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| ITU logo | INTERNATIONAL TELECOMMUNICATION UNION  **TELECOMMUNICATION STANDARDIZATION SECTOR**  STUDY PERIOD 2017-2020 | | | TSAG-TD1193 |
| **TSAG** |
| **Original: English** |
| **Question(s):** | | N/A | | E-Meeting, 10-17 January 2022 |
| **TD (Ref.:** [SG2-LS245](http://handle.itu.int/11.1002/ls/sp16-sg2-oLS-00245.docx)) | | | | |
| **Source:** | | ITU-T Study Group 2 | | |
| **Title:** | | LS on ITU-T SG2 lead study group activities (June – November 2021) [from ITU-T SG2] | | |
| **Purpose:** | | Information | | |
| **LIAISON STATEMENT** | | | | |
| **For action to:** | | | - | |
| **For comment to:** | | | - | |
| **For information to:** | | | TSAG | |
| **Approval:** | | | ITU-T Study Group 2 management (3 January 2022, by correspondence) | |
| **Deadline:** | | | N/A | |
| **Contact:** | | | Phil Rushton UK | Tel: +44 1206 729738 E-mail: [philrushton@rcc-uk.uk](mailto:philrushton@rcc-uk.uk) |

A new liaison statement has been received from SG2.

This liaison statement follows and the original file can be downloaded from the ITU ftp server at <http://handle.itu.int/11.1002/ls/sp16-sg2-oLS-00245.docx>.

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| **STUDY GROUP 2** | |
| **Original: English** | |
| **Question(s):** | | All/2 | |  | |
| **(Ref.:** [**SG2-TD1511/GEN**](https://www.itu.int/md/T17-SG02-211108-TD-GEN-1511/en)**)** | | | | | |
| **Source:** | | ITU-T Study Group 2 | | | |
| **Title:** | | LS on ITU-T SG2 lead study group activities (June – November 2021) | | | |
| **LIAISON STATEMENT** | | | | | |
| **For action to:** | | | - | | |
| **For comment to:** | | |  | | |
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| **Approval:** | | | ITU-T Study Group 2 management (3 January 2022, by correspondence) | | |
| **Deadline:** | | | N/A | | |
| **Contact:** | | | Phil Rushton UK | | Tel: +44 1206 729738 E-mail: [philrushton@rcc-uk.uk](mailto:philrushton@rcc-uk.uk) |

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| --- | --- |
| **Keywords:** | Numbering, Naming, Identifiers, Services, Routeing, Telecommunications Management, Fraud Management. |
| **Abstract:** | This liaison contains the report of the ITU-T SG2 on lead study group activities from June to November 2021. |

# Background

According to Resolution 2 of WTSA-16, ITU-T SG2 is the lead study group on:

– Lead study group on numbering, naming, addressing, identification and routing

– Lead study group on service definition

– Lead study group on telecommunications for disaster relief/early warning, network resilience and recovery

– Lead study group on telecommunication management

# Report of ITU-T SG2 on lead study group activities (June to November 2021)

## 2.1 Allocation of Global Resources

These resources are assigned by the Director of the TSB in accordance with the criteria detailed in the relevant ITU-T Recommendations that are under the responsibility of ITU-T SG2. These criteria are both service based and network based.

The activity in support of allocations for service based allocations, for the period between SG2 meetings (28 May 2021 – 20 October 2021), is as follows:

|  |  |
| --- | --- |
| **Number of processed requests for UIFN =**  (A) - Number of Assigned and implemented UIFN = 88  (C) - Number of Cancelled UIFN = 7  (D) - Number of Disconnected UIFN = 112  (M) - Number of Modified UIFN’s Details = 45  (O) - Number of UIFN Operated by a secondary operator = 63  (X) - Number of UIFN Disconnected by a secondary operator = 12  (R) - Number of Reserved UIFN = 94  (S) - Number of Temporary Reserved UIFN = 28  (Y) + (Z) - Number of Transferred UIFN to another ROA = 56 | **505** |
| **Number of processed requests for Universal International Premium Rate Number** | **0** |
| **Number of processed requests for Universal International Shared Cost Number** | **0** |
| **Number of processed requests for ITU International Network Designator ATM End System Address** | **0** |

In addition, the following applications for global NNAI resources were received and their status is given below:

Applications for E.164 and E.212 shared codes – Assigned

The TSB Director has made the following assignments, following advice provided by the Numbering Co-ordination team (NCT):

|  |  |  |  |
| --- | --- | --- | --- |
| **Applicant** | **Request/Application** | **Assigned/extended code** | **Assignment date** |
| Orange | Request for one year extension for the E.212 MCC and trial-MNC assigned to Orange on 7 August 2020. | **E.212 shared MCC and trial-MNC 991 02** | 7 August 2021 |
| Airnity | Request for an E.164 shared CC and IC for Airnity | **E.164 shared CC** and **IC 883 390** | 6 August 2021 |
| iBasis Netherlands B.V. | Request for an E.212 shared MCC and MNC for iBasis Netherlands B.V. | **E.212 shared MCC** and **MNC 901 83** | 6 August 2021 |
| Eseye Ltd. | Request for an E.164 shared CC and IC and an E.212 shared MCC and MNC for Eseye Ltd. | **E.164 shared CC and IC 883 380** and **E.212 shared MCC and MNC 901 82** | 6 August 2021 |
| A1 Telekom Austria AG | Request for an E.164 shared CC and IC for A1 Telekom Austria AG | **E.164 shared CC and IC 883 370** | 15 July 2021 |
| Flo Live Limited | Request for an E.212 shared MCC and MNC for Flo Live Limited | **E.212 shared MCC**  and **MNC 901 80** | 1 June 2021 |
| Airnity | Request for an E.212 shared MCC and MNC for Airnity | **E.212 shared MCC**  and **MNC 901 81** | 1 June 2021 |

Applications for E.118 (IIN) – Assigned

|  |  |  |  |
| --- | --- | --- | --- |
| **Applicant** | **Request/Application** | **Assigned code** | **Assignment date** |
| Telecom Italia Sparkle S.p.A. | Request for an E.118 code for Telecom Italia Sparkle S.p.A. | **E.118 IIN 89 883 11** | 10 September 2021 |
| Airnity | Request for an E.118 code for Airnity | **E.118 IIN 89 883 10** | 6 August 2021 |
| Nokia | Request for an E.118 code for Nokia | **E.118 IIN 89 883 09** | 6 August 2021 |

Applications for E.164 and E.212 shared codes – in process

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Applicant** | | **Request/Application** | **Date of request** | **Status** |
| Cisco Systems, Inc. | Request for an E.212 shared MCC and MNC for Cisco Systems, Inc. | | 13 October 2021 | Under SG2 Numbering Applications mailing list review. |
| TME (Note 1) | Request for an E.164 shared CC and IC and an E.212 shared MCC and MNC for TELEFONICA MOVILES ESPAÑA, S.A. UNIPERSONAL (TME) | | 22 September 2021 | Further clarification is required. |
| Telefónica Germany GmbH & Co. OHG (Note 1) | Request for an E.164 shared CC and IC and an E.212 shared MCC and MNC for Telefónica Germany GmbH & Co. OHG | | 22 September 2021 | Application from Telefónica Germany GmbH & Co. OHG has not been discussed by the NCT yet. Please see note below. |
| Monty UK Global Ltd | Request for an E.164 shared CC and IC and an E.212 shared MCC and MNC for Monty Mobile | | 13 September 2021 | Further clarification is required. |
| BJT Partners SAS | Request for an E.164 shared CC and IC and an E.212 shared MCC and MNC for BJT Partners SAS | | 31 August 2021 | Further clarification is required. |
| MTC KSCP | Request for an E.164 shared CC and IC for Mobile Telecommunications Company KSCP | | 26 August 2021 | Waiting for NCT action. |
| Truphone Ltd | Request for an E.164 shared CC and IC and an E.212 shared MCC and MNC for Truphone Ltd | | 18 August 2021 | Further clarification is required. |
| Telna (Singapore) PTE, LTD. | Request for an E.164 shared CC and IC and an E.212 shared MCC and MNC for Telna (Singapore) PTE, LTD. | | 8 March 2021 | Further clarification is required. |

Applications for E.164 and E.212 shared codes referred to Study Group 2 meeting (virtual, 8‑19 November 2021)

|  |  |  |  |
| --- | --- | --- | --- |
| **Applicant** | **Request** | **C/TD** | **Status** |
| Athalos Global Services BV. | Request for E.164 Shared Country Code and Identification Code +882 for Athalos Global Enterprise Access Network | [SG2-C333R1](https://www.itu.int/md/T17-SG02-C-0333/en) | Referred back to the NCT for further consideration, see clause 3.9 of the Q1/2 meeting report, [SG2‑TD028R1/PLEN](https://www.itu.int/md/T17-SG02-211108-TD-PLEN-0028). |
| Telefónica Germany GmbH & Co. OHG | Request for an E.164 shared CC and IC and an E.212 shared MCC and MNC for Telefónica Germany GmbH & Co. OHG | [SG2-TD021R2/PLEN](https://www.itu.int/md/T17-SG02-211108-TD-PLEN-0021) | Referred back to the NCT for further consideration, see clause 3.9 of the Q1/2 meeting report, [SG2‑TD028R1/PLEN](https://www.itu.int/md/T17-SG02-211108-TD-PLEN-0028). |
| TME | Request for an E.164 shared CC and IC and an E.212 shared MCC and MNC for TELEFONICA MOVILES ESPAÑA, S.A. UNIPERSONAL (TME) | [SG2-TD021R2/PLEN](https://www.itu.int/md/T17-SG02-211108-TD-PLEN-0021) | Referred back to the NCT for further consideration, see clause 3.9 of the Q1/2 meeting report, [SG2‑TD028R1/PLEN](https://www.itu.int/md/T17-SG02-211108-TD-PLEN-0028). |

