

1 PURPOSE

Promote shared understanding, education and advancement of measures, measurement practices, measurement tools/support, and the overall measurement process as applied to systems engineering.

2 GOAL

The measurement working group supports a wide variety of measurement initiatives including supporting INCOSE measurement products (Measurement Primer, Metrics Guidebook, Technical Measurement Guide, SE Handbook) as well as joint measurement products (SE Leading Indicators Guide, PSM Guide).

Current Initiatives:

- PSM Guide (the Systems part), revision to Section 1
- Measurement Supplement to SE Handbook
- INCOSE Joint Project with Knowledge Management Working Group to develop Wiki
- CAB Need: define SE measures/factors and collect data for determining effectiveness and efficiency (performance) of programs, and disseminate information

3 SCOPE

The Measurement Working Group supports a wide variety of measurement initiatives including supporting INCOSE measurement products (Measurement Primer, Metrics Guidebook, Technical Measurement Guide, SE Handbook) as well as joint measurement products (SE Leading Indicators Guide, PSM Guide).

4 SKILLS AND EXPERTISE REQUIRED

The Measurement Working Group members need to have a desire to advance the understanding, education and advancement of measures, and measurement practices. The group consists of those with years of measurement experience and those just beginning the journey. As a volunteer organization, the willingness to contribute time to the initiatives of the working group is key. Skills desired include: experience with measures in the all roles(Project, Company, Industry), editing, writing, and leadership.

5 MEMBERS, ROLES AND RESPONSIBILITIES

List the names of members and briefly describe their responsibilities.

- Lead: Paul J. Frenz
 - o Lead Measurement Working Group Meetings
 - o Scheduling periodic meetings,
 - o Arrange INCOSE International Workshop MWG sessions
 - o Taking meeting minutes,
 - o Maintaining access to Connect MWG site
 - o Maintaining INCOSE MWG email group



INCOSE Measurement Working Group Charter

- The lead shall be responsible for status reporting to the Assistant Director for Knowledge.
- Co-Lead(s): Beth O'Donnell
 - Responsibilities to backup lead
- Members are too numerous (40+) and dynamic to list. Please refer to MWG member list in Connect.

6 OUTCOMES (PRODUCTS/SERVICES)

The Measurement Working Group maintains the following Products in whole or in part:

- Measurement Primer,
- Metrics Guidebook,
- Technical Measurement Guide,
- SE Handbook (Chapter 5, Section 3)
- SE Leading Indicators Guide,
- PSM Guide, Section 1

Technical Project Plans (TPP's) shall be submitted for other initiatives.

7 APPROACH

The Measurement Working Group's approach is to:

- Meet every other month for entire team
- Meet as needed for individual initiatives
- Solicit volunteers for initiatives include leads
- Decision making is done by consensus
- Communications is all through email

8 MEASURES OF SUCCESS

The Measurement Working Group sets goals for in individual projects. Depending on the scope of the individual project that might be a several month project to a several year project. The Measurement Working Group will consider its success based on its ability to meet the measurement needs within SE.

9 RESOURCE REQUIREMENTS

The Measurement Working Group continues to thrive on the volunteer efforts of its members contribution countless hours to advance the overall measurement process as applied to systems engineering.

10 DURATION

Charter will remain in effect until rescinded by the signatory.



INCOSE Measurement Working Group Charter

11 SIGNATURES

Enter the signature block of the submitter: Paul J. Frenz

Date: 10/31/2010

1st Level of Approval

Date

August 23, 2011

Technical Director, INCOSE

2nd Level of Approval (Note this will be added by the INCOSE Technical Director when deemed appropriate.)

Chairman, INCOSE Board of Directors

Date

Revision History

<u>Date</u>	<u>Revision</u>	<u>Description</u>	<u>Author</u>
10/31/2010	1.0	Initial Draft.	Paul J. Frenz