**Work Plan of ASTAP**(as of ASTAP27, March 2016)

| **No.** | **EG** | **Work Plan no.** | **Title** | **Expected Deliverable** | **Duration** | | **Contributions at  ASTAP-27** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Start** | **End** |
| 1 | BSG | BSG-1 | Guideline for Management of Deploying ICT solutions | Guideline | N.A. | ASTAP-27 | INF-12 |
| 2 | BSG-2 | Handbook to Introduce ICT Solution for the Community in Rural Areas | Report | Aug. 2014 | ASTAP-30 | INP-59 |
| 3 | PRS | PRS-1 | ICT Standardization and Conformity Assessment System in Asia Pacific | Report | ASTAP-26 | ASTAP-28 | INP-10, INP-11 INF-10, INF-22 |
| 4 | ITU-T | ITU-T-1 | Conformance and interoperability (C&I) | Report |  | ASTAP-28/29 | N.A |
| 5 | 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-29 | INP-23, INP-38, INP-39 |
| 6 | GICT& EMF-2 | Status report for standardization activities on E-waste and rare metals | Report | ASTAP-26 | ASTAP-29 | - |
| 7 | GICT& EMF-3 | Status report of Asia Pacific regional activities on human exposure to EMF (EMF impact) | Report | ASTAP-26 | ASTAP-29 | INP-46, INP-47, INP-48  INF-09, INF-10 |
| 8 | FN& NGN | FN& NGN-1 | Future Transport Network Technologies | Report | ASTAP-27 | ASTAP-29 | INP-51, INP-57 |
| 9 | DRMRS | DRMRS-1 | Information and Communication System Using Vehicle During Disaster | Recommendation | ASTAP-25 | ASTAP-28 | INP-31 |
| 10 | SACS | SACS-1 | Seamless access communication systems | Recommendation | ASTAP-27 | ASTAP-29 | INP-30 |
| 11 | SACS-2 | Mobile fronthaul/mobile backhaul using RoF link | Report | ASTAP-27 | ASTAP-29 | INP-15, INP-61 |
| 12 | SACS-3 | Broadband train communication network using RoF technologies | Report | ASTAP-27 | ASTAP-30 | INP-19 |
| 13 | SACS-4 | Overview of broadband access network in APT member countries | Report | ASTAP-27 | ASTAP-30 | INP-14 |
| 14 | SACS-5 | Multiservice signal transmission system using RoF technology | Report | ASTAP-27 | ASTAP-28 | - |
| 15 | IS | IS-1 | Secure use of IT Devices and services – Protect your data | Guidelines | N.A. | ASAP-28 | INP-43 |
| 16 | MA | MA-1 | Survey of IPTV services in APT region (TBD) | Report | N.A. | N.A. | - |
| 17 |  | MA-2 | Harmonization of S2ST(Speech-to-Speech Translation) Standardization | Recommendation/Report/ Liaison Statement | N.A. | N.A. | INP-34 |
| 18 | IOT | IOT-1 | Report of e-Health in APT region | Report | N.A. | ASTAP-28/29 | - |
| 19 | IOT-2 | Report on Smart Cities Use Cases and Technologies in APT region | Report | N.A. | ASTAP-28/29 | INF-23 |
| 20 | IOT-3 | Other M2M Applications/Services | Report | N.A. | N.A. | - |
| **total** | | |  |  |  |  | **25** out of 100 INP or INF |

**[annex a] work plan of asap-27**

1. **work plans of wg pcs**

* **EG BSG**

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| No. | BSG-1 |
| **Title** | Guideline for Management of Deploying ICT solutions |
| **Output Document Type** | Guideline (best practice) |
| **Relevant EG** | EG BSG |
| **Editor(s)** | Yosuke Uchiyama / KDDI (email: ) |
| **Scope** | Providing guideline how to introduce the ICT solutions produced by APT member considering affordable and sustainable achievement, easily and systematically. |
| **Purpose** | To recommend guidelines to APT member countries on how to plan, establish, design, implement, operate and maintain ICT solutions when deploying in developing countries |
| **Related Documents** | APT/ASTAP-26/INP-07: Draft Handbook for Recommended Handbook to Introduce ICT Solutions in Rural Areas (Revised)  APT/ASTAP-25/INP-38: PROPOSED HANDBOOK FOR RECOMMENDED GUIDELINE TO INTRODUCE ICT SOLUTIONS IN RURAL AREAS (V3.1) |
| **Related Organization** | KDDI corporation |
| **Timelines** | ASTAP-27: Propose the drafted guideline for approval |

