

**Telecommunications and Information Exchange Between Systems**

**ISO/IEC JTC 1/SC 6**

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ISO/IEC JTC1/SC6 Secretariat Ms. Jooran Lee, KSA (on behalf of KATS) Korea Technology Center #701-7 Yeoksam-dong, Gangnam-gu, Seoul, 135-513, Republic of Korea ; Telephone: +82 2 6009 4808 ; Facsimile: +82 2 6009 4819 ; Email : <a href="mailto:jooran@kisi.or.kr">jooran@kisi.or.kr</a>	

**Calling Notice, Draft Agenda and logistics for an  
ISO/IEC JTC 1/SC 6/WG 9 and ITU-T SG17/Q.12  
collaborative meeting in Geneva (Switzerland)  
7-16 April 2010**

**The time-table and logistic information for the SG 17 meeting is attached.  
SC 6 WG 9 members are free to attend for all of the meeting, but should note  
that the technical work of Q.12 will not start until pm Wed 7<sup>th</sup> April, and will be  
largely completed by early morning Thu 15 April (see "Annex 1 continued" in  
the Collective letter below).**

**There is currently no planned meeting on the middle Saturday or Sunday.**

**It is important for WG 9 (and other) attendees to complete the ITU-T pre-registration form. .  
Please note that pre-registration is performed at the ITU-T website (<http://www.itu.int/ITU-T/studygroups/com17/index.asp>), and WG 9 attendees that are not also ITU-T attendees should  
register as "ISO Liaison".**

The topics for the Agenda are expected to include (not necessarily in priority order) to be:

- a) Do anything necessary with ORS to get AAP Consent (or sort out progression under TAP if necessary - avoid this if possible, as it introduces delays).
- b) Finalize and get approval on the Procedures for the Management Agency - this is critical if TAP is not to occur.
- c) We need to get agreement on the composition of the Expert Group.
- d) Joint meeting with Q.4 to progress work on CYBEX and related matters.
- e) We need to get approval of an interim electronic meeting (as well as our normal ones) for the FCD BRM, and preparation of text for Last Call.
- f) Wrap-up PER EIs. We want to agree what to do to wrap-up, and to get SG 17 approval (with SC 6 approval to follow in September). We also need to sort out all other SG 17 Web-pages.
- g) Check we have no further long arcs or Unicode labels that need allocating.
- h) We have Defect Reports, but the major one is Defects on X.660 (and X.680?) etc to support case-folding and normalization of Unicode labels.
- i) Progress (if necessary) any work on the internet draft of the 'oid' URI/IRI scheme.
- j) There will be a presentation by CNRI on the Handle System (and its DOIs), and their actual and possible relation to OIDs. Discussion on this is pending.

k) There are likely to be a number of liaison statements from external bodies that will require a response.

l) A revision of Summaries and the Q.12 action plan may be needed, as may A.5 text (and RERs for ISO/IEC).

m) Development of documents for the final SG 17 plenary (priority item).

**A detailed timetable and agenda will (as usual) be issued nearer the time, and will attempt to accommodate the requirements of SG 17 attendees for timetabling of discussions.**

Geneva, 17 February 2010

Ref: **TSB Collective letter 3/17**

Tel: +41 22 730 5994 To Administrations of Member States of the Union, to ITU-T Sector  
Fax: +41 22 730 5853 Members and to ITU-T Associates participating in the work of  
E-mail: [tsbsg17@itu.int](mailto:tsbsg17@itu.int) Study Group 17

Subject: **Meeting of Study Group 17  
Geneva, 7-16 April 2010**

Dear Sir/Madam,

1 In accordance with the schedule of ITU Telecommunication Standardization Sector meetings for 2010 (see TSB Circular 80 of 14 December 2009: <http://www.itu.int/md/T09-TSB-CIR-0080/en>), I should like to inform you that Study Group 17 (*Security*) is to meet at ITU headquarters, Geneva, from 7 to 16 April 2010 inclusive.

The meeting will open at 0930 hours on the first day. Participant registration will begin at 0830 hours at the Montbrillant entrance. Detailed information concerning the meeting rooms will be displayed on screens at the entrances to ITU headquarters.

2 An interpretation service will be provided for the meeting in accordance with the relevant provisions in force.

3 The draft agenda and work plan, as prepared by agreement with the Chairman of Study Group 17, are set out in **Annex 1** hereto.

4 The draft work programme for working parties and questions is set out in **Annex 2** hereto.

5 Pursuant to the provisions of Recommendation A.1 (Johannesburg, 2008), contributions to the work of the study group are to be submitted to the Telecommunication Standardization Bureau (TSB). Contributions received by TSB at least ten calendar days before the date set for the opening of the meeting will be published on the Study Group 17 website. Such contributions must therefore be received by TSB **not later than 27 March 2010**. Contributions received at least two months before the start of the meeting may be translated, if required, according to the provisions in force.

Participants are encouraged to submit contributions using the web-based submission form available on the Study Group 17 homepage, or by electronic mail to the following address: [tsbsg17@itu.int](mailto:tsbsg17@itu.int). Detailed instructions can be found on the ITU-T website.

We would strongly encourage you to use the set of templates that has been created to harmonize the appearance of ITU-T documents while making their production easier and hence more efficient. The templates are accessible from each ITU-T study group web page, under "Delegate resources" (<http://www.itu.int/ITU-T/studygroups/templates/index.html>).

With a view to settling any questions that might arise concerning contributions, the name, fax and telephone numbers and e-mail address of the person to be contacted should be indicated on contributions. Accordingly, please include those details on the cover page of all documents.

