**WorkPlan of ASTAP**(as of ASTAP-30, May 2018)

| **No.** | **EG** | **Work Plan no.** | **Title** | **Expected Deliverable** | **Duration** | **Contributions at ASTAP-30** |
| --- | --- | --- | --- | --- | --- | --- |
| **Start** | **End** |
| **WG PSC** |
| 1 | BSG | BSG-1 | Handbook to Introduce ICT Solution for the Community in Rural Areas  | Report | ASTAP-28 | ASTAP-31 | INP-23, INP-32, INF-16 |
| 2 | BSG-2 | Guideline on referencing Int’l Standards in developing National Standards in the field of ICT | Guideline  | ASTAP-28 | ASTAP-32 | INP-33, INP-37 |
| 3 | BSG-3 | Guideline on setting up National ICT Standardization Regime | Guideline | ASTAP-29 | ASTAP-34 | INP-35 |
| 4 | PRS | PRS-1 | Telecommunication Numbering Administration in Asia Pacific | Report  | ASTAP-27 | ASTAP-31 | N/A |
| 5 | PRS-2 | Regulatory matter and Implementation Practice on Quality of Experience (QoE) in Mobile Communications. | Report | ASTAP-29 | ASTAP-31 | INP-12 |
| 6 | PRS-3 | Measurement Scenarios and Sampling Methodologies to Assess Quality of Popular Mobile Services | Report | ASTAP-30 | ASTAP-33 | INP-13 |
| 7 | PRS-4 | Certification Mark for Communication Devices | Report | ASTAP-30 | ASTAP-32 | INP-29 |
| 8 | GICT&EMF | GICT&EMF-1 | Status Report on Efforts to Green Data Centres in the ICT/Telecommunication Sector in the APT member countries | Report  | ASTAP-26 | ASTAP-31 | N/A |
| 9 | GICT&EMF-2 | Status Report of Asia Pacific Regional Activities on Human Exposure to EMF (EMF impact) | Report  | ASTAP-30 | ASTAP-31 | INP-47, INP-49, INP-51 |
| 10 | GICT&EMF-3 | APT members’ status on the Deployment of Green or Environment friendly ICT project | Report  | ASTAP-28 | ASTAP-31 | INF-12 |
| 11 |  | GICT&EMF-4 | EMF Information Platform using EMF Area Monitoring System for the better Awareness of General Public | Report | ASTAP-29 | ASTAP-31 | INP-46, INP-48, INP-52 |
| **WG NS** |
| 12 | FN&NGN | FN&NGN-1 | VoLTE Interoperability | Report | ASTAP-28 | ASTAP-31 | INP-20 |
| 13 | DRMRS | DRMRS-1 | Case Studies and Guidelines for Implementing Emergency Telecommunication Systems in APT Region | Report | ASTAP-29 | ASTAP-31 | INP-30, INP-31, INP-39, INF-13, INF-14, INF-15 |
| 14 | SACS | SACS-1 | Seamless Access Communication Systems | Report | ASTAP-27 | ASTAP-31 | N/A |
| 15 | SACS-2 | Broadband Train Communication Network using RoF Technologies | Report | ASTAP-27 | ASTAP-32 | INP-26 |
| 16 | SACS-3 | Overview of Broadband Access Network in APT member countries | Report | ASTAP-27 | ASTAP-31 | INF-06 |
| 17 | SACS-4 | Requirement of Transceiver in Coherent Radio over Fiber System | Report  | ASTAP-28 | ASTAP-31 | INP-60 |
| 18 | SACS-5 | Revision of APT Report on Radio-over-Fiber Relay Link for Indoor Communication System | Report | ASTAP-29 | ASTAP-32 | INP-27 |
| 19 | SACS-6 | Power over Fiber System for Radio-over-Fiber Network | Report | ASTAP-29 | ASTAP-32 | INP-19 |
| 20 | SACS-7 | Field Trial of Wireless Access WDM-PON Deployment based on Radio-over-Fiber Technology | Report | ASTAP-29 | ASTAP-31 | INP-28 |

| **No.** | **EG** | **Work Plan no.** | **Title** | **Expected Deliverable** | **Duration** | **Contributions at ASTAP-30** |
| --- | --- | --- | --- | --- | --- | --- |
| **WG SA** |
| 21 | IOT | IOT-1 | Other IoT Applications and Services | Report | ASTAP-30 | ASTAP-31 | N/A |
| 22 | IOT-2 | High-priority Targets in Goal 11 of SDGS for Smart Sustainable Cities in the APT Region | Report | ASTAP-30 | ASTAP-32 | INP-18, INP-21 |
| 23 | IOT-3 | Traffic Accident Record and its Analysis Method’s Guidelines in Asia | Report | ASTAP-30 | ASTAP-32 | INP-34 |
| 24 | IS | IS-1 | Framework of 4-tier Cloud Access Security Broker for cloud service security | Guideline | ASTAP-28 | ASTAP-32 | INP-54, INP-55, INP-56 |
| 25 | IS-2 | Revision of Security Guideline: Guideline for Security use of IT Devices and services | Guideline | ASTAP-29 | ASTAP-31 | INP-10 |
| 26 | IS-3 | Security Guideline for Information and Network Security Management | Guideline | ASTAP-30 | ASTAP-33 | INF-11 |
| 27 | IS-4 | Security Guideline for Open source Software | Guideline | ASTAP-30 | ASTAP-33 | INP-57, INP-58 |
| 28 | IS-5 | Guideline for IoT Security  | Guideline | ASTAP-30 | ASTAP-33 | INP-53 |
| 29 | MA | MA-1 | Survey of IPTV services in APT region | Report | ASTAP-28 | ASTAP-32 | INP-05, INP-42 |
| 30 | MA-2 | Harmonization of S2ST (Speech-to-Speech Translation) Standardization  | Report/ Recomm. | ASTAP-28 | ASTAP-32 | INP-05, INP-16 |
| 31 | AU | AU-1 | Survey on the Status of Mobile Application Accessibility in the APT Region | Report | ASTAP-27 | ASTAP-31 | INP-45 |
| 32 | AU-2 | Telecommunication Relay Services in the AP Region | Report | ASTAP-30 | ASTAP-33 | N/A |
| **TOTAL CONTRIBUTIONS TO WORKPLAN** | **44 out of 82 INP/INF documents** |

