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| **Telecommunication StandardizationBureau** |  |
|  |  |

 Geneva, 18 January 2013

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| Ref: | **TSB Collective letter 1/17** |  |
| Tel:Fax:E-mail: | +41 22 730 5866+41 22 730 5853tsbsg17@itu.int | To:* Administrations of Member States of the Union,
* ITU-T Sector Members,
* ITU-T Associates participating in the work of Study Group 17 and
* ITU-T Academia
 |

|  |  |
| --- | --- |
| Subject: | **Meeting of Study Group 17;Geneva, 17 – 26 April 2013** |

Dear Sir/Madam,

It is my pleasure to invite you to attend Study Group 17 (Security) which is to meet at ITU headquarters, Geneva, from 17 to 26 April 2013 inclusive.

I should like to inform you that 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. Additional information about the meeting is set forth in **Annex A**.

The draft **Agenda** of the meeting, as prepared by the Chairman of Study Group 17, is set out in **Annex B**. A **proposed structure of SG17** is contained in **Annex C**. The draft **Timetable**, as prepared by the Chairman and the Rapporteurs of Study Group 17, is set out in **Annex D.** The draft **work programme for working parties and Questions**, as prepared by the proposed working party chairmen and interregnum Rapporteurs, is set out in **Annex E**.

I wish you a productive and enjoyable meeting.

Yours faithfully,

Malcolm Johnson
Director of the Telecommunication
Standardization Bureau

Annexes: 5

**ANNEX A**

**MAKING CONTRIBUTIONS**

**DEADLINES FOR CONTRIBUTIONS:** The deadline for contributions is 12 (twelve) calendar days before the before the meeting. Such contributions will be published on the Study Group 17 website and must therefore be received by TSB **not later than 4 April 2013 (23:59 CEST)**. Contributions received at least **two** months (i.e. **17 February 2013**) before the start of the meeting may be translated, if requested.

**DIRECT POSTING/DOCUMENT SUBMISSION:** A direct posting system for contributions is available on-line. The direct posting system allows ITU-T members to reserve contribution numbers and to upload/revise contributions directly to the ITU-T web server. Further information and guidelines for the new direct posting system are available at the following address: <http://itu.int/net/ITU-T/ddp/>.

**TEMPLATES:** Please use the provided set of templates to prepare your contribution. The templates are accessible from each ITU-T study group web page, under “Delegate resources” (<http://itu.int/ITU-T/studygroups/templates>). The name, fax and telephone numbers and e-mail address of the person to be contacted about the contribution should be indicated on the cover page of all documents.

**WORK METHODS AND FACILITIES**

**INTERPRETATION** will be available upon request for the opening and closing plenary of the meeting. For sessions that are scheduled to be held with interpretation, please note that interpretation only will be provided if a Member State so requests by checking the corresponding box on the registration form, or by sending a written request to TSB, **at least one month before the first day of the meeting**. It is imperative that this deadline be respected in order for TSB to make the necessary arrangements for interpretation.

**PAPERLESS MEETINGS:** In agreement with its Chairman, Mr Arkadiy Kremer, Study Group 17 will take further steps towards working in a fully electronic environment. The meeting will therefore be run paperless.

**WIRELESS LAN** facilities are available for use by delegates in all ITU meeting rooms and in the CICG (Geneva International Conference Centre) building. Detailed information is available on the ITU-T website (<http://itu.int/ITU-T/edh/faqs-support.html>).

**E-LOCKERS** are available on the ground floor of the Montbrillant building. Your ITU RFID badge opens and closes the e-locker. Your e-locker is available only for the period of the meeting you are attending, so please ensure that you empty the locker before 23:59 on the last day of the meeting.

**LOAN LAPTOPS:** The ITU Service Desk (servicedesk@itu.int) has available a limited number of laptops on a first-come, first-serve basis, for those who do not have one.

**PRINTERS:** Printers are available in the cyber café on the second basement level of the Tower building, on the ground floor of the Montbrillant building and near the major meeting rooms, for delegates who wish to print documents.

**E-PRINTING:** In addition to the "traditional" print method using printer queues that need to be installed on the user's computer or device, printing documents via e-mail ("e-print") is now possible. The procedure is simply to attach the documents to be printed to an email, that is sent to the desired printer email address (in the form printername@eprint.itu.int). No driver installation is required. For more details, please see <http://itu.int/ITU-T/go/e-print>.

**REGISTRATION, NEW DELEGATES and FELLOWSHIPS**

**REGISTRATION** To enable TSB to make the necessary arrangements, please send by letter, fax (+41 22 730 5853) or e-mail (tsbreg@itu.int) **not later than 17 March 2013**, the list of people who will be representing your Administration, Sector Member, Associate, Academic Institution, 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).

**Please note that pre-registration of participants to ITU-T meetings is carried out *online* at the ITU-T website (**[**http://itu.int/ITU-T/studygroups/com17**](http://itu.int/ITU-T/studygroups/com17)**).**

**NEW DELEGATES** are invited to attend a **MENTORING PROGRAMME**, including a welcome briefing upon registration, guided visit of ITU headquarters and orientation session on ITU-T. Please check the corresponding box on the registration form if you would like to participate.

**FELLOWSHIPS:** We are pleased to inform you that one full or two partial fellowships per administration will be awarded, subject to available funding, to facilitate participation from Least Developed or Low Income Developing Countries (<http://itu.int/en/ITU-T/info/Pages/resources.aspx>). An application for a fellowship must be authorized by the relevant Administration of the ITU Member State. Fellowship requests (please use enclosed **Form 1)**, must be returned to ITU **not later than 3 March 2013**.

**KEY DEADLINES (before meeting)**

|  |  |  |
| --- | --- | --- |
| Two months | 17 February 2013 | - submit contributions for which translation is requested |
| Six weeks | 3 March 2013 | - fellowship requests |
| One month | 17 March 2013 | - requests for interpretation at opening and/or closing plenary- requests for visas |
| 12 Calendar days | 4 April 2013 | - final deadline for contributions |

**VISITING GENEVA: HOTELS AND VISAS**

**HOTELS:** For your convenience, a hotel reservation form is enclosed (Form 2). A list of hotels can be found at <http://itu.int/travel/>

**VISAS:** Please remember that citizens of some countries are required to obtain a visa in order to enter and spend 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) bearing the words **“visa request”**.

**FORM 1 - FELLOWSHIP REQUEST**

**(to TSB Collective letter 1/17)**

|  |  |  |
| --- | --- | --- |
|  | **ITU-T Study Group 17 meeting****Geneva, Switzerland, 17 – 26 April 2013** |  |
| **Please return to:** | **ITU****Geneva (Switzerland)** | **E-mail : bdtfellowships@itu.int** **Tel: +41 22 730 5487** **Fax: +41 22 730 5778** |
| **Request for one full fellowship or two partial fellowships to be submitted before 3 March 2013** |
|  | Participation of women is encouraged |  |
| Registration Confirmation I.D. No: ……………………………………………………………………………(Note: It is imperative for fellowship holders to pre-register via the on-line registration form at: <http://itu.int/ITU-T/studygroups/com17>)**Country: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_****Name of the Administration or Organization: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_****Mr. / Ms. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(family name) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(given name)****Title: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |
| **Address: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_****\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_****Tel.: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Fax: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ E-Mail:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_****PASSPORT INFORMATION :****Date of birth: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_****Nationality: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Passport number: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_****Date of issue: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ In (place) : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Valid until (date): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |
| **Please select your preference**  |
| 1. **□** One full fellowship     or **□** two partial fellowships (per eligible country).
 |
| 1. In case of two partial fellowships, chose one of the following:
 |
|  **□ Economy class air ticket (duty station / Geneva / duty station).** **□ Daily subsistence allowance intended to cover accommodation, meals & misc. expenses.** |
|  |
| **Signature of fellowship candidate:** | **Date:** |
| **TO VALIDATE FELLOWSHIP REQUEST, NAME, TITLE AND SIGNATURE OF CERTIFYING OFFICIAL DESIGNATING PARTICIPANT MUST BE COMPLETED BELOW WITH OFFICIAL STAMP.****N.B. IT IS IMPERATIVE THAT FELLOWS BE PRESENT FROM THE FIRST DAY TO THE END OF THE MEETING.** |
| **Signature** | **Date** |

