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| **Telecommunication Standardization Bureau** | | ITU logo |
|  | | Geneva, 9 October 2014 |
| Ref: | **TSB Circular 124**  TSB Workshops/TK | - To Administrations of Member States of the Union;  - To ITU-T Sector Members;  - To ITU-T Associates;  - To ITU-T Academia |
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| Tel: | +41 22 730 5126 |
| Fax: | +41 22 730 5853 |
| E-mail: | [tsbworkshops@itu.int](mailto:tsbworkshops@itu.int) | **Copy to:**  - To the Chairmen and Vice-Chairmen of ITU-T Study Groups;  - To the Director of the Telecommunication Development Bureau;  - To the Director of the Radiocommunication Bureau |
| Subject: | **ITU Workshop on “Cloud Computing Standards – Today and the Future” (Geneva, Switzerland, 14 November 2014)** | |

Dear Sir/Madam,

1 I would like to invite you to the **ITU** **workshop on “Cloud Computing Standards – Today and the Future”** that is organized by ITU-T SG13at ITU headquarters, Geneva, Switzerland on 14 November 2014. This workshop will be held during a set of co-located rapporteur group meetings of SG13.

The workshop will open at 0930 hours. Participants’ registration will begin at 0830 hours at the Montbrillant entrance. Detailed information concerning the meeting room will be displayed on screens at the entrances to ITU headquarters.

2 Discussions will be held in English only. The workshop will be supported with remote participation tools. Please refer to the workshops webpage <http://www.itu.int/en/ITU-T/Workshops-and-Seminars/cc/Pages/default.aspx> for details.

3 Participation is open to ITU Member States, Sector Members, Associates and Academic Institutions and to any individual from a country which is a member of ITU who wishes to contribute to the work. This includes individuals who are also members of international, regional and national organizations. The workshop is free of charge and no fellowship will be granted.

4 Since the beginning of ITU-T cloud computing activities back in 2010, several ITU-T Recommendations have been developed by ITU-T Study Group 13, two of which were developed in collaboration with ISO/IEC JTC1/SC38. This workshop will present the main ITU-T achievements in the domain of cloud computing in service requirements, vocabulary, reference architecture, inter-cloud, management and security. The workshop is organized in cooperation with other SDOs. This event will bring together telecom operators, regulators, service providers and vendors as well as a broad audience within the Telecom/ICT and cloud computing industry.

5 A draft programme including information relating to the workshop is available on the ITU-T website at the following address <http://www.itu.int/en/ITU-T/Workshops-and-Seminars/cc/Pages/default.aspx> as well as in **Annex 1** of this invitation.

6 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. Detailed information is available on the ITU-T website (<http://www.itu.int/ITU-T/edh/faqs-support.html>).

7 For your convenience, a hotel confirmation form is enclosed as **Annex 2** (see [http://www.itu.int/travel/](http://www.itu.int/travel) for the list of hotels).

8 To enable TSB to make the necessary arrangements concerning the organization of the workshop, I should be grateful if you would register via the on-line form at: <http://www.itu.int/en/ITU-T/Workshops-and-Seminars/cc/Pages/default.aspx>, as soon as possible, and **not later than 30 October 2014.****Please note that pre-registration of participants to workshops is carried out exclusively *online*.**

9 I would 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 workshop** 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 by **ITU Member States, Sector Members, Associates or Academic Institutions**, and at the official request made by them to TSB, the Union can 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 should be made by official letter from the administration or entity you represent. This letter 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 workshop 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”**. **Please also note that ITU can assist only representatives of ITU Member States, ITU Sector Members, ITU Associates and ITU Academic Institutions.**

Yours faithfully,

Malcolm Johnson  
Director of the Telecommunication  
Standardization Bureau

**Annexes: 2**

ANNEX 1  
(to TSB Circular 124)

**ITU Workshop on “Cloud Computing Standards - Today and the Future”**

**14 November 2014**

Draft Programme

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| |  |  | | --- | --- | | **Friday, 14 November 2014** | | | **08:30 - 09:30** | **Registration** | | **09:30 - 10:00** | **Opening Ceremony**   * + Opening and welcome remarks by Malcolm Johnson, TSB Director   + ITU-T Cloud Computing standardisation activities by Chaesub Lee, Chairman of ITU-T SG13   + Workshop objective and introduction of the programme by WS chairman | | **10:00 - 11:00** | **Session 1 :** Cloud computing standardisation strategy and initiatives  Several countries and regions have announced dedicated initiatives to faster adoption of cloud computing across all economy sectors. Session 1 will be an opportunity to present cloud computing initiative for governance and standards from EC, NIST as well as from Arab Regulators.  **Moderator:** Jamil Chawki, Orange,France,Vice-chairmanof ITU-T SG13 | | **11:00 - 11:30** | **Coffee break** | | **11:30 - 12:30** | **Session 2 :** Cloud Computing Foundation and Requirements  Session 2 will provide overview of cloud computing from standardization point of view along with core terms and definitions related to cloud computing. Furthermore this session will describe the cloud computing framework by identifying high-level requirements and concepts for cloud computing infrastructure. Additionally, the functional requirements of DaaS (Desktop as a Service), IaaS (Infrastructure as a Service) and NaaS (Network as a Service) will be introduced.  **Moderator:** Kangchan Lee, ETRI,Republic of Korea,Rapporteur of ITU-T Q17/13 | | **12:30 - 14:00** | **Lunch** | | **14:00 - 15:30** | **Session 3:** Architecture, Management and Inter-cloud  Session 3 aims to highlight the main achievement in technologies and standards related to Cloud computing. Cloud reference architecture, management framework and inter-cloud framework, virtual format and management Interface will be introduced in this session. Additional experiences and success stories related to implementation of these new technologies and standards will also be presented.  **Moderator:** Dong Wang, ZTE, China, Rapporteur of ITU-T Q18/13 | | **15:30 - 16:00** | **Coffee break** | | **16:00 - 17:00** | **Session 4:** Security and data protection  Security, data protection and privacy are major aspects for businesses considering moving to a cloud computing environment. Session 4 will discuss various aspects of cloud computing security, including the essential ITU and ISO/IEC standards, and the certification approaches that can assist customers and operators in choosing cloud services and technologies that they can trust.  **Moderator:** Mark Jeffrey, Microsoft, USA,Rapporteur of ITU-T Q19/13 | |
| |  |  | | --- | --- | | **17:00 - 17:30** | **Panel session:** Summary and next steps   * Q & A for sessions moderators | |

ANNEX 2  
(to TSB Circular 124)

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

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|  | **INTERNATIONAL TELECOMMUNICATION UNION** |  |

**TELECOMMUNICATION STANDARDIZATION SECTOR**

**Workshop on “Cloud Computing Standards – Today and the Future”** on **14 November 2014** 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.

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First name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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

No.: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ valid until:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Signature: