

Minutes of meeting for Study Committee B3 Substations and Electrical Installations 63rd Annual Meeting

Mark McVEY, Chair of CIGRE SC B3

Samuel NGUEFEU, Secretary of CIGRE SC B3

28th August 2026

Paris, France

Meeting Documents in KMS

Pages / ... / SC Meetings (restricted) Modifier Voir les commentair

SC B3 2026 Paris, FR

Créé par Samuel NGUEFEU, dernière modification le août 05, 2026

This whole session is hosted in **Palais des Congrès, Paris – France on August - 22 to 28, 2026.**

The 2026 CIGRE Session Provisional Technical Program is ready for download.

How to get to the Palais des Congrès: Access venue | Session CIGRE

Exhibition web page: Technical exhibition | Session CIGRE

Tuesday 25 Aug 2026	JWG B3/A2/A3/C3/D1.66 – Guidelines for Life Cycle Assessment in Substations considering the carbon footprint evaluation	Working Group	111-112-113	No	Akshaya Prabakar Akshaya.Prabakar@tennet.eu/ Dennis van der Born D.vanderBorn-2@tudelft.nl/ 14:00 – 18:00
	B3.72 Pre-kick off meeting – Integration of asset information in modern substations for (asset) management of substation equipment	Working Group	339	No	Jan BEDNARIK jan.bednarik@esb.ie / 14:00-18:00 Thomas WEHRSTEDT wehrstedt.thomas@siemens-energy.com
	B3.73 – Asset management and digital integration of mobile substations for a resilient and flexible transmission grid	Working Group	223	No	Peter VAESSEN Peter.Vaessen@kema.com/ 14:00-18:00 Johan SMIT j.j.smit@tudelft.nl
	B3/A3.76 – User Experiences for non-SF6 gases and mixtures in Substations	Working Group	136-137	No	Piet KNOL Piet.Knol@tatasteeleurope.com / Morning Bernard LUTZ Bernhard.Lutz@fichtner.de / 09:00-12:30
Wednesday 26 Aug 2026	B3.70 Workshop: "Substation Knowledge Management Powered by AI & AR/VR"	Workshop	Maillot	Yes	No registration required / 08:30 – 10:30 () Moderators are A. OKADA, C. COSTAN and S. NOGUCHI,
	B3.69 Workshop: "Substation Commissioning/Inspection Experiences and Lessons Learned"	Workshop	Maillot	Yes	No registration required / 10:30 – 12:30 () Moderators are G. BECKER and J. CAMDEN
	SC B3 – Poster session. Substations and electrical installations	SC B3 event	Hall Ternes	Yes	14:30 – 18:00; Hall Ternes is located at Level 1
Thursday 27 Aug 2026	SC B3 – Group Discussion Meeting: Substations and electrical installations	Discussion Meeting	Grand Amphi	Yes	08:45 – 18:00, All delegates welcome. Contributors must attend in person.
	CIGRE Soirée	Delegates and Companions	Paris La Défense Arena	Yes	Cocktail reception 19:00 – 23:30 Address: 99, Jardins de l'Arche, 92000 Nanterre (Upon arrival at the Arena, the entrance will be "Gate 33")
Friday 28 Aug 2026	SC B3 – 63rd Annual Meeting	Regular SC meeting	342 B, level 3	No	Open to all SC Members (Regular, Observer, NGN, WiE), SAG, TAG, CAG and WG Convenors/Secretaries / Full day
	B3/D2.62 – Life-long Supervision and Management of Substations by use of Sensors, Mobile Devices, Information and Communication Technologies	Working Group	131	No	Nicolaie FANTANA nicolaie.fantana@outlook.com / 08:00-12:00

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Forecast Paris 2026 Meetings

