

## **ISO/IEC JTC1/SC7 /N3388**

**2005-11-11**

<b>Document Type</b>	Presentation
<b>Title</b>	SC7 Chairman Presentation to the JTC 1 Plenary, Banff, Canada, 2005-11-11
<b>Source</b>	SC7 Chairman
<b>Project</b>	
<b>Status</b>	Final
<b>Reference</b>	
<b>Action ID</b>	FYI or ACT
<b>Due Date</b>	
<b>Distribution</b>	AG
<b>No. of Pages</b>	14
<b>Note</b>	

Address reply to: ISO/IEC JTC1/SC7 Secretariat  
École de technologie supérieure – Département de Software and IT Engineering  
1100 Notre Dame Ouest, Montréal, Québec Canada H3C 1K3  
[secretariat@jtc1-sc7.org](mailto:secretariat@jtc1-sc7.org)

[www.jtc1-sc7.org](http://www.jtc1-sc7.org)

# SC7 Chairman Presentation

to the

## ISO/IEC JTC 1

## PLENARY

Banff, 2005-11-11

**François Coallier**

**SC7 Chairman**

**École de technologie supérieure**

francois.coallier @etsmtl.ca

# SC7 Terms of Reference

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

# Why are standards important in IT?

---

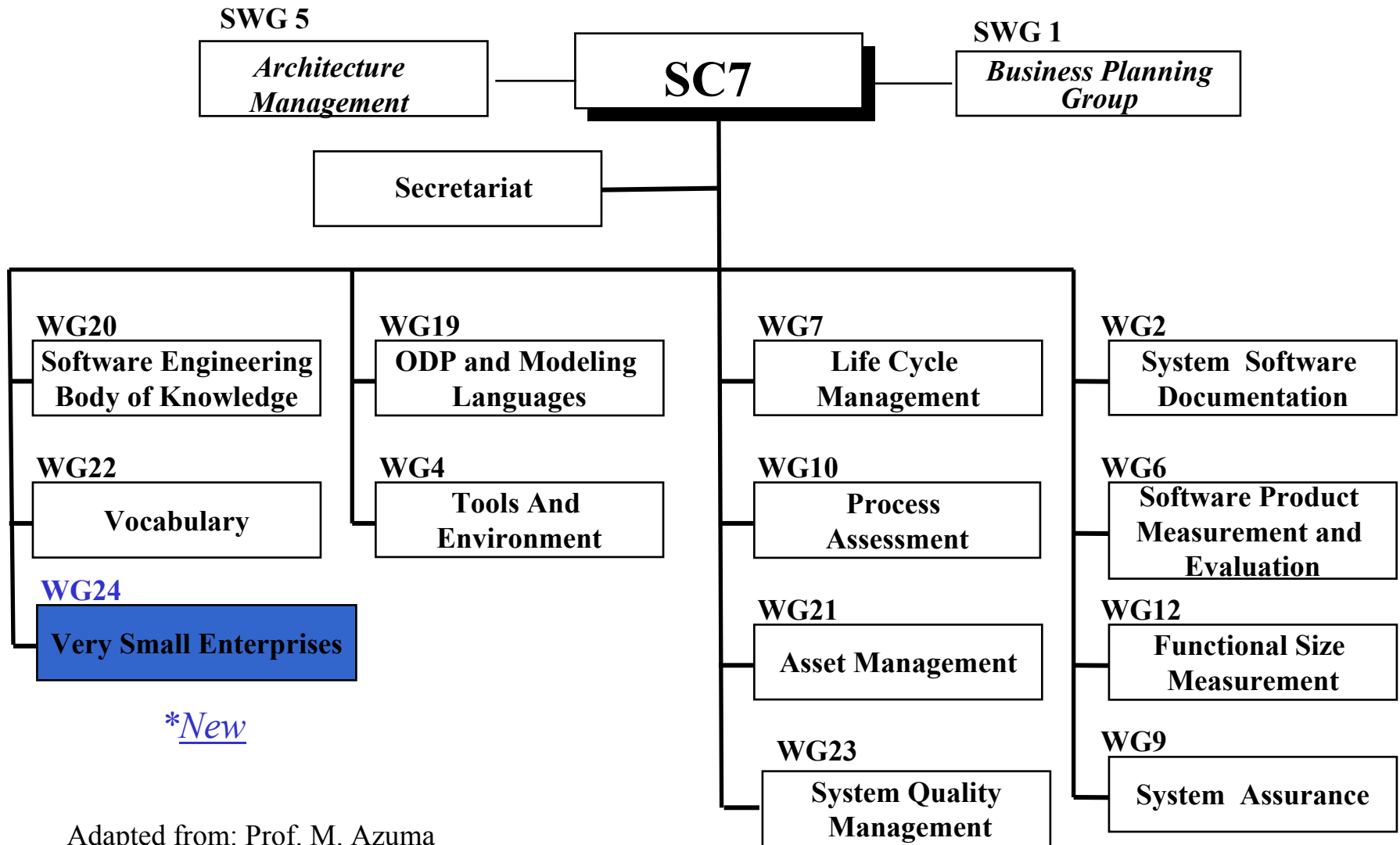
## One perspective – Global interoperability:

- Between machines/components
- Between people
- Between organizations

SC7 Contributions

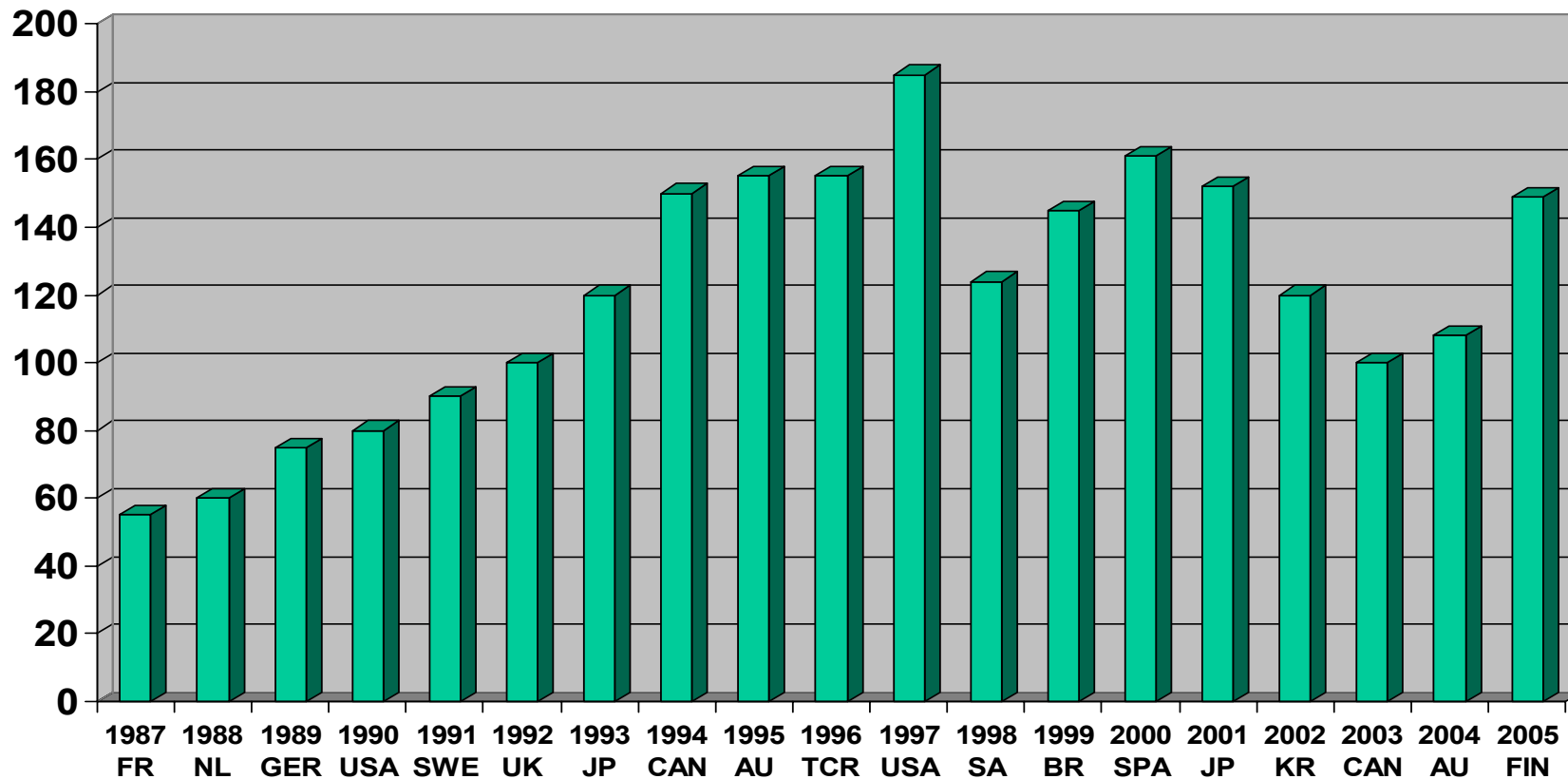
- > Enable the creation of markets
- > Enable commercial activities
- > Enable functional products
- > Enable functional infrastructures
- > Enable the perinity of digital information
- > .....

