

# Standing Document 2 on History of ISO/IEC JTC1/SC 7

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## Scope of SC7

SC7 delivers standards in the area of software and systems engineering that meet market and professional requirements. These standards covers the processes, supporting tools and supporting technologies for the engineering of software products and systems. Systems engineering, whose origin is traceable to industrial engineering, is defined as an interdisciplinary approach governing the total technical and managerial effort required to transform a set of customer needs, expectations, and constraints into a solution and to support that solution throughout its life. SC7, whose scope is Software and Systems Engineering, can thus be described as a horizontal committee who produce generic standards that are technology agnostics and independent of the application domain. These standards are principally focused on process models and good practices (Methods and techniques).

**1987:** Creation of JTC 1/ SC7; 1<sup>st</sup> Plenary Meeting;

**1988:** 2<sup>nd</sup> Plenary Meeting;

**1989:** 3<sup>rd</sup> Plenary Meeting;

**1990:** 4<sup>th</sup> Plenary Meeting:

- First Business Plan published

**1991:** 5<sup>th</sup> Plenary Meeting;

**1992:** 6<sup>th</sup> Plenary Meeting;

**1993:** 7<sup>th</sup> Plenary Meeting;

- Name changed to Software Engineering
- Publication of ISO/IEC 9126 – Software Product Quality

**1994:** 8<sup>th</sup> Plenary Meeting;

- The concept of product plan was proposed to SC7

**1995:** 9<sup>th</sup> Plenary Meeting;

- Publication of ISO/IEC 12207 – Software Life Cycle Processes

**1996:** 10<sup>th</sup> Plenary Meeting;

- Publication of the first edition of the SC7 Product Plan

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**1997:** 11<sup>th</sup> Plenary Meeting;

- Terms of references broadened to Software Systems
- First Business Planning Workshop
- Vocabulary and BPG SWG established
- Transfer of ISO 9000-3 from ISO/TC176

**1998:** 12<sup>th</sup> Plenary Meeting;

- Transfer of ODP and E-LOTOS projects from SC33
- Process architecture

**1999:** 13<sup>th</sup> Plenary Meeting;

**2000:** 14<sup>th</sup> Plenary Meeting;

- Name changed to Software and System Engineering

**2001:** 15<sup>th</sup> Plenary Meeting;

**2002:** 16<sup>th</sup> Plenary Meeting;

- Publication of ISO/IEC 15288 – System Life-Cycle

**2003:** 17<sup>th</sup> Plenary Meeting;

- Established WG21 (Software Asset Management)

**2004:** 18<sup>th</sup> Plenary Meeting; Brisbane, Australia

**2005:** 19<sup>th</sup> Plenary Meeting; Helsinki, Finland

- Publication of ISO/IEC 19759 (SWEBOK)
- Publication of ISO/IEC 20000 – IT Service Management

**2006:** 20<sup>th</sup> Plenary Meeting; Bangkok, Thailand

– Publication of the last core part of ISO/IEC 15504 – Process Assessment

- Established the following Work Groups
  - ✓ WG 24 (Very Small Enterprises (VSE))
  - ✓ WG 25 (IT Service Management)
  - ✓ WG42 (Architecture)

**2007:** 21<sup>st</sup> Plenary meeting; Moscow, Russia

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- Established WG26 (Software Testing)

**2008:** 22<sup>nd</sup> Plenary meeting; Berlin, Germany. Hosted by the German Institute for Standardization (Deutsches Institut für Normung) (DIN); 18 May to 23 May 2008

- Attendance:
  - ✓ Delegates at meeting: 205
- Established WG1A (now WG40 and JTC1/WG6)
- Publication of harmonized edition of 12207 and 15288
- Publication of ISO/IEC 38500 – IT Governance

**2009:** 23<sup>rd</sup> Plenary meeting; Hyderabad, India. Hosted by the Bureau of Indian Standards (BIS); 24 May to 29 May 2009

- Attendance:
  - ✓ Delegates at meeting: 170

**2010:** 24<sup>th</sup> Plenary meeting; Niigata, Japan. Hosted by the Japanese Industrial Standards Committee (JISC); 06-11 May 2010

- Attendance:
  - ✓ Countries:18
  - ✓ Working Groups: 11
  - ✓ Special Working Groups: 3
  - ✓ Advisory Group: 1
  - ✓ Delegates at meeting: 230
- Established WG27 (BPO/ITS)

**2011:** 25<sup>th</sup> Plenary meeting; Paris, France. Hosted by the Association of French Standards (Association française de normalization) (AFNOR); 21 May to 27 May 2011

- Attendance:

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- ✓ Countries: 29
- ✓ Working Groups: 18
- ✓ Special Working Groups: 2
- ✓ Advisory Group: 1
- ✓ Delegates at meeting: 300
- Standards and Projects
  - ✓ All published standards as May 2011 – 131
  - ✓ Standards published between May 2010 and May 2011 (Including documents in publication) – 11
  - ✓ Active projects (including new work items) – 46
- Items of Interest
  - ✓ Endorsement of Mr. François Coallier (Canada) as Chairman for a term of three years (November 2011 – November 2014) and mandates its Secretariat and the Canadian National Body to request reconfirmation from JTC 1 – refer N509 Editor training provided – refer N6558.
  - ✓ Editor training provided – refer N5097.

