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|  | **Telecommunication DevelopmentAdvisory Group (TDAG)****32nd Meeting, Geneva, Switzerland, 12-16 May 2025** | A close up of a sign  Description automatically generated |
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|  | **Document** **TDAG-25/****16-E** |
|  | **2 April 2025** |
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| Chair, RPM Coordination Meeting |
| Report of the Chair of the RPM Coordination Meeting to TDAG |
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| **Summary:**This document provides the main conclusion of the WTDC-25 Regional Preparatory meetings. It addresses all the issues discussed during RPMs.**Action required:**TDAG is invited to note this document. **References:**RPM-ARB 2025/20, RPM-EUR 2025/30, RPM-ASP 2025/18(Rev.1) |

1. **Introduction**

In line with [Resolution 31 (Rev. Kigali, 2022](https://eur03.safelinks.protection.outlook.com/?url=https%3A%2F%2Furldefense.proofpoint.com%2Fv2%2Furl%3Fu%3Dhttps-3A__www.itu.int_dms-5Fpub_itu-2Dd_opb_res_D-2DRES-2DD.31-2D2022-2DPDF-2DE.pdf%26d%3DDwMGaQ%26c%3Dy0h0omCe0jAUGr4gAQ02Fw%26r%3DMPE_gbrnTOlKsMPgNKUMZftr1yA164NwLNBm0i_KU4E%26m%3Dcx-XelOOb3elFg6sdjT_wW-wQ9EkNFHufP2wVocuHJSC3dzFD8SI9FQLMyiHI6T6%26s%3Dhmui9fncNK0Uovf48WtObKF79Oc0KHAme1sM8DUN-Rc%26e%3D&data=05%7C02%7COnder.Cetinkaya%40itu.int%7C7f0d279cbadc4835ba5d08dd6be690ae%7C23e464d704e64b87913c24bd89219fd3%7C0%7C0%7C638785360522729418%7CUnknown%7CTWFpbGZsb3d8eyJFbXB0eU1hcGkiOnRydWUsIlYiOiIwLjAuMDAwMCIsIlAiOiJXaW4zMiIsIkFOIjoiTWFpbCIsIldUIjoyfQ%3D%3D%7C0%7C%7C%7C&sdata=hQV1SDzrwm07p%2Fjhw5SubsUqBBzRKJmlyQaFaBjpC4U%3D&reserved=0)) the RPM Coordination Meeting took place in view of the World Telecommunication Development Conference 2025 (WTDC-25) which will be held from 17 to 28 November 2025, in Baku, Azerbaijan.

RPM Coordination meeting looked at the results of the six RPMs that took place as follows:

| **Region** | **Dates** | **City and Host country**  | **Output documents** |
| --- | --- | --- | --- |
| RPM-ARB | 4-5 February 2025 | Amman, Jordan | [Report](https://www.itu.int/md/D22-RPMARB-C-0020/en) |
| RPM-EUR | 25-26 February 2025 | Budapest, Hungary | [Report](https://www.itu.int/md/D22-RPMEUR-C-0030/en) |
| RPM-ASP | 20-21 March 2025 | Bangkok, Thailand | [Report](https://www.itu.int/md/D22-RPMASP-C-0018/en) |
| RPM-AMS | 1-2 April 2025 | Asuncion, Paraguay | n/a at the time of preparation of this document |
| RPM-AFR | 8-9 April 2025 | Nairobi, Kenya | n/a at the time of preparation of this document |
| RPM-CIS | 24-25 April 2025 | Bishkek, Kyrgyzstan | n/a at the time of preparation of this document |

The outcome of each RPM followed the same structure and is detailed by region, in the chronological order in which the meetings took place.

1. **Conclusions from the Regional Preparatory Meetings for WTDC-25**
	1. **Arab Region**

RPM-ARB reviewed all input documents and elaborated on the draft Regional Initiatives for the region in the next cycle. Accordingly, the main highlights of the meeting include the following:

* H.E Dr. Nooh Alshyab was elected as the Chair of RPM-ARB. The meeting also endorsed the proposal for four Vice-Chairs Mr Muath S. Alrumayh, Kingdom of Saudi Arabia, Mr Abdulla Bin Khadiya, United Arab Emirates (UAE), Mr Fayçal Bayouli, Republic of Tunisia and Mr Ahmed Said, Republic of Egypt.
* RPM-ARB reviewed several documents, including:
	+ Document 2 on the implementation of the WTDC-22 Kigali Action Plan,
	+ Document 3 on the state of digital development and trends in the Arab States,
	+ Document 4 on the decisions of other ITU Conferences, Assemblies, and meetings related to ITU-D work,
	+ Document 8 on the progress of the TDAG Working Group on the ITU-D Priorities,
	+ Document 5 on the work of the TDAG Working Group on Future Study Group Questions,
	+ Document 7 on the progress of the TDAG Working Group on the WTDC Declaration, and Document 6 on the work of the TDAG Working Group on Streamlining Resolutions.
* The meeting discussed and took note of contributions from Membership regarding new regional initiatives, including enhancing emergency telecommunications, improving connectivity and broadband infrastructure for LDCs, developing a legal and regulatory framework for NTNs, strengthening regional and international cooperation, enhancing emergency telecommunications preparedness, and strengthening broadband mapping and visualization.
* The meeting invited membership to contribute financially and in-kind to the implementation of future Regional Initiatives and engage in the formulation of new Regional Initiatives to be adopted at WTDC-25

RPM-ARB agreed on the following draft Regional Initiatives:

1. Sector Specific Transformation: Sustainable Digital Futures

2. Infrastructure and connectivity

3. Fostering Economic Development and Digital Inclusion

4. Skills Development & Job Creation

5. Advancing Cyber Resilience in the Arab World

6. Innovation Ecosystems and Emerging Tech

* 1. **Europe**

RPM-EUR reviewed all input documents and elaborated on the draft Regional Initiatives for the region in the next cycle. Accordingly, the main highlights of the meeting include the following:

* Dr Péter Vári, Deputy Director-General, the National Media and Infocommunications Authority of Hungary, was elected as the Chair of RPM-EUR. The meeting also endorsed the proposal for three Vice-Chairs: Vice-Chairs: Mr Johann Gross from Germany, Ms Inga Rimkevičienė from Lithuania, and Mr Milan B. Radulović from Montenegro.
* RPM-EUR reviewed several documents, including:
	+ Document 2 on the implementation of the WTDC-22 Kigali Action Plan,
	+ Document 3 on the state of digital development and trends in Europe,
	+ Document 4 on the decisions of other ITU Conferences, Assemblies, and meetings related to ITU-D work,
	+ Document 8 on the progress of the TDAG Working Group on the ITU-D Priorities,
	+ Document 5 on the work of the TDAG Working Group on Future Study Group Questions,
	+ Document 7 on the progress of the TDAG Working Group on the WTDC Declaration,
	+ Document 6 on the work of the TDAG Working Group on Streamlining Resolutions.
* The meeting discussed and took note of contributions from various countries regarding new regional initiatives, including enhancing cybersecurity, promoting gender equality, advancing youth inclusion, improving emergency telecommunications, and fostering digital innovation ecosystems.

RPM-EUR agreed on the following draft Regional Initiatives:

**EUR1: Digital infrastructure development**: Objective of this initiative is to facilitate the attainment of universal and meaningful connectivity through resilient and synergistic infrastructure development and an enabling environment, ensuring ubiquitous coverage.

**Expected Results**:

Assistance to the countries in need in the following areas:

1. Development and updating of plans and feasibility studies for the deployment of ubiquitous resilient high-speed connectivity with all relevant components including legislation, standards, organizational set-up, capacity building and cooperation mechanisms, as needed.
2. Assessment of dynamics, challenges and opportunities in respect of the rollout of resilient high-speed connectivity to inform best practice sharing on the various above-mentioned aspects through the organization of regional workshops, conferences or webinars.
3. Rehabilitation and rebuilding of telecommunication/ICTs infrastructure in countries affected by natural hazards or human-induced crises, to ensure digital resilience for all.
4. Providing national or regional platforms for building capacities in the field of universal and meaningful connectivity, including enabling environment and collaborative regulation between the telecommunication sector and other synergistic sectors such as energy, railway and transportation.
5. Mapping of ubiquitous infrastructure and services, fostering harmonization of approaches across the region and taking into account infrastructure-sharing approaches applied by countries, including the development of broadband mapping systems for broadband networks and related facilities and promoting innovative solutions for meaningful connectivity.
6. Initiatives on the wider deployment of broadband information and communication technology (ICT) services and contributing to environmental sustainability.