**Workplan for EG BSG**

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| --- | --- |
| **Number** | BSG-1 |
| **Title** | HANDBOOK TO INTRODUCE ICT SOLUTIONS FOR THE COMMUNITY IN RURAL AREAS |
| **Output Document Type** | Report |
| **Group/Chairman** | EG BSG / Mrs. Nguyen Thi Khanh THUAN |
| **Editor(s)** | Dr. Hideyuki IWATA, NTT, Japan (iwata.hideyuki@lab.ntt.co.jp) |
| **Scope** | Collecting ICT pilot project cases including e-Agriculture and Aquaculture, e-Education, e-Environment, e-Healthcare, e-Disaster risk management, Smart City, and so on in rural communities and generalizing the knowledge of them. |
| **Purpose** | Providing the actual and useful information to start the related new ICT application projects |
| **Related Documents** | The APT Report on Handbook to introduce ICT solutions for the community in rural area (APT/ASTAP/REPT-13 (Rev.2), August 2017) |
| **Related Organization** | The Telecommunication Technology Committee (Working Group on BSG) |
| **Timelines** | Aug. 2014: Approval of APT/ASTAP/REPT-13Sept. 2015: Approval of APT/ASTAP/REPT-13 (Rev.1)ASTAP-28: Issuing a questionnaire on smart city application case studiesASTAP-29: (1) Approval to add the e-aquaculture project (APT/ASTAP/REPT-13 (Rev.2))(2) Postponement of questionnaire on Smart City use case deadlineASTAP-30: Report on summary of Smart City use case responseASTAP-31: Contribution of draft revised HANDBOOK (Rev.3) and move to approval |

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| --- | --- |
| **Number**  | BSG-2 |
| **Title** | Guideline on referencing int’l standards in developing national standards in the field of ICT |
| **Output Document Type** | Guideline |
| **Group/Chairman** | EG BSG / Mrs. Nguyen Thi Khanh THUAN |
| **Editor(s)** | Mr. Kihun KIM, TTA, Rep. of Korea (channel@tta.or.kr) |
| **Scope** | The guideline describes type (category) of ICT standards, definition of standards, and general procedure of development of standards as well as general principles in referencing ICT int’l standards when developing standards. This guideline will also provide various cases of national ICT standards of some countries which refers int’l standards. |
| **Purpose** | One of objectives of EG BSG is to assist developing countries in applying ITU-T Recommendations/int’t standards. The purpose of this work item is to provide basic principle and cases of referencing international standards including ITU-T recommendations when developing national standards.This work item is related to the Strategic Plan of the Asia-Pacific Telecommunity 2015-2017, specifically, 1.4\* of Strategic Actions of the Strategic Plan\*1.4 Share best practices, skills, regulations, and technologies to reduce the ICT development gap and to further develop ICT infrastructure so as to promote the innovation growth in the region; |
| **Related Documents** | ASTAP-30/INP-33, ASTAP-30/INP-37 |
| **Timelines** | ASTAP-28: Initiation of the project ASTAP-29: Survey and selection standards list which developing countries have high interests to develop as their national standardsASTAP-29 : Submission of a table of contents of the guidelineASTAP-30 : Collecting cases on various countriesASTAP-31: Discussion on a draft guidelineASTAP-31: Submission of the draft guidelineASTAP-32 : Revision of the draft guidelineASTAP-32: Submission of the final output to the Plenary meeting |

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| **Number** | BSG-3 |
| **Title** | Guideline on setting up national ICT standardization regime |
| **Output Document Type** | Guideline |
| **Group/Chairman** | EG BSG / Mrs. Nguyen Thi Khanh THUAN |
| **Editor(s)** | Mr. Shizhuo ZHAO, CCSA, P.R.China (zhaosz@ccsa.org.cn)Mr. Yochi MAEDA, TTC, Japan (yoichi.maeda@s.ttc.or.jp)Mr. Ken SUGAWARA, ARIB, Japan (k-sugawara@arib.or.jp)Mr. Yoshiaki KUMAGAI, ARIB, Japan (y-kumagai@arib.or.jp)Mr. Kihun KIM TTA, Rep. of Korea (channel@tta.or.kr) |
| **Scope** | The Guideline will provide: * Rationale for establishing a national standardization regime such as national standard development organization/ committee;
* Various models of SDOs/committee to be considered and recommended for APT Members which would suit to their circumstance;
* Role and mission of the organization/committee
* Role and responsibilities of various stakeholders such as government, industry, academia, etc.;
* Practical recommendations to operate the organization/committee.

In order to develop the Guideline, this Work Plan will commence with examining the real needs of developing countries in standardization in particular, setting up national regime for standardization. |
| **Purpose** | This Work Plan and the Guideline will facilitate the understanding of the needs of standardization framework as well as assist APT Members in setting up a national regime in particular a standard development organization or committee. |
| **Related Documents** | <http://www.itu.int/en/ITU-T/gap/Documents/NSSGuidelines.pdf>  |
| **Timelines** | ASTAP-29: Initiation of the work plan; ASTAP-30: Nominating editorASTAP-31: Determining the questionnaire of a survey to identify needs of developing countries and determining the components of the Guideline; ASTAP-32 : Reviewing the outcome of the Survey; reviewing the reference documents including ITU and other SDOs;ASTAP-33 : Determining the first draft of the Guideline;ASTAP-34: Holding a Standardization Workshop to get feedback from SDOs and Finalizing the draft of the Guideline and publication. |

**Workplan for EG PRS**

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| **Number** | PRS-1 |
| **Title** | Telecommunication Numbering Administration in Asia Pacific  |
| **Output Document Type** | Report |
| **Group/Chairman** | EG PRS/ Mr. Felix RUPOKEI |
| **Editor(s)** | Mr. Gava LAKAU, NICTA, Papua New Guinea (glakau@nicta.gov.pg) |
| **Scope** | The scope of this report to cover annual number charging, limitations and challenges overcome, if any, by regulators and/or Numbering administrators in AP region |
| **Purpose** | The purpose of this activity is to collect information on Telecommunication number charging by regulators and/or Numbering administrators of APT Member countries. |
| **Related Document** | ASTAP-27/IN-29 |
| **Timelines** | ASTAP-29: Draft and confirm the questionnaireASTAP-29-30: Send questionnaire to APT countriesASTAP-30: Compile report (Extend report submission timeline).ASTAP-31: Submission of report |

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| **Number** | PRS-2 |
| **Title** | Regulatory matter and implementation practice on quality of experience (QoE) in mobile communications |
| **Output Document Type** | Report |
| **Group/Chairman** | EG PRS/ Mr. Felix RUPOKEI |
| **Editor(s)** | Mr. Vuong The BINH, MIC, Viet Nam (vtbinh@mic.gov.vn )Mr. Nguyen Van KHOA, MIC, Viet Nam (nvkhoa@mic.gov.vn) |
| **Scope** | The report presents regulatory matter and implementation practice on quality of experience in mobile communications. The scope of the report is as follows:* Ensuring Quality of service (QoS) in mobile communications.
* Regulatory matter of Quality of Experience (QoE) in mobile communications
* Example cases within APT members in QoE implementation
* Conclusions (best practices, learnt lessons …)
 |
| **Purpose** | The purpose of this work item is to raise regulatory matter and to share implementation practices on QoE in mobile communications among APT members |
| **Related Documents** | ITU-T Recommendation E.804 ASTAP-29/INP-32ASTAP-30/INP-12 |
| **Timelines** | ASTAP-29: Initiation of the work itemASTAP-30: Draft QuestionnaireASTAP-30-31: Collect and analyze survey dataASTAP-31: Submission of report. |