6 To enable TSB to make the necessary arrangements concerning the documentation for, and organization of, the meeting, I should be grateful if you would send me, by letter, fax (+41 22 730 5853) or e-mail ([tsbreg@itu.int](mailto:tsbreg@itu.int)), as soon as possible but **not later than 7 March 2010**, the list of people who will be representing your Administration, Sector Member, Associate, regional and/or international organization or other entity. Administrations are requested also to indicate the name of their head of delegation (and deputy head, if applicable).

7 **Please note that pre-registration of participants to ITU-T meetings is carried out online at the ITU-T website (<http://www.itu.int/ITU-T/studygroups/com17/index.asp>).**

8 In agreement with its Chairman, Mr Kremer, Study Group 17 will take further steps towards working in a fully electronic environment. A very limited number of printed documents will be made available upon advance request to the study group secretariat ([tsbsg17@itu.int](mailto:tsbsg17@itu.int)).

Printers are available in the cyber café of the 2<sup>nd</sup> basement of the Tower building and 2<sup>nd</sup> floor of Montbrillant building for delegates who wish to print documents. In addition, the Helpdesk Service ([helpdesk@itu.int](mailto:helpdesk@itu.int)) has prepared a limited number of laptops for those who do not have one.

9 For sessions that are scheduled to be held with interpretation, please note that interpretation will actually be provided only where Member States so request, by means of the registration form, or a special notice to TSB, and **at least one month before the start of the sessions in question**. It is imperative that this deadline be respected in order for TSB to make the necessary arrangements for interpretation.

10 We are pleased to inform you that ITU will provide a limited number of partial fellowships (either economy class air ticket **or** accommodation and a daily allowance to cover meals and incidental expenses) to facilitate participation from Least Developed or Low Income Developing Countries. An application must be authorized by the relevant Administration of the ITU Member State and be limited to only one person per country. The fellowship request form, enclosed as **Annex 4**, should be returned to ITU not later than **7 March 2010**. Please note that at WTSA-08, the Heads of Delegation committed that their candidate chairmen and vice-chairmen would be provided with the necessary resources to fulfill the duties of their office for the full four year term and that it was therefore recognized that the chairmen and vice-chairmen will not receive financial assistance from ITU.

11 Wireless LAN facilities are available for use by delegates in the ITU main conference room areas and in the CICG (Geneva International Conference Centre) building. Wired network access continues to be available in the ITU Montbrillant building. Detailed information is available on the ITU-T website (<http://www.itu.int/ITU-T/edh/faqs-support.html>).

12 For your convenience, a hotel confirmation form is enclosed as **Annex 3** (see <http://www.itu.int/travel/> for the list of hotels).

13 We would like to remind you that citizens of some countries are required to obtain a visa in order to enter and spend any time in Switzerland. **The visa must be requested at least four (4) weeks before the date of beginning of the meeting** and obtained from the office (embassy or consulate) representing Switzerland in your country or, if there is no such office in your country, from the one that is closest to the country of departure. If problems are encountered, the Union can, at the official request of the administration or entity you represent, approach the competent Swiss authorities in order to facilitate delivery of the visa but only within the period mentioned of four weeks. Any such request must specify the name and functions, date of birth, number, dates of issue and expiry of passport of the individual(s) for whom the visa(s) is/are requested and be accompanied by a copy of the notification of confirmation of registration approved for the ITU-T meeting in question, and must be sent to TSB by fax (+41 22 730 5853) or e-mail ([tsbreg@itu.int](mailto:tsbreg@itu.int)) bearing the words “**visa request**”.

Yours faithfully,

Malcolm  
Director  
Standardization Bureau

of

the

Johnson  
Telecommunication

**Annexes: 4**

ANNEX 1  
(to TSB Collective letter 3/17)

**Draft agenda for the plenary**

1. Opening of the meeting and welcome
2. Results from the last meeting of Study Group 17
  - a) Report of the 16-25 September 2009 Study Group 17 meeting
  - b) Result of Recommendations consented under AAP
  - c) Result of the Member States consultation for Recommendations under TAP
  - d) Report of the interim rapporteur group meetings
  - e) SG 17 participation in workshops and seminars
  - f) Report from the correspondence groups
    - i) to consider future approach to security coordination
    - ii) on ITU-T cloud computing security activity
    - iii) on e-Health security activity
    - iv) on ITU-T smart grid security activity
    - v) on revision work for X.fcsip
    - vi) on X.evcert normative provisions
    - vii) on the coordination of the cybersecurity information exchange framework
3. Results from February 2010 TSAG meeting
  - a) Highlights
  - b) TSAG decision on JCA-CIT
  - c) TSAG decision on JCA-IdM
  - d) TSAG decision on IdM-GSI
  - e) Liaison statements
  - f) Other issues of importance to SG 17, e.g., results of the consultation for the establishment of two focus groups on cloud computing and smart grid
4. Coordination, collaboration and cooperation
  - a) Focus groups, joint coordination activities (JCAs) and Global standards initiatives (GSIs)
  - b) Relations with other lead study groups
  - c) Strategic Advisory Group on Security (SAG-S) (IEC, ISO, ITU-T)
  - d) Memorandum of Understanding on e-business (IEC, ISO, ITU-T, UN/ECE)
  - e) Collaboration with ISO/IEC JTC 1
    - i) Joint ITU-T | ISO/IEC JTC 1 leadership meeting
    - ii) New areas for collaboration
  - f) Collaboration with ETSI (TTCN and security)
  - g) Collaboration with the SDL Forum Society
  - h) Collaboration with the IETF
  - i) Collaboration with the Liberty Alliance/Kantara Initiative
  - j) Collaboration with OASIS
  - k) Collaboration with the CA/Browser Forum
  - l) Collaboration with FIRST
  - m) Interaction with other industry consortia and fora
5. General matters
  - a) SG 17 organization for this meeting