# SC7 Structure

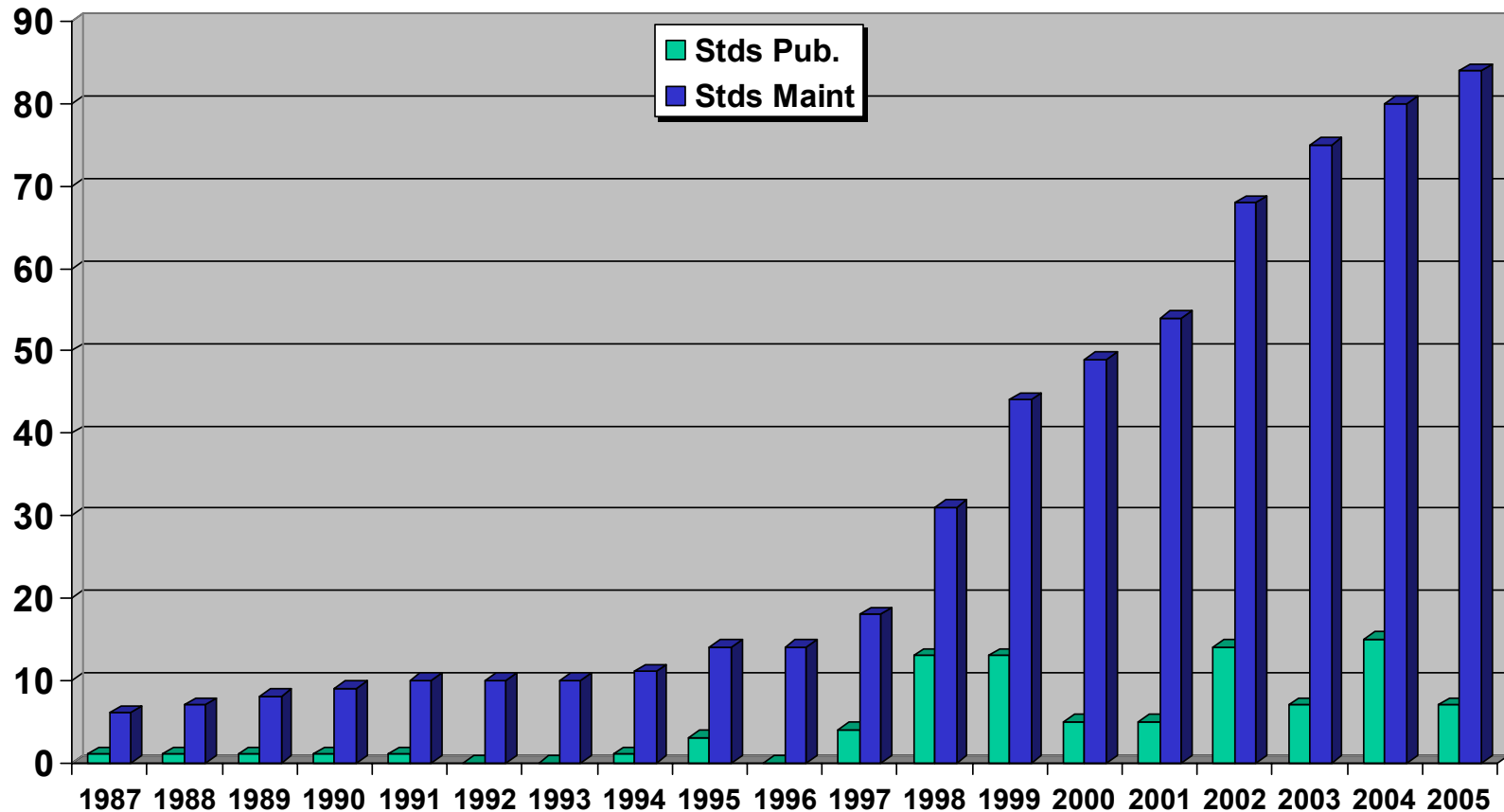


Adapted from: Prof. M. Azuma

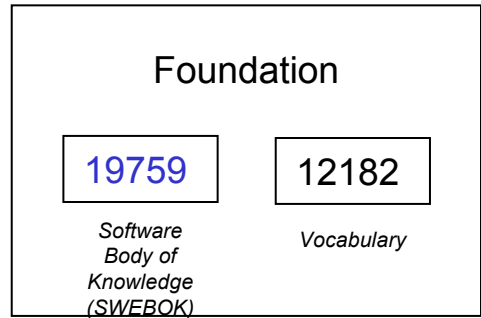
# Plenary attendance statistics



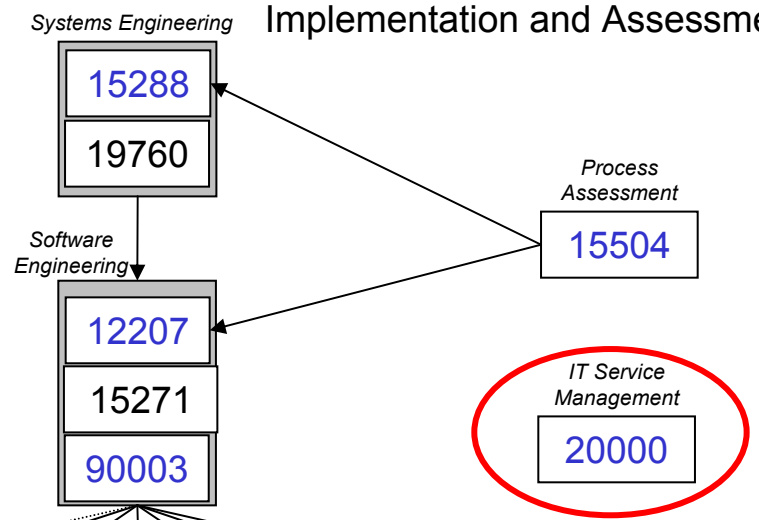
