

C63[®] American National Standards Committee

C63[®] on Electromagnetic Compatibility

May 8, 2025 – 8:30 AM to 3:30 PM - EDT
TÜV Rheinland of North America Inc.
Boxborough, MA

Chair: [Bob DeLisi](#)

Vice-Chair: [Zhong Chen](#)

Secretary: [Jerry Ramie](#)

Approved Minutes

1. **Call to Order - Chair** - The meeting was called to order at 8:30AM-EDT.

1.1. Introductions (roll call) - Secretary (Revised: 02/03/2025) ([Absent](#))([Errors](#))

MEMBER	PRIMARY	ALTERNATE
A2LA (American Assoc. for Laboratory Accreditation)	McConnell, Megan	Miller, Rob
ACIL (American Council of Independent Laboratories)	Reitz, Richard	Koster, Steven
ANAB (ANSI National Accreditation Board)	Long, Randy	Quan, Ross
Apple, Inc.	Kiemel, Greg	Cuevas, Jose
ARRL – The National Assoc. for Amateur Radio	Anderson, Steve	Carlson, Kermit
CISCO Systems	Griffin, Andy	Salem, Pelin
DISA/PEO Spectrum	Channas, Robert	Vacant
Element Materials Technology	Molaei, Nima	Schaefer, David
Elite Electronic Engineering Inc.	Fanning, Craig	Cardenas, Javier
Ericsson AB	Skoglund, Kenth	Bria, Aurelian
ETS – Lindgren	Chen, Zhong	Vacant
Federal Communications Commission	Tarditi, Alfonso	Rison, Justin
Food and Drug Administration	Vacant	Vacant
Google, LLC	Wong, Warwick	He, George
IEEE – EMC Society	Norgard, John	Benitez, Henry
Information Technology Industry Council	Hirvela, John	Barrett, Stephanie
Innovation, Science & Economic Development Canada	Chamberlain, David	Popovici, Horia
Intertek	Abbondante, Nick	Vacant
Keysight Technologies	Potts, Nate	Vacant
Motorola Solutions, Inc.	Zakharia, Deanna	Ho, Sze Khian
National Institute of Standards & Technology	Coder, Jason	Vacant
Qualcomm Technologies, Inc.	Forrester, John	White, Andy
Rohde & Schwarz	Rajamani, Vignesh	Patterson, Chuck
TCB Council, Inc.	Graff, William	Harvey, Chris
TIMCO Engineering Inc., an IIA Company	Royer, Tim	Clavier, Bruno
TÜV Rheinland of North America	Mitchell, Robert	Decker, Richard
TÜV SÜD America, Inc.	Elliott, William (Mac)	Sellersgren, Sean
UL LLC	DeLisi, Bob	Michael Antola

Individual Members:		
INDIVIDUAL Member	Hoolihan, Daniel	None
INDIVIDUAL Member	Lichtig, John	None
INDIVIDUAL Member	Schaefer, Werner	None
INDIVIDUAL Member	Zimmerman, Dave	None
INDIVIDUAL Member	Hodes, Harry	None

Observers: Bob Mitchell, Ken Gjerde, Janet O'Neil, Tom Braxton, Art Wall, Grace Lin, Jennifer Santulli, Victor Kuczynski, Henry Benitez, Ernesto Mendoza

Quorum: 27 organizations + 5 individual members = 32 total. A quorum is 50% (rounding up); which is **16** or more members in attendance. **Quorum was achieved** with **17** members attending the meeting. (FDA must provide a representative to be counted as a member. For this meeting the FDA was not counted since they have not yet provided representation)

2. Approval of the Agenda

2.1 Approval of [Agenda](#) - Chair - Mr. Long moved, seconded by Mr. Elliott, to accept the Agenda. No objections. The Agenda was **approved**.