Please contact the WG convener if you wish to attend

Date	Description	Meeting	Room	Open	Contact/Comments
Friday 21 Aug Sat 22 Aug	B3.70 – Guidelines for the Use of Advanced Technologies for Information and Knowledge Management in Substations	Working Group	313-314	No	Akira OKADA akira.okada@hitachienergy.com/ 09:00-17:00 Crina COSTAN crina.m.costan@gmail.com
Sun 23 Aug	B3.54 – Earthing System Testing Methods - historic approaches, recent developments and recommended approaches	Working Group	133	No	First meeting Stephen PALMER spalmer@safearth.com / 09:00-15:00
	B3.56 – Application of 3D Technologies in Substation Engineering Works	Working Group	328	No	Philip KONIG philip.konig@gmail.com / 14:00-17:00 Samuel NGUEFEU samuel.nguefeu@rte-france.com
	Opening Ceremony – Keynote speaker Tim MEYERJÜRGENS, CEO of Tennet Germany	Opening	Grand Amphi	Yes	15:30-17:30, Open to all delegates – Level 1 17:30-19:00, Opening ceremony cocktail – Level 1
	B3.64 – Guidelines on Optimising Seismic Design of Substations for Power Resiliency	Working Group	338	No	Atsushi ETO eto.atsushi@tepco.co.jp/ 13:00-18:00 Edgar RAMOS edgar.ramos_cordero@siemens-energy.com
Monday 24 Aug 2026	B3.64 – Guidelines on Optimising Seismic Design of Substations for Power Resiliency	Working Group	339	No	Atsushi ETO eto.atsushi@tepco.co.jp/ 08:00-12:00 Edgar RAMOS edgar.ramos_cordero@siemens-energy.com
	Opening Panel: Artificial Intelligence related advancements into the Electricity Industry	Conference	Grand Amphi?	Yes	08:30-12:45, Open to all delegates – Level 1
	B3.69 – Process Requirements for Commissioning and Inspection of Air Insulated Substations (AIS) and Gas Insulated Substations (GIS).s	Working Group	134-135	No	George BECKER george.becker@wsp.com/ 14:00-18:00 Jeff CAMDEN cam08529@sbcglobal.net
	B3.71 – Substations Improvements to Support Black Start Capability.s	Working Group	222	No	Crina COSTAN crina.m.costan@gmail.com/ 14:00-18:00 Colin WATSON colin.watson2@apa.com.au
	B3/C3.75 – Guidelines for End Of Life Treatment of Substations	Working Group	338	No	Christian WALLNER christian.wallner@siemens-energy.com/ 14:00-18:00
	B3 Tutorial (B3.56): "Application of 3D Technologies in Substation Engineering Works"	SC B3 Tutorial	Bordeaux	Yes	No registration required / 16:00 – 18:00 Tutors are P. KÖNIG, M. PEFFER and W. EYRICH
Tuesday 25 Aug 2026	**A3/B3/D1 Joint Workshop:** "SF_6 replacement and alternatives"	Workshop	342 AB	Yes	No registration required / 08:30 – 10:30 Moderator : René SMEETS Presenters : Nina Støa-Aanensen (A3), Karla Trost, Shenli Jia, André Lathouwers (B3), Karsten Juhre (D1)
	A3/B3/B5 Joint Workshop: "Digitalization of Switchgear and Substations: Implementation experience and integration with the Protection World"	Workshop	TBC 342 AB	Yes	No registration required / 10:30 – 12:30 Moderator: Frank RICHTER Presenters: Farnoosh Rahmatian (A3), Paolo Mazza (A3)
	SF_6 Green Book –	Working Group	131	No	Daniel STAIGER Daniel.Staiger@wika.com / 14:00-18:00 Mark KUSCHEL mark.kuschel@siemens-energy.com
	B3.54 – Earthing System Testing Methods - historic approaches, recent developments and recommended approaches	Working Group	133	No	Second meeting Stephen PALMER spalmer@safearth.com / 09:00-15:00

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Minutes of previous meeting

- **62nd meeting held Montreal and online, 2nd October 2025**

  https://cigregroups.org/x/GofeFQ

Pages / ... / SC B3 2025 Montreal, Quebec, Canada Modifier Voir les commentaires contextuels

2025 (62nd) B3 Annual Meeting Montréal, Québec, Canada

Créé par Samuel NGUEFEU, dernière modification le août 07, 2026

Our 62nd Annual Meeting will be held at the Palais des Congrès de Montréal in Room 525A, level 5 from 9:00 am to 5:30 pm AST (UTC - 4)

Please join from your computer, tablet or smartphone.