**FORM 2 - HOTELS**

**(to TSB Collective letter 1/17)**

|  |
| --- |
| *This confirmation form* ***should be sent direct*** *to the hotel**of your choice* |

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|  | **INTERNATIONAL TELECOMMUNICATION UNION** |  |

**TELECOMMUNICATION STANDARDIZATION SECTOR**

*SG17 meeting from 17 – 26 April 2013 in Geneva*

*Confirmation of the reservation made on (date) ------------------------- with (hotel) --------------------------*

***at the ITU preferential tariff***

*------------ single/double room(s)*

*arriving on (date) --------------------------- at (time) ------------- departing on (date) --------------------------*

***GENEVA TRANSPORT CARD :*** *Hotels and residences in the canton of Geneva now provide a free "Geneva Transport Card" valid for the duration of the stay. This card will give you free access to Geneva public transport, including buses, trams, boats and trains as far as Versoix and the airport.*

*Family name* ------------------------------------------------------------------------------------------------------------

*First name*  ------------------------------------------------------------------------------------------------------------

*Address*  --------------------------------------------------------------------- *Tel: ----------------------------*

*-------------------------------------------------------------------------------------- Fax: ----------------------------*

*-------------------------------------------------------------------------------------- E-mail:* ---------------------------

*Credit card to guarantee this reservation*: AX/VISA/DINERS/EC (*or* *other) ----------------------------*

*No.* ------------------------------------------------------- *valid until* --------------------------------------------

*Date* ---------------------------------------------------- *Signature*  ----------------------------------------------

**ANNEX B
(to TSB Collective letter 1/17)**

Draft agenda for the plenary

1. Opening of the meeting and welcome
2. Results of WTSA-12 pertaining to Study Group 17
	1. Study group leadership
	2. Study group responsibility and mandate
	3. Lead study group responsibilities
	4. Questions
	5. Other WTSA-12 decisions
3. Organization of Study Group 17
	1. Working party structure
	2. Appointment of working party chairmen
	3. Appointment of Rapporteurs and associate rapporteurs
	4. Other appointments
4. Results from the last meeting of Study Group 17
	1. Report of the 29 August – 7 September 2012 Study Group 17 meeting
	2. Result of Recommendations consented under AAP
	3. Result of the Member States consultation for Recommendations under TAP
	4. Reports of the interim Rapporteur group meetings
	5. Reports from the Correspondence Groups on:
		1. *Providing confidence and security in the use of telecommunication/ICT within industrial systems*
		2. *XACML (eXtensible Access Control Markup Language) activities*
		3. *Discovery of Identity Management Information*
		4. *Mobile IdM framework*
	6. Report from the Security Coordination Team
	7. SG17 participation in workshops and seminars
5. Coordination, collaboration and cooperation
	1. Focus groups (FGs), joint coordination activities (JCAs) and Global standards initiatives (GSIs)
	2. Relations with other lead study groups
	3. Strategic Advisory Group on Security (SAG-S) (IEC, ISO, ITU-T)
	4. Memorandum of Understanding on e-business (IEC, ISO, ITU-T, UN/ECE)
	5. Collaboration with ISO/IEC JTC 1
	6. Collaboration with IETF
	7. Collaboration with ETSI
	8. Collaboration with the SDL Forum Society
	9. Collaboration with the Kantara Initiative
	10. Collaboration with OASIS
	11. Collaboration with FIRST
	12. Collaboration with Cloud Security Alliance
	13. Interaction with other industry consortia and fora
	14. Reports on other liaison and collaboration activities
6. General matters
	1. SG17 organization for this meeting
	2. Newcomers’ orientation sessions
	3. Appointments (to fill associate Rapporteur and other open positions)
	4. SG17 lead study group activities
	5. Confirmation to continue JCA-IdM, and JCA-COP
	6. Preparation for next TSAG meeting
	7. SG17 activities in support of WTSA-12 Resolutions, PP-10 Resolutions and WTDC-10 Resolutions
	8. Status of SG17 Projects
	9. Tutorials for this meeting
	10. Future SG17 organized outreach events (workshops, summits, seminars)
7. Program for this meeting (working party meetings and meeting on Questions)
	1. Meeting reports including action plans
	2. Recommendations and other texts for approval at this Study Group 17 meeting
	3. Recommendations for consent or determination at this Study Group 17 meeting
	4. Recommendations planned for consent or determination at the next Study Group 17 meeting
	5. Recommendations planned for consent or determination later in the study period
	6. Manuals, roadmaps and wikis
	7. Liaison statements
	8. Summaries of Recommendations
	9. New work items and work items to be removed from the work programme
	10. Planned Rapporteur group meetings, correspondence groups and other activities
	11. Highlights of achievements
8. Working arrangements for this meeting
	1. Update on tools available for the conduct of the work
	2. Mailing lists, including e-mail addresses
	3. List of meeting documents and allocation of documents to Questions
	4. Meeting schedule and room allocation
9. Future meetings of Study Group 17
10. Information from vice-chairmen and working party chairmen
11. Any other business
12. Closing

**ANNEX C**

**(to TSB Collective letter 1/17)**

**Proposed Study Group 17 structure for the 2013 – 2016 study period**

**Working Party 1/17, Fundamental security:**

|  |  |
| --- | --- |
| Q1/17 | Telecommunication/ICT security coordination |
| Q2/17 | Security architecture and framework |
| Q3/17 | Telecommunications information security management |

**Working Party 2/17, Network and information security:**

|  |  |
| --- | --- |
| Q4/17 | Cybersecurity |
| Q5/17 | Countering spam by technical means |

**Working Party 3/17, Identity management and cloud computing security:**

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| --- | --- |
| Q10/17 | Identity management architecture and mechanisms |
| Q8/17 | Cloud computing security |
| Q11/17 | Generic technologies to support secure applications (parts: Directory, PKI) |

**Working Party 4/17, Application security:**

|  |  |
| --- | --- |
| Q6/17 | Security aspects of ubiquitous telecommunication services |
| Q7/17 | Secure application services |
| Q9/17 | Telebiometrics |

**Working Party 5/17, Formal languages:**

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| --- | --- |
| Q11/17 | Generic technologies to support secure applications (parts: ASN.1, OID, ODP, OSI) |
| Q12/17 | Formal languages for telecommunication software and testing |