2.2 Presentation of [Patent](#) slides – Chair - The patent slides were shown and no patent issues were raised.

3. [Chairman's Report](#) – Chair - There was a moment of silence for [Steve Berger](#). There was an Action Item to allow DoD personnel to Chair SC2 without paying dues. Dan H, moved, seconded by Andy G, to approve the new SC2 Chair & Vice Chair without dues. (Mr. Channas & Mr. Mendoza) Discussion ensued. The motion was amended by Dan to approve **DoD** as SC2 Chair and Vice Chair **without paying dues**. Andy seconded the amended motion. The **motion carried** by acclamation.

3.1 Review of Membership Guidelines - Members at risk?

Main Committee:

For an Organization or Individual to remain a member of the Main Committee, in-person attendance by the Primary (or Alternate) Representative at Main Committee meetings and voting on procedural votes is required. Failure to attend at least one meeting per year **or** respond to two consecutive remote administrative/procedural votes may place membership at risk. Failure to participate in at least some of the technical document balloting groups indicates a lack of interest in the activities of C63® and may place membership at risk.

MEMBER	20240517	20241004
A2LA (American Assoc. for Laboratory Accreditation)	McConnell, Megan	
ACIL (American Council of Independent Laboratories)	Cardenas, Javier	Koster & Reitz
ANAB (ANSI National Accreditation Board)	Long, Randy	Quan & Long
Apple, Inc.	Kiemel, Greg	Cuevas & Kimmel
ARRL – The National Assoc. for Amateur Radio	Anderson, Steve	Anderson, Steve
CISCO Systems		Salem & Griffin
DISA/PEO Spectrum	Shellman & Duncanson	Shellman
Element Materials Technology	Molaei & Schaefer	Molaei, Nima
Elite Electronic Engineering Inc.	Cardenas & Fanning	Cardenas & Fanning

Ericsson AB	Skoglund, Kenth	Bria, Aurelian
ETS – Lindgren	Chen, Zhong	Chen, Zhong
Federal Communications Commission	Tarditi, Alfonso	Tarditi, Alfonso
Food and Drug Administration	Silberberg, Jeffrey	Silberberg, Jeffrey
Google, LLC	He, George	
IEEE – EMC Society	Benitez & Norgard	Benitez & Norgard
Information Technology Industry Council	Hirvela, John	Hirvela, John
Innovation, Science & Economic Development Canada	Popovici & Nixon	Popovici & Nixon
Intertek	Abbondante, Nick	Abbondante, Nick
Keysight Technologies	Potts, Nate	Potts, Nate
Motorola Solutions, Inc.	Ho & Zakharia	Ho & Zakharia
National Institute of Standards & Technology	Coder, Jason	Coder, Jason
Qualcomm Technologies, Inc.	White, Andy	
Rohde & Schwarz	Rajamani & Payne	Rajamani, Vignesh
TCB Council, Inc.	Graff, William	Harvey & Graff
TIMCO Engineering Inc., an IIA Company		Royer, Tim
TÜV Rheinland of North America		Mitchell, Robert
TÜV SÜD America, Inc.	Elliott, William	Elliott, William
UL LLC	DeLisi, Bob	Antola & DeLisi
Individual Members:		
INDIVIDUAL Member (Hoolihan)		Hoolihan, Daniel
INDIVIDUAL Member (Lichtig)		
INDIVIDUAL Member (Werner Schaefer)		
INDIVIDUAL Member (Zimmerman)		Zimmerman, Dave
INDIVIDUAL Member (Hodes)	Hodes, Harry	Hodes, Harry

Members at risk? **None** are at risk. J. Lichtig and W. Schaefer participated in two consecutive votes

4. Secretary's Report – Secretary

4.1 Approval of the Minutes of the last Meeting ([20241004 Main Mins 3.doc](#)) Mr. Long moved, seconded by Mr. Graff to approve the previous Minutes. Any objections? The previous minutes were approved by acclamation. ([Approved Previous Minutes](#))

