

1 PURPOSE

The purpose of the Requirements Working Group (RWG) is to advance the practice, education, and theory of requirements development and management and their relationship to other systems engineering functions.

2 GOAL

To expand and promote the body of knowledge of requirements and its benefits within the systems engineering community.

3 SCOPE

Activities relating to best practices for requirements development and management throughout the product lifecycle including:

- Elicitation
- Elaboration
- Expression
- Analysis
- Management
- Verification and Validation

4 SKILLS AND EXPERTISE REQUIRED

Representation from the following:

- Requirements practitioners and educators
- Relevant standards body participants
- A diversity of experience levels, disciplines, domains, organizations, enterprises, cultures, and nations

5 MEMBERS, ROLES AND RESPONSIBILITIES

The leadership team consists of a chair and co-chairs.

The chair:

- Coordinates working group activities
- Plans and conducts meetings
- Arranges coordination with other INCOSE working groups, other professional societies, commercial and industry committees, government organizations, and academic institutions
- Assigns activity leads
- Represents the working group in the INCOSE organization
- Reports status to the technical operations
- Participates in technical operations meetings and telecons
- Manages work product creation and maintenance
- Coordinates review of papers, panels and tutorials for the INCOSE symposia
- Submits technical project plans (TPP) for specific activities as required
- Hold meetings at the international workshops, as required
- Update the quad chart for the international workshops.

Co-chairs support their chair with leadership responsibilities as delegated by the chair.

Members:

- Contribute the benefit of their experience
- Promote the purposes of the group
- Write, edit and review work products
- Liaise with other working groups and organizations
- Assist the leadership team with specific activities

6 OUTCOMES (PRODUCTS/SERVICES)

The requirement working group will realize the following outcomes:

- Maintain the working group charter
- Maintain the Guide to Writing Requirements
- Contribute to the requirements-related portions of the SE handbook and SEBoK
- Contribute to the development of SE ontologies
- Formulate guidance for the development and management of requirements in a model-based environment.
- Maintain the RWG's websites
- Support standards activities relevant to requirements engineering

7 APPROACH

The RWG will achieve its purpose and realize its goals by:

- Meeting at international workshop and international symposium
- Meeting virtually via telecom as needed
- Maintaining our work products
- Recruiting champions to lead activities
- Carrying out assignments outside of meetings
- Using INCOSE RWG discussion groups to facilitate discussions among RWG members
- Promoting RWG membership collaboration with other INCOSE working groups, other professional societies, commercial and industry committees, government organizations, and academic institutions
- Communicating to RWG members and interested INCOSE members via
 - RWG websites
 - RWG threaded discussions
 - INCOSE tutorials and webinars

8 MEASURES OF SUCCESS

The RWG measures of success include:

- Number of RWG Members
- Attendance at RWG meetings
- RWG meeting outcomes
- Liaison participation with other groups
- Contributions to INCOSE RWG discussion groups
- Promotional and educational activities (presentations, webinars)
- New and updated work products
- Symposium contributions (paper, panel or tutorial submission)

9 RESOURCE REQUIREMENTS