- b) Appointments (to fill associate rapporteur and other open positions)
- c) SG 17 lead study group activities
- d) SG 17 activities in support of WTSA-08 Resolutions
- e) Status of the ITU-T SG 17 ASN.1 and OID Project
- f) Status of the ITU-T SG 17 Security Project
- g) Tutorials for this meeting
- h) Planned December 2010 workshop
- 6. Program for this meeting (working party meetings and meeting on questions)
  - a) Meeting reports
  - b) Action plans
  - c) Recommendations and other texts for approval at this Study Group 17 meeting
  - d) Recommendations for consent or determination at this Study Group 17 meeting
  - e) Recommendations planned for consent or determination at the next Study Group 17 meeting
  - f) Recommendations planned for consent or determination later in the study period
  - g) Review of SG 17 manuals and roadmaps (manuals: security, identity management, OID, languages; roadmaps: ICT security standards, identity management)
  - h) Liaison statements
  - i) Summaries of Recommendations
  - j) Planned rapporteur group meetings, correspondence groups and other interim activities
  - k) Highlights of achievements (including review of the executive summary)
- 7. Working arrangements for this meeting
  - a) Update on tools available for the conduct of the work
  - b) Mailing lists, including e-mail addresses
  - c) List of meeting documents and allocation of documents to Questions
  - d) Meeting schedule and room allocation
- 8. Future meetings of Study Group 17
- 9. Information from vice-chairmen and working party chairmen
- 10. Any other business
- 11. Closing

ANNEX 1 (continued)  
(to TSB Collective letter 3/17)

Provisional work plan <sup>1) 2)</sup>  
ITU-T Study Group 17 meeting, Geneva, 7-16 April 2010

	WED 7		THU 8		FRI 9		SUN 11		MON 12		TUE 13		WED 14		THU 15		FRI 16	
	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
PLEN	X																X	X
WP 1		11													X	11		
Q1		X	X		X	X		X	7	X	10		X					
Q2			X	X	X		X	X	7		X	10		X	X			
Q3				X	X	X	X	X	7	12		X	X	X				
Q4		X	X	X	X	X	X	X	7	12	X	X	X	13	13	16	X	X
Q5		X	X	X	X	X			7				X	X	X	X		
WP 2		11														11	X	
Q6				X	X	X		X	7	8	8	14	14	14	8	X	X	
Q7		X	X	9			X	X	7	8	8				8		15	X
Q8			9						7			X	X	X		X		
Q9						X	X	X	7	X	X	X	X	X	X	X		
WP 3		11														11	11	
Q10		X	X	X	X	X	X	X	7	X	X	X	X	X	16	X	X	15
Q11 3		X	X	X	X	X	X	X	7	X	X	X	X	X	X	X	X	
Q12 4		X	X	X	X	X	X	X	7	X	X	X	X	13	13	X	X	X
Q13		☎	☎	☎	☎	☎	☎	☎	X	X	X	X	X	X	X	X		
Q14									7							X	X	X
Q15 6									7							☎	☎	☎
Other																		
JCA-IdM							X	X										

PLEN = STUDY GROUP 17 PLENARY SESSIONS; WP = WORKING PARTY PLENARY SESSIONS; JCA-IDM = JOINT COORDINATION ACTIVITY ON IDENTITY MANAGEMENT

☎ TELECONFERENCE FACILITIES PROVIDED FOR THE SESSION

1) UPDATES TO THIS WORK PLAN FOR THE MEETINGS ON QUESTIONS AND JOINT MEETINGS WILL BE POSTED ON THE ITU-T SG 17 WEBSITE.

2) TUTORIAL SESSIONS WILL BE SCHEDULED DURING THE SG 17 MEETING. DETAILS WILL BE PROVIDED ON THE SG 17 WEBSITE

3) COLLABORATIVE MEETING WITH ISO/IEC JTC 1/SC 6/WG 8 ON DIRECTORY

4) COLLABORATIVE MEETING WITH ISO/IEC JTC 1/SC 6/WG 9 ON ASN.1 AND OIDS

5) JOINT SESSION WITH ISO/IEC JTC 1/SC 6/WG 7 ON USN SECURITY

6) Q.15/17 WILL MEET IF NECESSARY



- 7) SECURITY COORDINATION
- 8) JOINT SESSIONS OF Q.6/17 AND Q.7/17 ON IPTV SECURITY ISSUES
- 9) JOINT SESSION OF Q.7/17 AND Q.8/17 ON WEB SERVICES SECURITY
- 10) JOINT Q.1/17 AND Q.2/17 SESSION ON BUSINESS USE OF SECURITY STANDARDS
- 11) Working party meetings will be run in sequence
- 12) Joint session of Q.3/17 and Q.4/17 on WTSA-08 Resolution 58
- 13) Joint session of Q.4/17 and Q.12/17 (X.alerting, X.cybex.1, X.cybex.2, X.cybex-disc
- 14) Joint session with ISO/IEC JTC 1/SC 6/WG 7 on USN security
- 15) Joint session of Q.7/17 and Q.10/17 on X.sap-4
- 16) Joint session of Q.4/17 and Q.10/17 to discuss the idm cluster in cybex

NOTE: some of the Q.10/17 sessions might be collaborative with ISO/IEC JTC 1/SC 27/WG 5 (pending approval on the ISO/IEC JTC 1 side)

ANNEX 2  
(to TSB Collective letter 3/17)

**Draft work programme for working parties and questions**

The process for reviewing the results of those correspondence groups not listed below will be defined at the opening of the Study Group 17 meeting. The necessary actions in relation with the possible establishment by TSAG of two new focus groups on cloud computing and smart grid will also be discussed at the opening plenary.

