



**Accredited Standards Committee C63<sup>®</sup>**  
**Electromagnetic Compatibility**  
[Subcommittee 3](#) - International Standardization

Chair: [Heirman, Don](#)  
 Vice Chair: [Schaefer, Werner](#)  
 Secretary: [Ramie, Jerry](#) (non-voting)  
 August 21, 2017 – 1:30 to 3:30 PM-EDT  
 Approved Minutes

1. **Call to Order - Chair** The meeting was called to order at 1:31PM-EDT
  - 1.1 **Opening remarks and Announcements - Chair** - We work in comparing International standards with ASC-C63<sup>®</sup> standards on the same or similar topics. We will review Action Items today.
  - 1.2 **Meeting logistics announcements - Host**
  - 1.3 **Introductions (roll call) - Secretary** - The attendees were Jerry Ramie, Don Heirman, Ernesto Mendoza, Horia Popovici, Mike Cibulka, Jeff Klinger, Nate Potts, Vladimir Bazhanov, Andy Griffin, Craig Fanning,
2. **Approval of the [Agenda](#) - Chair** - The agenda was approved by acclamation.
3. **Presentation of [patent slides](#) - Secretary** - The patent slides were shown and all agreed to abide by their terms.
4. **Approval of [previous minutes from 5/10/17](#) - Secretary** - The previous minutes with minor changes were [approved](#) by acclamation. Credentials are required for access to the [SC3 private area](#):
5. **Review of [Subcommittee Membership](#) - Chair** - New members were added. (Hodes, Klinger, Popovici, and Samoto) The current SC3 roster from our website is shown:

**Subcommittee 3 Membership Roster** (as of 8/21/17)

| Name                              | Role within Subcommittee 3  | Affiliation                                     |
|-----------------------------------|---|---|
| <a href="#">Berger, Stephen</a>   | Chair Subcommittee 8  | TEM Consulting                                  |
| <a href="#">Chen, Zhong</a>       | Chair Subcommittee 1  | ETS-Lindgren                                    |
| <a href="#">Vladimir Bazhanov</a> | Chair Subcommittee 7  | Ericsson AB                                     |
| <a href="#">Griffin, Andy</a>     | Member<br>CISPR/H Technical Advisor   | CISCO Systems                                   |
| <a href="#">Hare, Ed</a>          | Chair Subcommittee 5  | ARRL  |
| <a href="#">Heirman, Don</a>      | Chair Subcommittee 3; Past<br>Chair CISPR;<br>CISPR/A Deputy Technical<br>Advisor | Don HEIRMAN Consultants                         |
| <a href="#">Hodes, Harry</a>      | Member  | Bay Area Compliance Laboratories Corp.          |
| <a href="#">Hoolihan, Dan</a>     | Chair C63 <sup>®</sup>  | Hoolihan EMC Consulting                         |
| <a href="#">Klinger, Jeff</a>     | Member  | Compatible Electronics                          |
| <a href="#">Long, Randy</a>       | Chair Subcommittee 6  | ANSI-ASQ National Accreditation Board dba L-A-B |
| <a href="#">Popovici, Horia</a>   | Member  | Innovation, Science and Economic                |