Microsoft Teams Besoin d'aide ?

Rejoignez la réunion maintenant | Click here to join the meeting

Meeting ID: 377 648 139 251 4

Secret code: UG3RL6B6

Join with a videoconferencing device

Clé du locataire: teams@ovp.cloud-rte-france.com

Videoconferencing ID: 121 489 504 0

Plus d'informations

Pour les organisateurs : Options de réunion



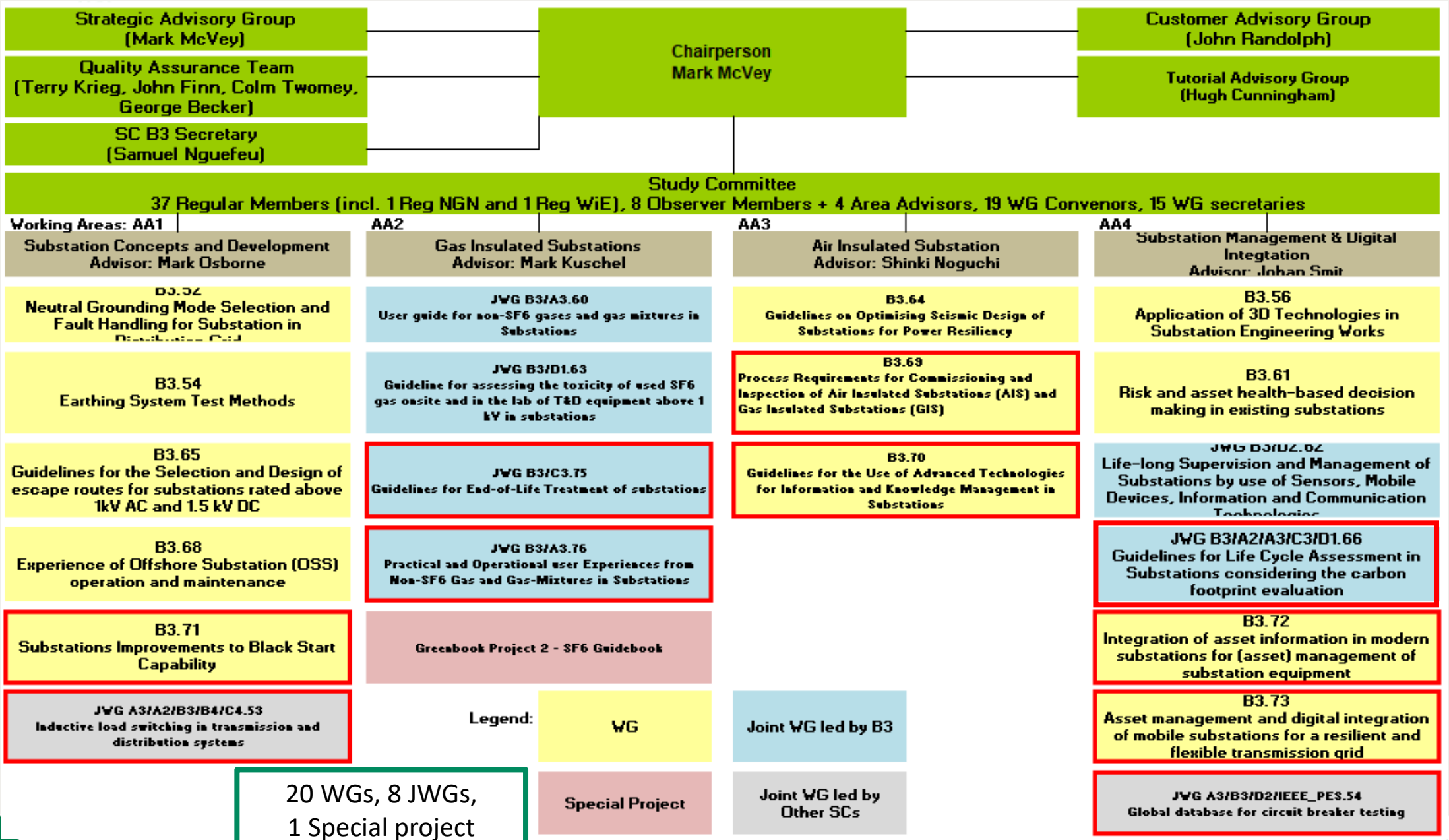


- Recruit more reviewers for 147 abstracts and +100 papers for Paris 2026 .
- Request members to vote for the tutorials you may like to see delivered in Paris 2026 session
- Recruit SC B3 members interested in serving as trainers for the Substation Training Course
- Request members to submit/update their self-introduction slides on KMS
- Promotion of the new LinkedIn page: https://www.linkedin.com/company/cigre-sc-b3
- Request all SC B3 members to complete the Annual Meeting satisfaction survey through this link: https://www.surveymonkey.com/r/ZBKR7ZT
- Organize an online webinar to explain expectations from new members.
- Completion List of keywords of existing brochures here https://cigregroups.org/x/M4IjF
- Short technical presentations: (i) Busbar Configurations for Data Center Substations. (ii) Micro-Substations for EV fast-charging along highways, 5G stations and rural electrification.
- New ToR for discussions: Underground substations

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SC B3 Structure 2026



20 WGs, 8 JWGs,
1 Special project

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SC B3 Structure after completion of 2026 TB publication plan

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Study Committee B3 Organisational Structure - after completion of 2026 TB publication plan

Strategic Advisory Group (Mark McVey)

Quality Assurance Team (Terry Krieg, John Finn, Colm Twomey, George Becker)

SC B3 Secretary (Samuel Nguefeu)

Chairperson Mark McVey

