Elliott, William	<u>C63.26</u>	2015 edition under revision.
202X	testing of licensed transmitters			<u>PINS</u>	Approved PINS for Reaffirmation
Learn more					Ballot of ANSI C63.26 in January
					2025.

C63.26-202X: American National Standard of procedures for compliance testing of transmitters used in licensed radio services

Contact: Elliott, William (Working Group Chair)

Scope: This standard covers the procedures for testing a wide variety of licensed transmitters; including but not limited to transmitters operating under Parts 22, 24, 25, 27, 90, 95 and 101 of the FCC Rules, transmitters subject to the general procedures in Part 2 of the FCC Rules and procedures for transmitters not covered in the FCC Rules. The standard also addresses specific topics; e.g., ERP/EIRP, average power measurements and instrumentation requirements.

Status: Draft is being written. **Purchase:** Not yet available for sale

4.4 C63.29 - Lighting equipment - Mendoza

4.4.1 Status Matrix Review Verify accuracy of document <u>status matrix</u> content and report any errors to the ANSC-C63® Secretary. **Is this information correct?** (No)

C63.29- 202X	Lighting products	<u>SC 4</u>	Mendoza, Ernesto	<u>C63.29</u> PINS	New standard. Draft is being written.
Learn more					

C63.29-202x: American National Standard of procedures for compliance testing of lighting products

Contact: Mendoza, Ernesto (Working Group Chair)

Scope: This standard is intended to include procedures for compliance testing of general illumination lighting products with applicable radio regulatory requirements. This standard encompasses various technologies, from traditional lighting like fluorescent or HID, as well as novel technologies like LED and others. Related national and international standards (e.g., CISPR 15, ANSI C63.4) will be reviewed and used to the extent possible.

Status: New Standard. Draft is being written.

Purchase: Search IEEE Standards - Enter C63 Standard number then Search (Enter) - Click on the version you want - Click on Purchase Not yet available for sale. C63.29-2022 is available for sale - Search IEEE Standards - Enter C63 Standard number then Search (Enter) - Click on the version you want - Click on Purchase (changes implemented 5/6/2025)

4.5 C63.30 - Wireless Power Transfer equipment - Thul - review new draft PINS

The draft PINS was reviewed. Bill Graff moved, seconded by David Chamberlain to approve the PINS. No objections; the PINS was approved by acclamation. The PINS will be reviewed at the Main Committee meeting.

4.5.1 Status Matrix Review Verify accuracy of document <u>status matrix</u> content and report any errors to the ANSC-C63® Secretary. **Is this information correct? (Yes)**

C63.30-	Wireless Power Transfer	<u>SC 4</u>	Thul, Travis	<u>C63.30</u>	Published. WG disbanded.
2021	Products			<u>PINS</u>	
Learn more					

C63.30-2021: American National Standard of procedures for compliance testing of Wireless Power Transfer products Contact: <u>Thul, Travis</u> (Working Group Chair)

Scope: This standard is intended to include procedures for compliance testing of several different types of Wireless Power Transfer (WPT) products with applicable electromagnetic compatibility (EMC) and radio regulatory requirements. Test procedures will focus on radiated field and conducted measurements and may reference established standards. WPT RF exposure compliance procedures will not be included, although standards pertaining to laboratory EMF safety may be referenced. WPT testing methods may consider, but are not limited to, large in-situ installations, charging systems for electric vehicles (including impact of host on electromagnetic fields), house-hold appliances, and desktop chargers. Consideration will also be given to appropriate testing distances and test locations (such as Semi-Anechoic Chambers, Open Area Test Sites, ground plane, and earth sites). Related national and international standards (e.g., CISPR, SAE, etc.) will be reviewed and used to the extent possible.

Status: Balloting complete – document passed. WG disbanded.