# Standards Produced and Maintained by SC7



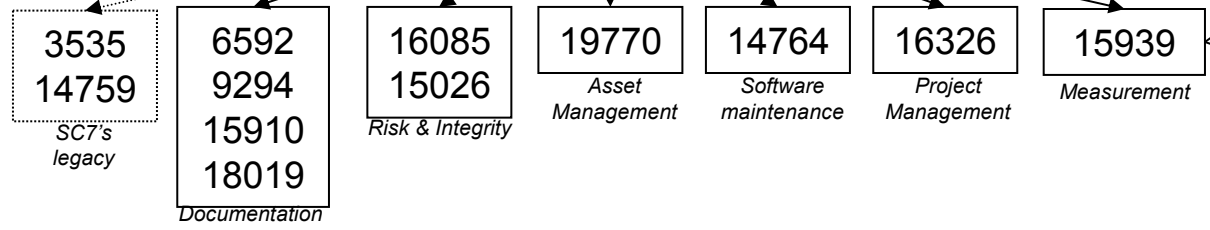
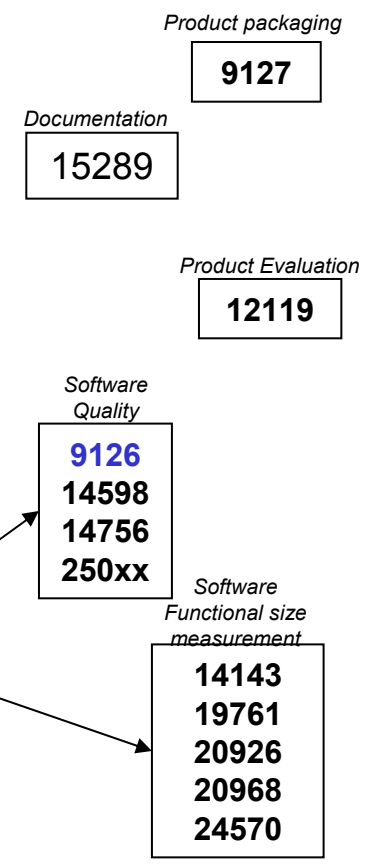
\*Does not includes 10 documents at DIS/FDIS stage



