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|  | INTERNATIONAL TELECOMMUNICATION UNION**TELECOMMUNICATIONSTANDARDIZATION SECTOR**STUDY PERIOD 2025-2028 | TSAG-TD20 |
| TSAG |
| Original: English |
|  |  | Geneva, 26-30 May 2025 |
| **TD** |
| **Source:** | Chair, ITU-T Study Group 2 |
| **Title:** | ITU-T SG2 Lead Study Group Report |
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| **Abstract:** | This TD contains the report on ITU-T Study Group 2 (SG2) lead study group activities. |

1. **Introduction & Background**

According to WTSA Resolution 2 (Rev. New Delhi, 2024), SG2 is the lead study group on:

* numbering, naming, addressing and identification
* administration of international numbering, naming, addressing and identification resources
* routing and interworking
* number portability and carrier switching
* operational aspects of telecommunication/ICT capabilities and applications
* telecommunication/ICT service definition
* telecommunications/ICTs for disaster relief/early warning, network resilience and recovery
* emergency services provision, definition and deployment
* telecommunication/ICT management
* operational aspects of identity management
* operational aspects of Internet of Things identification

To execute these responsibilities, SG2 has successfully held one meeting so far during the 2025-2028 Study Period (5-14 February 2025), in addition to ongoing interim virtual activities. (For the complete schedule of planned interim activities, refer to Table 8 of the last SG2 meeting report at [SG2-R1](https://www.itu.int/md/T25-SG02-R-0001/en).) SG2 will next hold a one-day decisional plenary on 5 September 2025 (refer to TSB Collective Letter 2/2), with the next full SG2 meeting scheduled for 2-11 February 2026.

SG2 has a robust programme of active ongoing work items to progress all its lead study group roles. (For the SG2 work programme, see [SG2-TD14R1/PLEN](https://www.itu.int/md/T25-SG02-250205-TD-PLEN-0014/en)).

1. **Recent SG2 Outcomes**

At its recent meeting, in support of its lead study group roles, SG2 approved two Recommendations and determined four Recommendations under TAP, consented ten Recommendations under AAP, deleted one Recommendation, and approved one new Technical Report, as summarized below. (For complete details, please refer to the meeting report at [SG2-R1](https://www.itu.int/md/T25-SG02-R-0001/en).)

1. **Approved Recommendations:**

| Rec. # | Rec. title | Document(s) |
| --- | --- | --- |
| E.190 | Principles and responsibilities for the allocation, reservation, assignment, reclamation and management of international telecommunications Numbering, Naming, Addressing, and Identification (NNAI) resources | [SG2-TD89R1/P](https://www.itu.int/md/T25-SG02-250205-TD-PLEN-0089/en) |
| E.1120 | Assignment procedures for international numbering, naming, addressing, and identification (NNAI) resources | [SG2-TD88R2/P](https://www.itu.int/md/T25-SG02-250205-TD-PLEN-0088/en) |

1. **Recommendations determined under TAP:**

|  |  |  |
| --- | --- | --- |
| Rec. # | Rec. title | Document(s) |
| E.118 | Numbering resources to identify Accounts for charging telecommunication services | [SG2-R4](https://www.itu.int/md/T25-SG02-R-0004/en) |
| E.156 | Guidelines for ITU-T action on reported misuse of ITU-T E.164 number resources | [SG2-R5](https://www.itu.int/md/T25-SG02-R-0005/en) |
| E.164 | The international telecommunication numbering plan | [SG2-R6](https://www.itu.int/md/T25-SG02-R-0006/en) |
| E.371 (ex. E.dit) | Deemed impermissible traffic  | [SG2-R7](https://www.itu.int/md/T25-SG02-R-0007/en) |

1. **Recommendations consented under AAP:**

| Rec. # | Rec. title | Documents |
| --- | --- | --- |
| M.3042(M.fcnhe) | Framework of communication network health evaluation | [SG2-TD119R2/PLEN](https://www.itu.int/md/T25-SG02-250205-TD-PLEN-0119/en) |
| M.3389(M.rcem-AI) | Requirements for AI-based customer experience management of telecom services | [SG2-TD123R1/PLEN](https://www.itu.int/md/T25-SG02-250205-TD-PLEN-0123/en) |
| M.3390(M.rsca) | Requirements for smart comprehensive analysis within AITOM | [SG2-TD124R1/PLEN](https://www.itu.int/md/T25-SG02-250205-TD-PLEN-0124/en) |
| M.3391 (M.rsmti-uav) | Requirements for smart maintenance of telecommunications infrastructure based on unmanned aerial vehicle | [SG2-TD125R1/PLEN](https://www.itu.int/md/T25-SG02-250205-TD-PLEN-0125/en) |
| M.3167.1(M.rosp-ir) | Interface for robot-based on-site smart patrol of telecommunication networks - Protocol neutral requirements | [SG2-TD103/PLEN](https://www.itu.int/md/T25-SG02-250205-TD-PLEN-0103/en) |
| M.3370(M.tpmto) | Telecommunication preventive maintenance task - Overview | [SG2-TD127R2/PLEN](https://www.itu.int/md/T25-SG02-250205-TD-PLEN-0127/en) |
| M.3411(M.uiamr) | User identity and access management requirements for telecommunications management network | [SG2-TD120R1/PLEN](https://www.itu.int/md/T25-SG02-250205-TD-PLEN-0120/en) |
| M.3110.1(M.xrmsnr-ir) | X-interface for management of shared network resources - Protocol neutral requirements | [SG2-TD101R2/PLEN](https://www.itu.int/md/T25-SG02-250205-TD-PLEN-0101/en) |
| M.3111.1(M.tosiep-ir) | X interface for telecom operation system and internet e-commerce platform - Protocol neutral requirements | [SG2-TD102R2/PLEN](https://www.itu.int/md/T25-SG02-250205-TD-PLEN-0102/en) |
| M.3392(M.rsds) | Requirements for telecommunications service design within SOMM | [SG2-TD126R1/PLEN](https://www.itu.int/md/T25-SG02-250205-TD-PLEN-0126/en) |