Reclamation of assigned codes referred to Study Group 2 meeting (Virtual, 8-19 November 2021)

|  |  |  |  |
| --- | --- | --- | --- |
| **Applicant** | **Request/Application** | **Date of request** | **Status** |
| OCHA (United Nations Office for the Co-ordination of Humanitarian Affairs) | Reclamation of E.164 CC 888 and E.212 MCC and MNC 901 88 for humanitarian purposes to OCHA | 30 July 2019 | Reclaimed, see page 5 of the [Operational Bulletin 1232 (15 November 2021)](https://www.itu.int/pub/T-SP-OB.1232-2021). |

## 2.2 Reports of misuse

No reports of alleged misuse of numbering resources were received via the official submission channels between June 2021 and October 2021. Existing reports can be accessed by ITU-T SG2 experts at <https://www.itu.int/net/ITU-T/misuse/table.aspx>.

The report on activities related to misuse of numbering resources (period May-November 2021) can be found in [SG2-TD023/PLEN](https://www.itu.int/md/T17-SG02-211108-TD-PLEN-0023).

Further to the discussions of at the ITU-T SG2 meeting (virtual, 31 May – 11 June 2021) (see [SG2‑TD1285](https://www.itu.int/md/T17-SG02-210531-TD-GEN-1285/en)), this topic was further addressed at the Q1/2 RGM (virtual, 6-10 September 2021). An excerpt of the report of that meeting can be found in [SG2-TD023/PLEN](https://www.itu.int/md/T17-SG02-211108-TD-PLEN-0023). As a result, the following Contributions were submitted to the November meeting of ITU-T SG2:

* [SG2-C349](https://www.itu.int/md/T17-SG02-C-0349/en): Additional information on use of 878 10 (Vision NG, UK).
* [SG2-C350](https://www.itu.int/md/T17-SG02-C-0350/en): Background information on UPT and 878 10 (Vision NG, UK).

Due to non-payment of membership fees, Vision NG was suspended from participation during the meeting. The Contributions are expected to be discussed at the next meeting of the study group if Vision NG's suspension has been lifted by that time.

The non-payment of membership fees by other assignees of global NNAI was identified as a possible issue and is being investigated by the ITU-T SG2 Chair, under the auspices of the NCT.

## 2.3 Recommendations

At its last meeting (virtual, 8-19 November 2021), SG2 took the following decisions with respect to:

Recommendations Approved

|  |  |  |
| --- | --- | --- |
| Rec. # | Title | Documents |
| None. |  |  |

Recommendations Determined under TAP

|  |  |  |
| --- | --- | --- |
| Rec. # | Title | Documents |
| None. |  |  |

Recommendations Consented under AAP

|  |  |  |
| --- | --- | --- |
| Rec. # | Title | Documents |
| ITU-T Q.819 (ex Q.rest) | REST-based management services | [SG2-TD095R1/PLEN](https://www.itu.int/md/T17-SG02-211108-TD-PLEN-0095/en) (A.5: [SG2-TD092R1/PLEN](https://www.itu.int/md/T17-SG02-211108-TD-PLEN-0092)) |
| ITU-T X.786 (ex X.rest-ics) | Guidelines for implementation conformance statement proformas associated with REST-based management systems | [SG2-TD093R1/PLEN](https://www.itu.int/md/T17-SG02-211108-TD-PLEN-0093/en) (A.5: [SG2-TD094/PLEN](https://www.itu.int/md/T17-SG02-211108-TD-PLEN-0094)) |
| ITU-T M.3381 (ex M.resm-AI) | Requirements for energy saving management of 5G RAN system with AI | [SG2-TD083R2/PLEN](https://www.itu.int/md/T17-SG02-211108-TD-PLEN-0083/en) |

**Supplements or other non-normative texts approved**

|  |  |  |
| --- | --- | --- |
| Supp.# | **Title** | **Documents** |
| None. |  |  |

# WTSA-20 preparations

Part I of the study group report to WTSA-20, which contains a report of work carried out during the current study period and the proposed future mandate of the study group, has not been changed since it was submitted for information to TSAG in September 2020 ([TSAG-TD901](https://www.itu.int/md/T17-TSAG-200921-TD-GEN-0901/en)). Part I of the report to WTSA-20 will be updated before the TSAG meeting in January 2022 to reflect progress made.