**Working Party 1 - Network and information security**

- Progress tasks related to implementation of WTSA-08 Resolutions, e.g., Res. 50, 52, 58
- Review and approve results from interim activities
- Perform the lead study group (LSG) responsibilities for telecommunication security, including updating the LSG information on the SG 17 web page and preparing a concise report to TSAG
- Consider contributing to the December 2010 security workshop

• **Question 1/17 - Telecommunications systems security project**

- Coordinate lead study group responsibilities for telecommunication security
- Review results of activities since the September 2009 Study Group 17 meeting
- Review results from the correspondence group to consider future approach to security coordination, and consider the need for establishing a joint coordination activity on security (JCA-Security)
- Progress the definition of a strategy for security standardization (top-down approach)
- Review and update the ICT security standards roadmap
- Maintain the catalogue of ITU-T Recommendations dealing with security and the compendium of ITU-T approved security definitions
- Prepare material to promote ITU-T security work and attract additional participation (brochure, presentation slides, etc.)
- Review progress on the SG 17 initiative on business use of telecommunication/ICT security standards in coordination with Question 2/17
- Review ITU Cybersecurity Gateway
- Consider ISO/IEC/ITU-T Strategic Advisory Group on Security issues
- Consider efficient collaboration with other bodies including ENISA, NISSG and RAISE Forum
- Review and update the security project action plan
- Provide concise summary of achievements for inclusion in SG 17 report to relevant entities

• **Question 2/17 - Security architecture and framework**

- Responsible for Recommendations X.800, X.802, X.803, X.805, X.810, X.811, X.812, X.813, X.814, X.815, X.816, X.830, X.831, X.832, X.833, X.834, X.835, X.841, X.842, X.843, X.1031, X.1034, X.1035, X.1036, X Suppl.2 and X Suppl.3
- Review results of activities since the September 2009 SG 17 meeting
- Finalize work and achieve *determination* of X.interfaces, Architecture of external interrelations for a telecommunication network security system
- Progress work on draft Recommendations:
  - X.1034 (revised), Guideline on extensible authentication protocol-based authentication and key management in a data communication network – enhancing the extensible authentication protocol (EAP) based authentication and key management
  - X.gsiiso, Guidelines on security of the individual information service for operators
- Review progress on the SG 17 initiative on business use of telecommunication/ICT security standards in coordination with Question 1/17
- Review status of the coordination with other ITU-T study groups, and particularly SG 13 on security issues related to NGN
- Address any coordination issues from JCA-NGN and identify any issues to report to JCA-NGN

- Consider efficient cooperative work with ISO/IEC JTC 1/SC 27 on IT network security project
- Consider efficient collaboration with other bodies including ISO/IEC JTC 1/SCs 27 and 37, IEC TC 25, ISO TC 12, IETF, ATIS, ETSI, 3GPP and 3GPP2
- Update summaries of draft revised and new Recommendations
- Update the action plan
- Provide concise summary of achievements for inclusion in SG 17 report to relevant entities
- **Question 3/17 - Telecommunications information security management**
  - Responsible for Recommendations E.409 (in conjunction with SG 2), X.1051, X.1055 and X.1056
  - Review results of activities since the September 2009 SG 17 meeting
  - Progress work on draft new Recommendations:
    - X.amg, Information asset maintenance guidelines in telecommunication organizations
    - X.isgf, Information technology – Security techniques – Information security governance framework
    - X.ismf, Information security management framework
    - X.sgsf, Information security management guidelines for small and medium telecommunication organizations
  - Consider further work in relation with the implementation of WTSA-08 Res. 58
  - Consider what further efforts can be done in support of TDR/EW
  - Consider efficient collaboration with other bodies including ISO/IEC JTC 1/SC 27, ETSI, TTC and NIST
  - Update summaries of draft revised and new Recommendations
  - Update the action plan
  - Provide a consolidated, concise summary of achievements regarding WTSA-08 Res. 58
  - Provide concise summary of achievements for inclusion in SG 17 report to relevant entities
- **Question 4/17 - Cybersecurity**
  - Responsible for Recommendations X.1205, X.1206, X.1207 and X.1303
  - Review results of activities since the September 2009 SG 17 meeting
  - Finalize work and achieve *determination* of
    - X.cve, Common vulnerabilities and exposures
    - X.cvss, Common vulnerability scoring system
    - X.cybex, Cybersecurity information exchange framework
    - X.sisfreq, Use cases and capabilities for cybersecurity information sharing and exchange
  - Progress work on draft new Recommendations:
    - X.abnot, Abnormal traffic detection and control guideline for telecommunication network
    - X.bots, Framework for botnet detection and response
    - X.capec, Common attack pattern enumeration and classification
    - X.cce, Common configuration enumeration
    - X.cce, Common event expression
    - X.chirp, Cybersecurity heuristics and information request protocol
    - X.cpe, Common platform enumeration
    - X.crf, Common result format
    - X.cwe, Common weakness enumeration
    - X.cwss, Common weakness scoring system
    - X.cybex.1, An OID arc for cybersecurity information exchange (in collaboration with Q.12/17)
    - X.cybex.2, Use of XML namespace in the cybersecurity information exchange framework (in collaboration with Q.12/17)
    - X.cybex.beep, Definition of blocks extensible exchange protocol (BEEP) profile for cybersecurity information exchange framework
    - X.cybex-disc, Discovery mechanisms in the exchange of cybersecurity information (in collaboration with Q.12/17)