4.2 Interpretations received, circulated or posted - ([Electronic motions 2025 2Q](#))

Date	Interpretations received, circulated or posted	Source	Result	Comments
10/20/2023	Received C63.4-2014 Gaps in ground plane request	C. Wang	sent to SC1	open
12/15/2023	Received C63.4-2014 Annex F insulating ground plane	B. Hobbs	sent to SC1	open
6/27/2024	Received C63.10-2013&2020 Cl 11.12.2.5.2.3 Avg w/ <VBW	M. Antola	sent to SC4	open
7/31/2024	Received C63.4-2014, Clause 10.2.7 special software	Zimmerman	Posted 7/6	Response approved in SC1
11/6/2024	Received C63.26-2015 Annex I Fig. 1.1 - meas. bandwidth	M. Briggs	sent to SC4	open

4.3 Open Interpretation requests - ([Interpretations Log 20241106](#)) Open are in **red**:

Date	Requestor	e-mail address	Project name	SC #	Rec by Sec	Sent to SC	Back fm SC
10/20/2023	Charles Wang	charles@champrotek.com	C63.4 (2014) 20231020_Gaps_in_ground_plane	SC1	10/20/2023	10/20/2023	open
12/13/2023	Brandon Hobbs	thesmartone057@gmail.com	C63.4 (2014) Annex F Insulating Ground Plane	SC1	12/13/2023	12/15/2023	open
6/27/2024	Mike Antola	Michael.Antola@ul.com	C63.10_2013&2020 Cl 11.12.2.5.2.3 Avg w/ <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

4.4 Electronic Motions since last meeting - ([Electronic motions 2025 2Q](#))

Date	Main Committee motion or action	Source	Result	Comments
11/13/2024	Hoolihan moved to approve R. Channas as new SC2 Chair	B. DeLisi	Seconded by	A. Griffin on 11/13 for 2 weeks
11/18/2024	C63.10a-2020 had errata in reference 12.5.1	B. DeLisi	C63.10a Amd1	Corrected ref. w/ Amendment 1
11/22/2024	C63.10a-2020 errata is posted on IEEE website	B. DeLisi	Posted 11/22	
1/6/2025	Hoolihan moved to approve S. Berger as Member Emeritus	B. DeLisi	Asked 2nd 1/6	Asked amc63 for a Second
1/6/2025	S. Berger nomination seconded by R. Hofmann/2 weeks disc.	HR Hofmann	ends COB 1/20	2 week voting will then begin
1/9/2025	Hoolihan moved to approve J. Silberberg as Member Emeritus	B. DeLisi	Asked 2nd 1/9	Asked amc63 for a Second
1/10/2025	Silberberg nomination seconded by C. Fanning / 2 weeks disc.	C. Fanning	ends COB 1/24	2 week voting will then begin
1/23/2025	Removed J. Klinger from Main Committee roster	B. DeLisi	removed 1/23	from Main roster only
1/23/2025	Voting on C63.26 Reaffirmation PINS began at Main Comm.	B. DeLisi	ended 1/30	Yes=24; No=0; Abs=0 (passed)
2/3/2025	Vote tally on Berger/Silberberg as Members Emeritus sent	J. Ramie	ended 1/31	Yes=25; No=0; Abs=2 (passed)

