

Numbering, Naming, Addressing and Identification

Session 4: Numbering, Addressing and Identification

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Numbering, Naming, Addressing and Identification – The subjects

- Naming, Numbering, Addressing and Identification
 - Naming, Numbering, Addressing and Identification of IoT (SGs 2 and 20)
 - Future of numbering and identification (SGs 2, 13, 17, 20)
 - Countering and Combatting Naming, Numbering, Addressing and Identification misuse
 - Future requirements of the governance of directly assigned global numbering, naming, addressing and identification resources by ITU TSB
 - continue to discuss potential telecom finance and anti-fraud topics, in collaboration with other SG's, organizations, and SDO's
- IMT-2020/5G systems:
 - Network management and operational aspects (SG2)
 - E.212 MNC evaluation and need for IMT-2020/5G systems
 - E.118 IIN/GSMA EID evaluation and need for IMT-2020/5G systems

Naming, Numbering, Addressing and Identification of IoT

- Current Activity
 - Work Item on E.NNAI IoT in progress (e.g. re-allocate CC 878 for IoT/M2M purpose)
 - NCT seeing demand for directly assigned global resources
 - Increase in associates membership
 - Evolving NNAI Recs as required to meet demand for global resources
 - Requests are currently basis for use cases
 - Liaising with SG20 – awaiting use cases
- Strategy
 - General Authorisation regime to allocate global (direct) resources for IoT?
 - ISO, GSMA as well as ITU-T SG20

Future of numbering and identification

- Current Status
 - Agreed new work items on OTT
 - Clarifying work on impermissible traffic
 - Agreed new uses of IMSI (E.212 MNCs)
 - Product's
 - SDO's
- Strategy
 - Respond to members' requirements
 - Reflect in questions
 - Define relevant services
 - Liaise with other SG's (11, 13, 16, 17 and 20) and SDO's (ISO, IETF and GSMA)

Countering and Combatting Naming, Numbering, Addressing and Identification misuse

- Current activity
 - Progressing E.156 Reports of Misuse
 - Separating direct and indirect allocation of resources
 - Progressing work on Calling Party Number Delivery (E.157)
 - Reflect unilateral action taken by Members
 - Uganda - regulatory
 - UK – numbering
 - US – FCC actions
 - NWI on Spoofing
- Strategy
 - Report and actions to reflect direct and indirect reporting
 - Maintain links with GSMA and other organisations
 - Member states to be directly contactable for indirect resources
 - Raise awareness of the Operational Bulletin

Future requirements of the governance of directly assigned numbering, naming, addressing and identification resources by ITU TSB

- **Current Status**
 - Specific assignment criteria for global assignments of E.118
 - eSIM
 - Current focus on known identifiers – are all identifiers covered?
- **Strategy**
 - General principles?
 - Cost recovery?
 - NNAI independent?

Telecom finance and anti-fraud management

- Current status
 - Common requirement to define fraud
 - Operational management
 - Used in Numbers
 - Make combatting Fraud central to Telecom Finance
 - Use in ITU-T E.157
 - Still a hot issue running into millions
- Strategy
 - continue to discuss potential telecom finance and anti-fraud aspects, in collaboration with other SG's, organizations, and SDO's
 - Continue to define telecom fraud use cases
 - Outreach to other organisations and SDO's