



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

ISO/IEC JTC1/SC7 N2366

2000-09-10

Doc. Type Memo

Title Presentation From The JTC1/SC7 Chair To The JTC1/SC7 Advisory Group/Business Planning Group Meeting, Madrid, May 2000. (25Kb)

Source JTC1/SC7 Chair

Project

Status Final

References

Action ID FYI or ACT

Due Date

Mailing Date 2000-09-10

Distribution SC7_AG

Medium Encoded Acrobat

No. Of Pages 24

Note

ISO/IEC JTC 1 SC7 BUSINESS PLANNING MEETING

François Coallier
francois.coallier @bell.ca

MORNING SESSION

OBJECTIVES FOR TODAY

- Assess present state of projects, liaisons and other issues
- Table issues
- Define approach to resolve issues
- Define directions for business planning activities during the week

MORNING AGENDA

- Assess status of Work Program
- Assess status of existing liaisons
- Discuss new liaisons

AFTERNOON AGENDA

- Status and vision for SC7
- Study Group Reports
- Organization: WG and SWG
- Other issues...

MEETING PROTOCOL

- All issues should be tabled
- Discussions limited to the minimum because of the lack of time
- If consensus is evident - next step is to initiate actions
- If consensus not there - next step is to try to resolve issues during the week

Meeting Format Changes

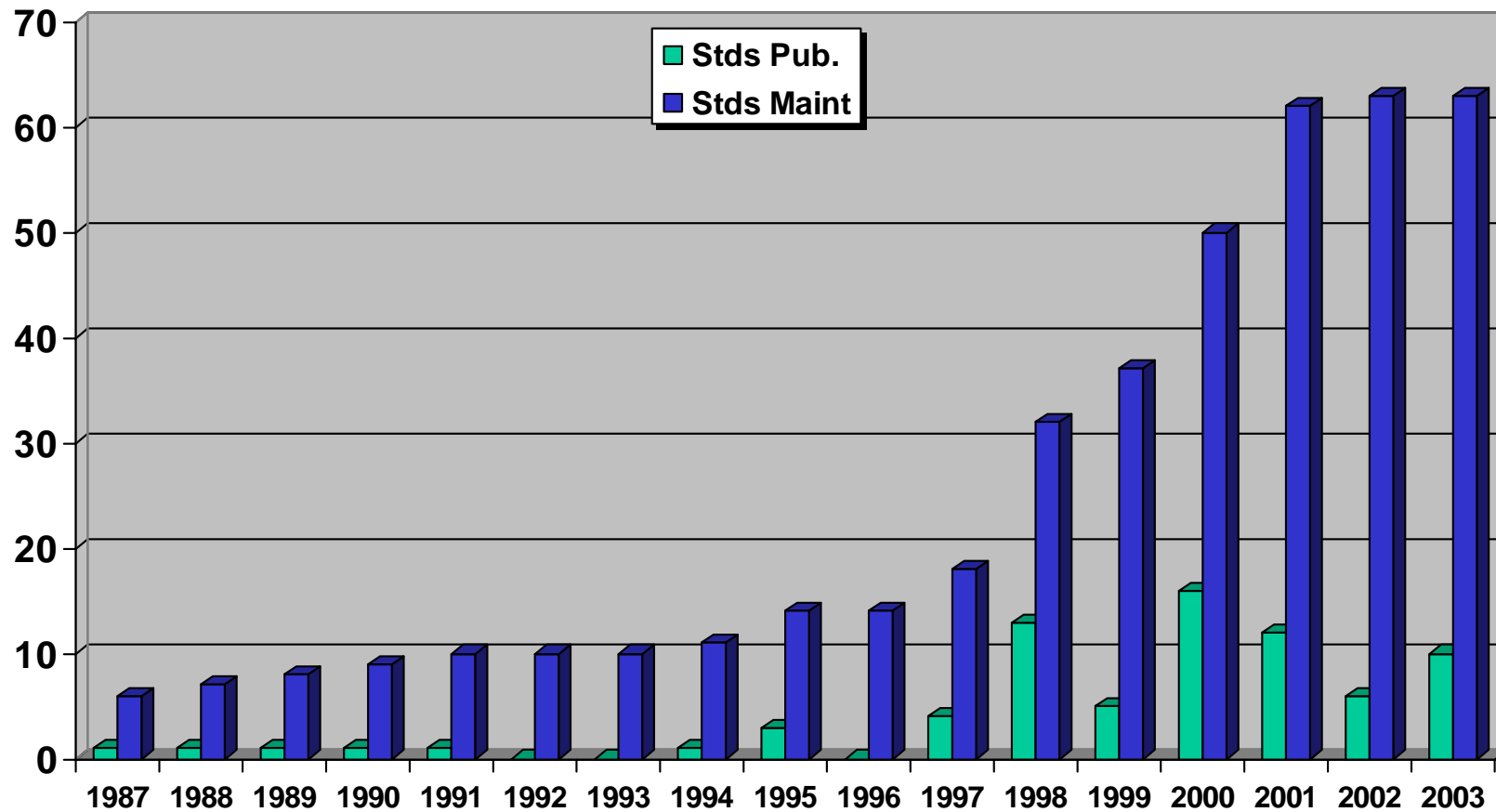
- Working Group Convenors presentations:
 - Aim to be analogous to SC's reports at JTC 1 plenaries
 - Should cover project status, issues, future directions and recommendations