4.5 Membership Changes since last meeting - ([Electronic motions 2025 2Q](#))

Date	Membership changes (Main & SCs)	Source	Result	Comments
9/22/2024	Added Soham Surve & Brandon Hobbs to SC1 & C63.4 rosters	J. O'Neil	added 9/23	to Pub, Priv, SC1 & C63.4 rosters
10/1/2024	Added D. Shumakov to C63.4 roster & Webex	A. Griffin	added 10/1	to C63.4 roster
11/12/2024	Removed M. Arthurs from SC1 & SC4 rosters & WGs	M. Arthurs	removed 11/12	from SC1, C63.4, SC4, C63.26
12/17/2024	Added Omar Al-Kalaa (NIST) as SC7 Vice Chair	B. DeLisi	added 12/17	to SC7 roster and officer's page
1/3/2025	Removed J. Silberberg from all rosters	J. Silberberg	removed 1/3	from Main, SC8, pub & priv. rosters
1/7/2025	Removed R. Bowman from C63.4 roster	R. Paxman	removed 1/7	from C63.4 roster
1/7/2025	Added K. Zerman to C63.4 roster & Webex	J. Ramie	added 1/7	to C63.4 roster
1/8/2025	Added R. Channas to SC2 roster page (Chair)	B. DeLisi	added 1/8	to Main, Pub, Priv, Off & SC2 roster
1/14/2025	Removed B. Fagley, added R. Decker as TUV Rhein. Alternate	R. Mitchell	changed 1/14	to Main, Public & Private rosters
1/17/2025	Removed J. Nixon, replace w/ D. Chamberlain as ISED Primary	J. Nixon	replaced 1/17	on Main, Public & Private rosters
2/3/2025	Added J. Silberberg as Member Emeritus (S. Berger died)	J. Ramie	added 2/3	to Main, Public & Private rosters
2/13/2025	Removed R. Jancovics from SC7 rosters	J. Evans	removed 4/15	from SC2 and C63.27 rosters
3/13/2025	Added D. Shumakov to SC7 roster	J. Evans	added 3/13	to SC7 roster
3/20/2025	Added P. Mendoza to SC2 roster as Vice Chair	R. Channas	added 3/20	to SC2, Main, Pub & Priv rosters
3/24/2025	Added P. Mendoza to Officer's roster as Vice Chair	R. Channas	added 3/24	to Officer's roster
4/4/2025	Added M. Ferrer to C63.29 roster & Webex invitation list	J. Ramie	added 4/4	to C63.29 roster only
4/9/2025	Added R. Channas to SC3 roster & removed M. Shellman	J. Ramie	changed 4/9	on SC3 roster only
4/29/2025	Changed T. Rigolage affiliation to FCC (no longer @ Element)	T. Rigolage	changed 4/29	on C63.19 roster only

5. [Secretariat Report](#) – IEEE – Jennifer Santulli

5.1 - Status of C63® published standards

5.1.1 Fourth Anniversary standards

5.1.2 Eight-years or older standards

Covered by the Secretariat Report. See Secretariat report for details

5.2 – Status of PINS and PINS-C ([currently posted list](#))

6. **Subcommittee reports** (Brief written reports to include actions needed by C63®, and items of particular interest during SC meetings). **Note:** A short report from each Subcommittee using either the [C63 PowerPoint template](#) or the [C63 PowerPoint template wide](#). (no password required) **NOTE – EACH COMMITTEE REPORT WILL BE LIMITED TO A MAXIMUM OF 15 MINUTES.**

6.1. [SC1: Measurement and Instrumentation - SC1 Chair \(Griffin\)](#)

Andy moved to accept the **modified** Scope of SC1, Duties & Membership; no discussion, no opposition. The modified Scope, Duties and Membership roster was **accepted**. Jerry sent an order to modify the SC1 Scope statement on the website 5/9/2025.

Andy moved to approve the **C63.2.2 PINS** (LISNs & voltage probes), no second required. No discussion; no opposition, no abstentions. The **new PINS will be sent to Jennifer**. Nick pointed out that different results are obtained with different LISNs which are all calibrated.

Andy moved to approve the **C63.2.3 PINS** (antennas) no second required, discussion ensued: Nick pointed out that there were nine tables that need simplification; no opposition, no abstentions. The **new PINS will be sent to Jennifer**.

Andy showed the draft [Charles Wang Gaps in Ground Plane Interpretation response](#); no vote was called. The **response will be sent to Jerry** for posting.

6.2. [SC2: Definitions – SC2 Chair \(Channas\)](#) The Scope, Duties and Membership were shown. The new SC8 Chair (David Schaefer) was added to the roster. [Randy Long](#)

moved, seconded by Craig Fanning to accept the Scope, Duties and Roster. The motion carried. There was a call for volunteers for C63.14, which has an approved C63.14 PINS.

