Architecture

CHAIR
Mike Wilkinson (mike.wilkinson@atkinsglobal.com)

CO-CHAIRS
Richard Martin (richardm@tinwisle.com)
Anand Kumar (anand.ar@tcs.com)
Jean-Luc Garnier (jean-luc.garnier@thalesgroup.com)

MEMBERS
10 core, 150 occasional

INCOSE CONNECT ADDRESS
https://connect.incose.org/WorkingGroups/awg/Pages/Home.asp

INCOSE WEB PAGE
http://www.incose.org/ChaptersGroups/WorkingGroups/process/architecture
Charter Summary

WG PURPOSE/MISSION

The purpose of the AWG is to expand the practice of architecture and advance the body of knowledge. Architecture is an integral part of the concepts and practice considered by Systems Engineering (SE) and other disciplines/specialities, and it must evolve with ongoing advancements whatever their origin. Therefore a standing working group is needed to facilitate and focus ongoing advances in all levels and types of Architecture and to support collaboration across INCOSE, across disciplines/specialities and with other international bodies that have a common interest.

WG GOAL(S)

The primary stakeholders of the AWG are practitioners, researchers, domain experts and tool developers in all levels and types of Architecture. The AWG seeks to accomplish standing goals and goals are established each year at the INCOSE IW.

Within the context of Systems Engineering, the AWG pursues the following standing goals:

- Advance and evolve the body of knowledge on architecture
- Promote the use and practice of architecture
- Share best practices for the use of architecture
- Expand the effort in architecture related standards and specifications.

These goals are conducted in association with other bodies where appropriate. For example, over several years the ISO working groups JTC1/SC7/WG42 and TC184/SC5/WG1 have been ‘customers’ for AWG input and collaborations with the IEEE, OMG and FEAPO have been established.

WG SCOPE

The AWG will address Architecture in relevant areas (such as Traditional Systems, Enterprises and Software) as it relates to Systems Engineering applied to all levels and types of systems.
IW Outcomes

Total attendance – 34
Presentation, including Q&A, from editors of both SE Handbook and SE Body of Knowledge
Agreed to respond to Tools Database inquiries as a WG rather than individually
Agreed to continue supporting UK Architecture Styles initiative
Agreed to support work by UK and India Chapters to produce guides/primer for System Architecting and encourage both chapter to work with INCOSE on international distribution
Discussed need to continue alignment and convergence of the various civil and military oriented architecture frameworks (i.e. NAF, UAF, TOGAF, Archimate, etc.) as a single effort beyond 90% to avoid confusion in user community
Discussed ways in which architecture facilitates dialog between system science and system engineering communities (result of presentation on use of Effects-based Models)
Discussed use of 420xx standards and UK styles approaches to architecture in context of product lines
Discussed terminology concerns of INCOSE liaison w.r.t. ISO 15704.2 and need for better explanation of term use and meaning
Planned Work past IW

PLANNED ACTIVITIES

Support to SE Handbook and SE Body of Knowledge updates
Support to Tools Database initiative
Support to alignment and convergence of the various civil and military oriented architecture frameworks (i.e. NAF, UAF, TOGAF, Archimate, etc.)
Cross WG activity involving System Science and Architecture Working Groups

PLANNED WORK PRODUCTS

Specific inputs to SE Handbook and SE Body of Knowledge, to be determined
Domain specific inputs to Architecting Styles initiative, to be determined
Production of International AWG introductory guide for System Architecting, based on work by UK and India Chapters