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| No. | BSG-2 |
| **Title** | HANDBOOK TO INTRODUCE ICT SOLUTIONS FOR THE COMMUNITY IN RURAL AREAS |
| **Output Document Type** | Report |
| **Relevant EG** | EG BSG, WG PSC |
| **Editor(s)** | Hideyuki IWATA (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 projects, 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** | [APT/ASTAP/REPT-13]. The APT Report on Handbook to introduce ICT solutions for the community in rural area (August 2014). |
| **Related Organization** | Telecommunication Technology Committee |
| **Timelines** | [Aug. 2014] Approval of [APT/ASTAP/REPT-13]  [Sept. 2015] Approval of revised [APT/ASTAP/REPT-13]  [2016] - Continue to revise the handbook to add new project results and generalized information of some project cases.  - Proposal of the new document title to cover the content  appropriately.  [2017] - Modifications and approval of revised document.  [2018-] - Continuous improvement of the document to add generalized information of the rest of project cases and new cases. |

* **EG PRS**

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| **No.** | PRS-1 |
| **Title** | ICT Standardization and Conformity Assessment System in Asia Pacific |
| **Output Document Type** | Report |
| **Chair** | Mr. Felix Rupokei |
| **Rapporteur(s)** | Ms. Nguyen Thi Thu Phuong, MIC, Viet Nam, [phuongnt@mic.gov.vn](mailto:phuongnt@mic.gov.vn) |
| **Scope** | The scope of this report is to cover standardization and conformity assessment systems, policy and strategy of APT member countries. |
| **Purpose** | The purpose of this activity is to collect and share information on ICT standardization and conformity assessment systems, policy and strategy of APT Member countries. |
| **Related Document** | [ASTAP-26/TMP-53](http://www.apt.int/sites/default/files/2015/09/ASTAP-26-TMP-53_EG_PRS-Questionnaire.docx) |
| **Timelines** | **2015-2017:**  ASTAP- 26: Draft and confirm the questionnaire  ASTAP 26-27: Send the questionnaire to APT countries  ASTAP - 27: Finalize report and present to ASTAP.  ASTAP-28: Continue improvement of the report to add more information of the other countries within the region |

* **EG ITU-T**

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| No. | ITU-T-1 |
| **Title** | Conformance and interoperability (C&I) |
| **Output Document Type** | APT Report |
| **Group/Chair** | EG ITU / Mr. Kaoru Kenyoshi |
| **Editor(s)** | Mr. Kaoru Kenyoshi, Mr. Nguyen Van Khoa |
| **Scope** | The scope of this work plan is developing an APT report on C&I relating to ITU C&I programme in four pillars   * Pillar1: conformity assessment * Pillar2: interoperability event * Pillar3: capacity building * Pillar4: assistance in the establishment of test centres and C&I programmes in developing countries |
| **Purpose** | This work plan aims to share the information and foster understanding and promote activities on C&I in the APT member countries. And it also supports to build the capability and find the resolution for interoperability issues of APT member countries.  Related items in the matrix to follow up APT strategic plan 2015-2017   * 1.2, 1.4, 2.2, 2.8, 6.1, 6.2, 7.3, 7.4, 7.5, 8.1, 8.3, 8.4, 8.5, 8.6 |
| **Related Document** | ASTAP-22/INP-65 Report of the 1st APT/ITU C&I Event 2013  ASTAP-24/INP-43(Rev.1) Report of the 2nd APT/ITU C&I Event 2014  ASTAP-26/INP-46(Rev.1) Report of the 3rd APT/ITU C&I Event 2015 |
| **Timelines** | Expected approval time is 2017 |

* **EG GICT & EMF**

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| No. | 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** | Status report |
| **Relevant EG** | EG GICT & EMF |
| **Editor(s)** | Mr. Alex Kuik/ MTSFB, Malaysia  Mr. Nur Akbar Said/ MCIT, Indonesia |
| **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) |
| **Related Organization** | APT Member countries |
| **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 presentations  ASTAP-29: Update and present Second Draft Document body.  Finalize the report |

