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# Harmonization Study Group

## Report to the Advisory Group Montreal 2003

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WG 7 Convener

# 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

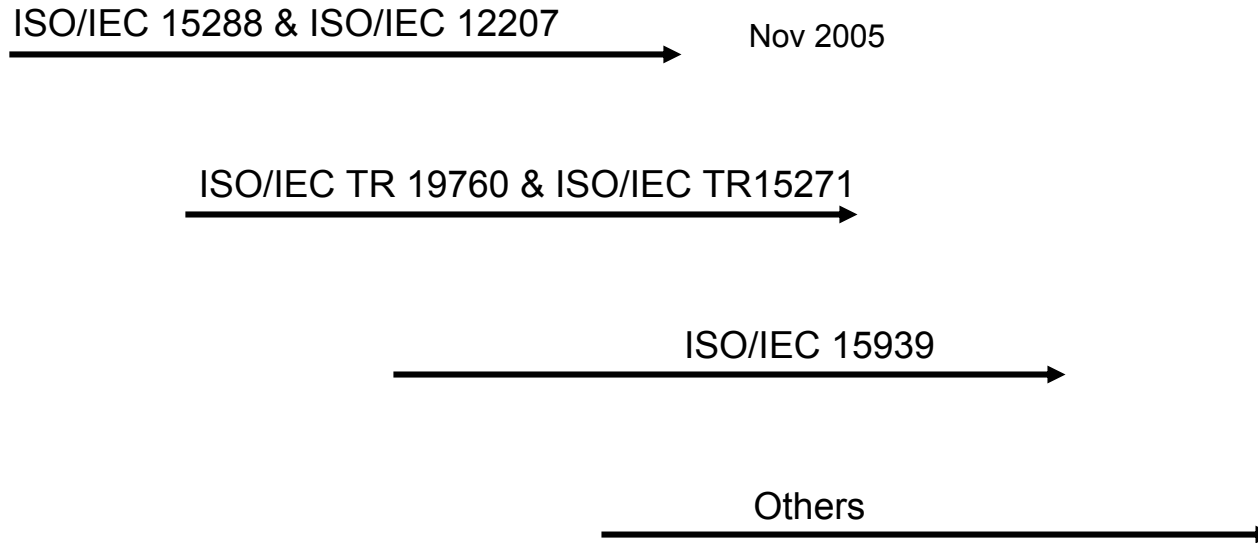
- Systems Engineering Report estimated harmonized incorporation by 2005-2006
- Current IEEE 1220 activity to align, fast-track then revise – IEEE and WG 7 joint effort
- EIA 632
  - No action at present
  - Will be investigated after priority 1 harmonization

# 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