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|  | INTERNATIONAL TELECOMMUNICATION UNION  **TELECOMMUNICATION STANDARDIZATION SECTOR**  STUDY PERIOD 2022-2024 | | TSAG-TD656 |
| TSAG |
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| **TD** | | | |
| **Source:** | | TSB | |
| **Title:** | | UNGA Resolution 78/287 “International Year of Quantum Science and Technology, 2025” | |
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| **Abstract:** | This TD contains information on the International Year of Quantum Science and Technology, 2025. |

2025 marks the 100th anniversary of the development of quantum mechanics and on 7 June 2024, the UN General Assembly declared it as the International Year of Quantum Science and Technology (IYQ) in [UNGA Resolution 78/287](https://www.undocs.org/Home/Mobile?FinalSymbol=A%2FRES%2F78%2F287&Language=E&DeviceType=Desktop&LangRequested=False).

Key points of the Resolution:

– **Proclamation:** 2025 is designated as the International Year of Quantum Science and Technology

– **Lead agency:** UNESCO

– **Objectives:** Increasing public awareness on the importance of quantum science and its applications; enhancing scientific cooperation among research institutions, researchers and innovators in quantum science and technology; and ensuring a focus on the application of quantum science and technology for sustainable development

– **Participation:** UN Member States, UN specialized agencies and their members, observers of the General Assembly, organizations within the UN system, other international and regional organizations, academia, civil society, the private sector and other relevant stakeholders are encouraged to observe 2025 as the IYQ

NOTE: This follows past UNESCO recognition of scientific fields e.g., the International Year of Light and Light-based Technologies (2015).

**Implementation and sponsorship:**

The IYQ will be executed through two tracks:

– **Global activities/events:** Organized by the Steering Committee, these include the opening and closing ceremonies and other flagship events (TBD).

– **Independent activities:** Organized independently by various global organizations under the IYQ banner. These events will be promoted and given visibility on the official IYQ page.

Financial contributions to the IYQ will fund global events and activities. More information is available at: <https://quantum2025.org/en/sponsor/>.

Funding for individual events will be the responsibility of the respective organizing entities.

**Governance structure:**

**1.** **Steering Committee:** Guides the implementation of IYQ, plans IYQ global events and oversees expenditure related to IYQ.

**Co-chairs:** Sir Peter Knight FRS, Imperial College London

Rosario Fazio, International Centre for Theoretical Physics (ICTP)

**Roles:** Guide the implementation of IYQ, plan global events ensuring their alignment with the IYQ objectives, determine and oversee branding and media campaign strategies.

**2. Secretariat:** Led by UNESCO with support from the American Physical Society, provides administrative support.

**3. Advisory board:** Provides technical advice and guidance to the Steering Committee.

**ITU’s role and opportunities for engagement:**

– Steering Committee participation and contribution to global IYQ events: Gillian Makamara (TSB) has been appointed as ITU’s representative to the Steering Committee.

– Secretariat support, if needed, with the scope and degree of support to be defined.

– Organization of individual events under the IYQ banner, contributing to the global celebration and awareness efforts.

**Scheduled global events:**

Opening ceremony: 4 February 2025 at UNESCO HQ in Paris, France.

General information on other events will be available at: <https://quantum2025.org>.

**Action for TSAG:**

TSAG is invited to note this information and to encourage the ITU-T membership to participate in the International Year of Quantum Science and Technology. For more information or enquiries on participation, please contact Gillian Makamara (TSB) via [quantum@itu.int](mailto:quantum@itu.int).

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