

Number	Allotment	Group	PS	Origin	NC Category	Title	Authors	Email	File	Decision	Group Origin	PS Origin	Comments from SC	Comments from TC
116	NCA	A3	PS1	NETHERLANDS	2	High-voltage Circuit-Breaker Test Statistics 2011-2016 and test Analysis Tools	R. SMEETS	<a href="mailto:rene.smeets@dnvgl.com">rene.smeets@dnvgl.com</a>	0116-A3-PS1-NCA-NL.pdf	Yes				
115	IA	C4	PS3	NETHERLANDS	2	requirements for models to study and prevent system separation and collapse	A. JANSSEN	<a href="mailto:anton.janssen@alliander.com">anton.janssen@alliander.com</a>	0115-C4-PS3-IA-NL.pdf	Yes			It is recommended that the authors specifically address the future role of EMT simulations in performing these types of power system security assessments as well as the potential use of hybrid simulations to reduce simulation run times. What elements of the power system can be represented in positive sequence (if any) and what should be represented via full three phase models? How is it best to represent certain protection functions (both generation and transmission) that may be exercised under extreme operating conditions?	
114	NCA	C1	PS1	NETHERLANDS	2	Flow Based Transmission Capacity Calculations for Investment Analyses - a Novel Approach for Network Development	S. GRAAFF, DE	<a href="mailto:susana.de.graaf@tennet.eu">susana.de.graaf@tennet.eu</a>	0114-C1-PS1-NCA-NL.pdf	Yes			This paper fits better in SC C1 PS3, as it focuses on system planning across many different interconnected TSOs, while apparently not giving much insight on social, stakeholder or uncertainty issues. As a planning approach, however, it describes the important principle of planning simulations needing to reflect operational realities (of the planning horizon future), and applies that principle in an innovative way to the advanced state of Continental Europe's wholesale electricity market. The authors already mention several references and are encouraged to provide more.	
113	IA	C4	PS3	NETHERLANDS	2	Impact of uncertainties in OHL and UGC modelling on transmission system harmonic behaviour	F. BARAKOU	<a href="mailto:f.barakou@tue.nl">f.barakou@tue.nl</a>	0113-C4-PS3-IA-NL.pdf	Yes			It would be beneficial if the authors could discuss the relevance of their findings to onshore wind farm MV collector networks given their prevalence and common use of UGCs.	
112	NCA	C4	PS1	NETHERLANDS	2	Measurement and analysis of harmonic data to assess disturbances in distorting installations connected to high and extra high voltage power supply systems	F. ERP, VAN	<a href="mailto:frans.van.erp@tennet.eu">frans.van.erp@tennet.eu</a>	0112-C4-PS1-NCA-NL.pdf	Yes				
111	NCA	A2	PS2	NETHERLANDS	2	modelling of winding frequency Response of a Large Power Transformer, based on design data, and comparison to Measured Results	M. LOUWERSE	<a href="mailto:mark.louwerse@sgb-smit.group">mark.louwerse@sgb-smit.group</a>	0111-A2-PS2-NCA-NL.pdf	Yes			Good synopsis.	
110	NCA	C4	PS2	NETHERLANDS	2	Application of C-type Harmonic Filters as Remedial Measure Against Temporary Overvoltages in Transmission Systems due to Harmonic Resonances	K. VELITSIKAKIS	<a href="mailto:konstantinos.velitsikakis@dnvgl.com">konstantinos.velitsikakis@dnvgl.com</a>	0110-C4-PS2-NCA-NL.pdf	Yes			The procedure proposed in the paper is sound and the paper is a useful contribution. We kindly suggest to include in the paper a detailed review of the previous contributions on the subject (e.g., CIGRE WG 33.10 and IEEE Task Force on TOV "Temporary Overvoltages: Causes, Effects and Evaluation" Cigré 1990 Session; Colla et al, Temporary Overvoltages due to Harmonic Resonance in Long EHV Cables, IPST 2007, Denetière et al., "Resonance and insertion studies with EMTF: Working with large scale network models", IPST 2011; Ohno et al., "Derivation of Theoretical Formulas of the Frequency Component Contained in the Overvoltage Related to Long EHV Cables", IEEE Trans. Power Delivery, 2012, Chrysochos et al., "Rigorous calculation method for resonance frequencies in transmission line responses", IET Generation, Transmission & Distribution, 2014).	