**Implementation of this Regional Initiative will contribute to WSIS, GDC, SDGs:**

|  |  |
| --- | --- |
| **Process** | **Focus Area** |
| [WSIS Action Lines](https://www.itu.int/net/wsis/docs/geneva/official/poa.html)  | C1, C2, C6, C11  |
| [Global Digital Compact](https://www.un.org/global-digital-compact/sites/default/files/2024-09/Global%20Digital%20Compact%20-%20English_0.pdf)  | Objective 1. Close all digital divides and accelerate progress across the Sustainable Development Goals  |
| [Sustainable Development Goals](https://sdgs.un.org/goals) | SDG9  |

**EUR2: Digital transformation for resilience:** Objective of this initiative is to facilitate the digitalization processes of services in different sectors (e.g. agriculture, health, government, education), including those of public administrations, in order to ensure greater resilience in responding to critical situations, including the challenges of pandemics, natural hazards or human-introduced crises.

**Expected Results**:

Assistance to the countries in need in the following areas:

1. Creating an experience- and knowledge-exchange platform between countries.
2. Developing technical and service infrastructure as well as capacity building within the national administrations and institutions.
3. Strengthening the emergency preparedness in the case of natural hazards or human introduced crises, including through special initiatives, such as Support to Western Balkans on Emergency Warning Systems, aiming at roll-out of cell broadcast systems in concerned countries.
4. Building the capacities necessary for accelerating the digitalization process, through the development of national strategies and dedicated programmes, including the cross-sectorial actions in support of the digitalization of different sectors of economy.
5. Raising public trust in and successful development/uptake of e-government services and digitalization processes while avoiding digital exclusion through inter-alia digital literacy.

**Implementation of this Regional Initiative will contribute to WSIS, GDC, SDGs:**

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| --- | --- |
| **Process**  | **Focus Area**  |
| [WSIS Action Lines](https://www.itu.int/net/wsis/docs/geneva/official/poa.html)  | C1, C7, C11  |
| [Global Digital Compact](https://www.un.org/global-digital-compact/sites/default/files/2024-09/Global%20Digital%20Compact%20-%20English_0.pdf)  | Objective 4. Advance responsible, equitable and interoperable data governance approaches Objective 5. Enhance international governance of artificial intelligence for the benefit of humanity  |
| [Sustainable Development Goals](https://sdgs.un.org/goals) | SDG2, SDG3, SDG4, SDG9, SDG 11 |

**EUR3: Digital inclusion and skills development:** Objective of this initiative is to facilitate equitable access to information and communication technologies (ICTs) and necessary digital skills for all groups of society, including persons with disabilities and persons with specific needs, as well as women and youth, in order to take advantage of telecommunications/ICTs.

**Expected Results**:

Assistance to the countries in need in the following areas:

1. Leveraging digital accessibility for persons with disabilities and persons with specific needs as a priority for the countries, and supporting them through the creation and updating of strategies and policies, taking into account regional or global standards, building capacity , fostering application of innovative approaches, monitoring the implementation of digital accessibility, and creating new partnerships or strengthening existing ones such as ''Accessible Europe – ICT for All''.
2. Improving gender equality in all groups in the telecommunication/ICT sector and beyond by providing opportunities for collaboration, skills enhancement, maximizing impact and supporting the setting up of new projects and the scaling up of successful ongoing projects.
3. Meaningful empowerment, engagement and participation of youth in the telecommunication/ICT sector and beyond leading towards the creation of new career schemes and opportunities.
4. Assessment of national and regional approaches for digital-skills development, elaboration of national and regional strategies or action plans, development of necessary digital skills, knowledge and literacy programmes, and providing support for educators.
5. Building and/or strengthening partnerships with the private sector, regional and subregional organizations, United Nations system organizations, academia and other possible stakeholders for the benefit of digital inclusion in the European region and globally.

**Implementation of this Regional Initiative will contribute to WSIS, GDC, SDGs:**

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| **Process**  | **Focus Area**  |
| [WSIS Action Lines](https://www.itu.int/net/wsis/docs/geneva/official/poa.html)  | C1, C3, C4, C11  |
| [Global Digital Compact](https://www.un.org/global-digital-compact/sites/default/files/2024-09/Global%20Digital%20Compact%20-%20English_0.pdf)  | Objective 2. Expand inclusion in and benefits from the digital economy for all  |
| [Sustainable Development Goals](https://sdgs.un.org/goals) | SDG4, SDG5, SDG8, SDG10  |

**EUR4: Trust and confidence in the use of telecommunications/ information and communication technologies**: Objective of this initiative is to support the deployment of resilient infrastructure and secure telecommunications/ICTs allowing all citizens, especially children, to use telecommunications/information and communication technologies (ICTs) in their daily lives with confidence.