**2012:** 26<sup>th</sup> Plenary meeting; Jeju, South Korea. Hosted by the Korean Agency for Technology and Standards (KATS); 19 May to 25 May 2012

- Attendance:
  - ✓ Countries: 28
  - ✓ Working Groups: 16
  - ✓ Special Working Groups: 3
  - ✓ Advisory Group: 1
  - ✓ Delegates at meeting: 227
- Standards and Projects
  - ✓ All published standards as May 2012 – 143

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- ✓ Standards published between May 2011 and May 2012 (Including documents in publication) – 12
  - ✓ Active projects (including new work items) – 49
  - Items of Interest
- 2013:** 27<sup>th</sup> Plenary meeting; Montreal, Canada. Hosted by the Standards Council of Canada (SCC); 26 May to 31 May 2013
- Attendance:
    - ✓ Countries: 28
    - ✓ Working Groups: 14
    - ✓ Special Working Groups: 3
    - ✓ Delegates at meeting: 230
  - Standards and Projects
    - ✓ All published standards as May 2013 – 147
    - ✓ Standards published between May 2012 and May 2013 (Including documents in publication) – 12
    - ✓ Active projects (including new work items) – 56
  - Items of Interest
    - ✓ Between the JTC1/SC Plenary meetings in Montreal and Sydney, JTC1 formed a new Sub Committee 40 (SC40) IT Service Management and Governance. WG25 (IT Service Management) was moved from JTC1/SC7 to JTC1/SC40 along with the associated ISO/IEC 20000 Standards.
    - ✓ WG21 name change from “Software Asset Management” to “Information Technology Asset Management”. Changed the terms of reference as follows - "Prepare standards to positively impact the Information Technology Asset Management (ITAM) market (including Software Asset Management (SAM)) and support the industry where possible in the uptake of ITAM & SAM standards”.

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- ✓ Changed the title of WG2 from “System and Software Documentation” to "System, Software, and IT Services Documentation". Changed the terms of reference to "To coordinate and develop standards for the information management and documentation of software, systems, and IT services".
- ✓ Document title changes refer ISO/IEC/JTC1/SC7 N6040 and JTC1 N1175 resolution numbers 1667, 1668, 1676, 1677, and 1684.
- ✓ Canadian resolution (refer N6234) that separates expert work from national body (NB) comment resolution. From this working groups now designate separate meeting for comment resolution with NB and expert development of standards.
- ✓ Cancellation of ISO/IEC16337 project, Systems Engineering Handbook since INCOSE (the original submitter) had withdrawn its document – refer N6324, resolution #1787.
- ✓ Subdivision of ISO/IEC12207 into a multipart standard. That includes the distributions of NWIP for letter ballots, subject to the reception of required documents – refer N6324 resolution #1794.

**2014:** 28th Plenary meeting; Sydney, Australia. Hosted by Standards Australia (SA);  
16 June to 20 June 2014

- Attendance:
  - ✓ Countries: 26
  - ✓ Working Groups: 11
  - ✓ Special Working Groups: 2
  - ✓ Delegates at meeting: 133
- Standards and Projects
  - ✓ All published standards as May 2016 – 153
  - ✓ Standards published since May 2015 and June 2016 (Including documents in publication – 6

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- ✓ Active projects (including new work items) – 49
- Items of Interest
  - ✓ Canadian resolution (refer N6234) that separates expert work from national body (NB) comment resolution. From this working groups now designate separate meeting for comment resolution with NB and expert development of standards.
  - ✓ Cancellation of ISO/IEC16337 project, Systems Engineering Handbook since INCOSE (the original submitter) had withdrawn its document – refer N6324, resolution #1787.
  - ✓ Subdivision of ISO/IEC12207 into a multipart standard. That includes the distributions of NWIP for letter ballots, subject to the reception of required documents – refer N6324 resolution #1794.
  - ✓ Endorsement of Mr. François Coallier (Canada) as Chairman for a term of three years (November 2014 – November 2017) and mandates its Secretariat and the Canadian National Body to request reconfirmation from JTC 1 – refer N6324 resolution #1801.

**2015:** 29<sup>th</sup> Plenary meeting; Rio de Janeiro, Brazil. Hosted by the Brazilian Association of Technical Standards (Associação Brasileira de Normas Técnicas) (ABNT); 10 May -15 May 2015

**Note:** In November 2015 a meeting (30<sup>th</sup>) was inadvertently registered on the SC7 e-committee platform. This caused a number sequencing issue for subsequent meetings. The next plenary meeting number will be the **31<sup>st</sup>**.

