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| logogreen | ASIA-PACIFIC TELECOMMUNITY | **Document:**  **ASTAP-29/OUT-20** |
| **The 29th APT Standardization Program Forum (ASTAP-29)** |
| 22-26 August 2017, Bangkok, Thailand | 25 August 2017 |

**Working Group Policy and Strategic Coordination**

**QUESTIONNAIRE ON   
APT MEMBERS’ STATUS ON THE DEPLOYMENT OF  
GREEN OR ENVIRONMENT-FRIENDLY ICT PROJECT**

**Section 1: Overview**

1. **Introduction**

During the ASTAP-28, a new work plan was established to develop a status report as a deliverable for further ASTAP meetings in collaboration with GICT & EMF EG participants involved in the meeting. This new work plan entitled APT members’ status on the deployment of green or environment friendly ICT project was approved by the Plenary. In order to achieve this objective, these questionnaires survey is directed at APT members to obtain the following information:

a) Nature of their country’s ICT project implementation, including regulations and compliance

b) Green or eco-friendly elements incorporated into various stages of the ICT project cycle

c) Key success factors that can be measured from the implementation of the ICT project

d) Public engagement, awareness activities and areas of consideration throughout the ICT project

e) Challenges or limitations encountered during the course of implementing the ICT project

Over the years, the role of ICT in the protection of the environment has received significant attention in different types of international forums. Increasing temperatures and sea level and frequent incidences of floods and storms constitute the evident impact of climate change, having also an effect on the balance of the ecosystems, water and food supply, public health, industry, agriculture and infrastructure.

Green ICTs have become the way to advance the public’s sector performance in terms of information and service delivery, to encourage public participation in the decision-making process and to make government more accountable, transparent and effective. Green or environmentally friendly ICT are key elements supporting the growth of e-government initiatives, strategies and projects.

1. **Objective of the Questionnaire:**

To develop a report that will be a reference to prepare APT guideline for best practices and environment friendly policies for effective ICT deployment methods.

1. **Responsible Group:**

Expert Group Green ICT and EMF Exposure, (EG GICT&EMF)

1. **Rapporteurs of the Questionnaire:**

Ratnam N.A, EG GICT&EMF

1. **Meeting at which the Questionnaire will be Approved:**

The 29th APT Standardization Program Forum (ASTAP-29)

1. **Target Responder:**

APT Members, Associate Member and Affiliate Members

1. **ICT Project Status Report:**

Please provide a project status report in detail, comprising of the below questionnaires and return them to the APT Secretariat (Email: aptastap@apt.int) until February 2018

1. **Deadline for Responses:**

28th February 2018

**Section 2: Questionnaire**

**PART A: Respondent Information**

**1. Particulars of organization responding to this Questionnaire and details of the contact person**

|  |  |
| --- | --- |
| Name |  |
| Country |  |
| Organization |  |
| Address |  |
| Telephone |  |
| Fax |  |
| E-mail |  |

**2. Please state the role and responsibility of the respondent**

**Check (X) where applicable**

|  |  |
| --- | --- |
| Government – Policy Maker |  |
| Equipment Manufacturer |  |
| Telecom Operators |  |
| NGO / Activist / Environmentalist |  |
| R&D Institution |  |
| Others |  |

**If others, please specify**

|  |
| --- |
|  |

**PART B: ICT Project Implementation**

**1. Who was/were the responsible party/parties in deploying the ICT Project? Please specify the name of the project and the corresponding party/parties involved.**

|  |  |  |
| --- | --- | --- |
| No. | Project Name | Responsible Party/Parties |
| 1 |  |  |
| 2 |  |  |
| 3 |  |  |

**\* Please add if more**

**2. What were the ICT Project(s) implemented in the last twelve (12) months within or outside your country?**

**No.1**

|  |  |
| --- | --- |
| Project Name |  |
| Purpose |  |
| Location |  |

**No.2**

|  |  |
| --- | --- |
| Project Name |  |
| Purpose |  |
| Location |  |

**No.3**

|  |  |
| --- | --- |
| Project Name |  |
| Purpose |  |
| Location |  |

**\* Please add if more**

**3. Was there a requirement to meet local regulations or compliance to implement the Project(s)?**

**Check (X) where applicable**

|  |  |  |
| --- | --- | --- |
|  | YES | NO |
| Project 1 |  |  |
| Project 2 |  |  |
| Project 3 |  |  |