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| No. | GICT&EMF-2 |
| **Title** | Status report for standardization activities on E-waste and rare metals |
| **Output Document Type** | Status report |
| **Relevant EG** | EG GICT & EMF |
| **Editor(s)** | Dr. Bum Sung Kim/ KITECH, Republic of Korea  Dr. Artprecha Rugsachart/NBTC, Thailand |
| **Scope** | The scope of this report introduces e-waste & rare metal related strategies, activities & management systems of international organizations as well as APT member countries. |
| **Purpose** | The purpose of this report is to share information related to E-waste & rare metals in order to raise awareness on the possible hazards & values of E-waste and rare metals. |
| **Related Documents** | ASTAP-23-OUT-14Rev.2  ASTAP-24-OUT-25 |
| **Related Organization** | APT member countries |
| **Timelines** | ASTAP-26: Request for members’ contribution  ASTAP-27: Member countries contributions and presentations  Update on the progress of the report  ASTAP-28: Member countries contributions and presentations  Request for members’ contribution and draft Status report  ASTAP-29: Finalize the report |

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| No. | GICT&EMF-3 |
| **Title** | Status report of Asia Pacific regional activities on human exposure to EMF (EMF impact) |
| **Output Document Type** | Status Report |
| **Relevant EG** | EG GICT&EMF |
| **Editor(s)** | Mr. Alex Kuik/ MTSFB, Malaysia  Dr.Juno An/IFRE, Republic 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, ASTAP27/INP46, ASTAP27/INP-47, ASTAP27/INP-09, ASTAP27/TMP-05 |
| **Related Organization** | APT member countries |
| **Timelines** | ASTAP-26: Request for members’ contribution  ASTAP-27: Member countries contributions and presentations  Update on the progress of the report  ASTAP-28: Member countries contribution and presentations, draft the status  report  ASTAP-29: Finalize the report |

1. **work plans of wg ns**

* **EG FN&NGN**

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| **No.** | FN&NGN-1 |
| **Title** | Future Transport Network Technologies |
| **Document Type** | Report |
| **Group/Chair** | FN&NGN-EG / Dr. Joon Won LEE |
| **Editor(s)** | Mr. Hiroki Date, Mr. Kaoru Arai, Dr. Makoto Murakami |
| **Scope** | Future transport network technologies including transport SDN, transport point to multi-point path, and synchronization over transport. |
| **Purpose** | To promote to clarify APT member countries’ use cases and requirements for transport network using future transport technologies including transport SDN, transport point to multi-point path, and synchronization over transport to provide useful information to APT member countries to deploy transport network technologies. |
| **Related Documents** | ASTAP26/INF4, INF5  ASTAP27/INP51, INP57 |
| **Related Organization** | ITU-T Q9/15  ITU-T Q10/15  ITU-T Q11/15  ITU-T Q12/15  ITU-T Q13/15  ITU-T Q14/15  IETF MPLS WG |
| **Timelines** | ASTAP27: Dispatch questionnaires to collect information  July 2016: Response to the questionnaires  ASTAP28: Draft APT report  ASTAP29: Final APT report |

* **EG DRMRS**

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| No. | DRMRS-1 |

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| **Title** | Information and Communication System Using Vehicle During Disaster |
| **Output Document Type** | APT Recommendation |
| **Relevant EG** | EG DRMRS |
| **Editor(s)** | Mr. Ryokichi Onishi |
| **Scope** | To recommend APT member countries to introduce Information and Communication System Using Vehicles During Disaster |
| **Purpose** | To develop an APT/ASTAP Recommendation on Information and Communication System Using Vehicles During Disaster  To develop as necessary liaison documents to external organization.  ASTAP Strategic Activity Item: 3.3 |
| **Related Documents** | Information on Disaster Information and Communication System Standard Using Vehicle (ASTAP-25/INP-31)  Proposal of Making Standard Specification of Information and Communication System using Vehicle during Disaster (ASTAP-26/INP-25) |
| **Related Organization** | ITU-D Q5/2 |
| **Timelines** | ◆ ASTAP-25  - Consider the input contribution of “Information on Disaster Information and Communication System Standard Using Vehicle”  ◆ ASTAP-26  - Agree to the draft system proposal of Information on Disaster Information and Communication System Standard Using Vehicle  ◆ ASTAP-27 and a workshop in 2016  - Discussion on System Specification for Information and Communications System using Vehicle during Disaster.  ◆ ASTAP-28  - Produce draft recommendation and submit the draft to plenary if completed. |