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| **Number** | PRS-3 |
| **Title** | Measurement scenarios and sampling methodologies to assess quality of popular mobile services |
| **Output Document Type** | Report |
| **Group/Chairman** | EG PRS/ Mr. Felix RUPOKEI |
| **Editor(s)** | Mr. Vuong The BINH, MIC, Viet Name (vtbinh@mic.gov.vn)Mr. Nguyen Van KHOA, MIC, Viet Nam (nvkhoa@mic.gov.vn) |
| **Scope** | The report presents best practice of measurement scenarios and sampling methodologies to assess quality of popular mobile services. This report covers the following:* Key performance parameters used for end-to-end mobile popular services QoS assessment.
* Case studies of APT regulators policies of QoS measurement.
* Best practices of measurement scenarios used for field testing (includes but not limited to indoor, outdoor, drive-test), sampling methodologies; general requirements for testing systems used in scenarios.
 |
| **Purpose** | The purpose of this work item is to provide best practice of measurement scenarios and sampling methodologies for regulator to assess quality of popular services in the mobile network among APT members. |
| **Related Documents** | ITU-T E.804 “Quality of service aspects for popular services in mobile networks”.ITU-T P.863 “Perceptual objective listening quality assessment”.ITU-T Q.3691 “Framework for Internet related performance measurements”.ASTAP-30/INP-13 |
| **Timelines** | ASTAP-30: Initiation of the work itemASTAP-31: Submission of draft of the report skeleton.ASTAP-32: Conduct survey to collect case examples from APT countries.ASSTAP-32-33: Collect and analyze survey data; draft reportASTAP-33: Submission of report. |

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| **Number** | PRS-4 |
| **Title** | Certification Mark for Communication Devices |
| **Output Document Type** | Report |
| **Group/Chairman** | EG PRS/ Mr. Felix RUPOKEI  |
| **Rapporteur(s)** | Ms. Nadia Hazwani YAAKOB, MCMC, Malaysia (nadiahazwani.yaakob@cmc.goc.my) Mr Ahmad Zulhelmi Ab HAMID, MCMC, Malaysia(zulhelmi.hamid@cmc.gov.my)  |
| **Scope** | The scope of this report is to cover the implementation of certification mark for communications devices in Asia Pacific region. |
| **Purpose** | The purpose of this work item is to produce a report on the implementation of certification mark on communications devices in APT member countries. |
| **Related Document** | ASTAP-29/INP-58ASTAP-30/INP-29 |
| **Timelines** | ASTAP-30: Seek approval and initiation of the new work itemASTAP-31: Seek approval of the draft questionnaireASTAP-32: Finalize the report and present to ASTAP-32 Plenary |

**Workplan for EG GICT & EMF**

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| **Number** | GICT&EMF-1 |
| **Title** | Status Report on Efforts to Green Data Centres in the ICT/Telecommunication sector in the APT member countries |
| **Output Document Type** | Report |
| **Group/Chairman** | EG GICT & EMF/ Dr. Sam Young CHUNG |
| **Editor(s)** | Mr. Alex KUIK, MTSFB, Malaysia (tskuek@gmail.com)Mr. Nur Akbar SAID, MCIT, Indonesia (akbar@postel.go.id) |
| **Scope** | The scope of this report covers efforts in Asia Pacific region such as policies and activities on the Green Data Centre in the ICT/Telecommunication sector. |
| **Purpose** | The purpose of this report is to share existing regional green data centre efforts and best practices in the ICT/Telecommunication sector; as a reference and baseline document for future standardization work on green data centre.  |
| **Related Documents** | ASTAP-26-INF-16, [ASTAP-27/INP-23](http://www.apt.int/sites/default/files/2016/02/ASTAP-27-INP-23-NTT-Datacenter.docx), [ASTAP-27/INP-38](http://www.apt.int/sites/default/files/2016/03/ASTAP-27-INP-38-MTSFB_-_Malaysia_Govt_Data_Centre_Baseline_Study.docx)[ASTAP-27/INP-39](http://www.apt.int/sites/default/files/2016/03/ASTAP-27-INP-39-MTSFB_-_Malaysia_Technical_Code_Green_Data_Centre.docx), [ASTAP-27/INF-13](http://www.apt.int/sites/default/files/2016/03/ASTAP-27-INF-13-Indonesia-GreenDataCenter.docx) |
| **Timelines** | ASTAP-26: Draft (skeleton) Status Report presented and endorsed Request for members’ contribution ASTAP-27: Member countries contributions and presentations Update on the progress of the report Request for members’ contribution ASTAP-28: Update and present First Draft Document. Member countries contribution and presentationsASTAP-29: Update and present Second Draft Document ASTAP-30: Update and present draft report on the base of input documentsASTAP-31: Update the working draft report on green data centre and Finalize the report |

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| **Number** | GICT&EMF-2 |
| **Title** | Status report of Asia Pacific regional activities on human exposure to EMF (EMF impact) |
| **Output Document Type** | Status Report |
| **Group/Chairman** | EG GICT & EMF/ Dr. Sam Young CHUNG |
| **Editor(s)** | Mr. Alex KUIK, MTSFB, Malaysia (tskuek@gmail.com)Dr. Juno AN, IFRE, Rep. of Korea |
| **Scope** | The scope of this Status Report cover international regulations and guidelines, related international activities of EMF exposure, national policy, regulation and guideline for EMF exposure, awareness and education outreach activities of EMF exposure in the APT member countries. |
| **Purpose** | The purpose of this Status Report is to share existing regional activities and best practices in order to raise awareness on the human exposure to EMF. This document can be a reference for future standardization activities. |
| **Related Documents** | ASTAP-24-OUT-25, ASTAP-25-TMP-16, ASTAP-26-INF-15, ASTAP-27/INP-46, ASTAP-27/INP-47, ASTAP27/INP-09, ASTAP27/TMP-05ASTAP-30/INP-51, ASTAP-30/INP-47, ASTAP-30/INP-49 |
| **Timelines** | ASTAP-26: Request for members’ contribution ASTAP-27: Member countries contributions and presentations Update on the progress of the reportASTAP-28: Member countries contribution and presentations, draft the status reportASTAP-29: Finalize the report and approved in the ASTAP 29ASTAP-31: Updated for approval with the 2nd version of the current report |

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| **Number** | GICT & EMF-3 |
| **Title** | APT members’ status on the deployment of green or environment friendly ICT project |
| **Output Document Type** | Report |
| **Group/Chairman** | EG GICT & EMF/ Dr. Sam Young CHUNG |
| **Editor(s)** | Mr. Ratnam N. A., MTSFB, Malaysia (na\_ratnam@astro.com.my)Mr. Nguyen Van KHOA, MIC, Viet Nam (nvkhoa@mic.gov.vn) |
| **Scope** | To collect use cases from any implementation of green ICT projects or applications from APT members and affiliate members including green ICT policies and strategies with key successful factors or challenges. |
| **Purpose** | To develop a report which will be a reference to prepare APT guideline for best practices and environment friendly policies for effective ICT deployment methods.  |
| **Related Documents** | WTSA-16 Res. 73, ASTAP-28-INF-10, Presentations at Industry Workshop "Rare metal and e-waste" held at ASTAP-23, APT Report #1 "Introduction to Green ICT activities"ASTAP-29-TMP-10ASTAP-30/INF-12 |
| **Timelines** | ASTAP-28: Propose work plan  Request for members’ contribution ASTAP-29: Member countries contributions and presentations Update on the progress of the report Request for members’ contribution ASTAP-30: Update and present 1st draft report  Member countries contribution and presentationsASTAP-31: Update and present 2nd draft report  Finalize the report |