**ANNEX D
(to TSB Collective letter 1/17)**

Draft Timetable

Provisional work plan for ITU-T Study Group 17 meeting, Geneva, 17 – 26 April 2013 1 (Status: 10 January 2013)

| **1st week** | **TUE 16 April** | **WED 17 April** | **THU 18 April** | **FRI 19 April** | **SAT 20 April** | **SUN 21 April** |
| --- | --- | --- | --- | --- | --- | --- |
|  |  | **AM** |  | **PM** | **AM** |  | **PM** | **AM** |  | **PM** | **AM** |  | **PM** | **AM** |  | **PM** |
| Quarter |  | **1** | **2** |  | **3** | **4** | **5** | **1** | **2** |  | **3** | **4** | **5** | **1** | **2** |  | **3** | **4** | **5** | **1** | **2** |  | **3** | **4** | **5** | **1** | **2** |  | **3** | **4** | **5** |
| PLEN |  | **X 📹** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| WP 1/17 |  |  | **X5** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Q1/17 |  |  |  |  |  | **X** |  |  | **X** |  | **X** |  |  | **X7** |  |  | **X** |  | **X11** |  |  |  |  |  |  |  |  |  |  |  |  |
| Q2/17 |  |  |  |  |  |  |  | **X** | **X** |  |  |  |  | **X7** | **X14** |  | **X13** |  | **X11** |  |  |  |  |  |  |  |  |  |  |  |  |
| Q3/17 |  |  |  |  |  |  |  |  |  |  | **X15** | **X** |  | **X7** | **X16** |  | **X13** | **X** | **X11** |  |  |  |  |  |  |  |  |  |  |  |  |
| WP 2/17 |  |  | **X5** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Q4/17 |  |  |  |  | **X** | **X** |  | **X** | **X** |  | **X** | **X** |  | **X7** | **X14** |  | **X** | **X** | **X11** |  |  |  |  |  |  |  |  |  |  |  |  |
| Q5/17 |  |  |  |  | **X** | **X** |  |  |  |  | **X** | **X** |  | **X7** |  |  |  |  | **X11** |  |  |  |  |  |  |  |  |  |  |  |  |
| WP 3/17 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Q10/17 |  |  |  |  |  |  |  |  |  |  | **X15** | **X** | **X** | **X7** | **X** |  | **X** | **X** | **X11** |  |  |  |  |  |  |  |  |  |  |  |  |
| Q8/17 |  |  |  |  | **X** | **X** |  | **X17** | **X** |  | **X** | **X** |  | **X7** | **X16** |  | **X** | **X** | **X11** |  |  |  |  |  |  |  |  |  |  |  |  |
| Q11/17**18** |  |  |  |  | **X** | **X** |  | **X** | **X** |  | **X** | **X** |  | **X7** | **X** |  | **X** | **X** | **X11** |  |  |  |  |  |  |  |  |  |  |  |  |
| WP 4/17 |  |  | **X5** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Q6/17 |  |  |  |  | **X** | **X** |  | **X** | **X** |  |  |  |  | **X7** | **X** |  |  |  | **X11** |  |  |  |  |  |  |  |  |  |  |  |  |
| Q7/17 |  |  |  |  | **X** | **X** |  | **X17** | **X** |  | **X** | **X** |  | **X7** | **X** |  | **X** | **X** | **X11** |  |  |  |  |  |  |  |  |  |  |  |  |
| Q9/17 |  |  |  |  |  |  |  |  |  |  |  |  |  | **X7** |  |  |  |  | **X11** |  |  |  |  |  |  |  |  |  |  |  |  |
| WP 5/17 |  |  | **X5** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Q11/17**19** |  |  |  |  | **X** | **X** |  | **X** | **X** |  | **X** | **X** |  | **X7** | **X** |  | **X** | **X** | **X11** |  |  |  |  |  |  |  |  |  |  |  |  |
| Q12/17 |  |  |  |  |  |  |  |  |  |  |  |  |  | **X7** |  |  |  |  | **X11** |  |  |  |  |  |  |  |  |  |  |  |  |
| JCA |  |  |  |  |  |  |  |  |  |  |  |  | **COP9** |  |  |  | **IdM8** | **IdM8** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Tutorial |  |  |  | **XT1** |  |  |  |  |  | **XT2** |  |  |  |  |  | **XT3** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Other | **X** MGT6 | **X4** |  |  |  |  | **X**3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | **X** MGT6 |  |  |  |  |  |  |  |

| **2nd week** | **MON 22 April** | **TUE 23 April** | **WED 24 April** | **THU 25 April** | **FRI 26 April** |
| --- | --- | --- | --- | --- | --- |
|  | **AM** |  | **PM** | **AM** |  | **PM** | **AM** |  | **PM** | **AM** |  | **PM** | **AM** |  | **PM** |
| Quarter | **1** | **2** |  | **3** | **4** | **5** | **1** | **2** |  | **3** | **4** | **5** | **1** | **2** |  | **3** | **4** | **5** | **1** | **2** |  | **3** | **4** | **5** | **1** | **2** |  | **3** | **4** | **5** |
| PLEN |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | **X 📹** | **X 📹** |  | **X 📹** | **X 📹** |  |
| WP 1/17 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | **X5**🕿 | **X5**🕿 |  | **X5**🕿 | **X5**🕿 | **X5**🕿 |  |  |  |  |  |  |
| Q1/17 |  |  |  | **X** |  |  |  | **X** |  | **X** |  |  |  |  |  | **X** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Q2/17 |  |  |  | **X12** | **X** |  | **X** | **X** |  | **X** | **X** |  | **X** | **X** |  |  |  | **X** |  |  |  |  |  |  |  |  |  |  |  |  |
| Q3/17 | **X** | **X** |  | **X** | **X** |  | **X** | **X** |  | **X** | **X** |  | **X** | **X** |  | **X** | **X** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| WP 2/17 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | **X5**🕿 | **X5**🕿 |  | **X5**🕿 | **X5**🕿 | **X5**🕿 |  |  |  |  |  |  |
| Q4/17 |  | **X** |  | **X** | **X** |  | **X** | **X** |  | **X** | **X** |  | **X** | **X** |  | **X** | **X** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Q5/17 |  |  |  | **X** | **X** |  | **X** | **X** |  | **X** | **X** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| WP 3/17 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | **X5**🕿 |  | **X5**🕿 | **X5**🕿 | **X5**🕿 |  |  |  |  |  |  |
| Q10/17 | **X** | **X** | **X** | **X12** | **X18** | **X** | **X** | **X** |  | **X** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Q8/17 |  |  |  |  |  |  |  |  |  | **X** | **X** |  | **X** | **X** |  | **X** | **X** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Q11/17**18** | **X** | **X** |  | **X** | **X** |  | **X** | **X** |  | **X** | **X** |  | **X** | **X** |  | **X** | **X** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| WP 4/17 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | **X5**🕿 |  | **X5**🕿 | **X5**🕿 | **X5**🕿 |  |  |  |  |  |  |
| Q6/17 | X | **X** |  | **X** | **X** |  | **X** | **X** |  |  |  |  | **X** | **X** |  | **X** | **X** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Q7/17 | X | **X** |  | **X12** | **X18** |  | **X** | **X** |  | **X** | **X** |  | **X** | **X** |  | **X** | **X** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Q9/17 | X | **X** |  | **X** | **X** |  | **X** | **X** |  | **X** | **X** |  | **X** | **X** |  | **X** | **X** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| WP 5/17 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | **X5**🕿 |  | **X5**🕿 | **X5**🕿 | **X5**🕿 |  |  |  |  |  |  |
| Q11/17**19** | **X** | **X** |  | **X** | **X** |  | **X** | **X** |  | **X** | **X** |  | **X** | **X** |  | **X** | **X** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Q12/17 |  | **X** |  | **X** | **X** |  | **X** | **X** |  | **X** | **X** |  | **X** | **X** |  | **X** | **X** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| JCA |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Tutorial |  |  | **XT4** |  |  |  |  |  | **XT5** |  |  |  |  |  | **XT6** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Other |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

PLEN = Study group 17 plenary sessions; WP = Working party plenary sessions; Tn = Tutorial; Pop = room Popov; 🕿 Teleconference facilities provided for the session; **📹** webcast

X = room to be assigned

QUARTER 1: 09:30 – 10:45; QUARTER 2: 11:15 – 12:30; QUARTER 3: 14:30 – 15:45; QUARTER 4: 16:15 – 17:45; QUARTER 5: 1800 – 19:30

1) This table will be updated as necessary; find updated work plan under “Meeting information” on SG17 web page

2) Tutorial sessions will be scheduled during the SG17 meeting. Details will be provided on the SG17 website

3) SG17 welcome reception and social networking event (sponsors are solicited), WED 17 April 2013, 18:00-20:00, ITU Montbrillant restaurant

4) Welcome of new SG17 participants and tour of ITU premises; WED 17 April 2013, 8:45-9:30, Sabrina Camp/TSB;
 meeting place: reception desk/Montbrillant building.

