



For IEC use only

106/670/DL

2024-10-04

## INTERNATIONAL ELECTROTECHNICAL COMMISSION

### TECHNICAL COMMITTEE 106: METHODS FOR THE ASSESSMENT OF ELECTRIC, MAGNETIC AND ELECTROMAGNETIC FIELDS ASSOCIATED WITH HUMAN EXPOSURE

List of decisions taken at the hybrid meeting of TC 106, held in Saint Denis, France, on 2024-09-26

**Decision 2024-01:** TC106 approves the agenda without changes.  
Approved unanimously.

**Decision 2024-02:** TC106 confirms the reports of the meetings in London and Kista.  
Approved unanimously.

**Decision 2024-03:** TC106 decides maintenance for

- a) IEC/IEEE 63195-1 and tasks JWG12 to work on a second edition,
- b) IEC/IEEE 63195-2 and tasks JWG11 to work on a second edition.

**Action 2024-03:** TC106 Secretary to submit Review Reports for both documents accordingly.  
Approved unanimously.

**Decision 2024-04:** TC106 decides to change the title of MT3 to

- *“Maintenance Team for RF exposure assessment methods of base stations (IEC 62232 and IEC TR 62669)”*

**Action 2024-04:** IEC Secretariat to update  
Approved unanimously.

**Decision 2024-05:** TC106 confirms decision 2023-03 b) to cancel IEC/IEEE 62209-3 ED2 and revise IEC 62209-3 ED1 without validation part.

**Action 2024-05:** TC106 Secretary to synchronize with IEEE, then IEC Secretariat to cancel it and TC106 Secretary to submit RR with proposed target dates CDV 2025-06, FDIS 2026-07, IS 2026-12.  
Approved unanimously.

	CD	CDV	FDIS	IS
62209-1528		2024-12		2025-12
62232				2024-11
62704-1			2025-03	
62704-2				2024-12
62704-3	2025-06	2025-11	2026-04	2026-09
62704-4		2025-03	-	-
63195-1 (with RR)	2025-01	2025-06	2025-12	2026-12
63195-2 (with RR)	2025-01	2025-06	2025-12	2026-12
63195-3	2025-01	2025-06	2025-12	2026-12
63195-4	2025-01	2025-06	2025-12	2026-12
63480	2024-12	2025-06	2025-12	2026-05

**Decision 2024-06:** TC106 decides to extend project target dates as stated above.

**Action 2024-06:** None

Approved unanimously.

**Decision 2024-07:** To launch a new revision (edition 5) of IEC 62232 in order to address NC comments deferred from the consultation CC\_106\_626 and improved base station exposure assessment technologies (from TR62669) after submission of DTR of TR62669.

**Action 2024-07:** TC106 Secretary to circulate RR.

Approved unanimously.

**Decision 2024-08:** To set the project stage for IEC/IEEE PAS 62209-5 from ADPAS to ACD.

**Action 2024-08:** IEC Secretariat to update.

Approved unanimously.

**Decision 2024-09:** TC106 re-appoints the current conveners

- a) Mr. Kenichi Yamazaki for WG8 and MT62226-3-1,
- b) Mr. Teruo Onishi for WG9,
- c) Ms. Isabelle Magne for MT2,
- d) Mr. Christophe Grangeat for MT3,
- e) Mr. Frank Deter for MT62233,
- f) Mr. Bernd Jäkel for MT62311,
- g) Mr. Andreas Christ for JWG11,
- h) Mr. Kai Niskala for JWG12.

**Action 2024-09:** None

Approved unanimously.

**Decision 2024-10:** TC106 confirms convener as appointed by IEEE ICES TC34

- a) Mr. Jafar Keshvari for JMT62209-3
- b) Mr. John Roman for JWG11
- c) Mr. Walid El Hajj for JWG12

**Action 2024-10:** None

Approved unanimously.

**Decision 2024-11:** TC106 extends the stability period of [IEC 62369-1:2008 ED1.0](#) (Electronic Article Surveillance and RFID) by 2 years until 2026.

**Action 2024-11:** TC106 Secretary will inform IEC Secretariat and circulate DC by 2024-11-08.

Approved unanimously.