109	NCA	B4	PS2	NETHERLANDS	2	Design of the first public distribution DC grid in The Netherlands	W. JAGER, DE	<a href="mailto:will.dejager@dynniq.com">will.dejager@dynniq.com</a>	0109-B4-PS2-NCA-NL.pdf	Yes				
108	AA	A2	PS1	NETHERLANDS	2	Practical aspects of determining the hot-spot (factor) in large power transformers	K. SPOORENBERG	<a href="mailto:kees.spooreenberg@sgb-smit.groep">kees.spooreenberg@sgb-smit.groep</a>	0108-A2-PS1-AA-NL.pdf	Yes				
107	IA	C2	PS1	NETHERLANDS	2	Role of regional Security Coordinators in a changing world	D. KLAAR	<a href="mailto:danny.klaar@tennet.eu">danny.klaar@tennet.eu</a>	0107-C2-PS1-IA-NL.pdf	Yes				
106	AA	C4	PS3	NETHERLANDS	2	Hardware in the loop platform for testing the wind turbine type 4 ability of improving frequency stability of power systems	J. RUEDA TORRES	<a href="mailto:J.L.ruedatorres@tudelft.nl">J.L.ruedatorres@tudelft.nl</a>	0106-C4-PS3-AA-NL.pdf	Yes			Recommended title: "Hardware in the loop testing of Type 4 Wind Turbine Generator controls to assess contributions to power system frequency stability". To maximise the value of this paper, the authors should look to extend their discussions to include the interaction between frequency control and other control modes embedded within WTG's, specifically their fault ride through (FRT) response. The value of RTDS simulation would be very well demonstrated by considering the frequency control capability of WTG's in the presence of "real" power system disturbances that may begin with a voltage disturbance and then evolve into a frequency disturbance with varying ROCOF. Basic frequency control functionality is well known and this paper needs to build on that foundation to demonstrate the benefits of the RTDS platform.	
105	AA	C4	PS1	NETHERLANDS	2	Zero-sequence currents in the high voltage grid in the Netherlands	S. NAUTA	<a href="mailto:sjoerd.nauta@alliander.com">sjoerd.nauta@alliander.com</a>	0105-C4-PS1-AA-NL.pdf	Yes				
104	AA	C2	PS1	NETHERLANDS	2	VSC-MTDC system analysis by employing an extended interaction factor	J. RUEDA TORRES	<a href="mailto:J.L.ruedatorres@tudelft.nl">J.L.ruedatorres@tudelft.nl</a>	0104-C2-PS1-AA-NL.pdf	No				
103	IA	B4	PS1	NETHERLANDS	2	Power Semiconductors for Energy Transmission	K. KOREMAN	<a href="mailto:kees.koreman@tennet.eu">kees.koreman@tennet.eu</a>	0103-B4-PS1-IA-NL.pdf	Yes			The authors are requested to show in the paper how the optimal design referred to in the synopsis will achieve best performance of the converter clearly addressed	
102	AA	B1	PS1	NETHERLANDS	2	Dry-type branched joint for 72-kV extruded cable systems	J. ROSSUM, VAN	<a href="mailto:j.vanrossum@prysmiangroup.com">j.vanrossum@prysmiangroup.com</a>	0102-B1-PS1-AA-NL.pdf	Yes			Technical progress in this type of Y branch joint to be described in the full paper because this type of joint is already available.	
101	AA	B1	PS1	NETHERLANDS	2	Ampacity calculation method for deeply buried wind farm AC submarine export cables	D. VREE	<a href="mailto:d.vree@ensol.nl">d.vree@ensol.nl</a>	0101-B1-PS1-AA-NL.pdf	Yes				
100	AA	C3	PS2	NETHERLANDS	2	How does visual impact influence the public acceptance of overhead lines and other national infrastructures	S. BERG, VAN DEN	<a href="mailto:susan.vanden.berg@tennet.eu">susan.vanden.berg@tennet.eu</a>	0100-C3-PS2-AA-NL.pdf	Yes				
99	IA	B1	PS1	NETHERLANDS	2	Challenges for the repair strategy of 380kV cable systems	J. SMIT	<a href="mailto:jacco.smit@tennet.eu">jacco.smit@tennet.eu</a>	0099-B1-PS1-IA-NL.pdf	Yes				
98	AA	B1	PS2	NETHERLANDS	2	Feasibility evaluation of existing AC cable joints under DC operating conditions	A. LEWARKAR	<a href="mailto:a.lewarkar@lovink.com">a.lewarkar@lovink.com</a>	0098-B1-PS2-AA-NL.pdf	Yes				
97	NCA	C4	PS2	NETHERLANDS	2	Merits and Challenges of a Differentiating-Integrating Measurement Methodology with Air Capacitors for High-Frequency Transients	F. BARAKOU	<a href="mailto:f.barakou@tue.nl">f.barakou@tue.nl</a>	0097-C4-PS2-NCA-NL.pdf	Yes			The topic is interesting. The final paper is expected to provide a detailed description of the measuring technique, devices, results and the procedure proposed to limit EMC problems. The paper should better clarify the type of simulation models that will be validated by the experimental results. Moreover the presentation of Fig. 2 should better clarify the type of maneuver (what is the circuit breaker that is operated? Are the poles of the circuit breaker synchronized?)	
96	IA	A3	PS3	NETHERLANDS	2	Evolution of functional requirements for MV switchgear	A. JANSSEN	<a href="mailto:anton.janssen@alliander.com">anton.janssen@alliander.com</a>	0096-A3-PS3-IA-NL.pdf	Yes				