5) Working party plenary sessions will be run in sequence

6) Open, extended SG17 management meeting

TUE 16 April 2013, 16:00 - 18:00 hours

SAT 20 April 2013, 16:00 - 18:00 hours

7) SG17 internal coordination; FRI 19 April 2013, 1st Quarter;

8) JCA-IdM, 19 April 2013, 14:30 – 16:30; AdobeConnect w. VoIP,
 Q10/17 participants usually attend this meeting

9) JCA-COP, 18 April 2013, 18:00 – 19:30; AdobeConnect w. PSTN audio-bridge dial-in

10) void

11) Special session addressing default approval process for Questions, FRI 19 April 2013, 18:00 – 19:30

12) Joint session Q2/17, Q7/17 and Q10/17 on X.hsn, MON 22 April 2013, 3rd quarter

13) Joint session Q2/17 and Q3/17 on X.mgv6, FRI 19 April 2013, 3rd quarter

14) Joint Session Q2/17 and Q3/17 on X.ipv6-secguide, MON 22 April 2013, 2nd quarter

15) Joint session Q3/17 and Q10/17, THU, 18 April 2013, 3rd quarter

16) Joint session Q3/17 and Q8/17, FRI, 19 April 2013, 2nd quarter

17) Joint session of Q7/17 and Q8/17 on “X.fsspvn”, THU, 18 April 2013, 1st quarter

18) Joint session of Q7/17 and Q10/17 on “X.sap-8, XACML3.0”, MON, 22 April 2013, 4th quarter

19) PKI, Directory parts of Q11/17

20) ASN.1, OID, ODP, OSI parts of Q11/17

T1) Tutorial: “SG17 Orientation session for newcomers & Newcomer’s discussion with SG17 management”, WED 17 April 2013, 12:30 – 13:30; Arkadiy Kremer,
 SG17 Chairman, SG17 Vice chairs

T2) Tutorial: “”, THU 18 April 2013, 13:30 – 14:30

T3) Tutorial: “”, FRI 19 April 2013, 13:30 – 14:30

T4) Tutorial: “”, MON 22 April 2013, 13:30 – 14:30

T5) Tutorial: “”, TUE 23 April 2013, 13:30 – 14:30

T6) Tutorial: “”, WED, 24 April 2013, 13:30 – 14:30

**ANNEX E
(to TSB Collective letter 1/17)**

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

**Working Party 1/17 - Fundamental security**

* Review and approve results from interim activities
* Perform the lead study group (LSG) responsibilities for security, including report to TSAG and updating the LSG information on the SG17 web page
* Consider needs for further action related to ISO/IEC/ITU-T Strategic Advisory Group on Security (SAG-S)
* Consider possible actions resulting from WTSA-12, PP-10, WTDC-10 and GSC-16
1. **Question 1/17 - Telecommunication/ICT security coordination**
* Review results of activities since the September 2012 Study Group 17 meeting
* Act as primary SG17 contact for telecommunication/ICT security coordination matters
* Maintain and update the ICT Security Standards Roadmap
* Maintain and update the ITU-T Security Compendia
* Assist and provide input to TSB in maintaining the Security Manual
* Assist in identification of gaps in telecommunication/ICT security standards work and promote efforts to address those gaps
* Provide guidance on implementation of telecommunication/ICT security standards
* Promote cooperation and collaboration between groups working on telecommunication/ICT security standards development
* Review Recommendations and liaisons from other study groups and SDOs as appropriate to assess security coordination implications
* Assist in efforts to ensure effective security coordination where necessary
* Help direct liaisons from external groups to appropriate study groups in ITU-T
* Take ITU-T lead in organizing and planning security workshops and seminars as appropriate
* Ensure effective and efficient participation in security coordination efforts with other organizations
* Achieve effective and efficient participation in security coordination efforts within SG17 to ensure the SG17 work programme reflects the current SG17 security activities and addresses the concerns of the ITU-T membership
* Progress the definition of a strategy for security standardization (top-down approach)
* Review all ITU-T study group Questions to identify those with security related subjects and establish liaisons
* Consider guidelines for correspondence groups including content of their reports
* Review results from the security coordination team on improving security coordination
* Prepare material to promote ITU-T security work and attract additional participation (brochures, presentation slides, etc.)
* Perform the lead study group (LSG) responsibilities for security, including preparing LSG report to TSAG and updating the LSG web page
* Consider needs for further action related to ISO/IEC/ITU-T Strategic Advisory Group on Security (SAG-S)
* Consider efficient collaboration with other bodies including ISO/IEC JTC 1/SCs, 3GPP, 3GPP2, ATIS, CSA, ETSI, IEEE, IETF, OASIS, ENISA, ICTSB, NISSG, RAISE Forum and other SDOs or consortia groups
* Consider possible actions resulting from WTSA-12, PP-10, WTDC-10 and GSC-16
* Update the action plan
* Provide concise summary of achievements for inclusion in SG17 report to relevant entities
* **Question 2/17 - Security architecture and framework**
* Carry out the responsibilities 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.1032, X.1034, X.1035, X.1036, and Supplements X.Suppl.2, X.Suppl.3, X.Suppl.15, and X.Suppl.16
* Review results of activities since the September 2012 SG17 meeting
* Finalize work and achieve *consent* of draft new Recommendation:
* X.ipv6-secguide, *Technical guideline on deploying IPv6* (in collaboration with Q3/17)
* Progress work on draft new Recommendations:
* X.gsiiso, *Guidelines on security of the individual information service for operators*
* X.hsn, *Heterarchic architecture for secure distributed service networks* (in collaboration with Q7/17 and Q10/17)
* X.vissec, *Security of digital broadcasting and multimedia video information systems (VIS Security)*
* Progress work on draft new Supplement:
* X.mgv6, *Supplement to ITU-T X.ipv6-secguide – Supplement on security management guideline for implementation of IPv6 environment in telecommunications organizations*
* Review report of the Correspondence Group on:
* *Providing confidence and security in the use of telecommunication/ICT within industrial system*
* Develop a comprehensive set of security architecture and framework Recommendations for providing standard security solutions for telecommunications in collaboration with other standards development organizations and ITU‑T study groups.
* Develop Recommendations on a trusted telecommunication network architecture that integrates advanced security technologies
* Consider possible actions resulting from WTSA-12, PP-10, WTDC-10 and GSC-16
* 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, 3GPP2 and FIINA
* Update summaries of draft revised and new Recommendations and draft Supplements
* Update the action plan
* Provide concise summary of achievements for inclusion in SG17 report to relevant entities.
* **Question 3/17 - Telecommunications information security management**
* Carry out responsibilities for Recommendations E.409 (in conjunction with SG2), X.1051, X.1052, X.1054, X.1055, X.1056, and X.1057, and Supplement X.Suppl.13
* Review results of activities since the September 2012 SG17 meeting
* Finalize work and achieve *consent* on draft new Recommendation:
* X.sgsm, *Information security management guidelines for small and medium telecommunication organizations*
* Progress work on draft new Recommendation:
* X.gpim, *Guideline for management of personally identifiable information for telecommunication organizations*
* Progress work on draft new Supplement:
* X.sup1056, *Supplement to ITU-T X.1056 – Related Recommendations, International Standards and documents for security incident management*
* Assist Q2/17 in ongoing work on IPv6 including X.ipv6-secguide, and X.mgv6
* Develop a framework of information security management functions described in Recommendation ITU-T X.1051
* Develop a methodology to construct information security management system (ISMS) for telecommunications organizations based on the existing standards (ISO/IEC and ITU-T).
* Develop a guideline to construct information security management for cloud computing.
* Assess activities in view of usability for telecommunications facilities and services
* Consider efforts in support of TDR/EW
* Consider work in relation with the implementation of WTSA-12 Res. 58
* Consider possible actions resulting from WTSA-12, PP-10, WTDC-10 and GSC-16
* Consider efficient collaboration with other bodies including ISO/IEC JTC 1/SC 27, ETSI, TTC, NIST and CSA
* Update summaries of draft revised and new Recommendations and draft Supplements
* Update the action plan
* Provide concise summary of achievements for inclusion in SG17 report to relevant entities