For the following publications the stability period expires in 2024 and there is currently no update required:

[IEC 61786-2:2014 ED1.0](#)

[IEC 62110:2009 ED1.0](#)

[IEC 62226-3-1:2007 ED1.0](#), AMD1:2016

[IEC 62479:2010 ED1.0](#)

[IEC 62577:2009 ED1.0](#)

[IEC TR 62630:2010 ED1.0](#)

**Decision 2024-12:** TC106 extends the stability period of these publications by three years until 2027.

**Action 2024-12:** IEC Secretariat to update

Approved unanimously.

**Decision 2024-13:** TC106 decides to

- a) discontinue liaisons with IEC TC 34, TC 62/SC 62B, TC77, TC 125, CISPR, ISO TC215, pending their agreement,
- b) reconfirm the remaining existing liaisons and liaison representatives.

**Action 2024-13:**

- a) Liaison Coordinator to communicate to liaisons in decision part a)
- b) TC106 Secretary to let changes be updated accordingly.

Approved unanimously.

**Decision 2024-14:** TC106 confirms all decisions and actions listed above.

Approved unanimously at 16:00 CEST.



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106/676/RM

2024-11-08

## INTERNATIONAL ELECTROTECHNICAL COMMISSION

### TECHNICAL COMMITTEE 106: Methods For The Assessment Of Electric, Magnetic And Electromagnetic Fields Associated With Human Exposure

#### 2024 Plenary TC106 – Report of Meeting

Unconfirmed minutes of the meeting held in Saint Denis, France on 2024-09-26  
(starting time: 09:00 CEST, ending time: 17:17 CEST)

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#### Participants

NC/ organization	Last Name	First name	Role <sup>1</sup>	Participation <sup>2</sup>
IEC Secretariat	Maillet	Marlene	Technical Officer	Face-to-face
Japan	Onishi	Teruo	Chair	Face-to-face
Australia	Wood	Michael	Senior Vice-Chair	Face-to-face
United Kingdom	Gabriel	Sami	Vice-Chair	Face-to-face
Germany	Prokop	Alexander	Secretary	Face-to-face
Germany	Meier	Matthias	Assistant Secretary	Virtual
IEEE SA	Morales	Erin	Guest	Face-to-face
IEEE SA	Roder	Patricia	Guest	Face-to-face
IEEE	Shaobin	Sun	Guest	Virtual
IEEE	Ajith	A S	Guest	Virtual, Partial
<b>Australia</b>	<b>Ward</b>	<b>Desmond</b>	<b>Head of delegation</b>	<b>Face-to-face</b>
Australia	Knipe	Phill	Delegate	Face-to-face
<b>Austria</b>	<b>Barmueller</b>	<b>Thomas</b>	<b>Head of delegation</b>	<b>Virtual</b>
<b>Belgium</b>	<b>Joseph</b>	<b>Wout</b>	<b>Head of delegation</b>	<b>Virtual</b>
<b>Canada</b>	<b>Saint-Pierre</b>	<b>Gréguy</b>	<b>Head of delegation</b>	<b>Face-to-face</b>
Canada	Gallant	Josette	Delegate	Absent
Canada	Pan	Yi	Delegate	Face-to-face
Canada	Rouse	Chris	Delegate	Absent
Canada	Solanki	Dharmajitsinh	Delegate	Face-to-face
Canada	Trujillo	Isabel	Delegate	Absent
<b>China</b>	<b>Wu</b>	<b>Tong</b>	<b>Head of delegation</b>	<b>Face-to-face</b>
China	Deng	Zhao	Delegate	Virtual
China	Huang	Huixiong	Delegate	Face-to-face
China	Kang	Dao	Delegate	Face-to-face
China	Lan	Jiangpeng	Delegate	Virtual

<sup>1</sup> For example: Chair, Secretary, Technical Officer, Head of delegation, Delegate, Guest, Observer

