

1 PURPOSE

To work with the INCOSE Technical Operations Working Groups to establish the functional needs needed in systems engineering tools, develop a vetted tools capability analysis review and to host an SE Tools Database as a resource for systems engineers to obtain information on tools based on their specific needs.

2 GOAL

The TDWG sponsors the INCOSE Systems Engineering Tools Database on the main INCOSE Website. The ToolsDB includes a General Tools database (currently, over 1600 entries), and three survey response databases:

1. Requirements Management
2. Systems Architecture
3. Measurements

3 SCOPE

The TDWG has efforts underway to come up with a plan for keeping the information up-to-date and mapping it to a SE taxonomy to make it easier to use.

4 SKILLS AND EXPERTISE REQUIRED

The TDWG uses the skills and expertise of our membership. Specific gaps exist with the format of the database. Previously, expertise has been contracted outside of INCOSE.

5 MEMBERS, ROLES AND RESPONSIBILITIES

List the names of members and briefly describe their responsibilities.

- Lead: Randy Bullard
 - o Chair the TDWG
 - o Responsible for status reporting to the Assistant Director for Knowledge
- Co-Lead: Dona Lee
 - o Administration and upkeep of tools databases
 - o Responsible to act in the absence of the lead
- Board Sponsor(s)/Champion(s): John Nallon
 - o Provides guidance
 - o Responsible for resource advocacy and status reporting to the INCOSE Technical Operations board and other internal and external stakeholders
- Members : ~ 15, number varies at each International Workshop

6 OUTCOMES (PRODUCTS/SERVICES)

The TDWG has the following planned work:

1. Review and update current SE Tools Database (in-work)
2. Initiated design of Next Generation Tools Database System including stakeholder identification, functional analysis, and dialogue with current Architecture and Requirements Working Group partners (in-work)

3. Develop proposal requesting INCOSE funds to build the Next Generation Tools Database system.

7 APPROACH

The general approach that will guide the TDWG include the following:

- Meeting frequency of the entire WG: every IW
- Decision making: at IW, daily done by Chair and Co-chair
- Accountability: Chair and Co-chair
- Communications: Chair and Co-chair

8 MEASURES OF SUCCESS

The TDWG's overall measures of success include the following:

- Currency and relevance of our databases
- Number of tools in our databases
- Number of working group members

9 RESOURCE REQUIREMENTS

Overall resources required for the TDWG to attain success are the following:

- Personnel: need to keep working group membership active and strong
- Funding: may require some funding to make changes to databases

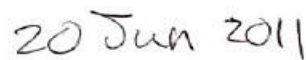
10 DURATION

This Charter will remain in effect until rescinded by the signatory.

11 SIGNATURES

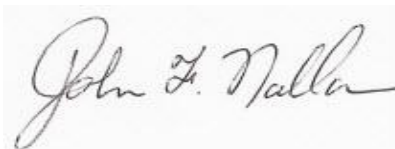


Chair, Tools Database Working Group



Date

1st Level of Approval



Assistant Director Technology Enablers

June 20, 2011

Date



INCOSE Tools Database Working Group Charter

2nd Level of Approval

Director, INCOSE Technical Operations

Date

Revision History

<u>Date</u>	<u>Revision</u>	<u>Description</u>	<u>Author</u>
28 Sep 10	1.0	Initial Draft	Randy Bullard
6/19/2010	1.1	Minor wording updates and signature changes	John Nallon