- 6.3. **SC3: International Standardization – SC3 Chair (Mendoza)** Ernesto showed the SC3 report. Membership, Duties, meeting highlights and Scope were shown. Ernesto moved to approved the Scope, Duties and Membership. No second required. No comments, no discussion, no opposition. The motion carried.
***** Break *****

- 6.4. **SC4: Wireless and ISM Equipment Measurements - (Abbondante)** The Duties, Scope and Roster of SC4 were shown. Nick moved to accept them. No second required, no opposition. The motion carried.

There was discussion of contacting ETSI and establishing liaisons with their various groups and becoming an I-member.

The Antola draft Interpretation response was shown. Nick moved to accept the Antola Interpretation response. No comments. Any call for a vote? The motion carried.

Nick moved to accept the draft Briggs Interpretation response. No comments, no discussion, no call for a vote. The motion carried.

Nick showed a new PINS for WPT C63.30 work. No objections, no discussion. He moved to accept the C63.30 PINS. The motion carried.

- 6.5. **SC5: Immunity testing – SC5 Chair (Braxton)** The SC5 Scope, Duties and Roster were shown. Tom B. moved to accept the SC5 Scope, Duties and Roster. There was discussion of C63.15 reaffirmation, a small working group is being assembled. No second required. No discussion, no comments, no opposition. The motion carried.

- 6.6. **SC6: Laboratory Accreditation – SC6 Chair (Kramer)** Randy showed a report with the Scope, Duties and roster. Randy moved to approve the Scope, Duties and roster of SC6. No discussion, no opposition. The motion carried. He reported on accreditation bodies. C63.34 was discussed.

- 6.7. **SC7: Spectrum Etiquette – SC7 Chair (Coder)** Bob DeLisi showed the SC7 report. Omar Al-Kaala left FDA but is considering individual membership in SC7. A summary of activity on their Standards was shown.

A new PINS was approved for Transmit Power Control. Jason moved to accept the Scope, Duties and Roster of SC7. No second required. No comments, no opposition, no abstentions. The motion carried. The draft PINS for C63.36.TPC was shown. ISED and FCC were encouraged by this effort since no test method is available. Bob moved to accept the TPC PINS. Discussion ensued. Nick brought up using this Standard number for C63 history. (under C63.36). Dan H. noted that each of our Standards already have their history in the front matter. Consensus was to use the numbering for this standard. The motion carried. The TPC PINS will be provided to Jennifer at the IEEE.

- 6.8. **SC8: Medical Equipment Testing – SC8 Chair (D. Schaefer)** David Schaefer (the new Chair) showed the modified Scope, Duties and roster. David moved to approve the Membership, **modified** Scope and Duties of SC8. No comments, no discussion, no opposition, no abstentions. The motion carried. Meeting highlights were shown. Jerry sent an order to modify the SC8 Scope statement on the website 5/9/2025.

7. New Business

- 7.1. **Storage of our records** – the Chair noted that we need to do a better job of storing records. After recent events in SC8 with the passing of the SC8 Chair, some records from SC8 could not be found. Bob asked each SC Secretary to have the records sent to Jerry for posting to the FTP site. Randy reported similar issues in another group in which he participates, so they duplicated files onto One Drive.

(read/write or read-only permissions are available for users) Vignesh suggested we use [Box.com](#) cloud storage for our files. Ernesto noted that IEEE members have access to cloud storage from the [IEEE](#). David noted that [Google Drive](#) was not available to DoD or FDA. [Microsoft](#) also offers cloud storage. [AI-123](#): Bob will look into these various cloud storage services. [AI-124](#): Bob & Jerry to place links to the duties on the SC landing pages. [AI-125](#): Bob will meet with Nick to acquire his past records.

- 7.2. FCC & ISED reports** - Janet asked about these at the Main Committee. [AI-126](#): Bob to reach out to FCC and ISED primary members and ask that they provide a short report on activities related to C63 to the Main Committee.

8. Other Administrative Matters

8.1. Web Page – Ramie

8.1.1 The [Generic Agendas for Subcommittees](#) include a review of the Membership roster, a Quorum check, review of Membership Guidelines, Attendance Log and Members at Risk at each meeting. Spring meeting requires approval of the SC Membership. At each Spring meeting, a review is conducted for all PINS content, the Status Matrix text and the "Learn more" text for each Standard covered by that SC.

