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| **PLENARY MEETING** | | **Document 92-E** | |
|  | | **2 November 2016** | |
|  | | **Original: English** | |
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| **Chairman of COMMITTEE 4** | | | |
| FINAL REPORT OF COMMITTEE 4  "WORK PROGRAMME AND ORGANIZATION OF ITU-T" | | | |
|  | | | |
| **Chairman:** Mr Kwame BAAH-ACHEAMFUOR (Ghana) | | | |

# 1 Introduction

1.1 The terms of reference for Committee 4 (Work programme and organization of ITU-T) are contained in DT/4.

1.2 Committee 4 was chaired by Mr Kwame Baah-Acheamfuor (Ghana) with the support of the vice-chairmen of the Committee, Messrs Rodolfo De la Rosa Rábago (Mexico), José Cabrera (Spain), Hyoung Jun Kim (Korea, Rep. of) and Ms Umida R. Musayeva (Uzbekistan). Committee 4 had two working groups: Working Group 4A chaired by Mr Fabio Bigi (Italy) with the support of the vice-chairman of WG4A Mr Kaoru Kenyoshi (Japan), and Working Group 4B chaired by Mr Jeferson Nacif (Brazil). The Chairman was directly assisted by Mr Simão Campos-Neto, Ms Cristina Bueti and Mr Stefano Polidori from the TSB.

1.3 The committee held seven sessions, and the respective reports can be found in Documents [65](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-WTSA.16-C-0065), [70](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-WTSA.16-C-0070), [73](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-WTSA.16-C-0073), [83](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-WTSA.16-C-0083), [90](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-WTSA.16-C-0090) and [91](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-WTSA.16-C-0091). The reports of meetings 1 and 2 (65, 70) were agreed by WTSA Plenary, and the report of meetings 3 to 5 (73, 83) were agreed by Committee 4 but not yet reviewed by the plenary. The combined report of meeting 6 and 7 in doc 91 is submitted directly to the plenary, for its approval.

1.4 The meetings took into account the document allocation to Committee 4 given in in [DT/1](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-WTSA.16-161025-TD-GEN-0001) and the topics listed in [DT/8](http://www.itu.int/md/T13-WTSA.16-161025-TD-GEN-0008/en) and its Revision 1, plus daily updates listed in the agendas in the ADM series.

# 2 Study group structure

## 2.1 General

**2.1.1** The discussions on the study group structure and mandates and allocation of Questions were based on the numerous member proposals received and allocated to Committee 4.

**2.1.2** The agreements regarding the study group structure, titles, numbering, mandate and allocation of Questions are listed in 2.3 below. The number of 11 study groups remains.

**2.1.3** The title, mandate, lead study group roles and points of guidance for Resolution 2 were agreed by COM4 as found in [118](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-WTSA.16-C-0118) (white series from COM5).

**2.1.4** Concerning Annex C of Resolution 2, it was also agreed to **task TSB** with **updating Annex C** of Resolution 2, as done in previously assemblies.

## 2.2 Individual study group's titles, mandates, Questions, etc.

**2.2.1** The text of the Questions and their allocation found in Docs [2](https://www.itu.int/md/dologin_md.asp?id=T13-WTSA.16-C-0002!!MSW-E), [4](https://www.itu.int/md/dologin_md.asp?id=T13-WTSA.16-C-0004!!MSW-E), [6](https://www.itu.int/md/dologin_md.asp?id=T13-WTSA.16-C-0006!!MSW-E), [8](https://www.itu.int/md/dologin_md.asp?id=T13-WTSA.16-C-0008!!MSW-E), [10](https://www.itu.int/md/dologin_md.asp?id=T13-WTSA.16-C-0010!!MSW-E), [12](https://www.itu.int/md/dologin_md.asp?id=T13-WTSA.16-C-0012!!MSW-E), [14](https://www.itu.int/md/dologin_md.asp?id=T13-WTSA.16-C-0014!!MSW-E), [16](https://www.itu.int/md/dologin_md.asp?id=T13-WTSA.16-C-0016!!MSW-E), [18](https://www.itu.int/md/dologin_md.asp?id=T13-WTSA.16-C-0018!!MSW-E), [20](https://www.itu.int/md/dologin_md.asp?id=T13-WTSA.16-C-0020!!MSW-E), [22](https://www.itu.int/md/dologin_md.asp?id=T13-WTSA.16-C-0022!!MSW-E) were agreed by COM4 as submitted by the various Study Groups, with the following adjustments.