|                                     |   |                                    |
|-------------------------------------|---|------------------------------------|
|                                     |   | Development Canada                 |
| <a href="#">Potts, Nate</a>         | Member  | Liberty Labs                       |
| <a href="#">Samoto, Mits</a>        | Member  | Liberty Labs Asia                  |
| <a href="#">Schaefer, Werner</a>    | Member, Vice Chair of Subcommittee 3<br>CISPR/A Technical Advisor | Schaefer Associates                |
| <a href="#">Dilay, Chris</a>        | Chair Subcommittee 2  | DOD – SPAWAR                       |
| <a href="#">Whitesell, Steve</a>    | Member  | Whitesell Consulting               |
| <a href="#">Wall, Art</a>           | Chair Subcommittee 4  | Radio Regulatory Consultants / TCB |
| <b>Non-Voting Members</b>           |   |                                    |
| <a href="#">Arnett, Dave</a>        | Liaison Member<br>CISPR/I Technical Advisor                       | HP                                 |
| <a href="#">Fanning, Craig</a>      | Liaison Member<br>CISPR/D Technical Advisor                       | Elite Electronic Engineering       |
| <a href="#">Hofmann, H.R. (Bob)</a> | Emeritus Member   | Hofmann EMC Engineering            |
| <a href="#">Mahn, Terry</a>         | Liaison Member<br>CISPR/B Technical Advisor                       | Fish and Richardson                |
| <a href="#">Cibulka, Michael</a>    | Liaison Member<br>TC77 & SC77B Technical Advisor                  | Rockwell Automation                |
| <a href="#">Mendoza, Ernesto</a>    | Liaison Member<br>CISPR/F Technical Advisor                       | Philips Lighting Electronics NA    |

## 5.1. Review of subcommittee membership

### Membership Guidelines for Subcommittees:

There was no review of the membership requirements which are as follows:

*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 one of three 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. **Non-voting members are urged to be present or on webinars but do not have to strictly adhere to the above guidelines that voting members have to follow.***

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

### 5.2 Members at risk? - in red below:

| Full Name          | 4/29/14 | 11/11/14 | 5/5/15 | 11/10/15 | 2/18/16 | 5/10/16 | 9/7/16 | 11/7/16 | 5/10/17 | 11/7/16 |
|--------------------|---------|----------|--------|----------|---------|---------|--------|---------|---------|---------|
| Berger, Stephen    |         |          |        |          |         |         |        |         |         |         |
| Chen, Zhong        |         | x        |        |          |         |         |        |         |         |         |
| Bazhanov, Vladimir |         |          |        |          | x       | x       | x      | x       | x       | x       |
| Griffin, Andy      | x       | x        |        | x        | x       | x       |        | x       |         | x       |
| Hare, Ed           | x       | x        |        | x        |         |         | a      | x       |         |         |
| Heirman, Don       | x       | x        | x      | x        | x       | x       | x      | x       | x       | x       |
| Hodes, Harry       |         |          |        |          |         |         |        | x       | x       | x       |
| Hoolihan, Dan      | x       | x        | x      | x        |         | x       |        |         | x       |         |
| Klinger, Jeff      |         |          |        |          |         |         |        | x       | x       | x       |
| Long, Randy        |         |          | x      | x        |         | x       |        | x       |         | x       |
| Popovici, Horia    |         |          |        |          |         |         |        |         |         |         |
| Potts, Nate        |         | x        |        |          |         | x       |        |         | x       |         |
| Samoto, Mits       |         |          |        |          |         |         |        | x       | x       | x       |
| Schaefer, Werner   |         |          |        |          |         | x       |        |         | x       |         |
| Dilay, Chris       | x       | x        | x      | x        |         | x       |        |         | x       |         |
| Whitesell, Steve   |         | x        | x      | x        |         | x       |        |         |         |         |
| Hare, Ed           |         |          |        |          |         |         |        |         | x       | x       |
| Wall, Art          |         |          |        |          |         |         |        |         | x       |         |
| Arnett, Dave       |         |          |        | x        |         | x       | x      |         |         |         |
| Fanning, Craig     |         |          |        | x        | x       | x       | x      | x       | x       | x       |
| Hofmann, H.R.      |         |          |        |          | x       |         |        |         | x       |         |
| Mahn, Terry        |         |          |        |          | x       |         |        |         |         |         |
| Cibulka, Michael   |         |          |        |          |         | x       |        | x       | x       | x       |
| Mendoza, Ernesto   |         |          |        |          |         |         |        |         | x       |         |

AI-52: Steve Berger, Zhong Chen & Steve Whitesell are to be contacted for being "at risk." (remove Whitesell)

### 5.3 Approval of new SC3 memberships - none

6. Current Status of C63 Standards - Publication status of the above C63 documents to determine the appropriate time to review in more depth their content with that of international equivalents to lead to harmonization where possible.

