



ISO/IEC JTC 1 SC 38

Distributed Application Platforms & Services

Dr. Donald R Deutsch, SC 38 Chair
CESI SOA Symposium
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Agenda

JTC 1 Web Services Study Group (WSSG)

- Formation and terms of reference
- National Body & Other Participants
- WSSG meetings & JTC 1 Resolutions

JTC 1 SC 38 Distributed Application Platforms & Services (DAPS)

- Overview
- Key efforts
 - Web Services
 - Service Oriented Architecture (SOA)
 - Cloud Computing
- Leadership & Administration
- Contact information



Web Services Study Group

Established by 2003 JTC 1 Plenary in Singapore

- Mandate
 - Elaborate a strategy for JTC 1 contributions to Web Services standardization
- Leadership
 - Chair, Dr. Donald Deutsch (USA)
 - Secretariat, Prof. Francois Coallier (Canada)

Reported results to 2004 - 2009 JTC 1 Plenaries

- Berlin Report: [JTC 1 N7588]
- Banff Report: [JTC 1 N7994]
- Kruger Report: [JTC 1 N 8359]
- Gold Coast Report: [JTC 1 N 8744]
- Nara Report: [JTC 1 N 9414]
- Tel Aviv Report [JTC 1 N 9856]

Documents: <http://wssg.logti.etsmtl.ca/>



WSSG Terms of Reference

Assess

- How JTC 1 activities are relevant to Web Services standardization
- How the Web Services activities of organizations external to JTC 1 may benefit from JTC 1 involvement

Initiate

- Any relevant activities within existing JTC 1 Subcommittees that would increase JTC 1 contribution to Web Services standardization

Assist

- Consortia and fora in establishing appropriate liaison with JTC 1



WSSG Participants : National Bodies

- Canada
- China
- Ireland
- France
- Germany
- Japan
- Norway
- Singapore
- The Netherlands
- United Kingdom
- USA
- Korea (2009)



WSSG Participants: Other Stakeholders

JTC 1 Subcommittees:

- SC 6
- SC 24
- SC 27
- SC 37

Internal Liaisons:

- ISO/TC 211
- ITU-T/SC 17

External Liaisons and Organizations:

- ECMA
- IEEE-CS
- JCP
- Liberty Alliance
- OASIS
- OMG
- W3C
- WS-I



WSSG Meetings

2004 – 2 Face-to-Face Meetings

- Paris, FRANCE
- Montreal, CANADA

2005 – 1 Teleconference Meeting

2006 – 1 Teleconference Meeting

2007 – 1 Teleconference Meeting

2008 – 3 Teleconference Meetings

2009 – 6 Teleconference Meetings



JTC 1 WSSG Resolutions

Berlin, GERMANY 2004

- JTC 1 does not currently see value in JTC 1 becoming another venue for the development of Web Services infrastructure standards. JTC 1 does, however, recognize that:
 - Ongoing web services work exists in JTC 1 SCs, and
 - Related New Work Item proposals in this area may be made in the future.
- JTC 1 believes that it can contribute to Web services standardization by working cooperatively with consortia and other external organizations and encourages these organizations to consider establishing or strengthening their relationships with JTC 1.



JTC 1 WSSG Resolutions

Banff, CANADA 2005

- Coordinate with Fast Track and PAS Submitters regarding web services.
- Produce an inventory of web services activities as a top priority item.

Kruger, SOUTH AFRICA 2006

- If called upon, to assist the JTC 1 Secretariat in processing the WS-I PAS submissions and any other subsequent Web-Services PAS submissions

Gold Coast, AUSTRALIA 2007

- Support maintaining and making the Web Services Registry widely available, and
- Assist JTC 1 in processing possible future Web Services PAS submissions

Nara, JAPAN 2008

- Complete work on maintaining the Registry (Inventory Database of Web Services Standards),
- Consider related work in the area of SOA (Service Oriented Architecture) and
- Assist JTC 1 in processing possible future Web Services PAS and Fast Track submissions.