- 8.2. Administrative matters from the Steering Committee** – We would like to obtain as many SC8 records as possible. Bob will contact the past SC8 Chair's son to see if it's possible for Dan H. to visit S. Berger's home and look through any paper records. Bob has asked S. Berger's son if he could send any electronic records that he can find.

9. Other Business

- 9.1 Future Seminars and Workshops** – RTP, NC (before the symposium) Aug 15 & 16 before the symposium. Flyer and sign-up sheet will be provided for posting.
- 9.2 Newsletter report – Chair** – SC chairs to send summary of activities to the Editor.
- 9.3 Next meeting – Chair** - [Week of October 5, 2025 @ West Coast](#) There was discussion of adding Working Group meetings during the Main meeting week.

10. Old Business

- 10.1 Action item review on items not covered elsewhere on Agenda** – (as time permits) - **Secretary**

Consolidated Action Items from Main Committee Meeting 10/04/24¹

Action Item #	Subject	Responsible Person	Status	Delivery Date	Comments
AI-115 :	Jerry to place a link to the two PPT templates on the site on the Standards Development page	Jerry Ramie	Closed	Next meeting	
AI-116 :	Jerry to post the Definitions Process document on the SC2 landing page	Jerry Ramie	Open	Next meeting	Note sent to Shannon 2/7; again 5/7
AI-117 :	Horia to generate a PINS for C63.30 Ed2	Horia Popovici	Closed	Next meeting	Supplied 3/24
AI-118 :	Jerry to contact C63.10 Ed.4 & Main & SC4 members and ask for participants in C63.10.DTS.UNII Working Group.	Jerry Ramie	Closed	Next meeting	(sent 10/7)
AI-119 :	Bob to bring this Test Methods Standard motion to SC1	Bob DeLisi	Closed	Next meeting	
AI-120 :	Tom & Ernesto to meet by Webex to discuss immunity testing for lighting	Tom Braxton E. Mendoza Jerry Ramie	Closed	Next meeting	Invite Ernesto to SC5 meeting?

¹ Consolidated (re-numbered) action items are included here for reference, but are not a part of the minutes.

AI-121:	Jerry to remove S. Berger from all rosters and Bob will be listed as interim Chair of SC8	Jerry Ramie	Closed	Next meeting	Member Emeritus?
AI-122:	All SC chairs to send a summary of their activities to the newsletter Editor	All SC chairs	Open	Next meeting	

11. Adjournment - Chair - The Chair thanked the attendees for their participation and adjourned the meeting at 12:12PM-EDT.

***** **End of Meeting** *****

Consolidated Action Items from Main Committee Meeting 5/8/25²

Action Item #	Subject	Responsible Person	Status	Delivery Date	Comments
AI-116:	Jerry to post the Definitions Process document on the SC2 landing page	Jerry Ramie	Open	Next meeting	Note sent to Shannon 2/7; again on 5/7
AI-122:	All SC chairs to send a summary of their activities to the newsletter Editor	All SC chairs	Open	Next meeting	
AI-123:	Bob will look into these various cloud storage services.	Bob DeLisi	Open	Next meeting	
AI-124:	Bob & Jerry to place links to the duties on the SC landing pages.	Bob DeLisi Jerry Ramie	Closed	Next meeting	Duties sent to Shannon 5/9/25 for posting
AI-125:	Bob will meet with Nick to acquire his past records	Bob DeLisi	Open	Next meeting	
AI-126:	Bob to inquire about adding an Agenda item for FCC & ISSED reports to the Main Committee agenda	Bob DeLisi	Open	Next meeting	

Attachments from Main Committee Meeting 5/8/25^[1]