**2.2.2** The text of Question I/11 is **amended** as found in Doc. [88](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-WTSA.16-C-0088)

**2.2.3** Question D/2 (ex Q4/2) is **transferred** to SG16 as a separate Question.

**2.2.4** Question I/9 (ex Q9/9) is **transferred** to SG15.

**2.2.5** Questions B/9 (ex Q2/9) and L/9 (ex Q12/9) are **transferred** to SG12.

**2.2.6** After the discussions of the ad hoc group on SG20 matters, **no further changes** were identified to the text of SG20 Questions in Doc [22](https://www.itu.int/md/dologin_md.asp?id=T13-WTSA.16-C-0022!!MSW-E), thanks to the agreements reached for changes in the SG20 mandate in Resolution 2 itself.

### 2.2.7 Proposed new Questions

*a)* Bangladesh is **invited to submit** **to SG3** its proposed new Question "*Policy and regulatory aspects of Quality of Service (QoS) and Quality Of Experience (QoE)*" found in BGD/[52](http://www.itu.int/md/T13-WTSA.16-C-0052/en) at its first meeting in the new study period.

*b)* The matter of the proposed two new Questions proposed in Doc [43 Add. 32](https://www.itu.int/md/dologin_md.asp?id=T13-WTSA.16-C-0043!A32!MSW-E) (Q2/20 and Q3/20) could not be dealt with in COM4 and is deferred to the Plenary. The chairman proposal here is, applying customary practice in previous WTSAs, to defer the matter to the concerned study group (and consistent with the handling of the proposal in Doc [52](http://www.itu.int/md/T13-WTSA.16-C-0052/en) (Bangladesh), see previous paragraph.

# 3 Resolutions actions agreed at COM4 level

3.1 Agreed Revised Resolutions

| Number | Title | Reference |
| --- | --- | --- |
| 2 | ITU-T study group responsibilities and mandates | [118](http://www.itu.int/md/T13-WTSA.16-C-0118/en) |
| 20 | Procedures for allocation and management of international telecommunication numbering, naming, addressing and identification resources | [101](http://www.itu.int/md/T13-WTSA.16-C-0101/en) |
| 40 | Regulatory aspects of the work of the ITU Telecommunication Standardization Sector | [75](http://www.itu.int/md/T13-WTSA.16-C-0075/en) |
| 44 | Bridging the standardization gap between developing and developed countries | [75](http://www.itu.int/md/T13-WTSA.16-C-0075/en) |
| 49 | ENUM | [101](http://www.itu.int/md/T13-WTSA.16-C-0101/en) |
| 54 | Creation of, and assistance to, regional groups | [117](http://www.itu.int/md/T13-WTSA.16-C-0117/en) |
| 64 | IP address allocation and facilitating the transition to and deployment of IPv6 | [101](http://www.itu.int/md/T13-WTSA.16-C-0101/en) |
| 65 | Calling party number delivery, calling line identification and origin identification information | [101](http://www.itu.int/md/T13-WTSA.16-C-0101/en) |
| 69 | Non‑discriminatory access and use of Internet resources and telecommunications/ICTs | [101](http://www.itu.int/md/T13-WTSA.16-C-0101/en) |
| 72 | Measurement and assessment concerns related to human exposure to electromagnetic fields | [74](http://www.itu.int/md/T13-WTSA.16-C-0074/en) |
| 73 | Information and communication technologies, environment and climate change | [74](http://www.itu.int/md/T13-WTSA.16-C-0074/en) |
| 75 | The ITU Telecommunication Standardization Sector's contribution in implementing the outcomes of the World Summit on the Information Society, taking into account the 2030 Agenda for Sustainable Development | [117](http://www.itu.int/md/T13-WTSA.16-C-0117/en) |
| 76 | Studies related to conformance and interoperability testing, assistance to developing countries, and a possible future ITU Mark programme | [75](http://www.itu.int/md/T13-WTSA.16-C-0075/en) |
| 77 | Enhancing the standardization work in the ITU Telecommunication Standardization Sector for software-defined networking | [98](http://www.itu.int/md/T13-WTSA.16-C-0098/en) |

\* Available soon.