**Working Party 2/17 - Network and information security**

* Review and approve results from interim activities
* Progress tasks related to implementation of WTSA-12 Resolutions, e.g., Res. 50, 52, 58
* Consider possible actions resulting from WTSA-12, PP-10, WTDC-10 and GSC-16
* **Question 4/17 - Cybersecurity**
* Carry out responsibilities for Recommendations X.1205, X.1206, X.1207, X.1209, X.1303, X.1500, X.1500.1, X.1520, X.1521, X.1524, X.1528, X.1528.1, X.1528.2, X.1528.3, X.1528.4, X.1541, X.1570, X.1580, X.1581, and Supplements X.Suppl.8, X.Suppl.9, and X.Suppl.10
* Review results of activities since the September 2012 SG17 meeting
* Consider results of TAP consultation and any contributions on *determined* draft new Recommendations and achieve *approval*:
* X.1526 (X.oval), *Open vulnerability and assessment language*
* X.1544 (X.capec), *Common attack pattern enumeration and classification*
* Finalize work and achieve *determination* of draft new Recommendations:
* X.csi, *Guidelines for cybersecurity index*
* X.trm, *Overview of traceback mechanisms*
* Finalize work and achieve *agreement* on:
* X.1500 Amd.3, *Overview of cybersecurity information exchange – Amendment 3 – Revised structured cybersecurity information exchange techniques*
* X.abnot, *Supplement to ITU-T X.series - Supplement on guidelines for abnormal traffic detection and control on IP-based networks*
* Progress work on draft new and revised Recommendations:
* X.1303 (revised), *Common alerting protocol (CAP 1.2)* (in collaboration with Q11/17)
* X.bots, *Centralized framework for botnet detection and response*
* X.cce, *Common configuration enumeration*
* X.cee, *Common event expression*
* X.cee.1, *CEE architecture overview*
* X.cee.2, *CEE dictionary and event taxonomy (CDET)*
* X.cee.3, *CEE log syntax (CLS) encoding*
* X.cee.4, *CEE log recommendations (CELR) profile*
* X.cee.5, *CEE log transport (CLT) requirements*
* X.csmc, *Continuous security monitoring using CYBEX techniques*
* X.cwss, *Common weakness scoring system*
* X.cybex-beep, *A BEEP profile for cybersecurity information exchange techniques*
* X.cybex-tp, *Transport protocols supporting cybersecurity information exchange*
* X.eipwa, *Guideline on techniques for preventing web-based attacks*
* X.maec, *Malware attribute enumeration and classification*
* X.sisnego, *Framework of security information sharing negotiation*
* Review reports of the Correspondence Group on:
* *Coordination of the cybersecurity information exchange framework*
* Collaborate with ITU-T study groups, ETSI, FIRST, IETF, IEEE, ISO/IEC JTC 1, OASIS, OMA, TCG, 3GPP, 3GPP2, and other standardization bodies on cybersecurity
* Work on frameworks and Recommendations to address how telecommunication/ICT providers may secure their infrastructure and maintain secure operations, and exchange cybersecurity information
* Produce a set of Recommendations for providing security solutions for telecommunication/ICT accountability and incident response
* Specify the security techniques and capabilities for service providers to coordinate and exchange information regarding vulnerabilities, platforms, cyber attacks, etc.
* Specify how to apply accountability and incident response mechanisms in telecommunication/ICT networks
* Develop guidelines and techniques to protect personal information and also to protect personally identifiable information (PII) using CYBEX techniques
* Provide assistance to other ITU‑T study groups in applying relevant cybersecurity Recommendations for specific security solutions
* Develop best practices and guidelines for the sharing of vulnerability information and updates and patches to aid in vulnerability life-cycle processes
* Consider possible actions resulting from WTSA-12, PP-10, WTDC-10 and GSC-16
* Coordinate with TSB for updating the reference website on cybersecurity organizations pursuant to WTSA-12 Res. 58
* Provide a consolidated, concise summary of achievements regarding WTSA-12 Res. 50
* Update summaries of draft revised and new Recommendations and draft Supplements
* Update the action plan
* Provide concise summary of achievements for inclusion in SG17 report to relevant entities.
* **Question 5/17 - Countering spam by technical means**
* Carry out responsibilities for Recommendations X.1231, X.1240, X.1241, X.1242, X.1243, X.1244, and X.1245, and Supplements X.Suppl.6, X.Suppl.11, X.Suppl.12, and X.Suppl.14
* Review results of activities since the September 2012 SG17 meeting
* Progress work on draft new Recommendation:
* X.ticvs, *Technologies involved in countering voice spam in telecommunication organizations*
* Act as the lead group in ITU-T on technical means for countering spam, as spam is described by Study Group 2
* Identify and examine the telecommunication network security risks (at the edges and in the core network) introduced by the constantly changing nature of spam.
* Develop a comprehensive and up-to-date resource list of existing technical measures for countering spam in a telecommunication network that are in use or under development
* Determine whether new Recommendations or enhancement to existing Recommendations, including methods to combat delivery of unsolicited email, malware, and other malicious contents, and combat compromised network equipment, such as Botnets, would benefit efforts to effectively counter spam as it relates to the stability and robustness of the telecommunication network
* Provide regular updates to TSAG and to the TSB Director for use in in reports to Council.
* Review related work in ITU-D Q.22/1
* Consider possible actions resulting from WTSA-12, PP-10, WTDC-10 and GSC-16
* Consider efficient collaboration with other bodies including ETSI, IETF, ISO/IEC JTC 1, OMA, 3GPP, 3GPP2, OECD,MAAWG, FIRST and NIST
* Update summaries of draft revised and new Recommendations and draft Supplements
* Update the action plan
* Provide concise summary of achievements for inclusion in SG17 report to relevant entities.

