



INTERNATIONAL ELECTROTECHNICAL COMMISSION

TECHNICAL COMMITTEE N°9: ELECTRICAL EQUIPMENT AND SYSTEMS FOR RAILWAYS

Draft minutes of the 1th TC 9 Face to Face Meeting held in Volgograd (Russia) on the 18-19th July 2018.

1. Opening of the meeting

Mr. Sultanov, Director of Volzhsky Branch of the National Research University "Moscow Power Engineering Institute", makes a welcome speech.

Mr. Kuryanov thanks the members of PT63190 and makes a short opening speech.

2. Roll call of participants.

The participants introduce themselves.

No n/n	Function	First name	Last name	NC	Initials	
1	Convenor	Vasily	Kuryanov	RU	VK	Present
2	Member	Peter	Hermans	BE	PH	Present
3	Member	Chris	Bryan	GB	CB	Present
4	Member	Keisuke	IRIKURA	JP	KI	Present
5	Member	Ko	YAMAGUCHI	JP	KY	Present
6	Member	Chang	Haibo	CN	CH	Present
7	Member	Chao	Xu	CN	CX	Present
8	Member	Xing	Tong	CN	XT	Present
9	Member	Didier	MINARD	FR	DM	Present
10	Member	Imen	MEZIANI	FR	IM	Present

3. Approval of the agenda

The agenda is approved.

4. Report from Mr. Kuryanov about the meeting held in Cologne.

5. Presentation of progress reports by members of PT 63190, discussion and debates.

6. Any other business.

No proposals

7. Date and place of the next face to face meeting(s).

8. Close of the meeting.

Mr Kuryanov thanks the participants for fruitful debates.
He then closes the meeting.

Annexes:

IEC / TC 9/ PT 63190 – 1st face to face meeting resolutions

ANNEX

IEC / TC 9 / 1st face to face meeting decisions

Decision 01/01

Next meeting face to face will be hold in Moscow **on the 11-12th of October 2018.**

**All participants should send a copy of their passports and the
'Form for Invitation Letter.doc'**

To VK (vek077@yandex.ru) by 2018.07.23 for issuing of invitation letters.

Considering the debates and answering the questions PT 63190 decided on the following:

1. Conductor Particulars – All

Participants of all countries should send an email to PH/VK including a compact table with information about: conductor, alloy and specification available alloys used in their representative country. Do not include conductors that are never used.

Dead line 2018.08.03

2. General Definitions – CB/PH

To be aligned to Electropedia definitions and corrected for English. Overall editing for quality of written communication.

Dead line 2018.09.15

3. Table formatting – CB/PH

Suggestion to update all tables to reflect a better approach to managing the data. Three core tables:

1. Conductor formations
2. Conductivity / Strength Ratios
3. Material compositions

English/Belgian colleagues to produce new versions of these tables combining data from submissions collected after Action 1.

Dead line 2018.09.28

4. Discussion and decision relating to testing of breaking load limits - KI/KY

In France, the breaking load of a complete conductor is tested up to 95% of the sum of the strength of each individual wire after stranding. A separate test with accessories is also used with coefficients applied depending on the diameter of wire (C 34-110-2 Table A2). A generalised 5% down rating for testing individual strands appears to be the consensus. 95% of 95% is equivalent to a 90% down rating. Draft text is required explaining this assumption to be drafted by Japanese colleagues.

Dead line 2018.09.28

5. General format of standard - VK

An IEC standard should follow the specified formatting and style guidelines (ISO/IEC directives Part 2). The current draft should be restructured to match the format of the aluminium alloy standard: IEC 61089

Dead line 2018.09.28

6. Welding within conductors - KB/ES

Paragraph about welding rules to be written – a general rule for joining individual strands in messenger wires, considering the rules of other countries' national standards. Task for German members.

Dead line 2018.09.28

7. Testing - XT/CX

Must be divided into type testing and routine testing. Should then be subdivided into wire testing and conductor testing.

Chinese colleagues to translate their test procedures table into English, edit the format to reflect this approach and send to the working group for discussion at next meeting.

Dead line 2018.09.14

8. Other points to be added after next meeting

Minimum required order information paragraph also needs to be written.

The test procedures should refer to the relevant IEC and ISO standards (where applicable) These must also be added to '2. Normative References' prior to publication.

IEC 61395	Creep tests
ISO 6892	Tensile tests
ISO 7800	Torsion tests
ISO 7801	Reverse bend tests
ISO 7802	Winding tests
IEC 60468	Resistivity of metallic materials