



Technical Panel

Myriad Multiplying Risk Management Standards

10:00 a.m. – 11:30 a.m.

Robert N. Charette

Mark A. Powell

Ray C. Williams

Stan Mastrangelo (for Alf Dolan)

Richard W. Kitterman

Garry J. Roedler



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Jack Stein (organizer/moderator)

Terumo Cardiovascular Systems Corp. / INCOSE RMWG

July 12, 2006

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- The number of risk management standards, guides and recommended practices has increased appreciably in the past decade.
 - Are the inconsistencies a problem?
 - Or, is all well?
 - What role should INCSOE take?

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A sample of what is available today

ISO/IEC Guide 73	Risk management – Vocabulary – Guidelines for use
ISO 17666	Space systems – Risk management
MIL-STD-882D	DoD Standard Practice for System Safety
ISO 14971	Medical devices – Application of risk management to medical devices
AAMI TIR 32	Medical device software risk management
IEC 61508	Functional safety of electrical/electronic/programmable safety-related systems
ISO/IEC 16085	Information technology – Software life cycle processes – Risk management
Carnegie Mellon SEI	CMMI Risk Management (RSKM) process area
AIRMIC/ALARM/IRM	A Risk Management Standard
PMI	Book of Knowledge (Risk Management subject area)
IEC 60812	Analysis technique for system reliability – Failure mode and effect analysis
IEC 60300-3-9	Dependability mgmt application – Risk Analysis of technological systems
IEC 61025	Fault tree analysis (FTA)
INCOSE	SE Handbook, 5.6/7.7 Risk and Opportunity Management (15 pages)

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- Our panel today bring together six of the world's top risk management professionals
 - Robert N. Charette
 - Mark A . Powell
 - Ray C. Williams
 - Stan Mastrangelo (for Alfred M. Dolan)
 - Richard W. Kitterman
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- Panelists' Backgrounds
 - Work Group Chairs: ISO/IEC 16085 and ISO 14971
 - INCOSE liaison to ISO
 - WG membership: ISO/IEC/IEEE 12207, ISO/IEC 15288, ISO/IEC JTC1/SC7/WG7, ISO/IEC 15939
 - Co-Author: CMMI RSKM Process Area / SEI Continuous RSKM Guidebook
 - VP of Administration and Founder: PMI RiskSIG
 - Chair and Vice-Chair INCOSE RM

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- Panelists' Affiliations
 - Northrop Grumman
 - Lockheed-Martin
 - ITABHI Corp.
 - Abbot Labs
 - Steven's Institute
 - Virginia Polytechnic Institute
 - University of Toronto
 - Carnegie Mellon University

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- Panel Agenda

- Panelist presentations (10:00 a.m. – 11:00 a.m.)
- Q&A and discussion (11:00 a.m. – Lunch)

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Welcome!

Please:

Cell phones off.

Fill out questionnaires.