Purchase: Search IEEE Standards - Enter C63 Standard number then Search (Enter) - Click on the version you want - Click on Purchase

4.6 C63.31 - ISM equipment - Abbondante

4.6.1 Status Matrix Review Verify accuracy of document <u>status matrix</u> content and report any errors to the ANSC-C63® Secretary. **Is this information correct? (Yes)**

C63.31-	ISM equipment (MP-5)	<u>SC 4</u>	Abbondante,	<u>C63.31</u>	New standard. Draft being
draft			<u>Nicholas</u>	<u>PINS</u>	written.
Learn more					

C63.31-draft: American National Standard for compliance testing of Industrial, Scientific and Medical (ISM) Equipment

Contact: Abbondante, Nicholas (Working Group Chair)

Scope: This standard is intended to include procedures for compliance testing of traditional ISM equipment (industrial heaters, dielectric heaters, food tempering equipment, microwave ovens, medical diathermy equipment, etc.) with applicable EMC and radio regulatory requirements. Related national (FCC/OET MP-5) and international standards (e.g., CISPR, IEEE) will be reviewed and used to the extent possible.

Status: New standard. Draft being written.

Purchase: Not yet available for sale.

4.7 C63.10.DTS.UNII - Procedures for Compliance Testing of Unlicensed UNII and Digital Transmission System Wireless Devices - Chamberlain

4.7.1 Status Matrix Review Verify accuracy of document <u>status matrix</u> content and report any errors to the ANSC-C63® Secretary. - Is this information correct? (No)

C63.10 -	Procedures for Compliance	<u>SC 4</u>	Chamberlain,	C63.10.DTS.UNII	The standard will take sections
DTS <mark>-</mark> UN	II-Testing of Unlicensed UNII		<u>David</u>	<u>PINS</u>	11 and 12 from the current
202X	and Digital Transmission				ANSI C63.10-2020 Issue 3 and
Learn mo	ore System Wireless Devices				provide targeted guidance for
					compliance testing of
					unlicensed DTS and UNII
					transmitters.

C63.10-DTS-UNII 202X American National Standard of Procedures for Compliance Testing of Unlicensed UNII and Digital Transmission System Wireless Devices

Contact: Chamberlain, David (Working Group Chair)

Scope: The standard will take sections 11 and 12 from the current ANSI C63.10-2020 Issue 3 and provide targeted guidance

for compliance testing of unlicensed DTS and UNII transmitters.

Status: New project. Draft is being written.

Purchase: This standard is not yet complete and not available for purchase. (changes implemented 5/6/2025)

5. Old Business: Chair

5.1 Written reports - Written reports of this Subcommittee meeting shall be presented by the Subcommittee Chair at the Main Committee meeting. These reports shall be made using either the C63
PowerPoint template wide. Prior to the Main Committee meeting, the SC report
and approved previous SC meeting minutes shall be provided to the projectionist for showing on the screen at the Main meeting. The Presentation and any written report shall also be sent by the Subcommittee Chair to the ASC-
C63
Newsletter editor
Newsletter editor

WG Reports:

C63.10 - Josh Gordon & Grace Lin were approved for membership. Al-78: Jerry to add <u>Josh Gordon</u> and <u>Grace</u> <u>Lin</u> to the C63.10 and C63.10.DTS.UNII Working Groups - a <u>report</u> was shown

C63.10.DTS.UNII - AI-79: Jerry to implement the same roster in C63.10.DTS.UNII as in C63.10

C63.26 - a report was shown

C63.29 - a report was shown

C63.30 -

C63.31 - cannot be published before C63.4

Massive MIMO Study - MIMO White Paper is posted. Delete roster?

