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| A picture containing text, clipart  Description automatically generated | **ASIA-PACIFIC TELECOMMUNITY** | **Document No:** |
| **The 34th APT Standardization Program Forum****(ASTAP-34)** | **ASTAP-34/OUT-19** |
| 18–22 April 2022, Virtual/Online Meeting | 22 April 2022 |

Chair, Working Group on Policy, Strategy and Coordination (PSC WG)

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

The meeting of PSC WG during the ASTAP 34 agreed to circulate a questionnaire to develop a status report of WI-4 of EG GICT& EMF which is on the member’s status on the deployment of green or environment friendly ICT project. The EG GICT&EMF develops the questionnaire and proposes it to be approved at a WG PSC and Closing plenary of ASTAP 34, thus it can be circulated to the member countries by APT secretariat.

**Section 1: Overview**

1. **Introduction**

During the ASTAP-34, it was agreed in collaboration with GICT & EMF EG Chair and participants involved in the meeting to circulate a set of questionnaires in support of ASTAP-34/INP-19 A Guideline on best practices and environment friendly policies for effective ICT development methods. In order to achieve this objective, these questionnaires are 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. **Rapporteur of the Questionnaire:**

Ratnam N.A, - EG GICT&EMF

1. **Meeting at which the Questionnaire was reviewed:**

The 34th APT Standardization Program Forum (ASTAP-34); 18th–22nd April 2022,

Virtual/Online Meeting

1. **Target Responder:**

APT Member states

1. **ICT Project Status Report:**

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

1. **Deadline for Responses:**

ASAP

**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 |  |
| 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 implementation?**

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

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

 **Please describe if more than one (1).**

|  |  |
| --- | --- |
| Type of Project |  |
| Intended Purpose |  |
| Usage |  |

|  |  |
| --- | --- |
| Type of Project |  |
| Intended Purpose |  |
| Usage |  |

|  |  |
| --- | --- |
| Type of Project |  |
| Intended Purpose |  |
| Usage |  |

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

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

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

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

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

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

 **PART C: ICT Project Cycle**

**1. In the following stages of the ICT Project implementation, were there green or eco-friendly elements incorporated?**

**Check (X) where applicable, possible for more than one (1)**

**(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 |  |

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

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

**PART D: Implementation Factors**

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

**Check (X) where applicable, possible for more than one (1)**

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

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

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

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

**Check (X) where applicable, possible for more than one (1)**

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

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

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

**PART E: Public Engagement**

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

 **Check (X) where applicable**

**(a) Public Awareness**

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

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

|  |
| --- |
|  |

**(b) Publications**

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

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

|  |
| --- |
|  |

**(c) Community Feedback**

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

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

|  |
| --- |
|  |

**(d) Benefits to the public**

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

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

|  |
| --- |
|  |