- Attendance:
  - ✓ Countries: 23
  - ✓ Working Groups: 11
  - ✓ Special Working Groups: 4
  - ✓ Delegates at meeting: 154

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- Standards and Projects
  - ✓ All published standards as May 2016 – 153
  - ✓ Standards published since May 2015 and June 2016 (Including documents in publication – 8
  - ✓ Active projects (including new work items) – 47
- Items of Interest
  - ✓ Editor training provided – refer N6558
  - ✓ Update from the ISO central Secretary – refer N6551.

**2016:** 31<sup>st</sup> Plenary meeting; Suzhou, Jiangsu, China. Hosted by the State Council of China (SAC); 22 May to 27 May 2016

- Attendance:
  - ✓ Countries:19
  - ✓ Working Groups: 11
  - ✓ Special Working Groups: 4
  - ✓ Delegates at meeting: 112
- Standards and Projects
  - ✓ All published standards as May 2016 – 164
  - ✓ Standards published since May 2015 and June 2016 (Including documents in publication – 11
  - ✓ Active projects (including new work items) – 32
- Items of Interest

**2017:** 32<sup>nd</sup> Plenary meeting; Kuantan, Malaysia. Hosted by the Department of Standards Malaysia (DSM); 13 May to 19 May 2017

- The was the last ISO/IEC/JTC1/SC plenary meeting chaired by Canada before the transition to India.
  - ✓ Chairman: Dr. François Coallier



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- ✓ Secretary: Mr. Witold Suryn
- As part of the transition of the Chair and Secretariat from the Canada to India, Dr. Sundeep Oberoi (proposed incoming chairman) and Mrs. Reema Garg (proposed incoming Secretary) attended this meeting.
- Attendance:
  - ✓ Countries:17
  - ✓ Working Groups: 11
  - ✓ Special Working Groups: 2
  - ✓ Delegates at meeting: 171
- Standards and Projects
  - ✓ All published standards as May 2017 – 171
  - ✓ Standards published since May 2016 and June 2017 (Including documents in publication – 10
  - ✓ Active projects (including new work items) – 41
- Items of Interest
  - ✓ Additional information related to electronic meetings - JTC 1/SC7 mandates its WG to use electronic meetings as a complement to face-to-face (F2F) meetings and to make these face-to-face meetings more efficient. This type of meeting should also be considered for comments dispositions when practical. These meetings should not be longer than two hours in duration.

JTC 1/SC7 recognizes that electronic participation is not a substitute for in person participation at F2F meetings. JTC 1/SC7 plenary and interim meetings being F2F, electronic participation is permitted only for specific contributions, limited in time, in WG, SGs and Ad Hoc meetings held during the plenary week or interim meetings.
  - ✓ Naming convention for Standards; JTC1 / SC7 revised its policy to use the following prefixes;

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- Software Engineering: for all standards pertaining to the field of software engineering -
- Systems Engineering: for all standards pertaining to the field of systems engineering
- Systems and Software Engineering: for standards that are pertaining to the field of software and systems
- Software and Systems Engineering: for standards that are pertaining to software intensive systems
- Enterprise, Systems and Software: for all standards pertaining to the field of enterprise, systems and software
- Information Technology: for all other SC7 standards



**2018:** 33<sup>rd</sup> Plenary meeting; New Delhi, India. Hosted by the Bureau of Indian Standards (BIS); 6 May to 11 May 2018.

- Successfully completed the transition of the Chairmanship and Secretariat of SC7 from Canada to India.
- The was the first ISO/IEC/JTC1/SC plenary meeting chaired by India following the transition from Canada.
  - ✓ Chairman: Dr. Sundeep Oberoi

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- ✓ Secretary: Mrs. Reena Garg
- Attendance:
  - ✓ Countries:18
  - ✓ Working Groups: 11
  - ✓ Special Working Groups: 3
  - ✓ Delegates at meeting: 134
  - ✓ Experts Remote Attendance: 36
- Standards and Projects
  - ✓ All published standards as May 2018 – 179
  - ✓ Standards published between May 2017 and May 2018 (Including documents in publication – 14 (11 international standards, 2 technical reports, and 1 technical specification)
  - ✓ Active projects (including new work items) – 35
- Items of Interest
  - ✓ Completed the migration of SC 7 documents to eCommittee. All documents are available on the eCommittee platform (SC 7 General Committee Document Folder).
  - ✓ Updated directives - For details, refer N7592.
  - ✓ Transfer of the responsibility of ISO/IEC TR 20000-4:2010 Information technology -- Service management – Part 4: Process reference model from JTC1 SC40 (Reference: SC7 N7570) to SC7 WG10 Process Assessment.
  - ✓ JTC 1/SC 7 extends its Special Liaison Group (SLG6) to establish a liaison arrangement with ISO/TC 307 – Blockchain and electronic distributed ledger technologies.

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