<sup>2</sup> For example: In person, Remote, Apologized, Part of the time

NC/ organization	Last Name	First name	Role <sup>1</sup>	Participation <sup>2</sup>
China	Li	Guoqing	Delegate	Face-to-face
China	Ma	wenhua	Delegate	Face-to-face
China	Qi	Dianyuan	Delegate	Face-to-face
China	Wei	huanbin	Delegate	Virtual
China	Zhang	Xujun	Delegate	Virtual
China	Zhou	Xin	Delegate	Face-to-face
<b>Czech Republic</b>	<b>Jandak</b>	<b>Zdenek</b>	<b>Head of delegation</b>	<b>Virtual</b>
<b>Denmark</b>	<b>Vindbjerg</b>	<b>Marika</b>	<b>Head of delegation</b>	<b>Virtual</b>
<b>Finland</b>	<b>Keshvari</b>	<b>Jafar</b>	<b>Head of delegation</b>	<b>Face-to-face</b>
Finland	Kännälä	Sami	Delegate	Virtual
Finland	Niskala	Kai	Delegate	Virtual
<b>France</b>	<b>Wiert</b>	<b>Joe</b>	<b>Head of delegation</b>	<b>Face-to-face</b>
France	Bagheriasl	Mohammad	Delegate	Absent
France	Conil	Emmanuelle	Delegate	Face-to-face
France	De Cuetos	Philippe	Delegate	Virtual
France	El Hajj	Walid	Delegate	Face-to-face
France	Grangeat	Christophe	Delegate	Face-to-face
France	Le-Breton	Gilles	Delegate	Face-to-face
France	Magne	Isabelle	Delegate	Virtual
France	Martigne	Patricia	Delegate	Face-to-face
France	Monebhurrun	Vikass	Delegate	Face-to-face
France	Ouberehil	Allal	Delegate	Face-to-face
France	Ramdani	Mehdi	Delegate	Virtual
France	Richard	Laurence	Delegate	Face-to-face
France	Salvi	Bruno	Delegate	Face-to-face
France	Sheng	Bin	Delegate	Face-to-face
France	Wang	Shanshan	Delegate	Face-to-face
<b>Germany</b>	<b>Geschwentner</b>	<b>Dirk</b>	<b>Head of delegation</b>	<b>Face-to-face</b>
Germany	Bretz	Klaus-Peter	Delegate	Apologized
Germany	Deser	Andreas	Delegate	Virtual
Germany	Jagielski	Kai	Delegate	Virtual
Germany	Jeschke	Peter	Delegate	Virtual, Partial
<b>Greece</b>	<b>Psyrris</b>	<b>Alexandros</b>	<b>Head of delegation</b>	<b>Virtual</b>
<b>Iran</b>	<b>Zarei</b>	<b>Ali</b>	<b>Head of delegation</b>	<b>Absent</b>
Iran	Soltani	Zeinab	Delegate	Virtual
<b>Ireland</b>	<b>Reilly</b>	<b>Paul</b>	<b>Head of delegation</b>	<b>Virtual</b>
Ireland	Quigley	Jonathan	Delegate	Virtual
<b>Italy</b>	<b>Schiavoni</b>	<b>Andrea</b>	<b>Head of delegation</b>	<b>Face-to-face</b>
Italy	Faraone	Antonio	Delegate	Virtual
<b>Japan</b>	<b>Yamazaki</b>	<b>Kenichi</b>	<b>Head of delegation</b>	<b>Face-to-face</b>
Japan	Higashiyama	Junji	Delegate	Face-to-face
Japan	Ishioka	Ryota	Delegate	Virtual
Japan	Miwa	Keishi	Delegate	Virtual
Japan	Nagaoka	Tomoaki	Delegate	Virtual
Japan	Nojima	Akihiko	Delegate	Face-to-face
Japan	Shiina	Takeo	Delegate	Virtual
<b>Korea, Republic of</b>	<b>Choi</b>	<b>Dong Geun</b>	<b>Head of delegation</b>	<b>Face-to-face</b>