* **EG SACS**

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| No. | SACS-1 |
| **Title** | Seamless access communication systems |
| **Document Type** | Recommendation |
| **Group/Chair** | SACS-EG / Dr. Hiroyo Ogawa |
| **Editor(s)** | TBD |
| **Scope** | To recommend APT member countries to implement RoF technologies in the seamless access communication systems as guidance and to address deployment scenario of resilient access networks, mobile fronthaul/mobile backhaul , RoF relay indoor networks and WDM PON integrated with RoF. |
| **Purpose** | To develop an APT/ASTAP Recommendation on seamless access communication systems using RoF technologies and provide guidance to APT member countries to implement RoF transmission links in the seamless access networks .  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 systems  APT/ASTAP/REPT-04: Technology trends of telecommunications above 100 GHz  APT/ASTAP/REPT-11: Wired and wireless seamless connections using millimeter-wave Radio over Fiber technology for resilient access networks  APT/ASTAP/REPT-19: Integration of radio-over-fiber with WDM PON for seamless access communication system  APT/ASTAP/REPT-20: Radio-over-fiber relay link for Indoor communication system  ITU-T G. Sup. 55: Radio-over-fiber (RoF) technologies and their applications |
| **Related Organization** | ITU-T Q2/15  IEC TC 103 WG6 |
| **Timelines** | 2016   * ASTAP-27   + - Consider the input contributions     - Continue drafting a working document of a draft new APT Recommendation     - Review and update work plan as appropriate     - Draft liaison documents to external organization as necessary   2017   * ASTAP-28   + - Consider the input contributions     - Continue drafting a working document of a draft new APT Recommendation     - Review and update work plan as appropriate     - Draft liaison documents to external organization as necessary * ASTAP-29   + - Finalize the draft new APT Recommendation on seamless access communication systems and submit to the plenary |

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| No. | SACS-2 |
| **Title** | Mobile fronthaul/mobile backhaul using RoF link |
| **Document Type** | Report |
| **Group/Chair** | SACS-EG / Dr. Hiroyo Ogawa |
| **Editor(s)** | Dr. Atsushi Kanno |
| **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 mobile fronthaul/mobile backhaul using RoF link. |
| **Purpose** | To develop an APT/ASTAP Report on mobile fronthaul/mobile backhaul using RoF link.  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 systems  APT/ASTAP/REPT-04: Technology trends of telecommunications above 100 GHz  APT/ASTAP/REPT-11: Wired and wireless seamless connections using millimeter-wave Radio over Fiber technology for resilient access networks  APT/ASTAP/REPT-19: Integration of radio-over-fiber with WDM PON for seamless access communication system  APT/ASTAP/REPT-20: Radio-over-fiber relay link for Indoor communication system  ITU-T G. Sup. 55: Radio-over-fiber (RoF) technologies and their applications |
| **Related Organization** | ITU-T Q2/15  IEC TC 103 WG6 |
| **Timelines** | 2016   * ASTAP-27   + - 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   2017   * ASTAP-28   + - 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-29   + - Finalize the draft new APT Report on mobile fronthaul/mobile backhaul using RoF link and submit to the plenary |

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| No. | SACS-3 |
| **Title** | Broadband train communication network using RoF technologies |
| **Document Type** | Report |
| **Group/Chair** | SACS-EG / Dr. Hiroyo Ogawa |
| **Editor(s)** | Dr. Tetsuya Kawanishi |
| **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 millimetre wave Radio on Fiber systems  APT/ASTAP/REPT-04: Technology trends of telecommunications above 100 GHz  APT/ASTAP/REPT-11: Wired and wireless seamless connections using millimeter-wave Radio over Fiber technology for resilient access networks  APT/ASTAP/REPT-19: Integration of radio-over-fiber with WDM PON for seamless access communication system  APT/ASTAP/REPT-20: Radio-over-fiber relay link for Indoor communication system  ITU-T G. Sup. 55: Radio-over-fiber (RoF) technologies and their applications |
| **Related Organization** | ITU-T Q2/15  IEC TC 103 WG6 |
| **Timelines** | 2016   * ASTAP-27   + - Propose new work item and work plan     - 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 AWG   2017   * ASTAP-28   + - 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-29   + - 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   2018   * ASTAP-30   + - Finalize the draft new APT Report on broadband train communication network using RoF and submit to the plenary |