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| **Number** | GICT & EMF-4 |
| **Title** | EMF information platform using EMF area monitoring system for the better Awareness of general public |
| **Output Document Type** | Report |
| **Group/Chairman** | EG GICT & EMF/ Dr. Sam Young CHUNG |
| **Editor(s)** | Dr. Sam Young CHUNG, MSIT, Rep. of Korea (sychung3@korea.kr)Mr. Sungwon MOON, Rep. of Korea (swmoon@sysdyne.co.kr)Mr. Abdullah AL AMIN, Bangladesh (alamin@btrc.gov.bd)Mr. Bovorn MARKNAKA, Thailand (bovorn.m@nbtc.go.th) |
| **Scope** | * This report specifies the method and characteristics of RF-EMF area monitoring system to be used for spatial and continuous monitoring of electromagnetic fields emitted by radio transmitters.
* In the area scanning, broadband and frequency selective measurement system, it specifies to assess the long-term exposure of people to electromagnetic fields in the band of 9kHz – 300GHz.
* Especially, this report specifies for the general radio transmitters, mobile stations (GSM, WCDMA, LTE monitoring and with extrapolation), radar transmitters.
* The method of Web and App information platform for the general public awareness.
 |
| **Purpose** | * Guide to the methods of measurement and assessment for the long-term exposure in vicinity of the radio transmitters.
* To provide the better way for risk communication for EMF issue from vicinity of wireless communication tower in residence and many sensitive areas, it guides the EMF exposure level information platform.
* Guide to the method of area EMF monitoring system.
 |
| **Related Documents** | ASTAP-28/INF-16, 08 March 2017(Introduction to the EMF monitoring system to survey and manage the EM environment of radio stations and power line system)ASTAP-29/INP-40, Proposal on EMF information platform using area monitoring system for the better awareness of genera publicASTAP-30/INP-46, ASTAP-30/INP-48, ASTAP-30/INP-52 |
| **Timelines** | ASTAP-29: Initiation of the project & submission of a table of contents of technical reportASTAP-30 : Collecting cases on various countriesASTAP-31: Submission of the final output to the Plenary meeting for approval |

**WORKPLAN FOR EG FN&NGN**

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| --- | --- |
| **Number** | FN&NGN-1 |
| **Title** | VoLTE interoperability |
| **Document Type** | Report |
| **Group/Chairman** | EG FN&NGN / Dr. Joon Won LEE  |
| **Editor(s)** | Mr. Kaoru KENYOSHI, NICT, Japan (kaoru.kenyoshi@nict.go.jp)Ms. H.Y.LEE, TTA, Rep. of Korea (Co-editor) |
| **Scope** | To draft and complete the APT report on the use cases and deployment scenarios for VoLTE Interoperability in APT members.(focus on network and protocol aspects) |
| **Purpose** | Study a status of VoLTE interoperability: * To provide information on status of VoLTE services in APT member countries.
* To facilitate maturity and interoperability of VoLTE service
* To study possible common interfaces for the implementation of global VoLTE interoperability;
 |
| **Related Documents** | [[ 142-GEN ]](https://www.itu.int/md/meetingdoc.asp?lang=en&parent=T17-SG11-170206-TD-GEN-0142)  Draft New Recommendation ITU-T Q.30xx\_VoLTE\_Interconnection\_FW Framework of interconnection of VoLTE/ViLTE-based networksASTP-29/INF11ASTAP-30/INF-20 |
| **Related Organization** | ITU-T Q2/11, Q11/11GSMA3GPPETSI |
| **Timelines** | ASTAP-28: Initiate a work itemASTAP-29: Introduction of ITU-T SG11 activitiesASTAP-30: Draft APT reportASTAP-31: Final APT report |

**WORKPLAN FOR EG DRMRS**

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| --- | --- |
| **Number** | DRMRS-1 |
| **Title** | Report on case studies and guidelines for implementing emergency telecommunication systems in APT region |
| **Output Document Type** | Report |
| **Group/Chairman** | EG DRMRS / Mr. Yasubumi CHIMURA |
| **Editor(s)** | Dr. Hideo IMANAKA, NTT, Japan (hideo.imanaka@ntt-at.co.jp)  |
| **Scope** | The scope of this work item is followings:1) to summarize information on:* Actual case studies on implementing portable/movable emergency telecommunication systems in APT member countries
* Actual case studies for emergency drills using portable/movable emergency telecommunication systems for disaster scenarios in APT member countries
* Standardization activities of emergency telecommunication systems in ASTAP and ITU;

2) and to show guidelines for implementing emergency telecommunication systems in APT member countries, derived by case studies |
| **Purpose** | In order to introduce or implement suitable emergency telecommunication systems in each APT member country, especially encountered by disaster risks, the purposes of this APT report are: * Report on actual case studies of portable/movable emergency telecommunication systems in APT member countries
* Report on actual case studies of emergency drills using portable/movable emergency telecommunication systems for disaster scenarios in APT member countries
* Report of standardization activities regarding emergency telecommunication systems
* Report of guidelines for implementing portable/movable emergency telecommunication systems, so that APT member counties encountered disaster risks can easily adopt or select the systems
 |
| **Related Document** | ASTAP-30/TMP-11 (Rev.1) |
| **Timelines** | Expected approval time is 2019ASTAP-29: Initial Draft APT ReportASTAP-30: Update Draft APT ReportASTAP-31: Final APT Report |

**workplan for EG SACS**

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| --- | --- |
| **Number** | SACS-1 |
| **Title** | Seamless access communication systems  |
| **Document Type** | Report |
| **Group/Chairman** | EG SACS / Dr. Hiroyo OGAWA |
| **Editor(s)** | Dr. Hiroyo OGAWA, NICT, Japan (hiroyoogawa@nict.go.jp)Dr. Tetsuya KAWANISHI, NICT, Japan (kawanishi@nict.go.jp) |
| **Scope** | To address APT members the architectures, features, technical characteristics and applications of RoF technologies for seamless access communication systems. |
| **Purpose** | To provide some guidance to implement of RoF technologies in the millimeter-wave access communication systems for APT members.To develop as necessary liaison documents to external organization. |
| **Related Documents** | APT/ASTAP/REPT-03: Characteristics and requirements of optical and electrical components for millimeter wave Radio on Fiber systemsAPT/ASTAP/REPT-04: Technology trends of telecommunications above 100 GHzAPT/ASTAP/REPT-11: Wired and wireless seamless connections using millimeter-wave Radio over Fiber technology for resilient access networksAPT/ASTAP/REPT-19: Integration of radio-over-fiber with WDM PON for seamless access communication systemAPT/ASTAP/REPT-20: Radio-over-fiber relay link for Indoor communication systemAPT/ASTAP/REPT-25, APT Report on Fronthaul/ Backhaul using Millimeter-wave Radio over Fiber TechnologiesAPT/ASTAP/REPT-26, APT Report on Multiservice Signal Transmission using Radio over Fiber TechnologyITU-T G. Sup. 55: Radio-over-fiber (RoF) technologies and their applications |
| **Related Organization** | ITU-T (SG15 Q2/15) |
| **Timelines** | ASTAP-29: * Consider the input contributions
* Continue drafting a working document of a draft new APT Report
* Review and update work plan as appropriate