Document Production

	1997 Docs	1998 Docs	1999 Docs	2000 Docs
(F)DIS / DTRs progressed to IS / TR status	11	13	5	
FCDs progressed to (F)DIS		19	5	1
CDs / PDTRs progressed to FCD/DIS/DTR	13	8	8	12
WDs were progressed to CD / PDTR	8	3	1	3
WI were were added	2	2	1	3
Projects Completed	11	13	5	

SC7 Production (est.)

(No new NWI assumed - exclude dependability)



Challenges

Moving from a development to a primarily maintenance mode:

- Maintaining / improving stds architecture
- Maintaining / improving vocabulary cohesiveness and consistency
- Managing effectively additions or consolidation of product line.

New issue: conformance

STANDARDS PUBLISHED

1999

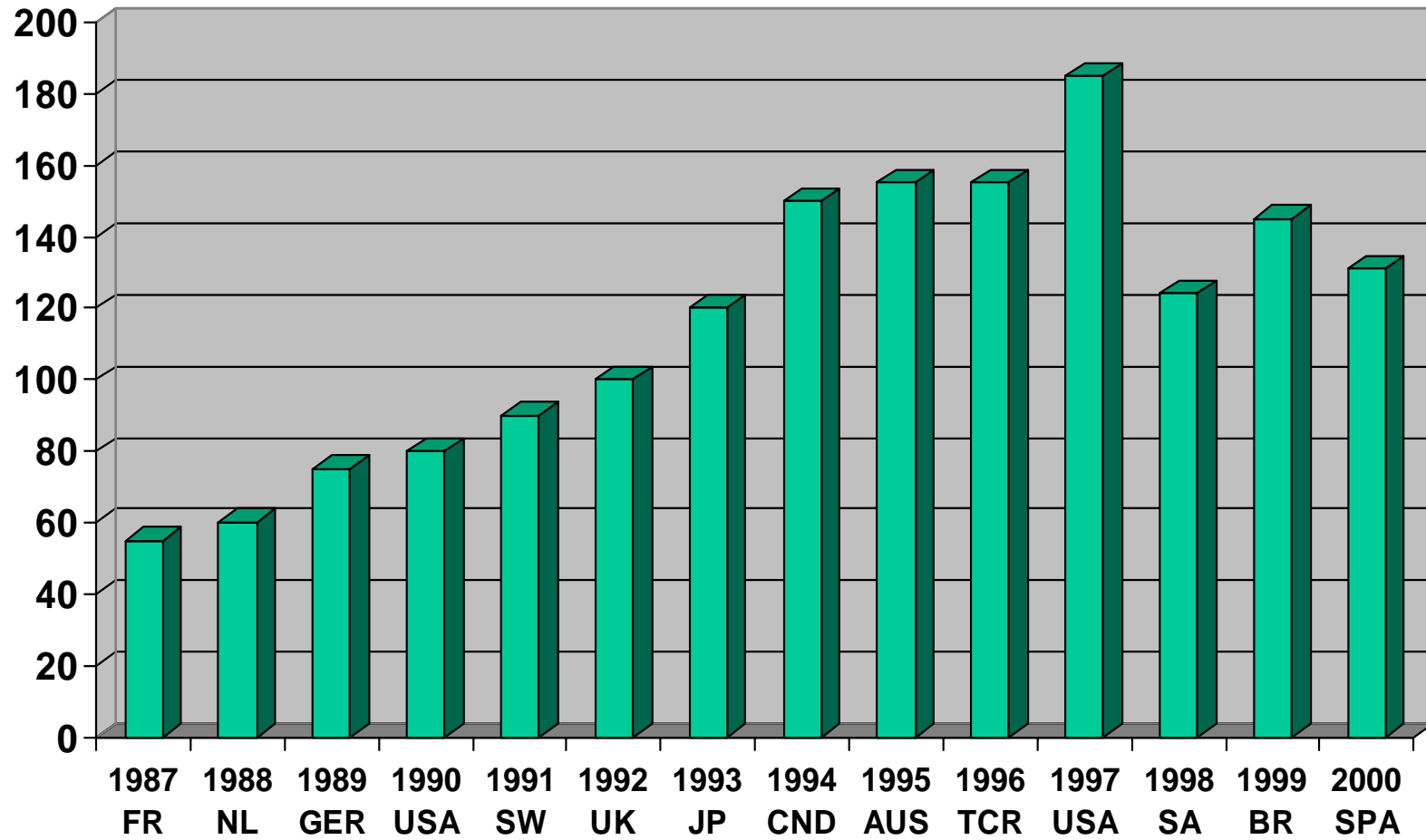
- IS 14598-4: Software Engineering - Product Evaluation
Part 4: Process for acquirers
- TR 14759: Software engineering - Mock up and prototype
- A categorization of software mock up and prototype
models and their use.
- TR 14471 - Software Engineering - Guidelines for the
adoption of CASE tools
- IS 6592:1999 - Information Technology - Guidelines for
the documentation of computer based application systems
- ISO/IEC TR 16326: Software Engineering - Guide for the
application of ISO/IEC 12207 to project management.