- X.cybex-tp, Transport protocols supporting cybersecurity information exchange
- X.dexf, Digital evidence exchange file format
- X.dpi, Deep packet inspection exchange format
- X.eipwa, Exchange of information for preventing web-based attacks
- X.gopw, Guideline on preventing malicious code spreading in a data communication network
- X.gpn, Mechanism and procedure for distributing policies for network security
- X.gridf, SmartGrid incident exchange format
- X.iodf, Incident object description exchange format
- X.oval, Open vulnerability and assessment language
- X.pfoc, Phishing, fraud, and other crimeware exchange format
- X.scap, Security content automation protocol
- X.sips, Framework for countering cyber attacks in session initiation protocol (SIP)-based services
- X.tb-ucc, Traceback use cases and capabilities
- X.teef, Cyber attack tracing event exchange format
- X.trm, Traceback mechanisms
- X.xccdf, Extensible configuration checklist description format
- Consider initiating work on new draft Recommendations
- Review results from the correspondence group on Coordination of the cybersecurity information exchange framework
- Coordinate with TSB for finalizing a reference website on cybersecurity organizations pursuant to WTSA-08 Res. 58
- Contribute to the study on countering spam (see Question 5/17)
- Contribute to the work on X.alerting (see Question 12/17)
- Consider efficient collaboration with other bodies including ISO/IEC JTC 1/SC 27, IEEE, IETF, OASIS, 3GPP, 3GPP2, OMA, ETSI/TISPAN, NIST, OECD, FIRST and CERT/CC
- Consider (with Q.3/17) enhancing collaboration with the large array of cybersecurity service organizations active globally including the CCDB and Mitre
- Consider a more broader involvement of regional organizations in the work of Q.4/17
- Update summaries of draft revised and new Recommendations
- Update the action plan
- Provide a consolidated, concise summary of achievements regarding WTSA-08 Res. 50
- Provide concise summary of achievements for inclusion in SG 17 report to relevant entities
- **Question 5/17 - Countering spam by technical means**
  - Responsible for Recommendations X.1231, X.1240, X.1241, X.1242, X.1244 and X Suppl.6
  - Review results of activities since the September 2009 SG 17 meeting
  - Review results from the correspondence group on revision work for X.fcsip
  - Review any service-related requirements on countering spam developed by SG 2
  - Review work in progress in ITU-D Q.22/1
  - Finalize work and achieve *determination* on draft new Recommendations:
    - X.fcsip, Framework for countering spam in IP-based multimedia applications
    - X.tcs-1, Interactive gateway system for countering spam
  - Progress work on draft new Recommendations:
    - X.ics, Functions and interfaces for countering email spam sent by botnet
    - X.tcs-2, Technical means for countering VoIP spam
  - Consider efficient collaboration with other bodies including IETF, ISO/IEC JTC 1, OECD and MAAWG
  - Update summaries of draft revised and new Recommendations
  - Update the action plan
  - Provide a consolidated, concise summary of achievements regarding WTSA-08 Res. 52

- Provide concise summary of achievements for inclusion in SG 17 report to relevant entities

#### **Working Party 2 - Application security**

- Review and approve results from interim activities
- Consider holding a workshop on telebiometrics
- Consider contributing to the December 2010 security workshop

#### **• Question 6/17 - Security aspects of ubiquitous telecommunication services**

- Responsible for Recommendations X.1111, X.1112, X.1113, X.1114, X.1121, X.1122, X.1123, X.1124, X.1125, X.1171 and X.1191
- Review results of activities since the September 2009 SG 17 meeting
- Finalize work and achieve *consent* on draft Recommendation X.mcsec-1, Security requirements and framework for multicast communication
- Progress work on draft new Recommendations:
  - X.iptvsec-2, Functional requirements and mechanisms for secure transcodable scheme of IPTV
  - X.iptvsec-3, Key management framework for secure IPTV services
  - X.iptvsec-4, Algorithm selection scheme for service and content protection (SCP) descrambling
  - X.iptvsec-5, Service and content protection (SCP) interoperability scheme
  - X.msec-5, Security requirements and mechanism for reconfiguration of mobile device with multiple communication interfaces
  - X.msec-6, Security aspects of mobile phones (replacement of “mobile phones” with “smart phones” will be considered)
- Collaboratively with ISO/IEC JTC 1/SC 6/WG 7, Progress work on draft new Recommendations:
  - X.usnsec-1, Information technology – Security framework for ubiquitous sensor network
  - X.usnsec-2, Ubiquitous sensor network (USN) middleware security guidelines
  - X.usnsec-3, Secure routing mechanisms for wireless sensor network
- Consider any additions to existing Recommendations
- Address any coordination issues from JCA-IPTV, JCA-HN and JCA-NID and identify any issues to report to these JCAs
- Consider efficient collaboration with other bodies including ISO/IEC JTC 1/SCs 6, 25, 27 and 31, IETF, 3GPP, 3GPP2 and OMA
- Update summaries of draft revised and new Recommendations
- Update the action plan
- Provide concise summary of achievements for inclusion in SG 17 report to relevant entities