#### Status of C63 standards with possible input to CISPR/TC77 via US National Committee TAG

| C63 Standard     | Publication status   |
|------------------|--|
| C63.2 (Schaefer) | Published in 2016  |
| C63.4 (Heirman)  | Published in 2014; PINS-C approved for next full revision; extensive work on what will be changed or update underway |
| C63.4a (Heirman) | Publication mid-September  |
| C63.5 (DeLisi)   | 2017 edition published   |
| C63.9 (Griffin)  | 2008 edition; PINS approved, meeting needed to start update  |
| C63.15 (Heirman) | Ready for publication, no negative votes.<br>AI-53: Jerry to contact Sue Vogel re/ status of C63.15.                 |
| C63.23 (DeLisi)  | 2012 edition current--not under revision   |
| C63.24 (Heirman) | New standard (joint task with IEEE 473); 473 met at 2017 EMC Symp; Input from the draft                              |

|                               |  |
|-------------------------------|--|
|                               | of C63.24 on test setups under consideration.. |
| <b>C63.25 (Sigouin)</b>       | New standard under preparation                 |
| <b>C63.26 (Wall)</b>          | 2013 edition; no revision underway             |
| <b>C63.27 (Berger)</b>        | Published in 2017                              |
| <b>Draft C63.28 (Dilay)</b>   | Discuss after publication                      |
| <b>Draft C63.29 (Mendoza)</b> | Discuss after publication                      |
| <b>Draft C63.30 (Thul)</b>    | Discuss after publication                      |
| <b>Draft C63.31 (Walton)</b>  | Discuss after publication                      |

## 7. Review of action items from 5/10/17 meeting

### Consolidated Action Items from 05/10/17 Meeting of SC3

**Note:** All these action items will be discussed at the 21 August webinar

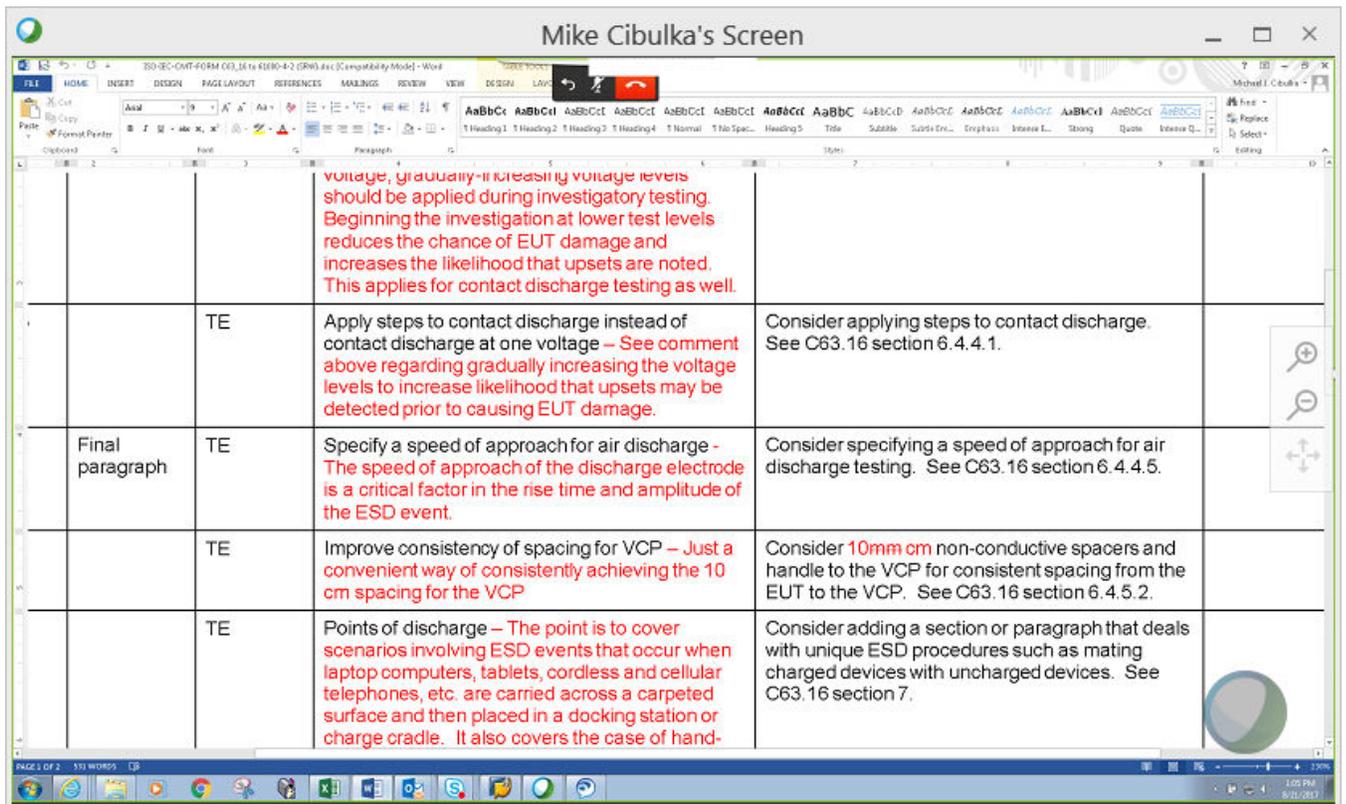
Next meeting will be at the November C63 series of meetings