ASTAP-30* + - Consider the input contributions
		- Continue drafting a working document of a draft new APT Report
		- Review and update work plan as appropriate

ASTAP-31* + - Finalize the draft new APT Report on seamless access communication systems and submit to the plenary
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| **Number** | SACS-2 |
| **Title** | Broadband train communication network using RoF technologies |
| **Document Type** | Report |
| **Group/Chairman** | SACS-EG / Dr. Hiroyo OGAWA |
| **Editor(s)** | Dr. Tetsuya KAWANISHI, NICT, Japan (kawanishi@nict.go.jp) |
| **Scope** | To provide APT member countries one of use cases using RoF technologies in the seamless access communication systems and to address deployment scenario of broadband train communication network using RoF technologies. |
| **Purpose** | To develop an APT/ASTAP Report on broadband train communication networks with RoF technologies.To develop as necessary liaison documents to external organization. |
| **Related Documents** | APT/ASTAP/REPT-03: Characteristics and requirements of optical and electrical components for millimeter wave Radio on Fiber systemsAPT/ASTAP/REPT-04: Technology trends of telecommunications above 100 GHzAPT/ASTAP/REPT-11: Wired and wireless seamless connections using millimeter-wave Radio over Fiber technology for resilient access networksAPT/ASTAP/REPT-19: Integration of radio-over-fiber with WDM PON for seamless access communication systemAPT/ASTAP/REPT-20: Radio-over-fiber relay link for Indoor communication systemITU-T G. Sup. 55: Radio-over-fiber (RoF) technologies and their applications |
| **Related Organization** | ITU-T (SG15 Q2/15)IEC (TC 103 WG6) |
| **Timelines** | ASTAP-30* + - Consider the input contributions
		- Continue drafting a working document of a draft new APT Report
		- Review and update work plan as appropriate

ASTAP-31* Consider the input contributions
* Continue drafting a working document of a draft new APT Report
* Review and update work plan as appropriate
* Draft liaison documents to external organization as necessary

2020ASTAP-32* + - Finalize the draft new APT Report on broadband train communication network using RoF and submit to the plenary
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| **Number** | SACS-3 |
| **Title** | Overview of broadband access network in APT member countries |
| **Document Type** | Report |
| **Group/Chairman** | SACS-EG / Dr. Hiroyo OGAWA |
| **Editor(s)** | Dr. Ukrit MANKONG, Thailand (drukrit@gmail.com) |
| **Scope** | To provide APT member countries the situation and trend of broadband access network. |
| **Purpose** | To develop an APT/ASTAP Report on overview of access network in APT member countries. |
| **Related Documents** | APT/ASTAP/REPT-03: Characteristics and requirements of optical and electrical components for millimeter wave Radio on Fiber systemsAPT/ASTAP/REPT-04: Technology trends of telecommunications above 100 GHzAPT/ASTAP/REPT-11: Wired and wireless seamless connections using millimeter-wave Radio over Fiber technology for resilient access networksAPT/ASTAP/REPT-19: Integration of radio-over-fiber with WDM PON for seamless access communication systemAPT/ASTAP/REPT-20: Radio-over-fiber relay link for Indoor communication systemITU-T G. Sup. 55: Radio-over-fiber (RoF) technologies and their applications |
| **Related Organization** | ITU-T SG15 (Q2/15) |
| **Timelines** | ASTAP-30* + - Consider the input contributions
		- Continue drafting a working document of a draft new APT Report
		- Review and update work plan as appropriate

ASTAP-31* + - Finalize the draft new APT report on overview of broadband access network in APT member countries and submit to the plenary
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| **Number** | SACS-4 |
| **Title** | Requirement of transceiver in coherent radio over fiber system |
| **Document Type** | Report |
| **Group/Chairman** | SACS-EG / Dr. Hiroyo OGAWA |
| **Editor(s)** | Dr. Ukrit MANKONG, Thailand (drukrit@gmail.com) |
| **Scope** | To provide APT member countries technical guidance and requirement of a transmitter unit to configure coherent radio over fiber system. |
| **Purpose** | To develop an APT/ASTAP Report on requirement of transceiver in coherent radio over fiber system.To develop as necessary liaison documents to external organization. |
| **Related Documents** | APT/ASTAP/REPT-03: Characteristics and requirements of optical and electrical components for millimetre wave Radio on Fiber systemsAPT/ASTAP/REPT-11: Wired and wireless seamless connections using millimeter-wave Radio over Fiber technology for resilient access networksAPT/ASTAP/REPT-20: Radio-over-fiber relay link for Indoor communication systemITU-T G. Sup. 55: Radio-over-fiber (RoF) technologies and their applications |
| **Related Organization** | ITU-T SG15 (Q2/15)IEC (TC 103 WG6) |
| **Timelines** | ASTAP-30* Consider the input contributions
* Continue drafting a working document of a draft new APT Report
* Review and update work plan as appropriate
* Draft liaison documents to external organization as necessary

ASTAP-31* Finalize the draft new APT Report on requirement of transceiver in coherent radio over fiber system and submit to the plenary
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| **Number** | SACS-5 |
| **Title** | Revision of APT Report on Radio-over-Fiber Relay Link for Indoor Communication System |
| **Document Type** | Report |
| **Group/Chairman** | EG SACS / Dr. Hiroyo OGAWA |
| **Editor(s)** | Dr. Atsushi KANNO, NICT, JAPAN (kanno@nict.go.jp) |
| **Scope** | This Report provides the technical guideline of RoF relay links which connect wireless devices located at wirelessly disconnected areas, and their characteristics at millimeter-wave frequencies |
| **Purpose** | To revise an APT/ASTAP Report on radio-over-fiber relay link for indoor communication system and provide guidance to APT member countries to implement RoF transmission links in the seamless access communication systems. |
| **Related Documents** | APT/ASTAP/REPT-03: Characteristics and requirements of optical and electrical components for millimeter wave Radio on Fiber systemsAPT/ASTAP/REPT-11: Wired and wireless seamless connections using millimeter-wave Radio over Fiber technology for resilient access networksAPT/ASTAP/REPT-20: Radio-over-fiber relay link for Indoor communication systemITU-T G. Sup. 55: Radio-over-fiber (RoF) technologies and their applications |
| **Related Organization** | ITU-T SG15 (Q2/15)IEC (TC 103 WG6) |
| **Timelines** | ASTAP-29* + - Propose of revision of APT/ASTAP/REPT-20
		- Start drafting a working document of a draft APT Report
		- Review work plan as appropriate