- **5.2** Coordination with SC2 for definitions Before any Working Group draft can be submitted to Subcommittee for approval, the document must be provided to the SC2 Chair for evaluation and coordination of the definitions used.
- **5.2** Coordination with SC3 for harmonization Are there any documents that need to be brought to SC3 for harmonization? WG chairs to provide input:

6. New Business: Chair

- 6.1 New work items? open discussion for SC4 Chair
- 6.2 Review of open Interpretation Requests Chair Open SC4 Interpretation Requests:

Date	Requestor	e-mail address	Project name	SC#	Rec by Sec	Sent to SC	Back fm SC
6/27/2024	Mike Antola	Michael.Antola@ul.com	C63.10_2013&2020_Cl 11.12.2.5.2.3 Avg w/ <vbw< td=""><td>SC4</td><td>6/27/2024</td><td>6/27/2024</td><td>open</td></vbw<>	SC4	6/27/2024	6/27/2024	open
7/31/2024	David Zimmerman	dzimmerman@spectrumemc.com	C63.4-2014, Clause 10.2.7 special software	SC1	7/31/2024	7/31/2024	10/4/2024
11/6/2024	Mark Briggs	Mark.Briggs@ul.com	C63.26-2015 Annex I measurement bandwidth	SC4	11/6/2024	11/6/2024	open

<u>C63.10 2013&2020 CI 11.12.2.5.2.3 Avg w/ <VBW</u> - addressed by the Subcommittee - The Request was reviewed. Victor moved to accept the Interpretation, seconded by Bob DeLisi. Any opposition (none) The Interpretation was approved. AI-80: Jerry to send <u>completed C63.10 Interpretation</u> to Nick for presentation at the Main meeting.

<u>C63.26-2015 Annex I measurement bandwidth</u> - addressed by the Subcommittee - The Request was reviewed. David Chamberlain moved, seconded by Bob DeLisi, to approved the Interpretation. Any opposition (none) The Interpretation was approved. <u>AI-81:</u> Jerry to send <u>completed C63.26 Interpretation</u> to Nick for presentation at the Main meeting.

6.3 - Review Scope, Duties and Membership - Chair - (Spring meeting only)

Scope

Subcommittee 4 is responsible for writing and maintaining existing and proposed C63® standards for wireless and ISM devices (e.g.lighting, wireless power transfer, Industrial and dielectric heaters, and similar equipment), as assigned by the Main Committee ANSC-C63®.

Duties

C63.10 -

C63.10.DTS.UNII

C63.26 -

C63.29 -

C63.30 -

C63.31 -

Subcommittee 4 Membership Roster

Name	Role in SC	Affiliation
Abbondante, Nicholas	Chair	Intertek (Primary Rep)
Antola, Michael	Member	UL LLC (Alternate Rep)
Case, David	Member	TIMCO Engineering Inc., an IIA Company (Expert)
Chamberlain, David	Member	ISED Canada (Primary)
Chen, Zhong	Member	ETS-Lindgren (Primary)
Coder, Jason	Member	NIST (Primary)
DeLisi, Bob	Member	UL LLC (Primary)
Elliott, William (Mac)	Member	TÜV SÜD America, Inc. (Primary)
<u>Friden, Jonas</u>	Member	Ericsson AB (Expert)
Graff, William	Member	TCB Council, Inc. (Primary)
Heckrotte, Mike	Member	UL LLC (Expert)
Hodes, Harry	Member	Consultant (Individual)
<u>Hoolihan, Dan</u>	Member	Hoolihan EMC Consulting (Individual)
House, Jody	Member	Element Materials Technology (Alternate)
Kiemel, Greg	Member	Apple Inc. (Primary)
Klinger, Jeff	Member	Individual
Kramer, Doug	Member	Apple Inc. (Expert)
Lee, Edmund	Member	Apple Inc. (Expert)
Mahn, Terry	Member	Fish & Richardson P.C.
Mendoza, Ernesto	Member	Signify
Molaei, Nima	Member	Element Materials Technology (Primary Rep)
Nixon, Jason	Vice Chair	ISED Canada (Expert)
Pino, Dan	Member	Element Materials Technology (Technical Expert)
Royer, Tim	Member	TIMCO Engineering Inc., an IIA Company (Primary)
Salem, Pelin	Member	Cisco Systems, Inc. (Technical Expert)
Shumakov, Denys	Member	ISED Canada (Expert)
Skoglund, Kenth	Member	Ericsson AB (Primary)
Surve, Soham	Member	Amazon Lab 126
Zerman, Kendall	Member	Sony
Zimmerman, Dave	Member	Spectrum EMC, LLC (Individual)

Bob DeLisi moved to <u>approve</u> the <u>Scope, Duties and Roster</u>. Seconded by Bill Graff. No discussion. No opposition. The motion <u>carried</u>.