Tel Aviv, ISRAEL 2009

- Resolution 36 establishing new SC 38 on Distributed Application Platforms and Services



JTC 1 SC 38 Overview

JTC 1 SC 38 Distributed Application Platforms and Services (DAPS)

- New SC established by JTC 1 2009 Plenary - Resolution 36
- First meeting 12-14 May 2010 Beijing CHINA

Scope of Committee

- *Standardization for interoperable Distributed Application Platform and Services including:*
 - *Web Services,*
 - *Service Oriented Architecture (SOA), and*
 - *Cloud Computing*



JTC 1 SC 38 Overview (2)

Initial National Body participants:

- Canada (SCC), Japan (JISC), China (SAC), Netherlands (NEN), Finland (SFS), Russia (GOST), France (AFNOR), Singapore (IDA), Germany (DIN), Spain (AENOR), Ireland (NSAI), Sweden (SIS), Italy (UNI), UK (BSI), Korea, Republic of (KATS), USA (ANSI)

Liaisons (to be established)

- SC 38 will pursue active liaison and collaboration with all appropriate bodies (including other JTC 1 subgroups and external organizations, e.g., consortia) to ensure the development and deployment of interoperable distributed application platforms and services standards in relevant areas.



JTC 1 SC 38 Overview (3)

Per the JTC 1 Directives, SC 38 will establish its own substructure at its first meeting.

Based on discussions at the JTC 1 Plenary, it is anticipated that SC 38 will initially establish subgroups as follows:

- A Working Group on Web Services
- A Working Group on SOA
- A Study Group on Cloud Computing (SGCC)



Key Efforts

Working Group on Web Services

- Draft Terms of Reference:
 - Enhancements and maintenance of the Web Services registry (inventory database of Web Services and SOA Standards).
 - Ongoing maintenance of previously approved standards from WS-I PAS submissions, ISO/IEC 29361, ISO/IEC 29362 and ISO/IEC 29363.
 - Maintenance of possible future PAS and Fast Track developed ISO/IEC standards in the area of Web Services.
 - Investigation of where web service related standardization is already ongoing in JTC 1 entities.
 - Investigate gaps and commonalities in work in “iv” above.



Key Efforts

Working Group on SOA

- Draft Terms of Reference:
 - Enumeration of SOA principles.
 - Coordination of SOA related activities in JTC 1.
 - Investigation of where SOA related standardization is already ongoing in JTC 1 entities, and
 - Investigate gaps and commonalities in ongoing work



Key Efforts

Study Group on Cloud Computing (SGCC)

To investigate market requirements for standardization, initiate dialogues with relevant SDOs and consortia and to identify possible work items for JTC 1.

- Draft Terms of Reference:
 - Provide a taxonomy, terminology and value proposition for Cloud Computing.
 - Assess the current state of standardization in Cloud Computing within JTC 1 and in other SDOs and consortia beginning with document JTC 1 N 9687.
 - Document standardization market/business/user requirements and the challenges to be addressed.
 - Liaise and collaborate with relevant SDOs and consortia related to Cloud Computing.
 - Hold workshops to gather requirements as needed.
 - Provide a report of activities and recommendations to SC 38.



Key Efforts

Study Group on Cloud Computing (continued)

- Topics related to Energy Efficiency of Data Centers are excluded. On topics of common interest (such as virtualization), coordination with the EEDC SG is required.
- Membership in the Study Group will be open to:
 - National Bodies, Liaisons, and JTC 1 approved PAS submitters
 - JTC 1 SCs and relevant ISO and IEC TCs
 - Members of ISO and IEC central offices, and
 - Invited SDOs and consortia that are engaged in standardization in Cloud Computing, as approved by the SG



Leadership & Administration

SC 38 Administrative support and leadership will be provided as follows:

- The US National Body will serve as Secretariat for the SC and its Working Groups, and Dr. Donald R. Deutsch from the US National Body will serve as the Chair for the SC.
- The National Body of China will provide Ms. Yuan Yuan as the Convenor of the Working Group on SOA.
- The US National Body will provide the Convenor of the Working Group on Web Services.
- The National Body of Korea will provide Dr. Seungyun LEE as the Convenor of the Study Group on Cloud Computing. The National Body of China will provide Mr. Ping ZHOU as the Secretary of the Study Group on Cloud Computing.



Contact Information

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