

Generator Subcommittee (GSC) Report (July, 2015)

There are currently 53 members of the subcommittee as listed on the GSC roster (based on 2014 attendance). The roster has more than doubled since 2014 (per attendance in 2013). Our most recent annual meeting was held in National Harbor MD, July 2014. The next meeting is scheduled for the week of July 27, 2015, in Denver CO.

Current GSC Officers are as follows:

Chairperson: John Yagielski (john.yagielski@ge.com)
Vice Chairperson: William G. Bloethe (William.g.bloethe@sargentlundy.com)
Secretary: Raul Rico (raul.rico@siemens.com)

Current Working Group (WG) Activities are summarized below:

WG1 Awards	The Awards & Recognition WG reports out at the EMC level. Please refer to the EMC report.
WG5 Revision of IEEE 492	The working group started in 2010. The PAR has not been completed as of 2010. No report was sent from this WG for 2012-2015.
WG8 Harmonization of IEC and IEEE Concerning IEEE C50	The 2014 version issued in April 2014. The WG will continue working to address further comments and harmonization. Revision to account for new grid codes will be considered based on the results of the Grid Code Task Force.
WG10 Generator On-Line Monitoring	The guide issued April 2014. The WG activity is complete.
Grid Code Task Force	A task force was initiated at the 2014 General Meeting, with the intent to provide recommendations for changes to IEEE C50.13 in accordance with new international grid code standards. Their report is intended to be complete by 7/2016.

Please see Table 1 (attached) for a summary of the IEEE standards and guides that are maintained by the Generator Subcommittee, for reference only.

New Business

WG7 Regarding revision to IEEE 1110 (Guide for Synchronous Generator Modeling Practices and Applications in Power System Stability Analyses) has convened.

There are several other standards approaching their due date in the next few years, so the GSC is anticipating new WG associated with IEEE 1665 & 115.

Prepared by:

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7/09/2015

**Table 1. Summary of IEEE Standards & Guides maintained by the
Generator Subcommittee - STATUS**

Standard No.	PAR No.	IEEE No.	Title	Status	Expiration Date	IEEE-SA Standards Board Approval Date	WG #	Note
67 – 2005 (R2010)		67	Guide for Operation and Maintenance of Turbine Generators	Published 8-5-2006	9/30/2020	11/29/2005		
95 – 2002 (R2012)		95	IEEE recommended practice for insulation testing of AC electric machinery (2300 V and above) with high direct voltage	Published 12-4-2002	12/31/2018	3/21/2002		
115 – 2009		115	Test Procedures for Synchronous Machines Part I – Acceptance and Performance Testing Part II – Test Procedures and Parameter Determination for Dynamic Analysis	Published 7-05-2010	12/9/2019	12/9/2009		
492 – 1999 (R2011)		492	Guide for Operation and Maintenance of Hydro-Generators	Published 19-2-1999	3/31/2021	1/28/1999	WG-5	
1110 – 2002 (R2007)		1110	Guide for Synchronous Generator Modeling Practices and Applications in Power System Stability Analyses	Published 11/11/2003	12/31/2018	11/11/2002	WG-7	
1129-2014		1129	Recommended Practice for Monitoring and Instrumentation of Turbine Generators	Published ~4/2014	~4/2029	~4/2014		
1665-2009		1665	Guide for the Rewind of Synchronous Generators, 50 and 60 Hz, rated 1 MVA and above	Published 12-02-2010	9/11/2019	9/11/2009	WG-3	
C50.12-2005 (R2010)		C50.12	Standard for salient-pole 50 Hz and 60 Hz synchronous generators and generator/motors for hydraulic turbine applications rated 5 MVA and above	Published 15-2-2006	9/30/2020	9/22/2005		
C50.13-2014		C50.13	Standard for cylindrical rotor 50 and 60 Hz synchronous generators rated 10 MVA and above	Published 4/2014	~4/2029	~4/2014	WG-8	