2000 View

- 14756: Software Engineering - Measurement and rating of performance of computer-based software systems.
- 14598-3: Software Engineering - Product evaluation - Part 3: Process for developers
- 14598-2: Software Engineering - Product Evaluation - Part 2: Planning and management.
- 16326: Software Engineering - Project management
- 14764: Software Engineering - Software Maintenance

- 14598-6: Software Engineering - Product evaluation - Part 6: Documentation of evaluation modules
- 15474: Software Engineering - CDIF Framework - Parts 1 and 2
- 15475 Software Engineering - CDIF Transfer Format - Parts 1, 2 and 3
- 15476: Software Engineering - CDIF Semantic Metamodel - Parts 1,2,4,5
- 15910 Software Engineering - User Documentation Process
- 15437: Information technology - Enhancements to LOTOS (E-LOTOS)
- 15909 Software Engineering - High-level Petri Nets - Concepts, Definitions and Graphical Notation
- 9126-1 Software Engineering - Product quality - Part 1: Quality model
- 14753 - Information Technology - Open Distributed Processing - Interface references and Binding.
- 14764: Software Engineering - Software Maintenance
- 14752 - Information Technology - Open Distributed Processing - Protocol support for computational interactions.

Plenary Attendance



Internal Liaisons

- ISO/TC176: Excellent
- IEC/TC 56: Open issue

-> Other liaisons - not very active

External Liaisons (C)

LIAISON	ACTIVITY LEVEL
NATO (WG7)	?
IEEE CS (WG4)	?
CDIF (WG11)	?
OMG (WG11)	?
IFPUG (WG12)	H
FESMA (WG12)	H
ESI (WG10)	?
SPICE User Group (WG10)	H

External Liaisons (A)

- QuEST Forum ?
 - ITU-T (transfer from SC33) - Active
 - INCOSE - Active
 - IEEE - liaison being set up - Active
 - OMG - liaison being set up - Active
- Other prospects ?

AFTERNOON SESSION

SC7 History

- **1987 - Formation of JTC1/ SC7**
- **1990 - First Business Plan published**
- **1991:**
 - **Name changed to Software Engineering**
 - **Publication of ISO/IEC 9126**
- **1994 - The concept of product plan was proposed to SC7**
- **1995 - Publication of ISO/IEC 12207**
- **1996 - Publication of the first edition of the SC7 Product Plan**
- **1997:**
 - **Terms of references broadened to Software Systems**
 - **First Business Planning Workshop**
 - **Vocabulary and BPG SWG established**
- **1998:**
 - **Transfer of ODP and E-LOTOS projects from SC33**
 - **Process architecture**
- **2000 - Change name to *Software and System Engineering* ?**

SC7 TERMS OF REFERENCE

Standardization of processes, supporting tools and supporting technologies for the engineering of software products and systems