NC/ organization	Last Name	First name	Role <sup>1</sup>	Participation <sup>2</sup>
Korea, Republic of	Bang	Jin Kyu	Delegate	Face-to-face
Korea, Republic of	Heo	Yunjeang	Delegate	Absent
Korea, Republic of	Hong	Seon-eui	Delegate	Face-to-face
Korea, Republic of	Ju	Young Jun	Delegate	Face-to-face
Korea, Republic of	Kwon	Hyuk Choon	Delegate	Face-to-face
Korea, Republic of	Moon	SungWon	Delegate	Absent
Korea, Republic of	Oh	Taek-Kyu	Delegate	Face-to-face
Korea, Republic of	Park	Yong Ho	Delegate	Face-to-face
Korea, Republic of	Yu	Byeong Gyu	Delegate	Face-to-face
<b>Mexico</b>	<b>Avila Jimenez</b>	<b>Domingo</b>	<b>Head of delegation</b>	<b>Virtual</b>
<b>Netherlands</b>	<b>Wang</b>	<b>Wei</b>	<b>Head of delegation</b>	<b>Face-to-face</b>
<b>Poland</b>	<b>Bechta</b>	<b>Kamil</b>	<b>Head of delegation</b>	<b>Virtual</b>
Poland	Lewicki	Fryderyk	Delegate	Virtual
<b>South Africa</b>	<b>Brockman</b>	<b>Dirk</b>	<b>Head of delegation</b>	<b>Virtual</b>
South Africa	Van Brakel	Wessel	Delegate	Virtual
South Africa	Hubbard	Roy	Delegate	Virtual, Partial
<b>Sweden</b>	<b>Törnevik</b>	<b>Christer</b>	<b>Head of delegation</b>	<b>Virtual</b>
<b>Switzerland</b>	<b>Kuster</b>	<b>Niels</b>	<b>Head of delegation</b>	<b>Apologized</b>
Switzerland	Christ	Andreas	Delegate	Face-to-face
<b>United Kingdom</b>	<b>Peyman</b>	<b>Azadeh</b>	<b>Head of delegation</b>	<b>Face-to-face</b>
United Kingdom	Quoi	Richelieu	Delegate	Part of the time
<b>United States of America</b>	<b>Bit-Babik</b>	<b>Giorgi</b>	<b>Head of delegation</b>	<b>Face-to-face</b>
United States of America	Douglas	Mark	Delegate	Face-to-face
United States of America	Harrington	Timothy	Delegate	Virtual
United States of America	Mahmoud	Mahmoud	Delegate	Face-to-face
United States of America	Molaei	Nima	Delegate	Face-to-face
United States of America	O'Keefe	Kaitlin	Delegate	Face-to-face
United States of America	Roman	John	Delegate	Face-to-face

The following P-members were not attending: India, Israel, Spain

### 1. Opening of the meeting, welcome by the Chair and the host

The Chair opened the meeting at 09:08 and thanked the host.

### 2. Review of participants

The Secretary reviewed the list of registered participants as shown above.

### 3. Approval of the agenda

The revised draft agenda was circulated as Document 106/654A/DA on 2024-08-16.

**Decision 2024-01:** TC106 approves the agenda without changes.

Approved unanimously.

Note: Changes to the circulated DA need to be approved unanimously, otherwise it needs to stay unchanged.

#### 4. Comments received on the reports of the previous meetings

The revised report of the meeting in London, UK on 2023-10-05 was circulated on 2023-11-03 as Document 106/625/RM. No comments have been received.

The revised report of the Extraordinary Plenary meeting in Kista, Sweden on 2024-05-29 was circulated on 2024-08-09 as Document 106/662/RM. No comments have been received.

Note: The TO noted that as per latest update to the IEC Directives, Minutes are approved if no comments are received within 4 weeks of their circulation, so this decision will not be required in future.

**Decision 2024-02:** TC106 confirms the reports of the meetings in London and Kista.  
Approved unanimously.

#### 5. Information from IEC Secretariat

TC 106 noted the information from the IEC Secretariat presented by the Technical Officer Ms Marlene Maillet. Senior Vice-Chair Mike Wood presented on a draft guidance for use of artificial intelligence in standard development which is going to be published in October 2024. [Document 106/677/INF]

#### 6. Reports & Update Work Program of TC 106 as recorded by IEC Secretariat

##### 6.1. Chair's and Secretary's report about activities between the meetings

TC 106 noted the verbal and the written report of the Chair. [Document 106/677/INF]

As part of his report, the Chair announced this year's IEC 1906 awards for TC 106 to the following awardees:

- Mr. Joe Wiart
- Mr. Thorsten Liebig

The new Vice-Chair Mr. Sami Gabriel thanked for the support in his appointment and mentioned, besides his scope of responsibilities, he also will look for ways to keep track of WG meeting dates in an online calendar.