#### **• Question 7/17 - Secure application services**

- Responsible for Recommendations X.1141, X.1142, X.1143, X.1151, X.1152, X.1161 and X.1162
- Review results of activities since the September 2009 SG 17 meeting
- Finalize work and achieve *consent* on X.1141, Amendment 1 to align with OASIS standard SAML 2.0 errata
- Finalize work and achieve *consent* on X.1142, Amendment 1 to align with OASIS standard XACML 2.0 errata
- Progress work on draft new Recommendations:
  - X.p2p-3, Security requirements and mechanisms of peer-to-peer-based telecommunication network
  - X.sap-3, Management framework for one time password based authentication service
  - X.sap-4, The general framework of strong authentication on multiple authentication authorities environment (in collaboration with Q.10/17)
  - X.sap-5, A guideline on anonymous authentication for e-commerce service
  - X.websec-4, Security framework for enhanced web-based telecommunication services
- Consider any additions to existing Recommendations
- Consider efficient collaboration with other bodies including ISO/IEC JTC 1/SC 27 and 38 (newly established sub-committee on distributed application platform and services (DAPS)), IETF, OASIS and Liberty Alliance/Kantara Initiative

- Update summaries of draft revised and new Recommendations
- Update the action plan
- Provide concise summary of achievements for inclusion in SG 17 report to relevant entities
- **Question 8/17 - Service oriented architecture security**
  - Review the contributions to the meeting and further develop a work plan for the study period including identification of Recommendations to be developed
  - Identify relevant relationships within the ITU-T
  - Consider efficient collaboration with other bodies including ISO/IEC JTC 1/SC 7 (Study Group on Service Oriented Architecture (SOA)), ISO/IEC JTC 1/SC 27 and 38 (newly established sub-committee on distributed application platform and services (DAPS)), IETF, OASIS (on SOA security), 3GPP, 3GPP2, OMA, ETSI/TISPAN and TM Forum
  - Develop summaries for any draft new Recommendations
  - Update the action plan
  - Provide concise summary of achievements for inclusion in SG 17 report to relevant entities
- **Question 9/17 - Telebiometrics**
  - Responsible for Recommendation X.1081, X.1082, X.1083, X.1084, X.1086, X.1088 and X.1089
  - Review results of activities since the September 2009 SG 17 meeting
  - Identify any relevant action with regard to the telebiometrics database (maintenance of the prototype is discontinued by the TSB), including necessary review/control and discussion on process
  - Further progress on the development of a booklet on telebiometrics
  - Finalize work and *consent* on draft Recommendations
    - X.1081, Amendment 3, Enhancements to support ISO/IEC 80000-series
    - X.1082, Amendment 2, Enhancements to support ISO/IEC 80000-series
  - Progress work on draft new Recommendations:
    - X.gep, A guideline for evaluating telebiometric template protection techniques
    - X.ott, Authentication framework with one-time telebiometric template
    - X.th1, Telehealth and world-wide telemedicines – Generic telecommunications protocol
    - X.th2, Telebiometrics related to physics
    - X.th3, Telebiometrics related to chemistry
    - X.th4, Telebiometrics related to biology
    - X.th5, Telebiometrics related to culturology
    - X.th6, Telebiometrics related to psychology
    - X.tif, Integrated framework for telebiometric data protection in telehealth and worldwide telemedicines
    - X.tpp-2, A guideline for data protection in multibiometric systems
  - Consider efficient collaboration with other bodies including ISO/IEC JTC 1/SCs 17, 27, and 37, ISO TCs 12, 68 and 215, IEC TC 25, IETF and IEEE
  - Review the collaboration status with ISO/IEC JTC 1/SC 27 for security evaluation and testing of biometric technology
  - Review the collaboration status with ISO/IEC JTC 1/SC 37 for biometrics standards
  - Review the collaboration status with ISO TC 12 for physiological quantities and their units
  - Review the collaboration status with IEC TC 25 for physiological quantities and their units
  - Consider holding a workshop on telebiometrics during next meeting of Study Group 17
  - Update summaries of draft revised and new Recommendations
  - Update the action plan
  - Provide concise summary of achievements for inclusion in SG 17 report to relevant entities