| AI #   | Task  | Responsible party                      | Due Date     | Status   |
|--------|---|--|--------------|--|
| AI-18: | <p>Review anything that can be moved between C63.4 and CISPR32.</p> <p>Update Tolerance Table in CISPR 32 to take advantage of the work in the C63.4 working group. (Goal is to harmonize the table between C63.4 &amp; CISPR 32)</p> <p>Consider the that EUTs greater than 2 meters in height must have NSA up to the EUT height.</p>   | <p>Dave Arnett<br/>Werner Schaefer</p> | Next meeting | OPEN   |
| AI-20: | <p>Look at modulation in C63.9 with potential for introduction into SC77B through the US National Committee.</p> <p>Meeting planned to be in Sept.</p>  | Andy Griffin                           | Next meeting | <p>OPEN</p> <p>Unique test, possible in 61000-4-3? Modulation is not AM but more varied.</p> |
| AI-21: | <p>Review anything that can be moved between C63.15 and CISPR 35.</p> <p>Still to determine if there is any input from C63.15 that will assist in doing immunity measurements in CISPR 35. The use of information on instrumentation suggestions in C63.15 might be helpful in selecting adequate signal sources for radiated, conducted, ESD, etc.</p> <p>Pre-publication draft of C63.15 provided to Dave by Don.</p> | Dave Arnett                            | Next meeting | OPEN   |
| AI-22: | <p>Develop a proposal for the US TAG for IEC/TC77B on adding new test techniques in C63.16 to update IEC 61000-4-2</p> <p>Provide a list of changes with reasoning. See AI-37 below:<br/>AI-22A: Mike C to provide to a member of US TAG for SC77/B the US comments for consideration by</p>  | <p>Mike Cibulka<br/>Rich Worley</p>    | Next meeting | OPEN   |