TC 106 noted the verbal and the written report of the Secretary. [Document 106/677/INF]

##### 6.2. Report from WG8

TC 106 noted the verbal and the written report by the convener. [Document 106/664/INF]

##### 6.3. Report from WG9

TC 106 noted the verbal and the written report by the convener. [Document 106/664/INF]

##### 6.4. Report from MT2

TC 106 noted the verbal and the written report by the convener. [Document 106/664/INF]

##### 6.5. Report from MT3

TC 106 noted the verbal and the written report by the convener. [Document 106/664/INF]

##### 6.6. Report from JWG11

TC 106 noted the verbal and the written report by Mr. Andreas Christ. [Document 106/664/INF]

**6.7. Report from JWG12**

TC 106 noted the verbal and the written report by Mr. Kai Niskala. [Document 106/664/INF]

**6.8. Report from JWG63184**

TC 106 noted the verbal and the written report by the convener. [Document 106/664/INF]

**6.9. Report from JWG63480**

TC 106 noted the verbal and the written report presented by Mr. Andreas Christ on behalf of the convener. [Document 106/664/INF]

**6.10. Report from JMT14**

TC 106 noted the verbal and the written report by the convener. [Document 106/664/INF]

**6.11. Report from JMT62209-3**

TC 106 noted the verbal and the written report by the convener. [Document 106/664/INF]

**Break 12:30 – 13:30****6.12. Report from JMT62704-1**

TC 106 noted the verbal and the written report by the convener. [Document 106/664/INF]

**6.13. Report from JMT62704-4**

TC 106 noted the verbal and the written report by Mr. Andreas Christ. [Document 106/664/INF]

**6.14. Report from JMT62704-2**

TC 106 noted the verbal and the written report by the convener. [Document 106/664/INF]

**6.15. Report from JMT62704-3**

TC 106 noted the verbal and the written report by Mr. Alexander Prokop. [Document 106/664/INF]

**6.16. Report from AG15 (Advisory Group 15 – Editorial Support Group)**

Convener Mr. Tim Harrington called for further members, at least one volunteer to work with OSD, which will be mandatory to be used for new projects starting from 2025.

**6.17. Decisions based on WG Reports**

As proposed by the conveners of JWG11 and JWG12, for the two documents IEC/IEEE 63195-1 and -2 work on second editions needs to be started.



**Decision 2024-03:** TC106 decides maintenance for

- a) IEC/IEEE 63195-1 and tasks JWG12 to work on a second edition,
- b) IEC/IEEE 63195-2 and tasks JWG11 to work on a second edition.

**Action 2024-03:** TC106 Secretary to submit Review Reports for both documents accordingly.

Approved unanimously.

### New title for MT3

The title of MT3 is currently "*Maintenance Team for IEC 62232*". MT3 proposes in its report to change the title.

**Decision 2024-04:** TC106 decides to change the title of MT3 to

- "*Maintenance Team for RF exposure assessment methods of base stations (IEC 62232 and IEC TR 62669)*"

**Action 2024-04:** IEC Secretariat to update.

Approved unanimously.

### Cancellation and Restart of IEC/IEEE 62209-3 ED2

Decision 2023-03b) from the London Plenary stated to submit an NP as action which needs to be corrected.

**Decision 2024-05:** TC106 confirms decision 2023-03b) to cancel IEC/IEEE 62209-3 ED2 and revise IEC 62209-3 ED1 without validation part.

**Action 2024-05:** TC106 Secretary to synchronize with IEEE, then IEC Secretariat to cancel it and TC106 Secretary to submit RR with proposed target dates CDV 2025-06, FDIS 2026-07, IS 2026-12.

Approved unanimously.

### Joint Decision on Extending Project Deadlines

The following projects are extended as suggested in the working group reports.

	CD	CDV	FDIS	IS
62209-1528		2024-12		2025-12
62232				2024-11
62704-1			2025-03	
62704-2				2024-12
62704-3	2025-06	2025-11	2026-04	2026-09
62704-4		2025-03	-	-
63195-1 (with RR)	2025-01	2025-06	2025-12	2026-12
63195-2 (with RR)	2025-01	2025-06	2025-12	2026-12
63195-3	2025-01	2025-06	2025-12	2026-12
63195-4	2025-01	2025-06	2025-12	2026-12
63480	2024-12	2025-06	2025-12	2026-05

**Decision 2024-06:** TC106 decides to extend project target dates as stated above.

**Action 2024-06:** None

Approved unanimously.

Other target dates should be updated according to decisions in London.

### **Edition 5 of IEC 62232**

**Decision 2024-07:** To launch a new revision (edition 5) of IEC 62232 in order to address NC comments deferred from the consultation CC\_106\_626 and improved base station exposure assessment technologies (from TR62669) after submission of DTR of TR62669.

**Action 2024-07:** TC106 Secretary to circulate RR.

Approved unanimously.