## 3.2 New Resolutions

| COM4 Number | EDCOM Number | Title | Reference |
| --- | --- | --- | --- |
| [AFCP-2] | [COM4/7] | Promoting the use of ICTs to bridge the financial inclusion gap | [119](http://www.itu.int/md/T13-WTSA.16-C-0119/en) |
| [AFCP-8] | [COM4/9] | Facilitating the implementation of the Smart Africa Manifesto | [119](http://www.itu.int/md/T13-WTSA.16-C-0119/en) |
| [APT-1] | [COM4/3] | Enhancing the standardization activities in the ITU Telecommunication Standardization Sector related to non-radio aspects of international  mobile telecommunications | [101](http://www.itu.int/md/T13-WTSA.16-C-0101/en) |
| [APT-2/IAP3] | [COM4/10] | Enhancing the standardization of Internet of Things and Smart Cities & Communities for global development | [119](http://www.itu.int/md/T13-WTSA.16-C-0119/en) |
| [APT-3] | [COM4/1] | Standardization work in the ITU Telecommunication Standardization Sector for cloud-based event data technology | [98](http://www.itu.int/md/T13-WTSA.16-C-0098/en) |
| [ARB-4] | [COM4/8] | Strengthening and diversifying the resources of the Telecommunication Standardization Sector of the International Telecommunication Union | [119](http://www.itu.int/md/T13-WTSA.16-C-0119/en) |
| [IAP-1/AFCP-6] | [COM4/11] | ITU-T initiatives to raise awareness on best practices and policies related to service quality | [119](http://www.itu.int/md/T13-WTSA.16-C-0119/en) |
| [IAP-4] | [COM4/4] | International mobile roaming (IMR) | [101](http://www.itu.int/md/T13-WTSA.16-C-0101/en) |
| [ITR] | [COM4/12] | Participation of the Telecommunication Standardization Sector in the Periodic review and revision of the International Telecommunication Regulations | [119](http://www.itu.int/md/T13-WTSA.16-C-0119/en) |
| [RCC-3] | [COM4/2] | Studies concerning the protection of users of telecommunication/ICT services | [98](http://www.itu.int/md/T13-WTSA.16-C-0098/en) |
| [RCC-4] | [COM4/5] | Enhancing access to an electronic repository of information on numbering plans published by the ITU Telecommunication Standardization Sector | [101](http://www.itu.int/md/T13-WTSA.16-C-0101/en) |
| [RCC-5] | [COM4/6] | Interconnection of 4G, 5G/IMT-2020 networks and beyond | [101](http://www.itu.int/md/T13-WTSA.16-C-0101/en) |

## 3.3 Resolutions with no changes

| Number | Title |
| --- | --- |
| 47 | Country code top-level domain names |
| 48 | Internationalized (multilingual) domain names |
| 59 | Enhancing participation of telecommunication operators from developing countries |
| 61 | Countering and combating misappropriation and misuse of international telecommunication numbering resources |

NOTE – The following Resolutions and Opinion under COM4 and its WGs did not receive any proposals are retained unchanged from WTSA-12: 79 (under COM4); 58, 62 (under WG4A); and 74 (under WG4B). Opinion 1 also did not receive any proposals and it is retained unchanged from WTSA-12.

## 3.4 Suppression of Resolutions

No Resolutions were proposed for suppression by COM4.

# 4 Issues deferred by COM4 to the Plenary

**4.1 Documents with DOA language**

Due to lack of time, the COM4 Plenary was not able to resolve the issues and to take a decision on the proposals in the following documents that contain language referring to DOA and the handle system.