|        |  |                 |              |                                  |
|--------|--|-----------------|--------------|----------------------------------|
|        | SC77B MT12. Comments will now include the actual text as the proposed change. Note that the chair of MT12 is George Hedrichs   |                 |              |                                  |
| AI-23: | Prepare for the CISPR-A TAG adding statistical way to compute measurement uncertainty<br><br>Bob should excerpt information from C63.23 on statistical method of finding MU to enter into CISPR 16-4-2.  | Bob DeLisi      | Next meeting | OPEN                             |
| AI-24: | Provide a report on C63.27 at our next meeting (See Action Item AI-45 below)   | Steve Berger    | Next meeting | OPEN                             |
| AI-25: | Review CISPR14-1 & 15 for consideration for use in C63.29<br><br>Ernesto to review what is in CISPR 14-1 and 15 on lighting. Note that the latest edition of 15-1 has a complete test for emissions from LED lighting used to replace incandescent lights in incandescent fixtures.<br><br>Ernesto showed a <a href="#">presentation</a> discussing the differences.<br>AI-54: He will check if older pre-heated fluorescents are still available, test method still needed?   | Ernesto Mendoza | Next meeting | OPEN                             |
| AI-26: | Review CISPR 11, CISPR 14-1 for consideration for use in C63.30.<br><br>Travis to see what is in CISPR 11, 14-1 on WPT for use as reference or in the opposite direction what is in these CISPR documents that can be used in C63.30.<br><br>Horia noted that they're looking at CISPR 11 for WPT with EVs. CISPR 14-1 for IPT. Test site validation is the sticky point.<br>AI-55: Craig to contact SC-D regarding the urgent need for timely work on site validation <30MHz.   | Travis Thul     | Next meeting | OPEN                             |
| AI-27: | Review CISPR 11, 14-1 for consideration for use in C63.31.<br><br>CISPR 11 totally addresses Industrial, Scientific, and Medical device emission tests, both radiated and conducted. Maybe Derek can list what is covered and not covered in CISPR 11 or in C63.31 so it is clear where we are and where the FCC MP-5 can be bolstered with the info from at least CISPR 11 and possibly 14-1 and 14-2 (if anything)<br><br>Horia advocating for C63.4 test methods across all C63 standards for measuring emissions.. | Derek Walton    | Next meeting | OPEN                             |
| AI-36: | Supply note on progress of IEC 61000-4-3. What is happening between 1 & 6GHz?<br>AI-56: Don to pass along to Andy the John Maas presentation on IEC 61000-4-3.<br>AI-57: Andy to generate comparison table to summarize requirements from 1-6GHz. (P1613-JR)   | Andy Griffin    | Next meeting | OPEN                             |
| AI-37: | Submit a document on ESD to the Chair (See AI-22 on similar action)  | Mike Cibulka    | Next meeting | Closed as AI-22 takes precedence |

|        |  |                             |              |                                  |
|--------|--|-----------------------------|--------------|----------------------------------|
| AI-38: | Contribute statistical method of uncertainty to CISPR-16-4-2<br>(See AI-23 on similar action)  | Bob DeLisi                  | Next meeting | Closed as AI-23 takes precedence |
| AI-40: | Change Ed Yandek to Ernesto Mendoza in SC3 roster.   | Jerry Ramie                 |              | CLOSED changed 5/18              |
| AI-41: | Poul Andersen to be removed. SC3 reference to be removed in all cases, Ed Hare to Chair of SC5, Heirman no longer Chair of CISPR, Harry & Dan are members, Jeff Klinger is member, Whitesell to become Member  | Jerry Ramie                 |              | CLOSED changed 5/18              |
| AI-42: | Confirm differences in the requirements of the ground plane for both standards, etc. If both requirements are met, a single antenna calibration can be performed to meet both standards.<br><br>Andy noted that NSA antennas also need calibration. AI-58: Bob to form WG with Andy, Zhong & Nate to identify a single calibration requirement. (For example is that the Std. Site method in ANSI, Section 5?) | Bob DeLisi                  | Next meeting | OPEN                             |
| AI-43: | Send WORD version of IEC 61000-4-2 and C63.16 to Mike Cibulka (no longer needed)   | Ed Hare                     | Next meeting | Closed                           |
| AI-44: | Determine what information in ETSI standards might be helpful in the revision of C63.26. Also, what information in C63.26 might be presented to ETSI.<br>AI-59: Jerry to ensure that Steve is on SC3 webinar invitation list and sees AI-44.<br>AI-60: Steve to be listed as non-voting liaison to SC3 in roster   | Steve Jones                 | Next meeting | OPEN                             |
| AI-45: | Describe the difference between IEC 62657-2 and C63.27 (how they compliment each other)<br>AI-61: Jerry to contact Sure re/ need to acquire the IEC 62657-2 document for committee use.  | Steve Berger                | Next meeting | OPEN                             |
| AI-46: | Confirm that there are no equivalencies of any standard with C63.28  | Chris Dilay                 | Next meeting | OPEN                             |
| AI-47: | Provide differences between CISPR 15 and C63.29  | Ernesto Mendoza             | Next meeting | Closed                           |
| AI-48: | Provide more information on how CISPR-11 does measurements differently than FCC-MP5  | Travis Thul<br>Derek Walton | Next meeting | OPEN                             |
| AI-49: | Sort out any proposal from C63.31 that might be provided for CISPR 11, if any  | Derek Walton                | Next meeting | OPEN                             |
| AI-50: | Send note to all Tech. Advisors emphasizing what we are doing and how they can help  | Don Heirman                 | Next meeting | Closed sent 6/18                 |
| AI-51: | Review content on <a href="#">SC3 landing page</a> , <a href="#">SC3 roster page</a> and <a href="#">Standards Status Matrix</a> .   | All Members                 | Next meeting | OPEN                             |

Mr. Cibulka showed this screen for AI-22:



AI-62: Jerry and Don to update Status of Stds using table in item 6 above.

**8. Review Action Items from today's meeting** - The Action Items from today's meeting were shown and agreed upon.

**9. New Business** - none

**10. Time and place of next meetings – Chair - November — Cedar Park, TX**

**11. Closing remarks and Adjournment - Chair** - The Chair thanked the Members for their contributions. We hope to get many of our Action Items completed before the Fall meeting. The meeting was adjourned at 3:35PM-EDT.

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

**Consolidated Action Items from 08/21/17 Meeting of SC3**

| AI #   | Task  | Responsible party              | Due Date     | Status               |
|--------|---|--------------------------------|--------------|----------------------|
| AI-18: | Review anything that can be moved between C63.4 and CISPR32.<br><br>Update Tolerance Table in CISPR 32 to take advantage of the work in the C63.4 working group. (Goal is to harmonize the table between C63.4 & CISPR 32)<br><br>Consider the that EUTs greater than 2 meters in height must have NSA up to that height. | Dave Arnett<br>Werner Schaefer | Next meeting | OPEN                 |
| AI-20: | Look at modulation in C63.9 with potential for introduction into SC77B through the US National  | Andy Griffin                   | Next meeting | OPEN<br>Unique test, |