**Working Party 3 - Identity management and cloud computing security**

* Review and approve results from interim activities
* Progress tasks related to implementation of WTSA-12 Resolutions, e.g., Res. 76
* Consider possible actions resulting from WTSA-12, PP-10, WTDC-10 and GSC-16
* Perform the lead study group (LSG) responsibility for identity management, including report to TSAG and updating the LSG web page
* **Question 10/17 - Identity management architecture and mechanisms**
* Carry out responsibilities for Recommendations X.1250, X.1251, X.1252, X.1253, X.1254, and X.1275, and Supplement X.Suppl.7
* Review results of activities since the September 2012 SG17 meeting
* Finalize work and achieve *determination* of draft new Recommendations:
* X.discovery, *Discovery of identity management information*
* X.giim, *Mechanisms to support interoperability across different IdM services*
* X.mob-id, *Baseline capabilities and mechanisms of identity management for mobile applications and environment*
* Progress work on draft new Recommendations:
* X.atag, *Attribute aggregation framework*
* X.authi, *Guideline to implement the authentication integration of the network layer and the service layer*
* X.iamt, *Identity and access management taxonomy*
* X.idmcc, *Requirement of IdM in cloud computing* (in collaboration with Q8/17)
* X.oitf, *Open identity trust framework*
* X.scim-use, *Application of system for cross identity management (SCIM) in telecommunication environments* (in collaboration with Q8/13)
* Review reports of the correspondence groups on:
* *Discovery of Identity Management Information*
* *Mobile IdM framework*
* Assist Q2/17 in ongoing work of X.hsn, assist Q3/17 in ongoing work on X.gpim, assist Q7/17 in ongoing work on X.1141/Amd.1, X.1142/Amd.1, X.1154 (X.sap-4), X.sap-8 and X.xacml3, and assist Q11/17 in ongoing work on F.5xx, X.pki-em and X.pki.prof
* Address any coordination issues from JCA-IdM and identify any issues to report to the JCA-IdM
* Specify an IdM framework that supports discovery, policy and trust model, authentication and authorization, assertions, and credential lifecycle management required for IdM
* Define functional IdM architectural concepts to include IdM bridging between networks and among IdM systems taking into account advanced security technologies
* Specify requirements (and propose mechanisms) for identity assurance, and mapping/interworking between different identity assurance methods that might be adopted in various networks. In this context, identity assurance includes identity patterns and reputation
* Define interfaces for interoperability of IdM systems
* Define requirements (and propose mechanisms) for protection and disclosure of identity information
* Define requirements (and propose mechanisms) to protect IdM systems including how to use IdM capabilities as a means for service providers to coordinate and exchange information regarding cyber attacks
* Maintain and coordinate IdM terminology and definitions living list and to continue the on-going work
* Define IdM security risks and threats
* Define the concept of “world ready” IdM framework
* Define the concept of “developer ready” that is simple developer IdM framework to promote a more viral adoption
* Consider possible actions resulting from WTSA-12, PP-10, WTDC-10 and GSC-16
* Consider efficient collaboration with other bodies including ISO/IEC JTC 1/SCs 6, 27 and 37, IETF, ATIS, ETSI, OASIS, 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 and with Kantara Initiative
* Consider reactivating the development of a manual on identity management
* Perform the lead study group (LSG) responsibility for identity management, including report to TSAG and updating the LSG web page
* Update summaries of draft new Recommendations
* Update the action plan
* Provide concise summary of achievements for inclusion in SG17 report to relevant entities.
* **Question 8/17 - Cloud computing security**
* Review results of activities since the September 2012 SG17 meeting
* Finalize work and achieve *determination* on draft new Recommendation:
* X.ccsec, *High-level security framework for cloud computing*
* Progress work on draft new Recommendations:
* X.fsspvn, *Framework for a secure service platform for virtual network* (in collaboration with Q7/17)
* X.goscc, *Guidelines of operational security for cloud computing*
* X.sfcse, *Security functional requirements for Software as a Service (SaaS) application environment*
* Assist Q10/17 in ongoing work on X.idmcc
* Consider results and take actions resulting from JCA-Cloud and joint meetings with Q8/13 and the Working Party of SG13 for Q17/13, Q18/13, and Q19/13
* Develop Recommendations to identify security requirements and threats to secure cloud computing services based on the general requirements of cloud computing specified by ITU‑T Study Group 13
* Develop Recommendations to define security architecture and to organize security functions based on the reference architecture specified by ITU‑T Study Group 13
* Develop Recommendations or other type of documents to advance cloud computing security
* Develop Recommendations to define a strong, flexible and elastic security management architecture and implementation for cloud computing systems
* Develop Recommendations to identify assurance mechanisms, audit technologies, risk assessment with the objective of achieving trustworthy relationships within the cloud computing ecosystem
* Take charge of all the activities on cloud computing security in Study Group 17
* Represent the work of Study Group 17 related to cloud computing security in the Joint Coordination Activity on cloud computing (JCA-Cloud).
* Consider possible actions resulting from WTSA-12, PP-10, WTDC-10 and GSC-16
* 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, IETF, OASIS , 3GPP, 3GPP2, OMA, ETSI, TM Forum
* Update summaries of draft new Recommendations
* Update the action plan
* Provide concise summary of achievements for inclusion in SG17 report to relevant entities.
* **Question 11/17 - Generic technologies to support secure applications**
* Carry out responsibilities for Recommendations E.115 (in conjunction with SG2), X.500, X.501, X.509, X.511, X.518, X.519, X.520, X.521, X.525, X.530, and e-X.Imp 500
* Carry out maintenance responsibilities for E.104 (in conjunction with SG2), F.500, F.510, and F.515
* Review results of activities since the September 2012 Study Group 17 meeting
* Consider possible actions resulting from WTSA-12, PP-10, WTDC-10 and GSC-16
* Update summaries of draft revised and new Recommendations
* Update the action plan
* Provide concise summary of achievements for inclusion in SG17 report to relevant entities

**Directory services, Directory systems, and public-key/attribute certificates**

* Collaborative meeting with ISO/IEC JTC 1/SC 6/WG 8 (Directory)
* Consider action regarding X.530, *Information technology – Open Systems Interconnection –The Directory – Use of systems management for administration of the Directory*
* Progress work on draft new Recommendations:
* F.5xx, *Directory Service – Support of Tag-based Identification Services* (in collaboration with Q10/17)
* X.pki-em, *Information Technology - Public-Key Infrastructure: Establishment and maintenance* (in collaboration with Q10/17)
* X.pki-prof, *Information Technology - Public-Key Infrastructure: Profile* (in collaboration with Q10/17)
* Assist Q9/17 in ongoing work on X.bhsm
* Identify new directory requirements in support of new and current technologies
* Develop the eighth edition of the X.500-series of Recommendations
* Develop new editions of E.115 to cope with future directory assistance service requirements
* Consider any received defect reports and progress any necessary technical corrigenda, including updates to the web-based Directory Implementers’ Guide
* Consider efficient collaboration with other bodies including ISO/IEC JTC 1/SCs 6 and 27, IETF, and OASIS

**Working Party 4 - Application security**

* Review and approve results from interim activities
* Consider possible actions resulting from WTSA-12, PP-10, WTDC-10 and GSC-16
* Consider needs for further action related to ISO/IEC/ITU-T Strategic Advisory Group on Security (SAG-S)
* **Question 6/17 - Security aspects of ubiquitous telecommunication services**
* Carry out responsibilities for Recommendations X.1101, X.1111, X.1112, X.1113, X.1114, X.1121, X.1122, X.1123, X.1124, X.1125, X.1171, X.1191, X.1192, X.1193, X.1194, X.1195, X.1196, X.1197, X.1311, X.1312, and X.1313
* Review results of activities since the September 2012 SG17 meeting
* Consider results of TAP consultation and any contributions on *determined* draft new Recommendation and achieve *approval*:
* X.1126 (X.msec-6), *Security aspects of smartphones*
* Finalize work and achieve *consent* on draft new Recommendation:
* X.iptvsec-8, *Virtual machine-based security platform for renewable IPTV service and content protection (SCP)*
* Progress work on draft new Recommendations:

- X.msec-7, *Guidelines on the management of infected terminals in mobile networks*

- X.msec-8, *Secure application distribution framework for communication devices*

- X.sgsec-1, *Security functional architecture for smart grid services using telecommunication network*

- X.unsec-1, *Security requirements and framework of ubiquitous networking*

* Consider possible actions resulting from WTSA-12, PP-10, WTDC-10 and GSC-16
* In collaboration with other ITU-T study groups and standards development organizations, especially with IETF, ISO/IEC JTC 1/SCs 6, 25, 27 and 31, produce a set of Recommendations for providing comprehensive security solutions for secure ubiquitous telecommunication services
* Review existing Recommendations/Standards of ITU-T, ISO/IEC and other standardization bodies in the area of home network, smart grid, mobile network (including smartphone security), mobile IoT service and ubiquitous sensor network to identify security aspects needing standardization.
* Define security aspects of ubiquitous telecommunication services for a multi-vendor international ubiquitous environment, and for emerging new services
* Identify security issues and threats in secure ubiquitous telecommunication services
* Develop security mechanisms for secure ubiquitous telecommunication services
* Develop interconnectivity mechanisms for secure ubiquitous telecommunication services in a single or multi-vendor ubiquitous environment
* Consider including IPTV security Recommendations in future IPTV interop events.
* Address any coordination issues from JCA-IPTV, JCA-SG&HN and JCA-IoT and identify any issues to report to these JCAs
* Consider possible actions resulting from WTSA-12, PP-10, WTDC-10 and GSC-16
* Consider efficient collaboration with other bodies including ISO/IEC JTC 1/SCs 6, 25, 27 and 31, IEC SMB WG3 and TC 57, IETF, 3GPP, 3GPP2, OMA, GSMA, ETSI, ATIS, TTC, TTA, CCSA, OIPF, DVB, NFC Forum and NIST
* Update summaries of draft revised and new Recommendations
* Update the action plan
* Provide concise summary of achievements for inclusion in SG17 report to relevant entities.
* **Question 7/17 - Secure application services**
* Carry out responsibilities for Recommendations X.1141, X.1142, X.1143, X.1151, X.1152, X.1153, X.1161, X.1162, and X.1164, and Supplement X.Suppl.17
* Review results of activities since the September 2012 SG17 meeting
* Consider results of TAP consultation and any contributions on *determined* draft new Recommendation and achieve *approval*:
* X.1154 (X.sap-4), *General framework of combined authentication on multiple identity service provider environments* (in collaboration with Q10/17)
* Finalize work and achieve *consent* on draft new Recommendations:
* X.sap-6, *Non-repudiation framework based on a one time password*
* X.xacml3, *eXtensible Access Control Markup Language (XACML) 3.0* (in collaboration with Q10/17)
* Finalize work and achieve *consent* on draft Amendments to Recommendations:
* X.1141 Amd.1, *Security Assertion Markup Language (SAML) 2.0 – Amendment 1: Errata* (in collaboration with Q10/17)
* X.1142 Amd.1, *eXtensible Access Control Markup Language (XACML 2.0) – Amendment 1: Errata* (in collaboration with Q10/17)
* Progress work on draft new Recommendations:

- X.p2p-3, *Security requirements and mechanisms of peer-to-peer based telecommunication network*

- X.sap-5, *Guideline on local linkable anonymous authentication for electronic services*

- X.sap-7, *Technical capabilities of fraud detection and response for services with high assurance level requirements*

- X.sap-8, *Efficient multi-factor authentication mechanisms using mobile devices* (in collaboration with Q10/17)

- X.sap-9, *Delegated non-repudiation architecture based on ITU-T X.813*

- X.websec*-5, Security architecture and operations for web mashup services*

* Review reports of the Correspondence Group on:
* *XACML (eXtensible Access Control Markup Language) activities*
* Assist Q8/17 in ongoing work on X.fsspvn and Q2/17 on X.hsn
* In collaboration with other ITU-T Study Groups and Standards Development Organizations, especially with ISO/IEC JTC 1/SC 27, produce a comprehensive set of Recommendations for providing comprehensive security solutions for application communication services
* Review existing Recommendations/Standards of ITU-T and ISO/IEC in the area of secure application services
* Define security aspects of secure application services and for emerging new services.
* Identify security issues and threats in secure application services.
* Develop security mechanisms for secure application services
* Consider possible actions resulting from WTSA-12, PP-10, WTDC-10 and GSC-16
* Consider efficient collaboration with other bodies including ISO/IEC JTC 1/SC 27 and 38, IETF, OASIS, Kantara Initiative, ATIS, ETSI, W3C, OMA, IMPACT, ENISA, GCA, GSMA and COE
* Update summaries of draft revised and new Recommendations
* Update the action plan
* Provide concise summary of achievements for inclusion in SG17 report to relevant entities.
* **Question 9/17 - Telebiometrics**
* Carry out responsibilities for Recommendations X.1080.1, X.1081, X.1082, X.1083, X.1084, X.1086, X.1088, X.1089, X.1090, and X.1091
* Review results of activities since the September 2012 SG17 meeting
* Finalize work and achieve *consent* of draft new Recommendations:
* X.tif, *Integrated framework for telebiometric data protection in e-health and worldwide telemedicines*
* Progress work on draft new Recommendations:
* X.bhsm, *Telebiometric authentication framework using biometric hardware security module* (in collaboration with Q11/17)
* X.tam, *A guideline to technical and operational countermeasures for telebiometric applications using mobile devices*
* 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*
* Enhance and revise current Recommendations of telebiometric authentication and populate the telebiometric database
* Review the similarities and differences among the existing telebiometrics Recommendations in ITU‑T and standards in ISO/IEC
* Develop security requirements and guidelines for any application of telebiometrics using architectures and frameworks including the ones developed under Q2/17
* Develop requirements for evaluating security, conformance and interoperability with privacy protection techniques for any application of telebiometrics
* Develop requirements for telebiometric applications in a high functionality network
* Develop integrated frameworks and requirements of telebiometric architectures for cloud computing services
* Develop requirements of telebiometric authentication for trust identity framework
* Develop requirements for appropriate generic protocols providing safety, security, privacy protection, and consent “for manipulating biometric data” in any application of telebiometrics, e.g., e-health, tele-medicine, e-commerce, online-banking, video surveillance
* Consider possible actions resulting from WTSA-12, PP-10, WTDC-10 and GSC-16
* 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, IEEE, BIPM, WHO and ILO
* Review the collaboration status with ISO/IEC JTC 1/SC 27 (for security evaluation and testing of biometric technology), with ISO/IEC JTC 1/SC 37 (for biometrics standards), with ISO TC 12 (for physiological quantities and their units) and with IEC TC 25 for physiological quantities and their units
* Update summaries of draft revised and new Recommendations
* Update the action plan
* Provide concise summary of achievements for inclusion in SG17 report to relevant entities.