Terms of References

1999 Issue:

- *System Engineering* program of work weak

Actions:

- Type A liaisons with INCOSE
- Study Group on System Engineering

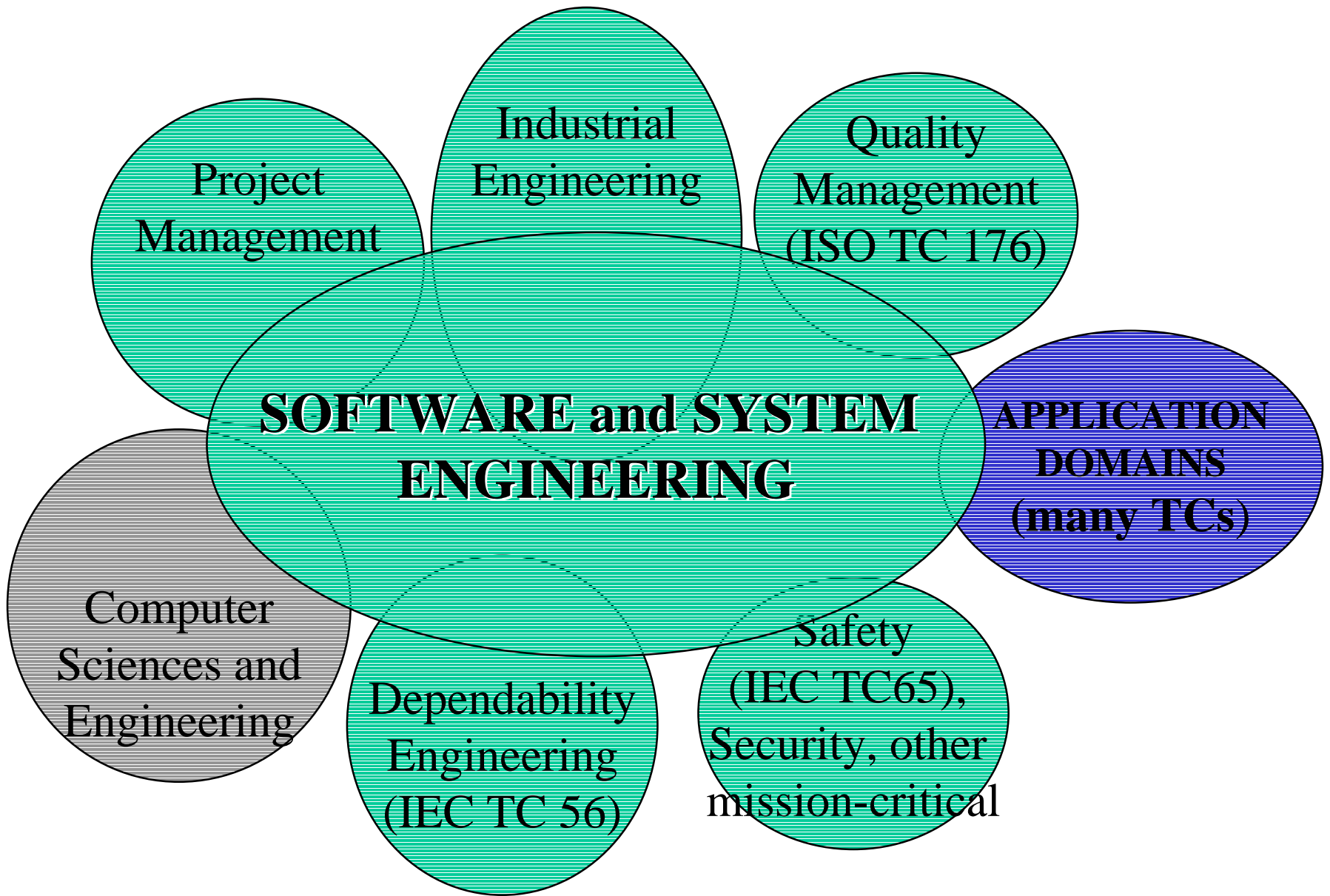
Terms of References

Issue:

SC7 name does not mach terms of reference

Recommendation:

Change the name to: “*Software and Systems Engineering*”



New Areas

Formally under considerations

- Ad Hoc on Quality Management
- Study Group on Risk Management
- Study Group on Software System Dependability and Reliability
- System Engineering Practices
- Software Engineering Body of Knowledge