The Plenary is requested to take appropriate actions.

| Number | Title | Reference |
| --- | --- | --- |
| Res [MOB-THEFT] | Countering mobile device theft using advanced information and communication technologies | Doc [108](http://www.itu.int/md/T13-WTSA.16-C-0108) |
| Res [COUNTERF] | ITU-T studies for combating counterfeit telecommunication/ICT devices | Doc [107](http://www.itu.int/md/T13-WTSA.16-C-0107/en) |
| Resolution 78 | Information and communication technology applications and standards for improved access to e-health services | Doc [106](http://www.itu.int/md/T13-WTSA.16-C-0106/en) |
| Resolution 60 | The evolution of the identification and numbering systems to meet the emerging technological trends including Internet of Things (IoT) | Doc [105](http://www.itu.int/md/T13-WTSA.16-C-0105/en) |
| Resolution 50 | Cybersecurity | Doc [104](http://www.itu.int/md/T13-WTSA.16-C-0104/en) |

\* Available soon.

**4.2 Instructs in revised Resolution 52**

COM4 tried to resolve the square bracket in draft revised Resolution 52 "Countering and combating spam" as found in Doc. [112](http://www.itu.int/md/T13-WTSA.16-C-0112/en), but was unable to arrive at an agreement. Consequently, the document is forwarded to the plenary. The Plenary is requested to take appropriate actions.

**4.3 Open source**

COM4 was not able to reach an agreement on the text of proposed new Resolution [ARB-5] "Enable Open Source as a Work Methodology in ITU-T", as found in Doc. [114](http://www.itu.int/md/T13-WTSA.16-C-0114/en). Consequently, the document is forwarded to the plenary, which is requested to take appropriate actions.

**4.4 OTT**

COM4 was not able to reach an agreement on the five square brackets in proposed new Resolution [AFCP-3] "On-line services for voice and messaging that require access to international public telecommunication numbering resources", as found in Doc. [110](http://www.itu.int/md/T13-WTSA.16-C-0110/en). The text under dispute is the same as the title of the resolution.

COM4 did not discuss draft revised Resolution 29 "Alternative calling procedures on international telecommunication networks" as found in [111](http://www.itu.int/md/T13-WTSA.16-C-0111/en), since it is dependent on the resolution of the issues in Resolution [AFCP-3].

Consequently, the document is forwarded to the plenary, which is requested to take appropriate actions for both documents.

## 4.5 Resolution on data privacy and trust in ICT infrastructures and services

Due to lack of time, the COM4 Plenary was not able to review the draft new Resolution [ARB-6] – “Strengthening the role of ITU-T in ensuring data privacy and trust in ICT infrastructures and services” that had been developed in WG4A. The latest version is found in Doc [113](http://www.itu.int/md/T13-WTSA.16-C-0113/en), and the plenary is requested to take appropriate actions.

Acknowledgments

Committee 4 Chairman, Mr Kwame Baah-Acheamfuor, wishes to express his heartfelt thanks to all the contributors of documents allocated to Committee 4 and its participants and distinguished delegates, in particular, the support and leadership of:

| Ad hoc group/ Drafting Group/ Informal consultation | Chairman/Convener/Focal Point |
| --- | --- |
| Ad hoc group on Allocation of block of work - Management work (WP2/2) | Mr Leo Lehmann (Switzerland) and Mr Sherif Guinena (Egypt) |
| Ad hoc group on IMT related resolutions: New Res. APT-1, New Res. RCC-5, Res. 49 | Mrs Karima Mahmoudi and Mrs Jihene Ben Abderrazek (Tunisia) |
| Ad hoc group on mandate and scope of SG3 | Mr Lwando Bbuku (Zambia) |
| Ad hoc group on numbering resolutions: Res. 20, 29, 40, 60, 61, 65 and new Res. RCC-4 | Mr Phil Rushton (UK) |
| Ad hoc group on Resolution 2 | Ms María Victoria Sukenik (Argentina) |
| Ad hoc group on SG20 matters related to IoT privacy, security and infrastructure | Mr Nilo Pasquali (Brazil) |
| Ad hoc group on SG20 matters | Mr Ratnam Na (Malaysia) |
| Ad hoc group on SG9 Restructuring | Mr Greg Ratta (USA) |
| Ad hoc group on  internet related resolutions: Res. 48, Res. 69, Res. 47 and Res. 64 | Mr  Dietmar Plesse  (Germany) |
| Ad hoc group on  OTT and IMR resolutions: New Res. AFCP-3 and New Res. IAP-4 | Mr Abraao Silva (Brazil) |
| Ad hoc group on  security related resolutions: Res. 52, new Res. ARB-6 and Res.50 | Mr Jeferson Fued Nacif (Brazil) |
| Ad hoc group on: Allocation of QI/11 | Ms Irene Kaggwa Sewankambo (Uganda) |
| Ad-hoc group on Resolution 68 “The implementation of Resolution 122 (Rev. Antalya, 2006) on the evolving role of the World Telecommunication Standardization Assembly” | Mr Christopher K. Kebei (Kenya) |
| Drafting group on Resolution 78 - E-health | Mr Ramy Ahmed (Egypt) |
| Drafting group on combating counterfeit | Mr Isaac Boateng (Ghana) |
| Drafting group on draft new Res. [RCC-3] (Consumer protection) | Ms Memiko Otsuki (Japan) |
| Drafting group on Draft New Resolution [IAP-1 - AFCP-6] (service quality) | Mrs Irene Kaggwa Sewankambo (Uganda) |
| Drafting group on IoT and Smart Cities | Mr Harin Grewal (Singapore) |
| Drafting group on mobile theft | Mr Isaac Boateng (Ghana) |
| Drafting group on new Resolution for Digital Financial Services | Mr Ahmed Said (Egypt) |
| Drafting group on Res ARB-5 - Open source | Mr Dmitry Cherkesov (Russia) |
| Drafting group on Resolution 72 and Resolution 73 | Mr Ahmed Zeddam (France) |
| Drafting group on Resolution 76 - Conformance and Interoperability | Mr Rahmy Ahmed Fathy (Egypt) |
| Drafting group Res ARB 4 - Strengthening and diversifying the resources of the Telecommunication Standardization Sector of the ITU | Mr Nasser Al Marzouqi (UAE) |
| Informal consultation on draft Resolution on ITR | Mr Musab Abdulla (Bahrain (Kingdom of)) |
| Informal consultation on Res APT-3 - Standardization work in the ITU Telecommunication Standardization Sector for cloud based event data monitoring application | Mr Sean Sharidz Doral (Malaysia) |
| Informal consultation on Res. 77 - Standardization Work In The ITU Telecommunication Standardization Sector for Software-Defined Networking | Mr Kai Hu (China) |

He also thanks the TSB staff for the excellent support received, in particular Mr Simão Campos-Neto, Ms Cristina Bueti and Mr Stefano Polidori, Ms Emma Norton Viard and Ms Reyna Ubeda, in addition to the various ITU staff members supporting the various ad hoc and drafting activities.

ANNEX

*Committee 4 requests the following actions by the Plenary as listed below:*

1. ***to approve the six reports of Committee 4 listed as listed in clause 1.3;***
2. ***address the pending issues from Committee 4 identified in clauses 4;***
3. ***to approve the text of Questions as given in clause 2.2.1 and 2.2.2;***
4. ***agree transfer of blocks of work in 2.2.3, 2.2.4 and 2.2.5;***
5. ***endorse the way forward in 2.2.7 concerning proposals for new Questions;***
6. ***to approve revision of the Resolutions as given in clause 3.1;***
7. ***to approve the new Resolutions as given in clause 3.2***
8. ***to agree NOC for the Resolutions listed in 3.3;***
9. ***is requested to mandate TSB to check Resolution 2 Annex C prior to publication, to ensure that the detailed Recommendation series allocations to study groups properly reflect all decisions taken by the assembly.***

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