ASTAP-30* + - Consider the input contributions
		- Continue drafting a working document of a draft revision of APT Report
		- Review and update work plan as appropriate

ASTAP-31* + - Consider the input contributions
		- Continue drafting a working document of a draft revision of APT Report
		- Review and update work plan as appropriate
		- Draft liaison documents to external organization as necessary

ASTAP-32* + - Finalize the draft new APT Report on radio-over-fiber relay link for indoor communication system and submit to the plenary
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| **Number** | SACS-6 |
| **Title** | Power over fiber system for radio over fiber network |
| **Document Type** | Report |
| **Group/Chairman** | EG SACS / Dr. Hiroyo OGAWA |
| **Editor(s)** | Dr. Ashaari YUSOF, TM, Malaysia (ashaari@tmrnd.com.my) |
| **Scope** | This Report provides technical guidance and requirement of PoF in RoF network, which is part of the wired and wireless seamless access communication systems. PoF components, configurations, applications, key parameters and specifications are also addressed as examples. |
| **Purpose** | To propose Power over Fiber (RoF) component evaluation, system requirement and application for Radio over Fiber (RoF) network communication systems. |
| **Related Documents** | APT/ASTAP/REPT-03(Rev.4): APT Report (2015), Characteristics and requirement of optical and electrical components for millimeter-wave Radio on Fiber systemsAPT/ASTAP/REPT-04: APT Report (2011), Technology trends of telecommunications above 100 GHzAPT/ASTAP/REPT-11: APT Report (2013), Wired and wireless seamless connections using millimeter-wave Radio over Fiber technology for resilient access networksAPT/ASTAP/REPT-19: APT Report (2015), Integration of Radio over Fiber with WDM PON for seamless access communication systemAPT/ASTAP/REPT-20: APT Report (2015), RoF relay link for indoor communication systemsAPT/ASTAP/REPT-25: APT Report (2017) Fronthaul/backhaul using millimeter-wave radio over fiber technologiesAPT/ASTAP/REPT-26: APT Report (2017) Multiservice signal transmission using radio over fiber technologyITU-T G. Suppl.55: ITU-T G-series Supplement RoF on Radio-over-fiber (RoF) technologies and their applicationsDraft new Recommendation ITU-T G.RoF, Radio over fiber systems. |
| **Related Organization** | ITU-T SG15 (Q2/15) |
| **Timelines** | ASTAP-29* + - Proposal on new work item and work plan

Drafting a working document of a draft new APT Repor2018ASTAP-30* + - Consider the input contributions
		- Continue drafting a working document of a draft new APT Report

ASTAP-31* + - Consider the input contributions
		- Continue drafting a working document of a draft new APT Report

ASTAP-32* Finalize the draft new APT Report on power over fiber system for radio over fiber network and submit to the plenary
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| **Number** | SACS-7 |
| **Title** | Field trial of wireless access WDM-PON deployment based on radio over fiber technology |
| **Document Type** | Report |
| **Group/Chairman** | EG SACS / Dr. Hiroyo OGAWA |
| **Editor(s)** | Dr. Ashaari YUSOF, TM, Malaysia (ashaari@tmrnd.com.my) |
| **Scope** | This Report provides the system design and configuration for wireless access WDM-PON field trial for Point to Multipoint (PtmP) wireless UniFi service distribution. |
| **Purpose** | To propose technical guidance, system design and configuration for field trial of wireless access WDM-PON deployment using Radio over Fiber (RoF) technology. |
| **Related Documents** | APT/ASTAP/REPT-03(Rev.4): APT Report (2015), Characteristics and requirement of optical and electrical components for millimeter-wave Radio on Fiber systemsAPT/ASTAP/REPT-04: APT Report (2011), Technology trends of telecommunications above 100 GHzAPT/ASTAP/REPT-11: APT Report (2013), Wired and wireless seamless connections using millimeter-wave Radio over Fiber technology for resilient access networksAPT/ASTAP/REPT-19: APT Report (2015), Integration of Radio over Fiber with WDM PON for seamless access communication systemAPT/ASTAP/REPT-20: APT Report (2015), RoF relay link for indoor communication systemsAPT/ASTAP/REPT-25: APT Report (2017) Fronthaul/backhaul using millimeter-wave radio over fiber technologiesAPT/ASTAP/REPT-26: APT Report (2017) Multiservice signal transmission using radio over fiber technologyITU-T G. Suppl.55: ITU-T G-series Supplement RoF on Radio-over-fiber (RoF) technologies and their applicationsDraft new Recommendation ITU-T G.RoF, Radio over fiber systems. |
| **Related Organization** | ITU-T SG15 (Q2/15)IEC (TC 103 WG6) |
| **Timelines** | ASTAP-29* + - Proposal on new work item and work plan
		- Drafting a working document of a draft new APT Report

ASTAP-30* + - Consider the input contributions
		- Continue drafting a working document of a draft new APT Report
		- Prepare a liaison statement to SG15 Q2 if necessary

ASTAP-31* + - Finalize the draft new APT Report on field trial of wireless WDM-PON deployment based on radio over fiber technology and submit to the plenary
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**WORKPLAN FOR EG IOT**

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| **Number** | IOT-1 |
| **Title** | Other IOT Applications and Services |
| **Output Document Type** | Report |
| **Group/Chairman** | EG IOT/ Dr. Toru YAMADA |
| **Editor(s)** | TBD |
| **Scope** | Specific topic on IoT-related applications and /or services such as Agriculture/Smart Farm and Autonomous Vehicle/Connected Car. |
| **Purpose** | * **Report of standardization activities** regarding on IoT applications and services such as IoT-based Agriculture/Smart Farm and Autonomous Vehicle/Connected Car.
* **Report on use cases** of IoT applications and services that can be used to derive requirements on the deployment in APT member countries
* **Report of survey results and recommendations** on regional interests of the APT member countries
 |
| **Related Document** | N/A |
| **Timelines** | Expected approval time is 2019 |

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| **Number** | IOT-2 |
| **Title** | Report on High-Priority Targets in Goal 11 of SDGs for Smart Sustainable Cities in the APT Region |
| **Output Document Type** | APT Report |
| **Group/Chairman** | EG IOT / Dr. Toru YAMADA |
| **Editor(s)** | Dr. Masahiro SERIZAWA, NEC Corp., Japan (serizawa@ah.jp.nec.com) |
| **Scope** | The scope of this work item is followings:* This document reports high-priority targets in the 11th goal of Sustainable Development Goals (SDGs) for APT member countries.
* This document reports specific actions and policies of the member countries toward the high-priority targets.
 |
| **Purpose** | A lot of cities have introduced Smart Sustainable City solutions in order to solve social issues. Since the social issues are different from city to city, various Smart Sustainable City solutions have been developed for the different social issues.The Sustainable Development Goals (SDGs) identify 17 goals and 169 targets for social and economic development issues to be solved by 2030. The 11th goal of the SDGs identifies ten targets for sustainability of cities and humans.In the APT region, there are a lot of countries with various social issues. It is considered that each country has different priority levels regarding the targets defined by SDGs. For providers of Smart Sustainable City solutions, it will be important to recognize high-priority targets of countries when they consider to develop optimal solutions for each country. It is also useful for country/city government to know status of neighboring regions when it makes policies to achieve the targets. |
| **Related Document** | ASTAP-30/TMP-10 |
| **Timelines** | ASTAP-32 (2020) |