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| No. | SACS-4 |
| **Title** | Overview of broadband access network in APT member countries |
| **Document Type** | Report |
| **Group/Chair** | SACS-EG / Dr. Hiroyo Ogawa |
| **Editor(s)** | Dr. Ukrit Mankong |
| **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 millimetre wave Radio on Fiber systems  APT/ASTAP/REPT-04: Technology trends of telecommunications above 100 GHz  APT/ASTAP/REPT-11: Wired and wireless seamless connections using millimeter-wave Radio over Fiber technology for resilient access networks  APT/ASTAP/REPT-19: Integration of radio-over-fiber with WDM PON for seamless access communication system  APT/ASTAP/REPT-20: Radio-over-fiber relay link for Indoor communication system  ITU-T G. Sup. 55: Radio-over-fiber (RoF) technologies and their applications |
| **Related Organization** | ITU-T Q2/15  IEC TC 103 WG6 |
| **Timelines** | 2016   * ASTAP-27   + - Consider the input contributions     - Continue drafting a working document of a draft new APT Report     - Review and update work plan as appropriate   2017   * ASTAP-28   + - Consider the input contributions     - Propose to send Questionnaire to APT member countries     - Continue drafting a working document of a draft new APT Report     - Review and update work plan as appropriate * ASTAP-28   + - Consider the input contributions     - Continue drafting a working document of a draft new APT Report     - Review and update work plan as appropriate   2018   * ASTAP-30   + - 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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| No. | SACS-5 |
| **Title** | Multiservice signal transmission system using RoF technology |
| **Document Type** | Report |
| **Group/Chair** | SACS-EG / Dr. Hiroyo Ogawa |
| **Editor(s)** | Dr. Thavamaran Kanesan |
| **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 multiservice signal transmission system using RoF technologies. |
| **Purpose** | To develop an APT/ASTAP Report on multiservice signal transmission system using 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 millimetre wave Radio on Fiber systems  APT/ASTAP/REPT-04: Technology trends of telecommunications above 100 GHz  APT/ASTAP/REPT-11: Wired and wireless seamless connections using millimeter-wave Radio over Fiber technology for resilient access networks  APT/ASTAP/REPT-19: Integration of radio-over-fiber with WDM PON for seamless access communication system  APT/ASTAP/REPT-20: Radio-over-fiber relay link for Indoor communication system  ITU-T G. Sup. 55: Radio-over-fiber (RoF) technologies and their applications |
| **Related Organization** | ITU-T Q2/15  IEC TC 103 WG6 |
| **Timelines** | 2016   * ASTAP-27   + - 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   2017   * ASTAP-28   + - Finalize the draft new APT Report on mobile fronthaul/mobile backhaul using RoF link and submit to the plenary |

1. **work plans of wg sa**

* **EG IS**

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| No. | IS-1 |
| **Title** | Secure use of IT Devices and services – Protect your data |
| **Output Document Type** | Guidelines |
| **Group/Chair** | EG IS / Miho Naganuma |
| **Rapporteur (s)** | Miho Naganuma, Heuisu Ryu, and Dongil Seo |
| **Scope** | This guideline document is applicable to general situation and all ICT users. |
| **Purpose** | This guideline document is to provide minimum security points that have to be aware to all users of ICT devices and services.  The discussion and the outcome of this work item is related to Brunei Darussalam Statement and the Strategic Plan of the Asia-Pacific Telecommunity 2015-2017, specifically, 4.1 and 4.8\* indicated in the work programme.  **\* 4.1** Assist members to collaborate to build and strengthen C.1 trust and confidence in the use of ICT so that the people can use ICT for their progress and prosperity without any concern;  **4.8** Enhance reliability and confidence in the use of ICT applications by helping Members to develop guidelines for the secure flow of information; |
| **Related Document** | [ASTAP-27/TMP-07](http://www.apt.int/sites/default/files/2016/03/ASTAP-27-TMP-07-The_base_texts_of_the_security_guidelines.docx) |
| **Timelines** | Final output: ASTAP-28 |