### **Correction of PAS 62209-5 Project Stage**

**Decision 2024-08:** To set the project stage for IEC/IEEE PAS 62209-5 from ADPAS to ACD.

**Action 2024-08:** IEC Secretariat to update.

Approved unanimously.

### **New Edition of IEC/IEEE 62209-1528**

JMT14 convener Mr. Jafar Keshvari asked the TC to decide on starting work on a new edition of IEC/IEEE 62209-1528 after the Amendment 1 is published. Mr. Tim Harrington raised this would need further discussion or a DC first. The Secretary mentioned that this should also be aligned with other work on the 62209 series and asked whether any NC would object to discuss this unannounced subject today. Ms. Wei Wang as HoD declared NL NC to object.

## **7. Appointment and Reconfirmation of Convenors**

The current conveners in the decision below agree to continue for another term.

Conveners need to be re-appointed every 3 years. Conveners (re-)appointed previously:

- 2024-May: Andreas Christ, Tim Harrington AG15, Jafar Keshvari JMT14
- 2023: Andreas Christ JMT62704-1, Goga Bit-Babik JMT62704-2, Alexander Prokop JMT62704-3, -4
- 2022: Sami Gabriel JMT62209-3, Chris Rouse PT63480
- 2021: Kenichi Yamazaki WG8, Teruo Onishi WG9, Isabelle MAGNE MT2, Christophe Grangeat MT3, Kenichi Yamazaki MT62226-3-1, Frank Deter MT62233, Bernd Jäkel MT62311, Andreas Christ JWG11, Kai Niskala JWG12, Sami Gabriel JWG13

**Decision 2024-09:** TC106 re-appoints the current conveners

- a) Mr. Kenichi Yamazaki for WG8 and MT62226-3-1,
- b) Mr. Teruo Onishi for WG9,
- c) Ms. Isabelle Magne for MT2,
- d) Mr. Christophe Grangeat for MT3,
- e) Mr. Frank Deter for MT62233,
- f) Mr. Bernd Jäkel for MT62311,
- g) Mr. Andreas Christ for JWG11,
- h) Mr. Kai Niskala for JWG12.

**Action 2024-09:** None

Approved unanimously.

Co-conveners appointed by IEEE need to be confirmed by TC106. Co-Conveners appointed by IEEE:

- 2021/2022: John Roman JWG11, Walid El Hajj JWG12, Jafar Keshvari JWG13, Jafar Keshvari JMT62209-3
- 2023: Vikass Monebhurrun JMT62704-3, Andreas Christ JMT62704-4
- 2024-May: Jafar Keshvari JMT14.

**Decision 2024-10:** TC106 confirms

- a) Mr. Jafar Keshvari for JMT62209-3
- b) Mr. John Roman for JWG11
- c) Mr. Walid El Hajj for JWG12

**Action 2024-10:** None

Approved unanimously.

## 8. Review of stability dates

(TC106 chooses typically 5 years stability period when publishing an IS. If there is no other requirement, an extension of 3 years is suggested for expiring stability periods.)

For the following publications, the stability period expires in 2024 and a new edition or amendment will be ready for publication soon, no decision required:

Publication	Work in progress
<a href="#">IEC TR 62669:2019 ED2.0</a>	<a href="#">IEC TR 62669 ED3</a>
<a href="#">IEC/IEEE 62704-1:2017 ED1.0</a>	<a href="#">IEC/IEEE 62704-1 ED2</a>
<a href="#">IEC/IEEE 62704-2:2017 ED1.0</a>	<a href="#">IEC/IEEE 62704-2/AMD1 ED1</a>

For the following publications the stability period expires in 2024 and a need for a soon update has been identified by the AT NC and the DE NC. The AT NC offers to prepare a DC by the end of October 2024.

[IEC 62369-1:2008 ED1.0](#)                      electronic article surveillance, RFID

**Decision 2024-11:** TC106 extends the stability by 2 years until 2026.

**Action 2024-11:** TC106 Secretary will inform IEC Secretariat and circulate DC by 2024-11-08.

Approved unanimously.

For the following publications the stability period expires in 2024 and there is currently no update required:

[IEC 61786-2:2014 ED1.0](#)  
[IEC 62110:2009 ED1.0](#)  
[IEC 62226-3-1:2007 ED1.0](#), AMD1:2016  
[IEC 62479:2010 ED1.0](#)  
[IEC 62577:2009 ED1.0](#)  
[IEC TR 62630:2010 ED1.0](#)

**Decision 2024-12:** TC106 extends the stability of these publications by three years until 2027.

**Action 2024-12:** IEC Secretariat to update.

Approved unanimously.