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| **Number** | IOT-3 |
| **Title** | Traffic Accident Record and its Analysis Method’s Guidelines in Asia |
| **Output Document Type** | Report |
| **Group/Chairman** | EG IOT/ Dr. Toru YAMADA |
| **Editor(s)** | Dr. Chang-Yi LUO, TTC, Japan (cy-luo@jp.toyota-itc.com) |
| **Scope** | The scope of this work item is followings:1) to survey information on:* Traffic accident record status in APT member countries
* Expect use case to analysis and analysis methods in APT member countries;

2) and to show guidelines for necessary record field of traffic accident record and its analysis methodsThe guideline describes the necessary record field of traffic accident and its analysis methods. With the necessary record field, counter-measure for traffic accident is able to be identified through analysis methods of guideline. The guideline will provide common record and analysis approach for traffic accident in Asia, and counter-measure is thus able to be shared among APT member countries.  |
| **Purpose** | In order to introduce Traffic Accident Record and its Analysis Method’s Guidelines in each APT member country, the purposes of this APT report are: * Report on traffic accident record status in APT member countries
* Report on use case to analysis and analysis methods in APT member countries
* Report of traffic accident record and its analysis method’s Guidelines in APT member countries
 |
| **Related Documents** | ASTAP-30/TMP-09 : The Draft APT Report on Traffic Accident Record and its Analysis Method’s Guidelines in Asia |
| **Timelines** | ASTAP-30 (2018): Initiation of the projectASTAP-31 (2019): Submission of the draft guidelineASTAP-31 (2019): Surveying traffic accident record from various countries, and discussing the necessary common field of record for analysis methods into guidelineASTAP-32 (2020): Submission of the revised draft guideline To ask approval for the final output at plenary |
| **Relevance to APT Strategic Plan** | b1.4, b2.4, c2.4, d1.4, e2.1, |

**WORKPLAN OF EG IS**

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| **Number** | IS-1 |
| **Title** | Guidelines for Framework of 4-tier Cloud Access Security Broker for cloud service security |
| **Output Document Type** | Guideline |
| **Group/Chairman** | EG IS / Ms. Miho NAGANUMA |
| **Editor (s)** | Dr. Ki-Hyo NAM, Rep. of Korea (nkh@umlogics.com) Dr. Heuisu RYU, Rep. of Korea (hsryu@ginue.ac.kr) |
| **Scope** | This document is to provide a framework of 4-tier CASB with following below. Here are some of the following, including what to include in the future.* Introduction to gap analysis of standard activity
* Access Control Protocol for Cloud Service Security in 4-tier CASB
* Security control process for efficient cloud service security in 4-tier CASB environments
* Secure communication protocols between CASBs in 4-tier CASB settings
* Methods to manage security control for CASB and non-CASB secure devices in BYOD(Bring Your Own Device) environments
* Simulation and performance evaluation of the framework
 |
| **Purpose** | This draft document is to propose the framework that has to be included in 4-tier cloud access security broker (CASB), consisted of secure agent, CASB proxy, CASB inline gateway, and CASB secure API.The discussion and the outcome of this work item are related to efficiency of cloud service security. Many security companies around the world are developing and selling CASB products. CASB products can be divided by four types, but many problems may arise in a heterogeneous CASB environment, such as overlapping and overload of security control, inconsistency or desynchronizing of security policy, and bypassing. This document provides the framework of 4-tier CASB solving these problems. |
| **Related Document** |  ASTAP-30/TMP-14 |
| **Timelines** | Final output: ASTAP-32 (2020)  |

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| **Number** | IS-2 |
| **Title** | The Security Guideline: Guideline for Security use of IT Devices and Services (Revision) |
| **Output Document Type** | Guideline  |
| **Group/Chairman** | EG IS / Ms. Miho NAGANUMA |
| **Editor(s)** | Ms. Miho NAGANUMA, NEC, Japan (m-naganuma@bx.jp.nec.com)Dr. Dongil SEO, ETRI, Rep. of Korea (bluesea@etri.re.kr)Dr. Heuisu RYU, Rep. of Korea (hsryu@ginue.ac.kr) |
| **Scope** | This document is to guide minimum security points that have to be noticed by ICT users. It can be applied to general situation and all ICT users – it is worth understanding that users can protect their data with careful attention and basic knowledge.The guidelines in this document are for all users of ICT devices such as smartphone, PC, tablet PC, and services such as electronic bank transfer and SNS. |
| **Purpose** | EG IS published this first guideline at the ASTAP-28 meeting.In ASTAP-29, it was also agreed to revise it to update recent technologies and solutions for security issues/topics accordingly.  |
| **Related Document** | ASTAP-30/TMP-16 |
| **Timelines** | ASTAP-31 (2019) |

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| **Number** | IS-3 |
| **Title** | Security Guidelines for Information and Network Security Management |
| **Output Document Type** | Guideline |
| **Group/Chairman** | EG IS / Ms. Miho NAGANUMA |
| **Editor (s)** | Mr. Thaib MUSTAFA, MTSFB, Malaysia (thaibmus@tm.com.my) Ms. Rafeah OMAR, Malaysia |
| **Scope** | The scope covers the security guideline for establishing, implementing, maintaining and continually improving an information and network security management within the context of an organization. |
| **Purpose** | The purpose of this work item is to provide a security guidelines that are generic and intended to be applicable to all organizations, regardless of size, type or nature. This guideline also includes the assessment and treatment of information security risks tailored to the needs of the organization. |
| **Related Document** | ASTAP-30/TMP-15 |
| **Timelines** | ASTAP-33 (2021) |

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| **Number** | IS-4 |
| **Title** | Security guidelines for Open Source Software (Part 1 and 2) |
| **Output Document Type** | Guideline  |
| **Group/Chairman** | EG IS / Ms. Miho NAGANUMA |
| **Editor (s)** | Mr. Yong-Joon JOE, Rep. of Korea (eugene@lsware.com)Mr. Dong-Myung SHIN, Rep. of Korea (roland@lsware.com) |
| **Scope** | This document summarizes and arranges various information security technologies, which can be included in OSS, and security management guideline. |
| **Purpose** | This document is to enhance technically understanding level of developers who use OSS. It also provides references on OSS security to organizations that develop and provide software solution.  |
| **Related Document** | ASTAP-30/TMP-17 |
| **Timelines** | ASTAP-33 (2021) |