Customer Advisory Group (John Randolph)

Tutorial Advisory Group (Hugh Cunningham)

Study Committee
36 Regular Members (incl. 1 Reg NGN and 1 Reg WiE), 8 Observer Members + 4 Area Advisors, 9 WG or JWG led by B3 Convenors

Working Areas: AA1	AA2	AA3	AA4
Substation Concepts and Development Advisor: Mark Osborne	Gas Insulated Substations Advisor: Mark Kuschel	Air Insulated Substation Advisor: Shinki Noguchi	Substation Management & Digital Integtation Advisor: Johan Smit
B3.71 Substations Improvements to Black Start Capability	JWG B3/D1.63 Guideline for assessing the toxicity of used SF6 gas onsite and in the lab of T&D equipment above 1 kV in substations	B3.69 Process Requirements for Commissioning and Inspection of Air Insulated Substations (AIS) and Gas Insulated Substations (GIS)	JWG B3/A2/A3/C3/D1.66 Guidelines for Life Cycle Assessment in Substations considering the carbon footprint evaluation
JWG A3/A2/B3/B4/C4.53 Inductive load switching in transmission and distribution systems	JWG B3/C3.75 Guidelines for End-of-Life Treatment of substations	B3.70 Guidelines for the Use of Advanced Technologies for Information and Knowledge Management in Substations	B3.72 Integration of asset information in modern substations for (asset) management of substation equipment
B3.54 Earthing System Test Methods	JWG B3/A3.76 Practical and Operational user Experiences from Non-SF6 Gas and Gas-Mixtures in Substations	B3.64 Guidelines on Optimising Seismic Design of Substations for Power Resiliency	B3.73 Asset management and digital integration of mobile substations for a resilient and flexible transmission grid
B3.65 Guidelines for the Selection and Design of escape routes for substations rated above 1kV AC and 1.5 kV DC	Greenbook Project 2 - SF6 Guidebook		JWG A3/B3/D2/IEEE_PES.54 Global database for circuit breaker testing
B3.68 Experience of Offshore Substation (OSS) operation and maintenance			

