



ISO/IEC JTC1/SC7
Software and Systems Engineering
Secretariat: CANADA (SCC)

ISO/IEC JTC1/SC7 /N2843

2003-05-21

Document Type	Study Group Report
Title	WG 7 Convener Harmonization Study Group Report - to ISO/IEC JTC1/SC7 AG Meeting, Montréal, Canada, 2003-05-11
Source	WG 7 Convener
Project	
Status	Final
Reference	
Action ID	FYI or ACT
Due Date	
Distribution	AG
No. of Pages	9
Note	

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Harmonization Study Group

Report to the Advisory Group Montreal 2003

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Background

- SC 7 Resolution 665 established the Study Group in Busan 2002
- Tasked to plan the revision of ISO/IEC 15288 and ISO/IEC 12207
- Objectives of internal harmonization and with other relevant standards
- Harmonization Study Group Report
 - Letter ballot was distributed as N2684
 - Comment disposition was distributed as N2736
 - Final report was distributed as N2817

Terms of Reference of the Study Group

1. Provide input to the WG 7 vision for Life cycle management standards
2. Provide the rationale for, and scope of, the effort to harmonize the WG 7 Life Cycle Process Standards, based on SC 7 Resolution 629
3. Incorporate harmonization activities resulting from the SC 7 N2573 Report from the Study Group on System Engineering
4. Define the process model to be applied for the harmonization
5. Provide a preliminary schedule for the harmonization effort

Provide input to the WG 7 vision

- WG 7 will prepare a Business Plan incorporating:
 - The intent of the SC 7 Direction Statement 2003-2008
 - The “2020 vision for ISO/IEC 12207” WG 7 N0315
 - Documents grouped and prioritized in SC 7 N2817
- This Business Plan will outline the WG 7 program of work for the next five years

Provide the harmonization rationale and scope

- Harmonization rationale:
 - Need to combine ISO/IEC 12207 and its Amendment
 - Comments deferred during ISO/IEC 15288 development
 - Ensure complementary level of detail
 - Differences in architectural principles
 - Overlaps and incompatibilities
- Harmonization scope and priorities:
 1. ISO/IEC 15288 & ISO/IEC 12207
 2. Their Guides plus ISO/IEC 15939, ISO/IEC 15504
 3. Other documents that elaborate on SC 7 processes

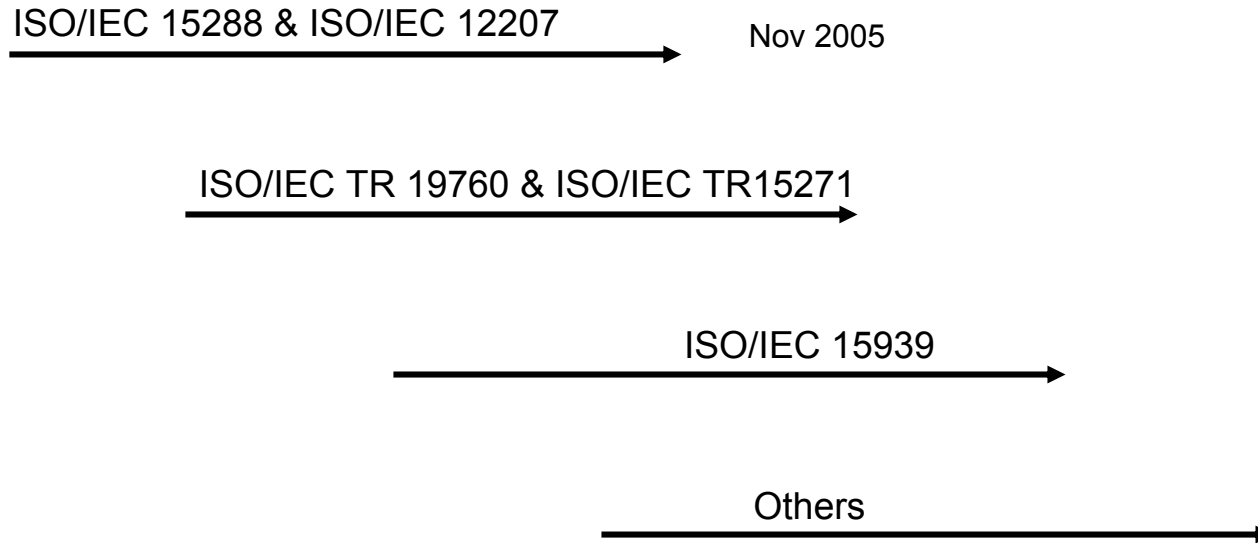
Incorporate the Study Group on Systems Engineering report

- Systems Engineering Report estimated harmonized incorporation by 2005-2006
- Current IEEE 1220 activity to align, fast-track then revise – IEEE and WG 7 joint effort
- EIA 632
 - No action at present
 - Will be investigated after priority 1 harmonization

Define the harmonization process model

- Based upon the processes of ISO/IEC 15288:
 - Maintenance
 - Stakeholder requirements definition
 - Requirements analysis
 - Architectural design
 - Implementation
 - Integration
 - Verification
 - Transition
 - Validation
 - Disposal

Provide a harmonization schedule



- This will be defined in more detail in Montreal

Organization

- Project Editor
- Co-Editor for each document