Item	Description	URL
2.1	Draft agenda	https://www.c63.org/documents/misc/minutes/2025_May/20250508_Main_Agenda_5.doc
2.2	Patent slides	http://www.c63.org/documents/misc/patents/C63_Patent_Call_slideset_final_1.pdf
3.0	Chairman's Report	https://www.c63.org/documents/misc/minutes/2025_May/C63_Main%20Committee%20-%20Chairman's%20Report%20May%202025.pptx
4.1	Approved prev. Minutes	https://www.c63.org/documents/misc/minutes/2025_May/20241004_Approved_Main_Mins.pdf
4.2	Electronic motions log	https://www.c63.org/documents/misc/minutes/2025_May/Electronic_motions_2025_2Q.xls
4.3	Interpretation log	https://www.c63.org/documents/misc/minutes/2025_May/Interpretations_log_20241106.xls
4.4	Electronic motions log	https://www.c63.org/documents/misc/minutes/2025_May/Electronic_motions_2025_2Q.xls
5.0	Secretariat Report	https://www.c63.org/documents/misc/minutes/2025_May/Secretariat%20report%20May%202025.ppt
5.2	Status of PINS & PINS-C	https://www.c63.org/documents/misc/matrix/c63_standards.htm
6.0	Slide Template (4:3)	http://www.c63.org/documents/misc/temp/C63_PowerPoint_template.ppt
6.0	Slide Template (16:9)	http://www.c63.org/documents/misc/temp/C63_PowerPoint_template_wide.ppt
6.1	SC1 Report	https://www.c63.org/documents/misc/minutes/2025_May/SC1%20report%20to%20main_may25.ppt
6.1	C63.2.2 PINS	https://www.c63.org/documents/misc/minutes/2025_May/PINS_C63.2.2%20(2025-05-06).docx
6.1	C63.2.3 PINS	https://www.c63.org/documents/misc/minutes/2025_May/PINS_C63.2.3%20(2025-05-06).docx
6.1	C63.4 Interp. response	https://www.c63.org/documents/misc/minutes/2025_May/20231020_C63_4_2014_Gaps_in_ground_plane.doc
6.2	SC2 Report	https://www.c63.org/documents/misc/minutes/2025_May/SC2%2020250508_C63_SC2_report.pptx
6.2	C63.14 PINS	https://www.c63.org/documents/misc/pins/PINS_C63_14_20XX_20250412.pdf
6.3	SC3 Report	https://www.c63.org/documents/misc/minutes/2025_May/SC3%20Report_May2025.ppt
6.4	SC4 Report	https://www.c63.org/documents/misc/minutes/2025_May/SC4%20Main%20Committee%20Report%20-%20SC4%202025-05-08.pptx
6.4	C63.10 Interp. response	https://www.c63.org/documents/misc/minutes/2025_May/C63.10_2013_2020_Clause%2011.12.2.5.2.3%20Average%20measurements%20with%20reduced%20VBW.doc
6.4	C63.26 Interp. response	https://www.c63.org/documents/misc/minutes/2025_May/ANSI%20C63.26-2015%20Annex%20I%20interpretation_request_form_DC_NNA.docx
6.4	C63.30 WPT PINS	https://www.c63.org/documents/misc/minutes/2025_May/PINS%20C63.30%20ed.2.docx
6.5	SC5 Report	https://www.c63.org/documents/misc/minutes/2025_May/SC5%20C63%20SC5%20Committee%20Report%20May%208

² Consolidated (re-numbered) action items are included here for reference, but are not a part of the minutes.

		%202025.ppt
6.6	SC6 Report	https://www.c63.org/documents/misc/minutes/2025_May/SC6%2020250508%20SC6%20report%20to%20Main%20Committee.pptx
6.7	SC7 Report	https://www.c63.org/documents/misc/minutes/2025_May/SC7%20Main%20Committee%20Report%20-%20Spring%202025.ppt
6.7	TPC PINS	https://www.c63.org/documents/misc/minutes/2025_May/C63%20TPC%20PINS.docx
6.8	SC8 Report	https://www.c63.org/documents/misc/minutes/2025_May/SC8%20Main%20Committee%20Report%20May%202025.ppt