**Expected Results:**

Assistance to the countries in need in the following areas:

1. Providing platforms and tools for building human capacities to enhance trust and confidence in the use of telecommunications/ICTs, including establishing strengthened approaches to cybersecurity capacity building for European countries with a cross-sectoral cybersecurity-skills curriculum and guidelines promoting related skills.
2. Sharing best practices and case studies, conducting surveys on confidence and trust in the use of ICTs, including training, and creating other opportunities for sharing knowledge and experience.
3. Elaboration or reviewing national cybersecurity strategies that promote multistakeholder engagement and facilitate secure adoption of new and emerging telecommunication/ICT services and technologies.
4. Setting up or improving the capabilities of national computer security incident response teams (CSIRTs) and the corresponding networks to support these CSIRTs in cooperating with each other.
5. Conducting simulation or educational exercises such as cyberdrills or other events at the national and regional levels in cooperation with international and regional organizations.
6. Creating a safer online environment for children and young people through raising awareness and education about cybersecurity, implementation and promotion of the Guidelines on Child Online Protection and other educational resources, encouraging stakeholders to identify risks and vulnerabilities for children in cyberspace.

**Implementation of this Regional Initiative will contribute to WSIS, GDC, SDGs:**

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| **Process**  | **Focus Area**  |
| [WSIS Action Lines](https://www.itu.int/net/wsis/docs/geneva/official/poa.html)  | C1, C5, C11 |
| [Global Digital Compact](https://www.un.org/global-digital-compact/sites/default/files/2024-09/Global%20Digital%20Compact%20-%20English_0.pdf)  | Objective 3. Foster an inclusive, open, safe and secure digital space that respects, protects and promotes human rights |
| [Sustainable Development Goals](https://sdgs.un.org/goals) | SDG9, SDG16 |

**EUR5: Digital innovation ecosystems:** Objective of this initiative is to foster environments that are conducive to innovation and entrepreneurship through systemic approaches based on digital telecommunications/information and communication technologies (ICTs), aimed at closing the growing digital innovation divide in the region.

**Expected Results**

Assistance to the countries in need in the following areas:

1. National digital innovation strategies and policies, country profiles and reviews, and sectoral innovation assessments to provide an accurate assessment of digital innovation gaps.
2. Conduct trend research readiness and foresight studies to support countries in navigating the changing environment.
3. Capacity-building and knowledge-sharing platforms such as regional innovation forums, open innovation competitions and ecosystem development training to empower stakeholders.
4. Ecosystem-building initiatives and projects developed in line with the Regional Initiative Accelerator Framework such as technology sandboxes and programmes supporting tech start-ups and entrepreneurship to create concrete impact.
5. Promoting multistakeholder and multisectoral partnerships between and within different ecosystems, for sustainability and scale-up.
6. Fostering inclusion by sharing, twinning best practices and connecting different ecosystems, with special attention to gender and youth.

**Implementation of this Regional Initiative will contribute to WSIS, GDC, SDGs:**

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| --- | --- |
| **Process**  | **Focus Area**  |
| [WSIS Action Lines](https://www.itu.int/net/wsis/docs/geneva/official/poa.html)  | C1, C4, C5, C7, C6, C11  |
| [Global Digital Compact](https://www.un.org/global-digital-compact/sites/default/files/2024-09/Global%20Digital%20Compact%20-%20English_0.pdf)  | Objective 2. Expand inclusion in and benefits from the digital economy for all  |
| [Sustainable Development Goals](https://sdgs.un.org/goals) | SDG9  |

* 1. **Asia and the Pacific**

RPM-ASP reviewed all input documents and elaborated on the draft Regional Initiatives for the region in the next cycle. Accordingly, the main highlights of the meeting include the following:

* Mr. Saneh Saiwong was elected as the Chair of RPM-ASP. The meeting also endorsed the proposal for three Vice-Chairs: Ms Tupou’tuah Baravilala from Fiji, Mr Avinash Agrawal from India, and Mr Sri Sunardi from Indonesia.
* RPM-ASP reviewed several documents, including:
	+ Document 2 on the implementation of the WTDC-22 Kigali Action Plan,
	+ Document 3 on the state of digital development and trends in Asia and the Pacific,
	+ Document 4 on the decisions of other ITU Conferences, Assemblies, and meetings related to ITU-D work,
	+ Document 8 on the progress of the TDAG Working Group on the ITU-D Priorities,
	+ Document 5 on the work of the TDAG Working Group on Future Study Group Questions,
	+ Document 7 on the progress of the TDAG Working Group on the WTDC Declaration, and
	+ Document 6 on the work of the TDAG Working Group on Streamlining Resolutions.
* The meeting discussed and took note of contributions from various countries regarding new regional initiatives. The proposals included innovative financing mechanisms for ICT infrastructure projects, capacity-building programs for digital skills, and AI-driven disaster management. Other contributions proposed initiatives to support LDCs in the Asia-Pacific region, focusing on meaningful connectivity, broadband infrastructure and enabling digital innovation ecosystem.

