# INCOSE Alliance Objectives and Accomplishments

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## **INCOSE Outreach**

- Overarching objective:
  - "Through the formation of Alliances, the state of best practice may be improved by joint work programs and joint promotion."

- It is focused on working together to improve and evolve Systems Engineering.
  - Alliances are intended to be expressions of current mutual benefit



# Objectives in alliances across the industry

#### We seek:

- Alignment of Goals, Values and Principles between INCOSE and the target organization
- Tangible purpose to the Alliance, which has a demonstrable benefit to both parties
- Leverage the strengths of both organizations to provide superior results
- Ensure results are available to each organization via acceptable T's & C's
  - Preferentially available to all members of both organizations
- Identify mechanisms to enable greatest level of sharing
- Influence consistent evolution of Systems Engineering



# **Outreach Targets**

- Professional and industry associations;
- Standards bodies;
- Academic institutions;
- National agencies;
- Other certification bodies.

 Each will have different types of objectives and outcomes / products from the Alliance



## Our current alliances – outreach collaborations

#### Some Key Alliances

- PMI
- OMG
- IEEE-CS
- SERC
- NDIA SED (informal)
- MORS
- NAEFMs
- PSM
- ISSE
- IEEE SMC (MOU in progress, but working)
- SAE (MOU in progress, but working)
- IISE (MOU in progress, but working)
- ITEA (expanding relationship)

### Some of the Liaisons:

- ISO/IEC JTC1/SC7
- ISO/IEC JTC1/SC27
- ISO TC 184
- IEEE SA S2ESC
- ABET



# Accomplishments – a few examples

- SEBoK
- University Curricula / Accrediation
  - GRSCE
  - Systems Criteria for Accreditation
  - Curriculum requirements for Cyber Security
  - Industry Advisory Council of ABET
- Standards Influence extensive
- SysML
- Industry Assessment
  - Mission Engineering IndustryPerspective

- Joint Publications
  - SE-PM Integration
  - Lean Enablers for SE
  - SE Leading Indicators
  - Technical Measurement
  - Journal of EnterpriseTransformation
  - Many others
- SE Certification
  - Ties with Chartered Engineers in UK and Australia
  - Equivalency program in Germany

## Opportunities between INCOSE and IEEE Systems Council

- Joint objectives between INCOSE WGs and IEEE TCs (5 matches identified)
  - Products
  - Coordinated positions
- Interaction between chapters shared meeting, speakers, etc.
- Professional Development
  - Joint Webinars
  - Shared training
- Conferences / Events
  - Joint conferences (e.g., discussing Cyber Security Conference, HSI Conference)
  - Co-sponsored (such as Systems Conference)
  - Events calendars Shared events calendar / shared information for events calendars
- Initiatives
  - MBSE / Digital Engineering
  - SE of the Future
  - SEBoK Additional sponsor for ongoing sustainment and enhancement
- Standards Collaboration
- Others?



## Ideas from the discussions with WG and TC leaders

- Share newsletters and email announcements
- Invite opposite members to meetings and presentations
- Invite opposite members to make presentations at chapter meetings
- Offer member rates to events
- Explore collaborations on projects of common interest to some members of each group
- Create special interest groups for topics of common interest
- Co-sponsor local and regional events
- Encourage "branding" of both organizations at co-sponsored events
- Provide samples of back editions of various publications at these events
- Propose and co-edit special issues of transactions for topics of interest to both organizations
- Encourage groups to join together to write papers for newsletters and transactions for topics of shared interest
- Encourage groups to work together on development of relevant standards and guidelines