|                |   |                                    |              |   |
|----------------|---|------------------------------------|--------------|---|
|                | Committee.<br>Meeting in Sept.  |                                    |              | possible in 61000-4-3?<br>Modulation is not AM but more varied. |
| <b>AI-21:</b>  | Review anything that can be moved between C63.15 and CISPR 35.<br><br>Still to determine if there is any input from C63.15 that will assist in doing immunity measurements in CISPR 35. The use of information on instrumentation suggestions in C63.15 might be helpful in selecting adequate signal sources for radiated, conducted, ESD, etc.<br><br>Document provided to Dave by Don.   | Dave Arnett                        | Next meeting | <b>OPEN</b>   |
| <b>AI-22:</b>  | Develop a proposal for the US TAG for IEC/TC77B on adding new test techniques in C63.16 to update IEC 61000-4-2<br><br>Provide a list of changes with reasoning. <b>See below:</b> Comments will be revised to show intended text for George Hedrichs (Chair, MT12)   | <b>Mike Cibulka</b><br>Rich Worley | Next meeting | <b>OPEN</b>   |
| <b>AI-22A:</b> | Mike C to provide to a member of US TAG for SC77/B the US comments for consideration by SC77B MT12. Comments will now include the actual text as the proposed change. Note that the chair of MT12 is George Hedrichs  | <b>Mike Cibulka</b>                | Next meeting | <b>OPEN</b>   |
| <b>AI-23:</b>  | Prepare for the CISPR-A TAG adding statistical way of measurement uncertainty<br><br>Bob should excerpt information from C63.23 on statistical method of finding MU to enter into CISPR 16-4-2.   | Bob DeLisi                         | Next meeting | <b>OPEN</b>   |
| <b>AI-24:</b>  | Provide a report on C63.27 at our next meeting (See Action Item below)  | Steve Berger                       | Next meeting | <b>OPEN</b>   |
| <b>AI-25:</b>  | Review CISPR14-1 & 15 for consideration for use in C63.29<br><br>Ernesto to review what is in CISPR 14-1 and 15 on lighting. Note that the latest edition of 15-1 has a complete test for emissions from LED lighting used to replace incandescent lights in incandescent fixtures.<br><br><b>AI-54:</b> Ernesto showed a presentation, he will check if older pre-heated fluorescents are still available, test method still needed? | Ernesto Mendoza                    | Next meeting | <b>OPEN</b>   |
| <b>AI-26:</b>  | Review CISPR 11, CISPR 14-1 for consideration for use in C63.30.<br><br>Travis to see what is in CISPR 11, 14-1 on WPT for use as reference or in the opposite direction what is in these CISPR documents that can be used in C63.30.<br><br>Horia noted that they're looking at CISPR 11 for WPT with EVs. CISPR 14-1 for IPT. Test site validation is the sticky point.   | Travis Thul                        | Next meeting | <b>OPEN</b>   |