1. **Recommendations to be deleted:**

| Rec. # | Rec. title | Document |
| --- | --- | --- |
| ITU-T E.213 | Telephone and ISDN numbering plan for land mobile stations in public land mobile networks (PLMN) | N/A |

1. **Technical reports agreed:**

| Rec. # | Technical report title | Documents |
| --- | --- | --- |
| TR.MMWF | Methodologies to mitigate Wangiri fraud  | [SG2-TD67R1/P](https://www.itu.int/md/T25-SG02-250205-TD-PLEN-0067/en) |

1. **Administration of International Numbering, Naming, Addressing, and Identification (NNAI) Resources**

Consistent with SG2’s lead role for the administration of international NNAI resources, the Numbering Coordination Team (NCT) continues to meet monthly to fulfil its duties in line with the processes and procedures described in Recommendation ITU-T E.1120.

For the report on numbering issues, including NCT activities, from the period June 2024-January 2025, please see [SG2-TD36R1/PLEN](https://www.itu.int/md/T25-SG02-250205-TD-PLEN-0036/en). Note that, with respect to section 12 (other items for SG2 consideration) and the reference to “military use cases” and use of numbering resources in war zones, SG2 has called for contributions to consider whether changes to the assignment criteria are necessary.

Regarding numbering issues, at its last meeting, SG2 also agreed to advise the TSB Director to:

* Not assign resources under E.164 country code (CC) +881 until the conclusion of the work on draft revised Rec. ITU-T E.164.1 (aimed at developing the necessary assignment criteria for the use of CC +881 for Global Mobile Satellite System operators).
* Redesignate E.164 CC +883 as “IoT/M2M,” and send a note to all current assignees of CC +883 idenfication codes (ICs) to inform them of this change, making it clear that this amendment does not impact any current assignment of numbering resources from this range.
* Grant permission to assignee PhoneGroup (if requested) for purposes of a forthcoming demonstration by WGT (World’s Global Telecom), to showcase the intended service reflected in their pending application for shared E.164 and E.212 numbering resources.
1. **Coordination with Other Study Groups (including WTSA Follow-Up)**

SG2 has taken a positive, proactive approach towards coordination with other Study Groups:

1. **Coordination with ITU-T SG20:** WTSA-24 instructed SG2 and SG20 “to establish a joint coordination or agreement mechanism between the study groups to determine a demarcation line for IoT identification and NNAI aspects, and report to TSAG” (see [WTSA Action [39A1/1]](https://www.itu.int/md/T22-WTSA.24-241015-TD-GEN-0106/en)). In support of this action item, SG20 sent a liaison statement to SG2 proposing a joint correspondence group on IoT identification and NNAI aspects (TSAG-TD47). SG2 considered this proposal but identified several challenges for its successful execution; therefore, rather than a correspondence group, SG2 sent a reply liaison to SG20 suggesting a series of three virtual joint meetings between Q1/2 and Q6/20 (the relevant Questions), contained in [TSAG-TD62](https://www.itu.int/md/T25-TSAG-250526-TD-GEN-0062/en) ([SG2-TD103/G](https://www.itu.int/md/T25-SG02-250205-TD-GEN-0103/en)). To make continued progress, the SG2 Chair also followed up with the SG20 Chair directly to flag this liaison statement and suggest concrete dates/times for the proposed series of joint meetings. The SG20 Chair has advised that SG20 could not move forward with any next steps until the next SG20 meeting.
2. **Coordination with ITU-T SG3:** At its last meeting, TSAG considered [TSAG-TD634](https://www.itu.int/md/T22-TSAG-240729-TD-GEN-0634/en), a liaison statement from SG3 to SG2 proposing a joint working party (JWP) on OTT definitions; TSAG noted this for information, given that SG2 had not yet met to have the opportunity to consider the proposal. SG2 has since considered this incoming liaison statement from SG3 and has sent a reply, contained in [TSAG-TD61](https://www.itu.int/md/T25-TSAG-250526-TD-GEN-0061/en) ([SG2-TD102/GEN](https://www.itu.int/md/T25-SG02-250205-TD-GEN-0102/en)). This LS/o/r explains the substantive and procedural challenges with the JWP originally proposed by SG3 and instead suggests a virtual joint meeting between Q3/2 and Q9/3 (the relevant Questions), to more efficiently and effectively achieve the same underlying goals motivating the original proposal. As of the submission of the present report, SG2 is awaiting the response from the next SG3 meeting (8-17 April 2025).

Regarding instructions from WTSA-24, we take note of TSAG-TD10 (Action plan related to the Resolutions and Opinion of WTSA); moving forward, SG2 remains committed to carrying out all duties assigned to the study groups by WTSA Resolutions, *e.g.*, new WTSA Resolution 108, “Strategic planning in ITU Telecommunication Standardization Sector,” which instructs ITU-T study groups to actively participate in the ITU-T strategic planning process.

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