* **EG MA**

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| No. | **MA-1** |
| **Title** | Survey of IPTV services in APT region (TBD) |
| **Output Document Type** | Report |
| **Group/Chair** | EG MA / Hideki Yamamoto |
| **Editor(s)** | JEE-IN KIM, Konkuk University, KOREA (Republic of)  Email: jeeink@gmail.com  Hideki Yamamoto, Oki Electric Industry Co., Ltd., Japan  Email: yamamoto436@oki.com |
| **Scope** | IPTV commercial and/or prototype service. (TBD) |
| **Purpose** | To assist the basic design of deployment of IPTV services in Asia Pacific region  (TBD) |
| **Related Document** | ASTAP-25/INP-25 |
| **Timelines** | TBD |

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| No. | MA-2 |
| **Title** | Harmonization of S2ST(Speech-to-Speech Translation) Standardization |
| **Output Document Type** | Recommendation/Report/ Liaison Statement |
| **Editor(s)** | Mr. Shoichi Senda |
| **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 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** | Proposal for the Harmonization of New Work Items Proposed in ITU-T SG2 and Recommendations F.745 and H.625 at ITU-T SG16 (ASTAP-26/INP-08)  LIAISON STATEMENT TO ITU-T SG2 (ASTAP-24/OUT-18)  Liaison Statement from ITU-T SG2 (ASTAP-27/INP-40)  Report of Harmonization Activity on S2ST Standardization (ASTAP-27/INP-34) |
| **Related Organization** | ITU-T Q21/16, Q4/2 |
| **Timelines** | Issues recognition: any time  Solution study: 1-2 meetings after the issues recognition  Action: depending the solution agreed |

* **EG iot**

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| No. | **IOT-1** |
| **Title** | **APT report of e-Health in APT region** |
| **Output Document Type** | APT report |
| **Group/Chair** | EG M2M/ Dr. Hideo IMANAKA |
| **Editor(s)** | Mr. Kazunori TANIKAWA |
| **Scope** | The scope of the report is followings:   * Introduction of concept and importance of ICT countering e-Health * Introduction of related international standards activities * Introduction of case studies * Analysis of further study items for APT member countries |
| **Purpose** | * Report of standardization activities regarding ICT/telecommunication networks on e-Health * Report on e-Health use cases that can be used to derive requirements on ICT/telecommunication networks in APT member countries |
| **Related Document** | [ASTAP26/TMP-28](http://www.apt.int/sites/default/files/2015/09/ASTAP-26-TMP-28_EG-M2M-eHealth_150911.docx) |
| **Timelines** | Expected approval time is 2017 |

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| No. | **IOT-2** |
| **Title** | **Report on Smart Cities Use Cases and Technologies in APT region** |
| **Output Document Type** | APT Report |
| **Group/Chair** | EG M2M / Dr. Hideo IMANAKA |
| **Editor(s)** | Dr. Gopinath Rao Sinniah |
| **Scope** | The scope of this work item is followings:   * Report of standardization activities regarding ICT/telecommunication networks on Smart Cities * Report on use cases of Smart Cities that can be used to derive requirements on ICT/telecommunication networks in APT member countries |
| **Purpose** | The purpose of this work plan is to develop an APT report which includes information such as use case, technologies, solutions, ecosystem, and standard activities of SDOs etc. relating to Smart Cities. This work item aims to collect information related to Smart Cities of each APT member country such as best practice, and to share them among APT member countries. It also aims to support build up Smart Cities in APT member countries. |
| **Related Document** | [ASTAP-27/INF-23](http://www.apt.int/sites/default/files/2016/03/ASTAP-27-INF-23-Smart_City_Use_cases.docx) |
| **Timelines** | Expected approval time is 2017 |

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| No. | **IOT-3** |
| **Title** | **Other M2M Applications/Services** |
| **Output Document Type** | APT report |
| **Group/Chair** | EG M2M/ Dr. Hideo IMANAKA |
| **Editor(s)** | TBD |
| **Scope** | Specific topic on M2M-related applications and /or services such as Intelligent Transport System |
| **Purpose** | * Report of standardization activities regarding ICT/telecommunication networks on other M2M applications such as ITS (Intelligent Transport System) * Report on use cases of other M2M applications that can be used to derive requirements on ICT/telecommunication networks in APT member countries * Report of survey results on regional interests of the APT member countries |
| **Related Document** | TBD |
| **Timelines** | TBD |