|               |  |                             |               |   |
|---------------|--|-----------------------------|---------------|---|
|               | <b>AI-55:</b> Craig to contact SC-D regarding timely work on site validation <30MHz.   |                             |               |   |
| <b>AI-27:</b> | Review CISPR 11, 14-1 for consideration for use in C63.31.<br><br><a href="#">CISPR 11</a> totally addresses Industrial, Scientific, and Medical device emission tests, both radiated and conducted. Maybe Derek can list what is covered and not covered in CISPR 11 or in C63.31 so it is clear where we are and where the FCC MP-5 can be bolstered with the info from at least CISPR 11 and possibly 14-1 and 14-2 (if anything)<br><br>Horia advocating for C63.4 test methods. | Derek Walton                | Next meeting  | <b>OPEN</b>                             |
| <b>AI-36:</b> | Supply note on progress of IEC 61000-4-3. What is happening between 1 & 6GHz?<br><b>AI-56:</b> Don to pass along to Andy the John Maas presentation on IEC 61000-4-3.<br><b>AI-57:</b> Andy to generate comparison table to summarize requirements from 1-6GHz. (P1613-JR)   | Andy Griffin                | Next meeting  | <b>OPEN</b>                             |
| <b>AI-37:</b> | Submit a document on ESD to the Chair<br>(See AI-22 on similar action)   | Mike Cibulka                | <b>Closed</b> | <b>Closed as AI-22 takes precedence</b> |
| <b>AI-38:</b> | Contribute statistical method of uncertainty to CISPR-16-4-2<br>(See AI-23 on similar action)  | Bob DeLisi                  | <b>Closed</b> | <b>Closed as AI-23 takes precedence</b> |
| <b>AI-42:</b> | Confirm differences in the requirements of the ground plane for both standards, etc. If both requirements are met, a single antenna calibration can be performed to meet both standards.<br><br>Andy noted that NSA antennas also need calibration.<br><b>AI-58:</b> Bob to form WG with Andy, Zhong & Nate to identify a single calibration requirement. (Std. Site method in ANSI, Section 5?)   | Bob DeLisi                  | Next meeting  | <b>OPEN</b>                             |
| <b>AI-44:</b> | Determine what information in ETSI standards might be helpful in the revision of C63.26. Also, what information in C63.26 might be presented to ETSI.<br><b>AI-59:</b> Jerry to ensure that Steve is on SC3 webinar invitation list and sees AI-44.<br><b>AI-60:</b> Steve to be listed as non-voting liaison to SC3 in roster   | Steve Jones                 | Next meeting  | <b>OPEN</b>                             |
| <b>AI-45:</b> | Describe the difference between IEC 62657-2 and C63.27 (how they compliment each other)<br><b>AI-61:</b> Jerry to contact Sure re/ need to acquire the IEC 62657-2 document for committee use.   | Steve Berger                | Next meeting  | <b>OPEN</b>                             |
| <b>AI-46:</b> | Confirm that there are no equivalencies of any standard with C63.28  | Chris Dilay                 | Next meeting  | <b>OPEN</b>                             |
| <b>AI-48:</b> | Provide more information on how CISPR-11 does measurements differently than FCC-MP5  | Travis Thul<br>Derek Walton | Next meeting  | <b>OPEN</b>                             |
| <b>AI-49:</b> | Sort out any proposal from C63.31 that might be provided for CISPR 11, if any  | Derek Walton                | Next meeting  | <b>OPEN</b>                             |
| <b>AI-51:</b> | Review content on <a href="#">SC3 landing page</a> , <a href="#">SC3 roster page</a> and <a href="#">Standards Status Matrix</a> .   | All Members                 | Next meeting  | <b>OPEN</b>                             |
| <b>AI-52:</b> | <b>Steve Berger, Zhong Chen &amp; Steve Whitesell</b> are to be contacted for being "at risk." (remove Whitesell)  | Jerry Ramie                 | Next meeting  | <b>Closed</b><br>Sent 8/21              |
| <b>AI-53:</b> | Contact Sue Vogel re/ status of C63.15.  | Jerry Ramie                 | Next meeting  | <b>Closed</b><br>Sent 8/21              |

|        |   |   |              |                      |
|--------|---|---|--------------|----------------------|
| AI-54: | Ernesto showed a <a href="#">presentation</a> , he will check if older pre-heated fluorescents are still available, test method still needed? | Ernesto Mendoza                               | Next meeting | OPEN                 |
| AI-55: | Contact SC-D regarding timely work on site validation <30MHz.   | Craig Fanning                                 | Next meeting | OPEN                 |
| AI-56: | Pass along to Andy the John Maas presentation on IEC 61000-4-3.   | Don Heirman                                   | Next meeting | OPEN                 |
| AI-57: | Generate comparison table to summarize requirements from 1-6GHz. (P1613-JR)   | Andy Griffin<br><del>Jerry Ramie (8/21)</del> | Next meeting | OPEN                 |
| AI-58: | Form WG with Andy, Zhong & Nate to identify a single calibration requirement. (Std. Site method in ANSI, Section 5?)                          | Bob DeLisi                                    | Next meeting | OPEN                 |
| AI-59: | Ensure that Steve is on SC3 webinar invitation list and sees AI-44.   | Jerry Ramie                                   | Next meeting | Closed<br>added 8/21 |
| AI-60: | Steve Jones to be listed as non-voting liaison to SC3 in roster   | Jerry Ramie                                   | Next meeting | Closed<br>added 8/21 |
| AI-61: | Contact Sure re/ need to acquire the IEC 62657-2 document for committee use.  | Jerry Ramie                                   | Next meeting | Closed<br>Sent 8/21  |
| AI-62: | Update Status of Stds using table in item 6 above.  | Don and Jerry                                 | 8/31/17      | OPEN                 |