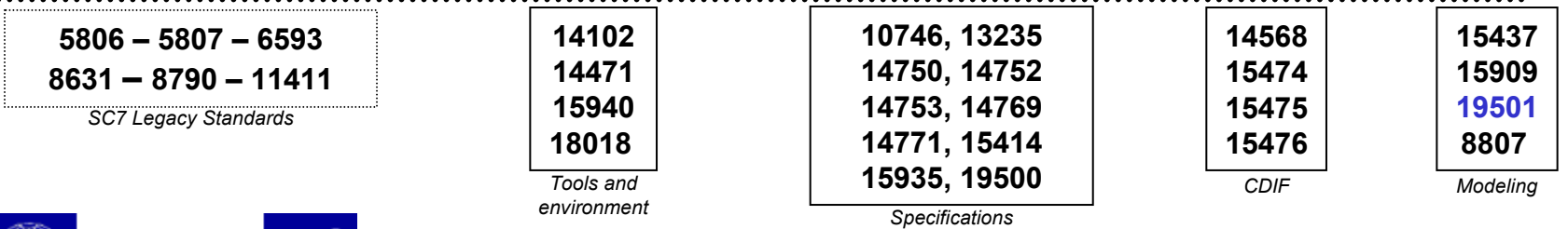
**Process Implementation and Assessment**



**Product**



**Tools, Methods**





# Key Accomplishments

- Publication of TR19759 SWEBOK
- Completion of all current parts of IS 15504 Process Assessment
- Completion of Fast Track of DIS 20 000-1 & 2 IT Service Management
- Establishment of A liaison with itSMF

# Key Strategic Directions

- Respond to the evolution of the global IT market and of IT technologies
  - Increase globalization of IT Services
  - Growing importance of IT operations services
  - Growing importance of Systems Integration
  - Continual increase in IT ubiquity
  - Continual increase in the importance of the global IT infrastructure to the global economy

# Key Strategic Directions (2)

- Continue:
  - Increase integration and harmonization of SC7 standards
  - Increase coverage of Systems Engineering
  - Increase harmonization of Software and Systems Engineering Standards
  - Integration of SC7 standards with IEEE's
  - Work closely with strategic partners:
    - IEEE, INCOSE, OMG, ITU-T, itSMF.

# Active Study Groups

- **Study Group on Interoperability**
- **Study Group on Requirements Process**
- **Study Group on Service Delivery and Management, ITC Governance**
- **Study Group on Non-Developed Components.**
- **Study Group on Architecture Description**
- Study Group on Review of TR 14143-3 – Functional Size Measurement – Validation and Verification
- Study Group on Review of TR 14143-4 – Functional Size Measurement – Reference Models

# New Developments

- Software Engineering Certification
- Software architecture
- Systems Engineering
- IT Services and Operations
- Data Quality
- Very Small Enterprise Guidance

# Some Marketing Initiatives

- Standard Seminar, Helsinki, 2005-05-20 (before SC7 Plenary)
- 6th International SPICE Conference on Software Process Improvement and Capability dEtermination (SPICE'2006), May 3-5 2006, Luxembourg
- Proposal for SC7 'Standards Packages' to ISO under elaboration
- Multiple presentations by SC7 technical experts at professional conferences

# For further details..

- SC7 Web Site

<http://www.jtc1-sc7.org/>

- Planning Documents

‘Planning’ tab on SC7 Web site

[http://142.137.17.56/Labo\\_Recherche/Lrg1/sc7/bpg.html](http://142.137.17.56/Labo_Recherche/Lrg1/sc7/bpg.html)