### **Working Party 3 - Identity management and languages**

- Progress tasks related to implementation of WTSA-08 Resolutions, e.g., Res. 76

- Review and approve results from interim activities
- Perform the lead study group (LSG) responsibility for identity management, including reviewing the LSG information on the SG 17 web page and preparing a concise report to TSAG
- Perform lead study group (LSG) responsibility for languages and description techniques (with respect to notations for defining and describing systems, quality and methods, notation for testing and interfaces, deployment and configuration), including reviewing the LSG information on the SG 17 web page and preparing a concise report to TSAG
- **Question 10/17 - Identity management architecture and mechanisms**
  - Responsible for X.1250, X.1251 and X Suppl.7
  - Review results of activities since the September 2009 SG 17 meeting, in particular from the collaborative activity with ISO/IEC JTC 1/SC 27/WG 5 on X.eaa
  - Review results from the correspondence group on X.evcert normative provisions
  - Consider re-establishing a joint coordination activity on identity management (JCA-IdM) under the SG 17 responsibility
  - Consider results of consultation and any contributions on *determined* draft new Recommendation X.1252, Baseline identity management terms and definitions
  - Consider results of consultation and any contributions on *determined* draft new Recommendation X.1275, Guidelines on protection of personally identifiable information in the application of RFID technology
  - Progress work on draft new Recommendations:
    - X.authi, Authentication integration in identity management
    - X.eaa, Information technology – Security techniques – Entity authentication assurance
    - X.EVcert, Extended validation certificate framework
    - X.giim, Generic identity management interoperability mechanisms
    - X.idm-dm, Common identity data model
    - X.idm-ifa, Framework architecture for interoperable identity management systems
    - X.idmgen, Generic identity management framework
    - X.idmsg, Security guidelines for identity management systems
    - X.priva, Criteria for assessing the level of protection for personally identifiable information in identity management
  - Address any coordination issues from JCA-IdM and identify any issues to report to the JCA-IdM
  - Consider efficient collaboration with other bodies including ISO/IEC JTC 1/SCs 6, 27 and 37, IETF, ATIS, ETSI/TISPAN, OASIS, Liberty Alliance/Kantara Initiative, OMA, NIST, 3GPP, 3GPP2, Eclipse, InCommon, PRIME, OpenID Foundation, Shibboleth and CA/Browser Forum
  - Review the collaboration status with ISO/IEC JTC 1/SC 27/WG 5
  - Review the collaboration status with Liberty Alliance/Kantara Initiative
  - Update summaries of draft new Recommendations
  - Update the action plan
  - Perform the lead study group (LSG) responsibility for identity management, including reviewing the LSG information on the SG 17 web page and preparing a concise report to TSAG
  - Provide concise summary of achievements for inclusion in SG 17 report to relevant entities
- **Question 11/17 - Directory services, Directory systems, and public-key/attribute certificates**
  - Responsible for Recommendations E.104 (in conjunction with SG 2), E.115 (in conjunction with SG 2), F.500, F.510, F.515, X.500, X.501, X.509, X.511, X.518, X.519, X.520, X.521, X.525, X.530, e-X.Imp500
  - Collaborative meeting with ISO/IEC JTC 1/SC 6/WG 8 (Directory)
  - Review results of activities since the September 2009 Study Group 17 meeting
  - Further consider the need for IdM/NGN directory requirements
  - Further consider the need for extension to X.500-series with regard to Question 10/17 work on X.EVcert
  - Finalize work and achieve *consent* on E.115 (revised), Computerized directory assistance
  - Progress work on new amendments to X.500-series Recommendations
  - Consider what new work is needed based on the results of recent IETF meetings

- Consider any received defect reports and progress any necessary technical corrigenda, including updates to the Directory Implementers' Guide
  - Review the web-based application for the Directory Implementers' Guide
  - Consider efficient collaboration with other bodies including ISO/IEC JTC 1/SCs 6 and 27, IETF, CA/Browser Forum and OASIS
  - Update summaries of draft revised and new Recommendations
  - Update the action plan
  - Provide concise summary of achievements for inclusion in SG 17 report to relevant entities
  - **Question 12/17 – Abstract Syntax Notation One (ASN.1), Object Identifiers (OIDs) and associated registration**
    - Responsible for X.660, X.662, X.665, X.666, X.667, X.668, X.669, X.670, X.671, X.680, X.681, X.682, X.683, X.690, X.691, X.692, X.693, X.694, X.695, X.891, X.892 and X.893
    - Collaborative meeting with ISO/IEC JTC 1/SC 6/WG 9 on ASN.1 and registration authorities
    - Responsible for the ITU-T ASN.1 & OID Project
      - to assist existing users of ASN.1 within and outside of ITU-T, and to promote the use of ASN.1 across a wide range of industries and standards bodies
      - to establish a publicly-accessible database of machine-processable versions of ASN.1 modules in ITU-T Recommendations
      - to assist national bodies to establish registration authorities for object identifiers
    - Review results of activities since the September 2009 Study Group 17 meeting
    - Finalize work and achieve *consent* on draft new Recommendation X.oid-res, Object identifier resolution system
    - Progress work on draft new Recommendations
      - X.alerting, Information technology – Open systems interconnection – Procedures for the registration of arcs under the Alerting object identifier arc
      - X.oid-exp, Object identifier repository export format
    - Assist Q.4/17 in the work on X.cybex.1, X.cybex 2 and X.cybex-disc
    - Assist Q.13/17 in the development of draft Recommendation X.uml-asn1 on UML profile for ASN.1
    - Consider any additions to existing Recommendations
    - Progress work on defect reports and progress any necessary technical corrigenda
    - Consider efficient collaboration with other bodies including ISO/IEC SCs that use ASN.1 or OIDs, OMG, IETF, W3C and OASIS
    - Review the collaboration status with ISO/IEC JTC 1/SC 31 and with the management group of the MoU between ISO, IEC, UNECE, ITU and others on e-business
    - Review and update as necessary the information on SG 17 web page concerning ASN.1 and OID Project, ASN.1 Module Database, and Object Identifiers (OIDs) and Registration Authorities
    - Update summaries of draft revised and new Recommendations
    - Update the action plan
    - Provide concise summary of achievements for inclusion in SG 17 report to relevant entities
  - **Question 13/17 Formal languages and telecommunication software**
    - Responsible for X.901, X.902, X.903, X.904, X.906, X.910, X.911, X.920, X.930, X.931, X.950, X.952, X.960, Z.100, Z.104, Z.105, Z.106, Z.109, Z.110, Z.111, Z.119, Z.120, Z.121, Z.150, Z.151, Z.200, Z.400, Z.450, Z.600, Z.601, Z Suppl.1, Z.Imp100
    - Review results of activities since the September 2009 Study Group 17 meeting
- Specification and Description Language**
- Finalize work and achieve *consent* on draft new and revised Recommendations on SDL-2010:
    - Z.100 (revised), Overview of SDL-2010
    - Z.101 (new), Basic SDL-2010
    - Z.102 (new), Comprehensive SDL-2010
    - Z.103 (new), Shorthand notation and annotation in SDL-2010
    - Z.104 (revised), Data and action language in SDL-2010