Mr. Tim Harrington suggested 62479 should be revisited to check for consistency regarding conformity assessment and test exemptions; additionally 62630 should be reviewed and coordinated with the ongoing CENELEC TC106X project 50734 for multi-radio products.

## 9. Review of P-members participation

TC106 reviewed the report on participation of the P-members. [Document 106/665/INF]

For Denmark and Israel the criteria have not been 100% met, because they have no experts appointed to WGs and missed to participate in two consecutive TC meetings.

## 10. Reports from Liaisons

Mr. Matthias Meier reported on the liaisons with proposals on continuation or discontinuation of each liaison. [Document 106/677/INF]

## 11. Review of the Liaisons

TC106 maintains liaisons to IEC committees and to non-IEC committees:

Number of internal liaisons (IEC): 14

Number of liaisons to ISO: 2

Number of A-liaisons: 5

Liaison Type	Committee	Description	Incoming liaison representative	Outgoing liaison representative
IEC	TC 9	Electrical equipment and systems for railways		
IEC	TC 26	Electric welding	Mr Joe Krueger	Mr Matthias Meier
IEC	TC 27	Industrial electroheating and electromagnetic processing	Mr Per Olov Risman	Mr Matthias Meier
IEC	TC 34	Lighting		
IEC	TC 62/SC 62A	Common aspects of medical equipment, software, and systems	Mr Ronald Reitan	Mr Ronald Reitan
IEC	TC 62/SC 62B	Medical imaging equipment, software, and systems		
IEC	TC 69	Electrical power/energy transfer systems for electrically propelled road vehicles and industrial trucks	Mr Ky Sealy	Mr Akihiko Nojima

Liaison Type	Committee	Description	Incoming liaison representative	Outgoing liaison representative
<del>IEC</del>	<del>TC 77</del>	<del>Electromagnetic compatibility</del>	<del>Mr Bernd Jäkel</del>	
IEC	TC 78	Live working	Mr Nestor Kolcio	Mr Matthias Meier
IEC	TC 96	Transformers, reactors, power supply units, and combinations thereof	Mr Franco Rusnati	Mr Matthias Meier
IEC	TC 100	Audio, video and multimedia systems and equipment	Mr Ockwoo Nam	Mr Teruo Onishi
IEC	TC 124	Wearable electronic devices and technologies		Mr Matthias Meier
<del>IEC</del>	<del>TC 125</del>	<del>e-Transporters</del>		
<del>IEC</del>	<del>CISPR</del>	<del>International special committee on radio interference</del>		
ISO	ISO/TC 150/ SC 6	Active implants	Mr Ronald Reitan	Mr Ronald Reitan
<del>ISO</del>	<del>ISO/TC 215</del>	<del>Health informatics</del>		
A	ANEC	European Association for the co-ordination of consumer representation in standardization		Mr Matthias Meier
A	EC	European Commission	Mr Jamie Ferragut Ms Elena Nanou	Mr Matthias Meier
A	IEEE ICES	IEEE International Committee on Electromagnetic Safety	Mr Jafar Keshvari	Mr Jafar Keshvari
A	ITU-R/SG1	ITU Radiocommunication Sector/Study Group 1 - Spectrum Management		Mr Teruo Onishi
A	ITU-T/SG 5	ITU Telecommunication Standardization Sector - Study Group 5 - EMF, environment, climate action, sustainable digitalization, and circular economy	Mr Jafar Keshvari	Mr Jafar Keshvari
Member	IEC ACEC	Advisory Committee on Electromagnetic Compatibility	Mr Jafar Keshvari	Mr Jafar Keshvari

(Matthias Meier in his function as Assistant Secretary)

As part of his report, the Liaison Coordinator proposes according to the above shown table to discontinue liaisons with TC 9, TC 34, TC 62/SC 62B, TC 125, CISPR, ISO/TC 215, because there are no incoming and outgoing liaison representatives, and the assistant secretary cannot act as liaison representative. Also currently, there are no relevant subjects for those liaisons.

The liaison representative for TC77, Bernd Jäkel, suggests discontinuing the liaison with TC77 because there has not been exchange recently and topics are covered through ACEC.