- **7.** C63.org website use and updates: Secretary We normally post documents to the SC4 protected area. If any SC or WG needs help with this posting, a Technical Secretary is available to assist.
- 8. Review of the Action Items: Secretary
- **8.1 Review of Action Items from this meeting:** (read Action Items to Members, who must agree that they understand their meaning)
- **8.2 Review of Action Items from previous meeting:** Consolidated Action Item table from the previous meeting Minutes is shown below:

Consolidated Action Items from 10/03/24 Meeting of SC4

Action Item #	Subject	Responsible Person(s)	Status	Delivery Date	Comments
AI-69:	Nick to call a meeting of interested persons to produce this <u>Unified</u> <u>Methods outline</u> . (David C, Andy G, N. Abbondante, H. Hodes, R. Long, B. DeLisi)	N. Abbondante D. Chamberlain Andy Griffin Harry Hodes Randy Long Bob DeLisi	Closed	Next meeting	Next step is to generate a PINS Methods must be addressed in SC1
AI-70:	Nick to assemble discussion group with Popovici, Nick, Bob D, T. Thul, C. Beattie to develop a C63.30 PINS	N. Abbondante H. Popovici Bob DeLisi Travis Thul Chad Beattie	Closed	Next meeting	Need a Chair
AI-71:	Jerry to add Soham to the SC4 roster & Webex invitation list.	Jerry Ramie	Closed	Next meeting	Added 10/15
AI-72:	Jerry to add Kendall to the SC4 roster & C63.10 invitation list	Jerry Ramie	Closed	Next meeting	Added 10/15
AI-73:	David Chamberlain to migrate <u>C63.10.DTS.UNII Pins SC4 final</u> text into new PINS form	D. Chamberlain	Closed	Next meeting	"final" PINS linked
AI-74:	Ernesto to draft a "call for experts" for C63.29 stating what expertise is needed. Provide this text to Jerry to circulate in SC4 and the Main.	Ernesto Mendoza	Closed	Next meeting	
AI-75:	Mac Elliott to draft a re-affirmation PINS for the existing version of C63.26	W. Elliott	Closed	Next meeting	Ballot closes 5/24

- 9. Time and place of next meeting: Chair Week of Oct. 5 West Coast
- **10. Closing remarks and Adjournment:** Chair Thanks for your participation and discussion. The meeting was adjourned at 2:54PM-EDT.

Consolidated Action Items from 5/6/25 Meeting of SC4

Action Item #	Subject	Responsible Person(s)	Status	Delivery Date	Comments
AI-76:	Jerry to remove Mr. Mahn from all rosters	Jerry Ramie	Closed	Next meeting	Removed 5/6
AI-77:	Jerry to add Mr. Johnson to the SC4 roster and webex invitation list	Jerry Ramie	Closed	Next meeting	Added 5/6

AI-78:	Jerry to add <u>Josh Gordon</u> and <u>Grace Lin</u> to the C63.10 and C63.10.DTS.UNII Working Groups	Jerry Ramie	Closed	Next meeting	Added 5/6
AI-79:	Jerry to implement same roster in C63.10.DTS.UNII as in C63.10	Jerry Ramie	Closed	Next meeting	No one was removed from DTS.UNII; but members added from C63.10
AI-80:	Jerry to send completed C63.10 Interpretation to Nick for presentation at the Main meeting	Jerry Ramie	Closed	Next meeting	Sent 5/6
Al-81:	Jerry to send completed C63.26 Interpretation to Nick for presentation at the Main meeting	Jerry Ramie	Closed	Next meeting	Sent 5/6