**Working Party 5 - Formal languages**

* Review and approve results from interim activities
* Progress tasks related to implementation of WTSA-12 Resolutions, e.g., Res. 76
* Consider possible actions resulting from WTSA-12, PP-10, WTDC-10 and GSC-16
* Perform lead study group (LSG) responsibility for languages and description techniques, including report to TSAG and updating the LSG web page
* **Question 11/17 - Generic technologies to support secure applications**
* Carry out responsibilities for Recommendations X.660, X.662, X.665, X.666, X.667, X.668, X.669, X.670, X.671, X.672, X.674, X.680, X.681, X.682, X.683, X.690, X.691, X.692, X.693, X.694, and X.695
* Carry out maintenance responsibilities for 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.217*bis*, X.218, X.219, X.220, X.222, X.223, X.224, X.225, X.226, X.227, X.227*bis*, X.228, X.229, X.233, X.234, X.235, X.236, X.237, X.237*bis*, 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, X.891, X.892, X.893, X.901, X.902, X.903, X.904, X.906, X.910, X.911, X.920, X.930, X.931, X.950, X.952 and X.960
* Review results of activities since the September 2012 Study Group 17 meeting
* Consider possible actions resulting from WTSA-12, PP-10, WTDC-10 and GSC-16
* Update summaries of draft revised and new Recommendations
* Update the action plan
* Provide concise summary of achievements for inclusion in SG17 report to relevant entities

**Abstract Syntax Notation One (ASN.1), Object Identifiers (OIDs) and associated registration**

* Collaborative meeting with ISO/IEC JTC 1/SC 6/WG 9 on ASN.1, OIDs, and registration authorities
* Assist Q4/17 in ongoing work on X.1303
* Provide input to Q12/17 regarding the LSG report to TSAG on languages and description techniques and update of the LSG web page
* Collaborate with ITU-T SG2 in the development on any innovative use of object identifiers.
* Provide updated Recommendations for X.660-, X.670-, X.680- X.690- and X.890-series throughout the study period in response to user needs, producing new editions when appropriate
* When there is a need to improve data transfer, assist other Questions in all study groups in the provision of ASN.1 modules equivalent to XML schemas defined in ITU‑T Recommendations (existing or under development), particularly in low bandwidth situations
* Develop any additional tutorials or web pages that are likely to assist users of ASN.1 or OIDs.
* Obtain agreement in ISO/IEC JTC 1/SC 6 and SG17 on any additional OID allocations that are considered necessary
* Under the responsibility of the OID Project Leader:

 Provide general advice to users of OIDs;

 Promote the use of ASN.1 and international OIDs within other study groups and external standards development organizations (SDOs);

 Help countries with the establishment and maintenance of national registration authorities for OIDs (including international OIDs).

* Review and update as necessary the information on SG17 web page concerning OID Project, ASN.1 Module Database, and Object Identifiers (OIDs) and Registration Authorities, including the ITU web page on emerging trends
* Consider efficient collaboration with other bodies including ISO/IEC SCs that use ASN.1 or OIDs, OMG, IETF, W3C and OASIS

**Open Systems Interconnection (OSI) maintenance**

* Develop corrections or enhancements to OSI Recommendations, as needed, based on received contributions and to resolve any reported defects
* Maintain the OSI Implementers’ Guide

**Open Distributed Processing maintenance**

* Progress work in collaboration with ISO/IEC JTC 1/SC 7/WG 19 on revision of Recommendations:
* X.906, *Open distributed processing – Use of UML for ODP system specification*
* X.911, *Open distributed processing – Reference model – Enterprise language*
* Develop corrections or enhancements to ODP Recommendations, as needed, based on received contributions and to resolve any reported defects
* 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
* **Question 12/17 - Formal languages for telecommunication software and testing**
* Carry out responsibilities for Recommendations X.290, X.291, X.292, X.293, X.294, X.295, X.296, Z.100, Z.101, Z.102, Z.103, Z.104, Z.105, Z.106, Z.107, Z.109, Z.110, Z.111, Z.119, Z.120, Z.121, Z.150, Z.151, Z.200, Z.400, Z.450, Z.500, Z.600, Z.601, Supplements X.Suppl.4, X.Suppl.5, Z.Suppl.1, and Z.Imp100
* Review results of activities since the September 2012 Study Group 17 meeting
* Produce report to TSAG as the LSG on languages and description techniques and update the LSG web page (with the assistance of Question 11/17)
* Consider possible actions resulting from WTSA-12, WTDC-10, PP-10 and GSC-16
* Consider efficient collaboration with other bodies including ISO/IEC JTC 1, 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 SG17 report to relevant entities

**Formal languages for telecommunication software**

* Maintain the ITU system design languages under this Question by providing updated Recommendations and other documents throughout the study period in response to user needs, producing new editions when appropriate with direction of the effort towards relative stability of the languages but with improved usability
* Identify and if needed adopt other relevant requirements, specification, implementation and testing languages as ITU-T Recommendations taking into account Z.110, and review the Recommendations under study to determine if any of them are no longer needed and can be deleted.

***Specification and Description Language (SDL)***

* Finalize work and achieve *consent* on revision of:
* Z.100 Annex F1 (revised), *SDL formal definition: General overview*
* Progress work on revision of Z.100 Annexes F2 and F3
* Resolve reports of errors and maintain a master list of corrections of the SDL Recommendations as an Implementers’ Guide.

***Message Sequence Chart (MSC)***

* Resolve reports of errors and maintain a master list of corrections of the MSC Recommendations as an Implementers’ Guide.

***User Requirements Notation (URN)***

* Consider splitting Z.151 into three documents: GRL, ICM and URN.
* Resolve reports of errors and maintain a master list of corrections of the URN Recommendations as an Implementers’ Guide.

**Methodologies for using formal system design languages**

* Finalize work and achieve approval on revision of:
* Z.100 Supplement 1, *Supplement 1 to Z-series Recommendations – ITU-T Z.100-series – Supplement on methodology on the use of description techniques*
* Consider the need for new methodologies and frameworks or updates to Z.110, Z.400, Z.450, Z.600, Z.601 and Z.Suppl.1 that are adapted to further contemporary user requirements and emerging new architectures and frameworks to ensure the creation of good quality Recommendations and systems
* Consider what tutorial activity, databases or other efforts are needed to support and promote the use of formal languages in a variety of environments, especially ITU-T study groups

**Testing languages, methodologies and framework**

* Extend existing conformance testing methodology and framework for use with NGN and commercial off-the-shelf (COTS) software components, including conformance of components selected for “carrier grade” open environment (CGOE)
* Develop interoperability testing methodology and framework for general use giving consideration to next generation network (NGN) testing and off-the-shelf software components testing
* Coordinate conformance and interoperability testing activity with all other study groups, and in particular with Study Groups 2, 9, 11, 13, 15 and 16. These study groups develop test specifications for a large number of Recommendations. Other study groups are also likely to develop test specifications based on the methodology produced under this Question
* Assist Recommendation developers in all study groups in applying conformance and interoperability testing methodology to their specific needs
* Develop and present tutorial material on conformance and interoperability testing methodology and framework as it evolves
* Progress work on testing languages and conformance testing based on formal models
* Consider how testing methodology can be extended to help in measuring the contribution to climate change caused by implementations of ITU‑T Recommendations.
* Provide guidance to SG17 Questions on the applicability of conformance and interoperability considerations to the types of security Recommendations they are responsible for.
* Address any coordination issues from JCA-CIT and identify any issues to report to JCA-CIT
* Consider relationship with ISO/CASCO
* Consider actions related to the implementation of WTSA-12 Res. 76 and provide a consolidated, concise summary of achievements regarding WTSA-12 Res. 76.

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