

# IEC Systems activities

An update for IEC TC 100 AGS prepared by Kate Grant

## AC/22/2017 Systems Activities 2017-07-28

- This Administrative Circular describes the content and nature of the deliverables of SyCs and the procedural and organizational setup to develop such deliverables.
- It reflects the 16 recommendations from SMB AhG 70 which were accepted by the SMB in June.
- There are some new publications which can only be produced by an SyC -- Systems Reference Documents (SRDs); they are intended to be guidance documents and are not normative
- SyCs will use the same procedural steps and voting as used for Technical Specifications.

## New type of membership for an SyC: Contributing Member - 1

- **Definition of C-Members:**

- Any TC and non-IEC group that is determined to have meaningful inputs to the work of the SyC can be named "Contributing Member" of the SyC ( "C-Member" )
- C-Members can be TCs/SCs (including ISO/IEC JTC 1 SCs) or technical groups (outside of the IEC) and must be approved by a vote of the Systems Committee P-Members, with notification to the SMB through the RSMB report.

- **Procedures:**

- C-Members will be registered in the IEC Experts Management System when named by the SyC
- The list of C-Members shall be listed on the IEC web page for the SyC. Contact points for Contributing Members shall be maintained by the SyC Secretariat.
- Each SyC plenary will review the list of C-Members and recommend any additions or removals.

## New type of membership for an SyC: Contributing Member - 2

- **Tasks/Rights:**

- C-Members (TCs and Non-IEC groups) can appoint experts to the expert pool.
- Members shall have the right to provide comments (but not Vote) on any SyC document circulated for comment or voting.
- Contributing Membership held by an IEC TC in the SyC will allow all experts in that TC to have access to the SyC Documents on the dashboard.
- C-Members do not have the right to introduce documents into the SyC for voting and approval. Any Organization which wishes to bring in documents to the SyC should use the normal A, B or D Liaison process.
- C-Members shall have the ability for a designated representative to participate in the SyC Plenary (without vote).

## Pool of Experts – a new concept

- This will enable the NCs to appoint experts to an SyC pool (managed by the SyC) with access to projects and groups, rather than to specific WG or document projects.
- System committees can define a call for experts based on skill set description and can ask experts appointed to the pool to respond to a survey on their skill set inventory.
- NCs are encouraged to appoint all interested members of the predecessor SEG to the SyC Pool of Experts for the first three years of the SyC, subject to their willingness to meet normal NC criteria for experts (qualifications and/or fees, etc.).
- NCs are encouraged to consider the appointment of SyC experts recommended by the SyC officers.
- Any expert appointed to the SyC Pool will have access to all of the documents for the SyC.
- C-Members are also encouraged to appoint experts to the membership pool.

## Current Systems Evaluation Groups

- IEC SEG 5 Systems Evaluation Group -- Electrotechnology for Mobility
- IEC SEG 6 Systems Evaluation Group -- Non-conventional Distribution Networks/Microgrids
- IEC SEG 7 Systems Evaluation Group -- Smart Manufacturing
- IEC SEG 8 Systems Evaluation Group – Communication Technologies and Architectures of Electrotechnical Systems
- IEC SEG 9 Systems Evaluation Group -- Smart Home/Office Building Systems

*Note: Systems Evaluation Groups are to be renamed Standards Evaluation Groups*

## Current Systems Committees

- SyC Smart Cities: Electrotechnical aspects of Smart Cities
- SyC AAL: Active Assisted Living
- SyC Smart Energy
- SyC Low voltage Direct Current and Low voltage Direct Current for Electricity Access

## Implications for IEC TC 100

- TC 100 can consider becoming a Contributing Member or setting up a liaison with Systems Committees.
- However C-Members do not have the right to introduce documents into the SyC for voting and approval. Any Organization which wishes to bring in documents to the SyC should use the normal A, B or D Liaison process.
- What is the right future relationship for IEC TC 100 and SyC Smart Cities, and IEC and other SyCs?
- TC 100 may want to work with SyC-AAL to convert some of their work into ISs where appropriate.
- SEG 7 is likely to become SyC Smart Manufacturing, what involvement will be appropriate if so?
- SEGs have a limited life and a similar assessment will need to be made about involvement in the new SEG 8 and SEG 9.