Legend: WG | Joint WG led by B3 | Special Project | Joint WG led by Other SCs

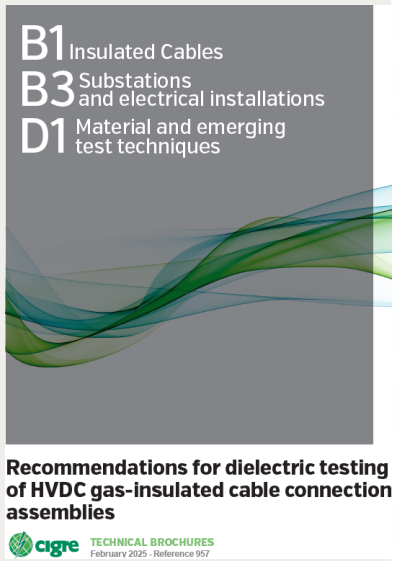
5 WGs, 6 JWGs incl. 2 JWG led by another SC

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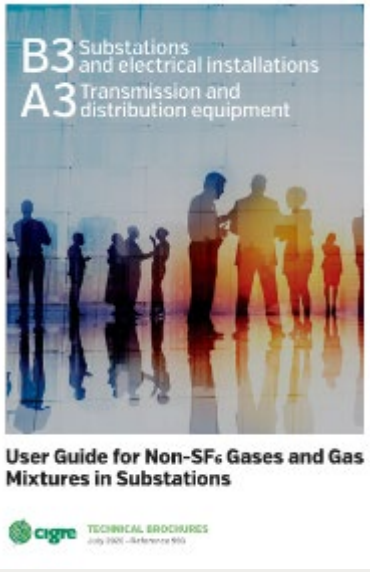
B3 Publications 2025-2026

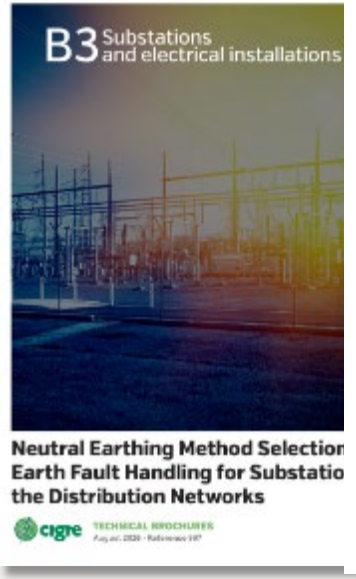
CIGRE member free download from e-cigre (https://e-cigre.org/)

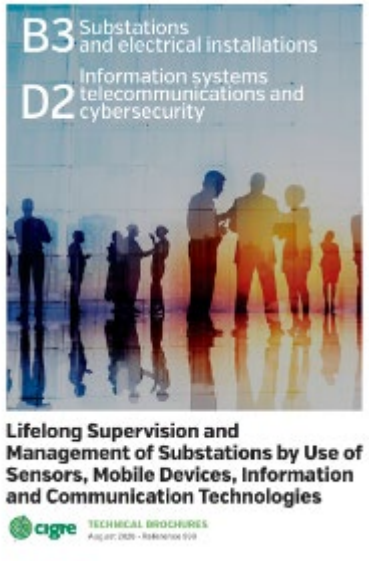
No.	WG	Title	Convener
957	B1/B3/D1.79	Recommendations for dielectric testing of HVDC gas insulated system cable sealing ends	Cornelis PLET (NL)
986	B3.61	Risk and asset health based decision making in existing substations	Jan BEDNARIK (IE)
993	B3/A3.60	User Guide for Non-SF6 Gases and Gas Mixtures in Substations	Piet KNOL (NL)
997	B3.52	Neutral Earthing Method Selection and Earth Fault Handling for Substations in the Distribution Networks	Theodor Connor (DE)
999	B3/D2.62	Lifelong Supervision and Management of Substations by Use of Sensors, Mobile Devices, Information and Communication Technologies	Nicolaie FANTANA
1000	B3.56	Application of 3D technologies in substation engineering works	Eduard KONIG (SA)













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