<p><b>Decision 2024-13:</b> TC106 decides to</p> <ul style="list-style-type: none"> <li>a) discontinue liaisons with IEC TC 34, TC 62/SC 62B, TC77, TC 125, CISPR, ISO TC215, pending their agreement,</li> <li>b) reconfirm the remaining existing liaisons and liaison representatives.</li> </ul> <p><b>Action 2024-13:</b></p> <ul style="list-style-type: none"> <li>a) Liaison Coordinator to communicate to liaisons in decision part a)</li> <li>b) TC106 Secretary to let changes be updated accordingly.</li> </ul> <p>Approved unanimously.</p>
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Mr. Mike Wood noted that the Chair of TC106 should be a representative to ACEC, so the new Chair Mr. Teruo Onishi would need to be notified to ACEC and/or a QP to be submitted to the SMB.

## 12. Review of the Strategic Business Plan and the work program

TC 106 updated the SBP in 2022 and suggests to keep it unchanged. The current version of the IEC TC 106 Strategic Business Plan is accepted without changes.

## 13. Review of decisions

Before 16:00 CEST, the Secretary mentioned that within the announced meeting time, the decisions need to be confirmed and any further decisions can only be made pending all P-members additional confirmation. TC106 reviewed all decisions and actions listed above.

**Decision 2024-14:** TC106 confirms all decisions and actions listed above.  
Approved unanimously at 16:00 CEST.

## 14. Report from CENELEC

Mr. Meier presented a report on the liaison with CENELEC [Document 106/677/INF]

## 15. Date and place of the next meeting(s)

Pending final confirmation of the venue, the 2025 Plenary meeting will be **27 to 31 October 2025 in Busan, South Korea**. The Chair thanked the Korean NC for offering to host the meeting.

Proposals for hosting the 2026 Plenary are welcome. Hosts from the Americas would be preferred.

(Room requirements are a plenary room accommodating ~50 participants and sufficient technical installation for hybrid meetings for the Plenary meeting day and similar facilities for working group meetings during at least three more days of the week. TC106 intends to rotate the location between the world regions Americas, Europe/Middle East/Africa and Asia Pacific. With respect to sustainability and travel budgets, all meetings shall be hybrid.)

## 16. Any other business

The appointment of the Vice-Chair for 62209 SAR Series was reflected on and discussed. The Secretary explained that comments on the proposal in 106/653/DC had been addressed in 106/660/INF and the scope of the position was accordingly re-defined in 106/659/Q. He thanked the NCs for the support of the position with good majority. Mr. Giorgi Bit-Babik for the US NC raised concern that given the nature and acceptance of some NC comments a new DC should have been circulated and asked, why comments on 106/659/Q have not been published.

Mr. Antonio Faraone as delegate of the IT NC revoiced the IT NC comments regarding Vice-Chair criteria on the 106/653/DC and the concerns already discussed within JMT14 about inconsistencies of circulates 106/629A/RR and 106/629B/RR regarding project IEC/IEEE 62209-1528/AMD1 ED1 (see Note 1). Furthermore, he added concerns of lacking transparency of the 2023 TC106 Chair appointment process (see Note 2).

Mr. Jafar Keshvari for the FI NC supported the US NC position and requested a discussion on the topic at the next TC106 plenary meeting.

Technical Officer Ms. Marlene Mailet explained that according to IEC working procedures, only the result of the voting on a Q document is published, but IEC Secretariat would look into possibility of publishing comments without revealing the vote in the future. The TC106 Secretary added that 106/660/INF had already covered the concerns and the TC Officers had accordingly prepared responses to the comments on the 106/659/Q. TC Officers will discuss whether and how these comments and responses still can be made transparent. The Secretary also mentioned that for the future, the appointment process could be further discussed and defined in more detail if needed.

*Note 1: The 106/629(A+B)/RR inconsistencies had been explained in a JMT14 meeting, when it was also announced that they will be resolved by sending the missing initial AMD proposal again together with soon to be completed revised comment matrices on IEC/IEEE 62209-1528/AMD1 ED1.*

*Note 2: The 2023 TC106 Chair appointment process had followed the directives as of 2023. The process has been*

*improved in terms of transparency with the 2024 edition of the ISO/IEC Directives, Part 1 + IEC Supplement.*

## **17. Close of the meeting**

The Chair thanked the host for their hospitality and the TC106 experts for their participation. He closed the meeting at 17:17 local time.