RPM-ASP agreed on the following draft Regional Initiatives:

**ASP1**: **Addressing special needs of Least Developed Countries, Small Island Developing States, including Pacific Island countries, and Landlocked Developing Countries**

**Objective**: To provide special assistance to Least Developed Countries (LDCs), Small Island Developing States (SIDS), including Pacific Island countries, and Landlocked Developing Countries (LLDCs) to assist delivering their telecommunication/information and communication technology (ICT) priorities.

**Expected Results:**

1. Development of policy and regulatory frameworks for broadband infrastructure, ICT applications and cybersecurity, taking into account the special needs of LDCs, SIDS, including Pacific Island countries, and LLDCs.
2. Development of human capacity for addressing future telecommunication/ICT policy and regulatory challenges.
3. Promotion of affordable resilient, universal, and meaningful broadband access in LDCs, SIDS, including Pacific Island countries, and LLDCs, in particular for remote communities.
4. Assistance to LDCs, SIDS, including Pacific Island countries, and LLDCs in deploying telecommunication/ICT applications in disaster management relating to disaster prediction, preparedness, adaptation, monitoring, mitigation, response, rehabilitation and recovery of telecommunication/ICT networks based on their priority needs.
5. Assistance to LDCs, SIDS, including Pacific Island countries, and LLDCs in their efforts to achieve internationally agreed goals, such as the 2030 Agenda for Sustainable Development, the Sendai Framework for Disaster Risk Reduction, the Istanbul Programme of Action for LDCs, the Antigua and Barbuda Agenda for SIDS and the Vienna Programme of Action for LLDCs.

**ASP2: Harnessing telecommunications/ICTs to support inclusive and sustainable digital transformation**

**Objective**: To assist Member States to use ICTs and emerging technologies for inclusive and sustainable digital transformation by building human and institutional capacity, bridging digital divides, improving and expanding digital skills, reducing the gender gap, and assisting groups who may be in vulnerable situations.

**Expected Results:**

1. Development of policies, strategies and guidelines to support effective and sustainable digital transformation in the public and private sectors, including those that support transition to digital government and the use of emerging telecommunication/ICTs.
2. Establishment and annual updating of a repository of all work done within ITU relating to the digital transformation since the World Telecommunication Development Conference (Kigali, 2022).
3. Acceleration of digital infrastructure readiness through the timely deployment of appropriate infrastructure and platforms that underpin the delivery of telecommunication/ICT services to improve the delivery of value-added services in areas such as health, education, climate change and environment, agriculture, and financial services. In this process, diversified funding channels, including economic recovery funds and resources of development banks, can be utilized.
4. Development of cross-sectoral national/regional programmes on digital literacy, digital and ICT skills, and digital inclusion to support the participation of all in digital transformation, develop skilled telecommunication/ICT workforces, and increase demand for telecommunication/ICT services. These programmes should also take into account groups who may be in vulnerable situations.
5. Development of human capacity to bridge the standardization gap, including collaboration with the ITU-T Sector and other standards-development organizations.
6. Enhancement of international cooperation related to new and emerging technologies pertaining to telecommunication/ICT to ensure that all countries can benefit from digital transformation and contribute to the global value chain.

**ASP3**: **Fostering development of infrastructure to enhance digital connectivity and connecting the unconnected**

**Objective**: To assist Member States in developing telecommunication/ICT infrastructure to facilitate the provision of affordable and meaningful services and applications and to connect the unconnected.