Part II of the study group report, which contains proposed updates to the Question texts, was submitted to the January 2021 meeting of TSAG ([TSAG-TD973-R1](https://www.itu.int/md/T17-TSAG-210111-TD-GEN-0973/en)). The TSAG meeting endorsed the new Question texts, which are now in force, and can be found here:  
<https://www.itu.int/net4/ITU-T/lists/loqr.aspx?Group=2&Period=16>.

The Chairman did not expect to discuss any updates to the proposed SG2 mandate or the list of Questions under study before WTSA-20.

A Liaison Statement on streamlining WTSA Resolutions 20 and 29 was sent to TSAG, see [TSAG‑TD1233](https://www.itu.int/md/T17-TSAG-220110-TD-GEN-1233/en).

# Progress

Discussions on the assignment of global resources continues to address emerging requirements. Since the previous ITU-T Study Group 2 meeting (Virtual, 31 May – 11 June 2021), the Numbering Coordination Team (NCT) held five meetings and carried out further consultations through email correspondence. The NCT has worked on 18 new or pending applications. Details can be found in [SG2-TD021R2/PLEN](https://www.itu.int/md/T17-SG02-211108-TD-PLEN-0021). Advice was given to the TSB Director, this can be found in clause 2.1 of the meeting report of ITU-T SG2 (virtual, 8-19 November 2021, [SG2-R34](https://www.itu.int/md/T17-SG02-R-0034/en)).

Progress continues to be made on revising Recommendation ITU-T E.118, "The international telecommunication charge card", which specifies the Issuer Identification Number that is used on SIM cards and has been in demand for mobile connections for emerging technology. The current amendments reflect the development of an expansion of the NNAI resource by embedding the current structure in a new structure administered by the industry for use within embedded SIMS.

Other possible topics:

– A way forward for E.nphs was found, including WGT applying for global number resources and the closing of the work items on drafts E.nphs and TR.disab.

– A way forward for the assignment of global NNAI resources for Athalos.

– IoT/M2M number portability.

– Consideration for new M.fcnhe: "Framework of communication network health evaluation

– NCT: applications from different business units; number assignments for +883 and +901/903.

– Discussion of reclamation of global NNAI resources for assignees who fail

• to submit annual certification,

• pay their membership fees, or

• use their resources as assigned.

– Regarding E.156 follow-up activities, proceed with implementation of the approach documented in [SG2-TD61R1/PLEN](https://www.itu.int/md/T17-SG02-211108-TD-PLEN-0061/en).

Five new work items were initiated:

– E.gain, *ITU-T Management of the allocation of globally assigned Issuer Identifier Numbers (IINs).*

– E.gap, *Global ITU-T NNAI Assignment Processes.*

– TR.SPN, *Spoofing using national number.*

– TR.PCM, *Permitted call masking.*

– E.190 (rev), *Principles and responsibilities for the management, assignment and reclamation of E-series international numbering resources.*

# Cooperation with other SGs

Cooperation with other study groups continues, specifically with ITU-T SGs 5, 11, 12, 13, 16, 17 and 20. The highlights of the cooperation are:

– Liaisons were sent to SG5, SG11 and SG20 on the Consent of new Recommendations ITU‑T Q.819 (ex Q.rest), ITU-T X.786 (ex X.rest-ics) and ITU-T M.3381 (ex M.resm-AI).

– A liaison was sent to SG11 on new ITU-T Q.Pro-Trust, “Signalling procedures and protocols for enabling interconnection between trustable network entities in support of existing and emerging networks", requesting a delay to the Consent of this text pending further review by SG2 experts.

– A liaison was sent to SG12, SG13 and SG17 seeking feedback on proposal to initiate a new work item M.fcnhe, "Framework of communication network health evaluation".

– Liaisons were sent to ITU-T SG13 updating on M.il-AITOM and M.rla-AI in SG2, and responding to incoming liaisons on Y.NRS-DLT-arch, Y.SCid-fr, Y.DTN-ReqArch, Y.ASA-CPN, Y.ccabom-reqts and Y.ICN-NMR from SG13.

– A liaison was sent to SG16 and JCA-AHF providing an update on the status of work on international numbering resources for the provision of services of a humanitarian nature, including the discontinuation of work on e.nphs.

– Liaisons were sent to ITU-T SG20 providing feedback on Consented ITU-T Y.4477 (ex Y.IoT-sd-arch) and ITU-T Y.4811 (ex Y.IoT-CSIADE-fw).

# SG2 regional groups

A meeting of ITU-T SG2 Regional Group for the Americas (SG2RG-AMR) was held fully virtual on 7 September 2021. The meeting report can be found in [SG2RG-AMR-R3](https://www.itu.int/md/T17-SG02RG.AMR-R-0003/en).

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