**\* Please add if more**

**If yes, please describe details of the regulations or compliance**

|  |  |
| --- | --- |
| Project 1 |  |
| Project 2 |  |
| Project 3 |  |

**\* Please add if more**

**4. If your country does not currently have any regulations or compliance, what is the alternative approach taken?**

|  |  |
| --- | --- |
| Method 1 |  |
| Method 2 |  |
| Method 3 |  |

**\* Please add if more**

**PART C: ICT Project Cycle**

**1. In the following stages of the ICT Project implementation, were there green or eco-friendly elements incorporated? Please replicate Sections (a) to (d) below if there are multiple projects**

**Check (X) where applicable**

**(a) Planning**

|  |  |
| --- | --- |
| Risk management pertaining to location and vicinity |  |
| Conservation and protection of nature and surrounding areas |  |

**(b) Design**

|  |  |
| --- | --- |
| Optimization of infrastructure to minimize conventional energy usage |  |
| Incorporation of renewable energy source e.g. Solar, Water, Wind |  |

**(c) Built**

|  |  |
| --- | --- |
| Efficiency of site selection and design aspects |  |
| Usage of sustainable materials used for structure |  |

**(d) Operations**

|  |  |
| --- | --- |
| Efficient emission management & reduction of carbon footprint |  |
| Enhancement of outdoor environment quality and sustainability |  |

**(e) Project Completion**

|  |  |
| --- | --- |
| Was the Project completed on time and according to specifications? |  |

What was the length of the Project cycle?

|  |  |
| --- | --- |
| One (1) to Three (3) years |  |
| Three (3) to Five (5) years |  |
| Five (5) years and above |  |

**If others, please describe a brief statement of the green or eco-friendly element**

|  |  |
| --- | --- |
| 1. |  |
| 2. |  |
| 3. |  |

**\* Please add if more**

**PART D: Implementation Factors**

**1. What were the identified key success factors from implementing the ICT Project?**

**(X) Where applicable Results and/or outcome**

|  |  |  |  |
| --- | --- | --- | --- |
| Electricity consumption |  |  |  |
| Water utilization |  |  |  |
| Landfill wastages |  |  |  |
| CO2 Emissions |  |  |  |

**If others, please state the contributing factor**

|  |  |
| --- | --- |
| 1. |  |
| 2. |  |
| 3. |  |

**\* Please add if more**

**2. What were the challenges and limitations from implementing the ICT Project?**

**(X) Where applicable Provide brief details**

|  |  |  |  |
| --- | --- | --- | --- |
| Cost Constraint |  |  |  |
| Inaccessibility |  |  |  |
| Lack of Expertise |  |  |  |
| Dependencies |  |  |  |

**If others, please state the challenges and limitations**

|  |  |
| --- | --- |
| 1. |  |
| 2. |  |
| 3. |  |

**\* Please add if more**

**PART E: Communal Engagement**

**1. During the ICT Project implementation, were any of the following areas considered?**

**(a) Public Awareness Check (X) where applicable**

|  |  |
| --- | --- |
| Yes |  |
| No |  |

**If Yes, please describe details of the action taken**

|  |
| --- |
|  |

**(b) Publications Check (X) where applicable**

|  |  |
| --- | --- |
| Yes |  |
| No |  |

**If Yes, please describe details of the action taken**

|  |
| --- |
|  |

**(c) Community Feedback**

**Pre-Project Post-Project**

|  |  |  |  |
| --- | --- | --- | --- |
| Yes |  |  |  |
| No |  |  |  |

**If Yes, please describe details of the action taken**

|  |
| --- |
|  |
|  |

**(d) Benefits to the public**

|  |  |
| --- | --- |
| Yes |  |
| No |  |

**If Yes, please describe details of the action taken**

|  |
| --- |
|  |

**Work Plan for Expert Groups under PSC WG: EG Green ICT and EMF Exposure (EG GICT&EMF)**

**APPROVED WORK PLAN BY EXPERT GROUP GICT & EMF**

Tabulated below is the finalized work plan for EG GICT & EMF under the Working Group on Policy and Strategic Coordination (WG PSC) presented on Thursday, 9th March 2017 and subsequently approved by Plenary on 10th March 2017.

|  |  |
| --- | --- |
| **No** | GICT & EMF – 4 |
| **Title** | APT members’ status on the deployment of green or environment friendly ICT project |
| **Output Document Type** | Report |
| **Relevant EG** | EG GICT&EMF |
| **Editor(s)** | Mr. Ratnam N. A./ MTSFB, Malaysia  Mr. Nguyen Van Khoa/ MIC, Vietnam |
| **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" |
| **Related Organization** | APT members and affiliate members |
| **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 presentations  ASTAP-31: Update and present 2nd draft report  Finalize the report |