- Z.105 (revised), SDL-2010 combined with ASN.1 modules
- Z.106 (revised), Common interchange format (CIF) for SDL-2010
- Finalize work and *approve* Z.Imp100 (revised), SDL Implementers' Guide, version 2.0.0 for SDL-2010

#### **Message Sequence Chart**

- Progress work on draft revised Recommendation Z.120, Message sequence chart (MSC), and (if needed) Z.121

#### **User Requirements Notation**

- Progress work on draft revised Recommendations:
  - Z.150, Language requirements and framework
  - Z.151, Language definition
- Progress work on draft new Recommendation Z.urn-ma, Methodological approach

#### **Framework and profiles for Unified Modelling Language**

- Progress work on draft Recommendations:
  - Z.109 (revised), SDL-2010 combined with UML
  - Z.uml-msc, UML profile for MSC
  - Z.uml-urn, UML profile for URN
- Progress work on Z Suppl.1 (revised, renumbered from Z.100 Sup.1), Supplement on methodology on the use of description techniques

#### **Open Distributed Processing**

- Identify what additional work on ODP should be pursued taking into account ongoing work in ISO/IEC JTC 1/SC 7 and in OMG
- Consider efficient cooperative work with ISO/IEC JTC 1/SC 7/WG 19
- Consider collaboration with Question 18/13 on NGN and COTS components issues
- Identify relevant middleware issues for standardization in the telecom domain

#### **Further tasks**

- Consider efficient collaboration with other bodies including ISO/IEC JTC 1 and its SC 7/WG 19, ETSI, OMG, IETF and SDL Forum Society
- Update summaries of draft revised and new Recommendations
- Update the action plan
- Provide concise summary of achievements for inclusion in SG 17 report to relevant entities

#### **• Question 14/17 - Testing languages, methodologies and framework**

- Responsible for X.290, X.291, X.292, X.293, X.294, X.295, X.296, Z.161, Z.162, Z.163, Z.164, Z.165, Z.166, Z.167, Z.168, Z.169, Z.170, Z.500, X Suppl.4 and X Suppl.5
- Provide guidance to TSAG, JCA-CIT and study groups on how ITU could strengthen its role in conformance testing and interoperability testing
- Finalize work and achieve *consent* on draft revised Recommendations of the Testing and Test Control Notation version 3 (TTCN-3) series:
  - Z.161, TTCN-3 core language
  - Z.164, TTCN-3 operational semantics
  - Z.165, TTCN-3 runtime interface (TRI)
  - Z.166, TTCN-3 control interface (TCI)
  - Z.167, TTCN-3 mapping from ASN.1
  - Z.168, TTCN-3 mapping from CORBA IDL
  - Z.169, TTCN-3 mapping from XML data definition
- Address any coordination issues from JCA-CIT and identify any issues to report to JCA-CIT
- Consider efficient collaboration with other bodies including ISO/IEC JTC 1, ETSI and OMG
- Consider additional opportunities with ETSI/MTS
- Consider relationship with ISO/CASCO
- Review and update information on the SG 17 web page concerning TTCN

- Update summaries of draft revised and new Recommendations
- Update the action plan
- Consider new actions related to the implementation of WTSA-08 Res. 76 in close collaboration, in particular with Study Group 11
- Provide a consolidated, concise summary of achievements regarding WTSA-08 Res. 76
- Provide concise summary of achievements for inclusion in SG 17 report to relevant entities
- **Question 15/17 - Open Systems Interconnection (OSI)**
  - Responsible for the base Recommendations for Open Systems Interconnection (OSI) listed below.
  - Consider the need for maintenance and, or update for correcting errors or enhancing the specified functions to Recommendations: F.400, F.401, F.410, F.415, F.420, F.421, F.423, F.435, F.440, F.471, F.472, X.200, X.207, X.210, X.211, X.212, X.213, X.214, X.215, X.216, X.217, X.217bis, X.218, X.219, X.220, X.222, X.223, X.224, X.225, X.226, X.227, X.227bis, X.228, X.229, X.233, X.234, X.235, X.236, X.237, X.237bis, X.245, X.246, X.247, X.248, X.249, X.255, X.256, X.257, X.260, X.263, X.264, X.273, X.274, X.281, X.282, X.283, X.284, X.287, X.400, X.402, X.404, X.408, X.411, X.412, X.413, X.419, X.420, X.421, X.435, X.440, X.445, X.446, X.460, X.462, X.467, X.481, X.482, X.483, X.484, X.485, X.486, X.487, X.488, X.610, X.612, X.613, X.614, X.622, X.623, X.625, X.630, X.633, X.634, X.637, X.638, X.639, X.641, X.642, X.650, X.851, X.852, X.853, X.860, X.861, X.862, X.863, X.880, X.881, X.882
  - Consider any received defect reports and progress any necessary Technical Corrigenda, including updates to the OSI Implementers' Guide or X.400 Implementers' Guide
  - Question 15/17 will meet as necessary



ANNEX 3  
(to TSB Collective letter 3/17)

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ANNEX 4  
(to TSB Collective letter 3/17)



ITU-T Study Group 17 meeting  
Geneva, Switzerland, 7-16 April 2010



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