**Expected Results:**

1. Migration/transition of analogue networks to appropriate digital networks, application of affordable wired and wireless technologies (including interoperability of ICT infrastructure) and optimized use of the digital dividend.
2. Maximized use of new and emerging technologies for the development of communication networks, such as 5G.
3. Development of capacity to review and revise, if necessary, the existing national broadband objectives, with a view to providing broadband access to unserved and underserved areas, in particular to remote communities; promote affordable broadband access for all, especially for groups who may be in vulnerable situations3; to develop and use universal service funds effectively; and to develop financially and operationally sustainable business models.
4. Promotion of Internet exchange points (IXPs) and community-centred connectivity initiatives as long-term solutions to advance connectivity and deployment of IPv6-based networks and applications and facilitation of the transition from IPv4 to IPv6.
5. Strengthened capacity to implement conformance and interoperability (C&I) procedures and facilitating the establishment of common regional/subregional C&I regimes (including the adoption and implementation of mutual recognition arrangements).
6. Increased capability to address spectrum-management issues, including radio-frequency planning, spectrum redeployment, enhancement of spectrum-monitoring systems, and facilitation of the implementation of decisions of world radiocommunication conferences.
7. Enhancement of skills for the development and use of terrestrial and non-terrestrial network services.
8. Enhancement of regional telecommunication/ICT connectivity and strengthening of cooperation with international/regional organizations in programmes such as the AsiaPacific Information Superhighway.

**ASP4**: **Enabling an innovative and sustainable telecommunication/ICT sector**

**Objective**: To assist Member States in developing appropriate policy and regulatory frameworks that foster innovation, investment and sustainability across the telecommunications/ICT sector, by way of enabling ICT-centric innovation and the growth of start-ups and micro, small and medium enterprises (MSME), while also addressing the need for sustainability.

**Expected Results:**

1. Development of enabling policy and regulatory environments and sharing of best practices to encourage innovation, entrepreneurship and investment in the telecommunication/ICT sector.
2. Formulation and review of telecommunication/ICT strategies, national programs, policies and regulatory frameworks that identifies entry barriers and supports the entry, growth and connectivity of start-ups and MSMEs facilitates digital transformation, and enables the adoption of new and emerging telecommunications/ICT.
3. Development of an enabling environment that supports start-ups and MSMEs for local design and manufacturing of telecommunication/ICT equipment and enhances awareness and capacity building in Intellectual Property Rights (IPRs) protection.
4. Promotion and sharing of practices to support ICT-centric innovation, including but not limited to innovation hubs, incubators, accelerators, and mentoring programs, by, inter alia, leveraging ITU Innovation and Acceleration Centres.
5. Development of strategic frameworks and enhancement of capacity to support research and development activities, including in relation to emerging telecommunications/ICTs, and development of products.
6. Development of national digital innovation strategies and policies, and the promotion of multistakeholder and multisectoral partnerships to create an innovative, meaningful and sustainable telecommunication/ICT sector.

**ASP5**: **Supporting a safe, secure, and resilient telecommunication/ICT environment**

**Objectives**: To assist Member States in developing and maintaining safe, secure, trusted and resilient telecommunication/ICT networks and services, and addressing challenges related to climate change and the management of disasters and emergencies.

**Expected Results:**

1. Compilation of national/regional cybersecurity strategies, establishment of national/regional cybersecurity capabilities such as computer incident response teams, and sharing of good practices to nurture a culture of cybersecurity.
2. Strengthened institutional cooperation and coordination among key actors and stakeholders at the national, regional and global levels (including through organizing cyberdrills) and enhancing the capacity to address issues related to cybersecurity.
3. Development of cross-sectoral programmes on building cyber hygiene and cyber literacy skills for individuals and businesses, to promote confidence in the use of telecommunication/ICT.
4. Development of National Emergency Telecommunication Plans and telecommunication/ICT-based initiatives for disseminating early warnings, timely disaster response and other humanitarian assistances in disasters and emergencies.
5. Incorporation of disaster-resilient features in telecommunication networks and infrastructure, and development oftelecommunication/ICT-based solutions (including the use of wireless and satellite-based technologies) to enhance network resilience.
6. Development of standards-based monitoring and early-warning systems linked to national and regional networks, and enhanced use of active and passive terrestrial/space-based sensing systems for disaster prediction, detection and mitigation.
7. Promotion of guidelines and best practices for safe telecommunication/ICTs to support and protect consumers, including on issues related to spam, online fraud, caller identification spoofing, counterfeit devices, and mobile device theft.
8. Formulation of comprehensive strategies and measures to help mitigate and address the devastating effects of climate change.
9. Development of comprehensive e-waste management policies, regulations, national action plans and strategies to support a sustainable circular economy.
10. Strengthened capabilities to develop and implement environmentally sustainable telecommunications/ICTs policies, regulations and strategies, and sharing best practices and innovations in greenhouse gasses reduction and energy efficiency across sectors, including but not limited to, health, education, environment, agriculture, government and financial services.

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