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| **Number** | IS-5 |
| **Title** | Guidelines for IoT Security  |
| **Output Document Type** | Guideline  |
| **Group/Chairman** | EG IS / Ms. Miho NAGANUMA |
| **Editor (s)** | Dr. Dongil SEO, ETRI, Rep. of Korea (bluesea@etri.re.kr)Dr. Heuisu RYU, Rep. of Korea (hsryu@ginue.ac.kr) |
| **Scope** | This document summarizes and arranges various information security technologies, which can be included in IoT solution. It is also considered to provide analysis of countries’ status for action to IoT security.*Note: Scope will be discussed in ASTAP-31.* |
| **Purpose** | This document is to enhance understating IoT security including specific threats, security consideration, measures and actions that should be taken. |
| **Related Document** | ASTAP-30/INP-53*Note: Informative contributions for IoT status in each country or related document are called for, and it will be discussed in ASTAP-31.*  |
| **Timelines** | ASTAP-33 (2021) |

**WORKPLAN FOR EG MA**

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| **Number** | MA-1 |
| **Title** | Survey of IPTV services in APT region |
| **Output Document Type** | Report, Liaison Statement |
| **Group/Chairman** | EG MA / Dr. Hideki YAMAMOTO  |
| **Editor(s)** | Dr. Jee-In KIM, Rep. of Korea (jeeink@gmail.com)Dr. Hideki YAMAMOTO, Oki Electric Industry Co., Ltd., Japan (yamamoto436@oki.com) |
| **Scope** | Survey of IPTV commercial and/or prototype service. |
| **Purpose** | To assist the basic design of deployment of IPTV services in Asia Pacific region  |
| **Related Document** | ASTAP-25/INP-25,ASTAP-28/TMP-18 “Draft Liaison statements of EG MA” (ASTAP-28/OUT-17 “Liaison Statement to ITU-T SG16, and ITU-T SG9 on IPTV Survey Study”) ASTAP-29/INP-07 (SG9-LS17) “Reply liaison statement from ITU-T SG9 “ASTAP-29/INP-07 (SG16-LS37) “Reply liaison statement from ITU-T SG16” |
| **Timelines** | ASTAP-28: Discussion of draft Questionnaire, issuing liaison statement on call for contribution on questionnaire. ASTAP-29: Approval of QuestionnaireASTAP-32: Approval of the report  |

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| **Number** | MA-2 |
| **Title** | Harmonization of S2ST (Speech-to-Speech Translation) Standardization  |
| **Output Document Type** | Recommendation/ Report/ Liaison Statement |
| **Group/ Chairman** | EG MA / Dr. Hideki YAMAMOTO |
| **Editor(s)** | Mr. Shoichi SENDA, NICT, Japan (s.senda@nict.go.jp) |
| **Scope** | The initial work of S2ST standardization has already completed in ITU-T SG16. It is a question whether additional standardization is required. If additional standardization needs are recognized, appropriate action to keep harmonization with existing standards will be clarified in this work item. |
| **Purpose** | EG SNLP(\*1) was a pioneer of S2ST standardization. The group has been contributed ITU-T SG16 standardization based on various needs in Asia Pacific Region where so many languages are spoken. The purpose of this workplan is reflecting the needs in Asia and Pacific region to all standardization activity relating S2ST service and technology through the harmonization of S2ST standardization. |
| **Related Documents** | Liaison Statement to ITU-T SG2 (ASTAP-24/OUT-18)Liaison Statement from ITU-T SG2 (ASTAP-27/INP-40) |
| **Related Organization** | ITU-T Q21/16, Q24/16 |
| **Timelines** | * Issues recognition: any time
* Solution study: 1-2 meetings after the issues recognition
* Action: depending the solution agreed
* APT Report preparation:
1. ASTAP-30: Initial draft
2. ASTAP-31: Update based on addressed comments
3. ASTAP-32: Approval for publication
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(\*1) EG SNLP was merged into EG MA during ASTAP-27.

**WorkplanS for EG AU**

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| **Number** | AU-1 |
| **Title** | Survey on the Status of Mobile Application Accessibility in the AP Region |
| **Output Document Type** | Report |
| **Group/ Chairman** | EG AU/ Dr. Jee-In KIM |
| **Editor(s)** | Dr. Jee-In KIM, Rep. of Korea (jeeink@gmail.com)Dr. Yong LEE, Rep. of Korea (ylee.biz@gmail.com)Mr. Hark SOHN, Rep. of Korea (mediamen@gmail.com) |
| **Scope** | The report describes the status of mobile application accessibility and its standardization activity in the APT region. The report can be used to promote the mobile accessibility strategies of the APT countries and the international standardization activities. The current issues with the mobile application accessibility and its improvement are discussed. The status and work plans of the APT countries in the mobile application accessibility are also discussed. |
| **Purpose** | The report aims to provide with general understanding of the status of the standardization activities for mobile application accessibility in the APT countries. It is also aimed to identify standardization issues of mobile application accessibility in the region. The mobile application developers can have information for their design and implementation of mobile applications which is accessible by persons with disabilities in the APT countries. The standard developers, who deal with national as well as international standards, are also able to utilize the report. |
| **Related Documents** | ASTAP-30/TMP-41 |
| **Related Organization** | TTA, KATS and NIA, Rep. of KoreaTTC, JBMIA and JISC, Japan TISI, NECTEC and NBTC, Thailand and the APT countriesITU-T SG16 (Q26/16) |
| **Timelines** | ASTAP-27: Initiation and discussion on the direction of the reportASTAP-28: Detailed planning and preparing a draft.2017: e-mail correspondence group: Discussion on the draftASTAP-29: Start the survey process2017 – 18: e-mail correspondence group: Collecting data and preparing the reportASTAP-30: Discussion and submission of the preliminary report2018 – 19: Collecting data from more APT countries and preparing the final reportASTAP-31: Discussion and submission of the final report |

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| **Number** | AU-2 |
| **Title** | Telecommunication Relay Services in the AP Region |
| **Output Document Type** | Report |
| **Group/Chairman** | EG AU /Dr. Jee-In KIM |
| **Editor(s)** | Ms. Wantanee PHANTACHAT, NECTEC, Thailand(wantanee.phantachat@nectec.or.th) Dr. Jee-In KIM, Rep. of Korea (jeeink@gmail.com) |
| **Scope** | The report describes the status of telecommunication relay services (TRS) in the APT region. The report can be used to promote TRS of the APT countries. The current issues with TRS and its improvement are discussed. The status and work plans of the APT countries in TRS are also discussed. |
| **Purpose** | The report aims to provide with general understanding of the status of TRS in the APT countries. It is also aimed to identify standardization issues of TRS in the region. The TRS providers can have information for their operations and improvements of TRS accessible by persons with hearing and speaking impairments in the APT countries. The standard developers, who deal with national as well as international standards, are also able to utilize the report. |
| **Related Documents** | ASTAP-30/OUT-41 “The meeting report on EG AU” |
| **Related Organization** | TTA, KATS and NIA, KoreaTTC, JBMIA and JISC, Japan TISI, NECTEC and NBTC, Thailand and the APT Member CountriesITU-T SG16 (Q26/16) |
| **Timelines** | ASTAP-31: Initiation and discussion on the direction of the reportASTAP-32: Detailed planning and preparing a draft.ASTAP-33: Discussion and submission of the final report |