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|  | INTERNATIONAL TELECOMMUNICATION UNION  TELECOMMUNICATION STANDARDIZATION SECTOR  STUDY PERIOD 2017-2020 | | TSAG-C39 | | |
| **TSAG** | | |
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| **CONTRIBUTION** | | | | | |
| **Source:** | | Russian Federation | | | |
| **Title:** | | Application of ITRs provisions in the work of ITU-T SG2 | | | |
| **Purpose:** | |  | | | |
| **Contact:** | | Evgeny Tonkikh Russian Federation | | | Tel: +7 495 6471734 E-mail: et@niir.ru |
| **Contact:** | |  | | |  |

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| **Keywords:** | The International Telecommunication Regulations, ITRs, numbering, fraud, misuse of numbering resources |
| **Abstract:** | Reports of numbering resource misuse in communications networks, submitted to the ITU (SG2) and posted on the web-site <https://www.itu.int/net/ITU-T/misuse/table.aspx> provide actual cases of ITRs applicability by SG2. The contribution submits proposals which take note of the relationship between ITU-T SG2 activity and ITRs application (of relevant articles), as well as proposals on promoting the use of these articles. |

**Introduction**

Analysis of reports sent by the ITU Members (Member States and Sector Members) on possible misuse of numbering resources, and reviewed at ITU-T SG2 meetings, indicates that a considerable number of reports is related to cases of spoofing a calling party number.

**Discussion**

1. When calling and/or carrying traffic with spoofed number, the spoofing is performed both for numbers already assigned by operators owning the numbers and for unassigned numbers. The general recommendation to operators in cases of suspicious activity coming from these numbers is to take measures to interrupt the traffic (for example, see Notification No.238 from Serbia <https://www.itu.int/net/ITU-T/misuse/details.aspx?report=238> or No.248 from Germany <https://www.itu.int/net/ITU-T/misuse/details.aspx?report=248>). However it is clear that in case of spoofing already assigned numbers there is a high probability of interrupting traffic from an authentic subscriber who is unaware that his numbering is being used by a third party (misused).

2. Analysis of the Notification No.245 from Voxbone, USA, is also of interest <https://www.itu.int/net/ITU-T/misuse/details.aspx?report=245>, because it proposes a number of measures to be taken towards developing regulations and standards allowing tracebacking calls along the whole route including Internet.

3. Unfortunately the last two Notifications were received after the SG responses to TSAG on the use of the International Telecommunication Regulations (ITRs) in their work were concluded, and this prevented discussing the abovementioned cases in detail at SG2 meeting.

4. We believe that the activity of SG2 is closely related to ITRs provisions, for example:

Table 1: Relationship between ITRs articles and ITU-T Recommendations developed by SG2

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| --- | --- | --- | --- |
| **ITRs Article** |  | **ITRs text** | **SG2 Recommendation** |
| **3.5** | ITR | Member States shall endeavour to ensure that international telecommunication numbering resources specified in ITU-T Recommendations are used only by the assignees and only for the purposes for which they were assigned; and that unassigned resources are not used. | **ITU-T E.164 series, E.156** |
| **3.6** | ITR | Member States shall endeavour to ensure that international calling line identification (CLI) information is provided taking into account the relevant ITU-T Recommendations. | **ITU-T E.157, E.156** |

**Proposals**

1. Russian Federation fully supports the issues raised in the Notifications as well as the possible ITU action lines to deter misuse of numbering resources[[1]](#footnote-1).

2. Russian Federation believe that the call for development of regulations is fully relevant within the ITU. For operative solution of the issue we deem it reasonable at this stage to adopt ITU Council Resolution and, in the future, possible modifications to the relevant ITRs articles, noting that the Regulations already contain, albeit in a mild wording, the provisions on identification of the calling party and its number delivery. To reinforce ITRs regulatory provisions on identification of the calling party and to combat illegal number spoofing it is necessary to strengthen and complete relevant provisions or possibly adopt new ones.

3. It is proposed to request TSB Director to inform the Expert Group on the International Telecommunication Regulations (EG-ITR) and ITU Council on the submitted Notifications on illegal use of numbering resources as it is the field where ITU should play the key role (at the level of Council decision and in the future at the level of ITRs).

4. Russian Federation deems it necessary to consider adopting the Council Resolution at the next ITU Council session and submit proposals regarding relevant ITRs provisions to be considered by EG-ITRs, as well as invites all stakeholders (including authors of the mentioned and unmentioned Notifications) to discuss this issue.

5. It is proposed to send the information on the use of ITRs in the work of ITU-T SG2, as presented in Table 1 above, to the TSB Director for submission at the next meeting of EG-ITRs which will immediately precede the ITU Council 2018 session, as well as to SG2 management group and/or to SG2 for further discussion and comments.

1. In the Russian Federation spoofing of the calling party number is the violation of the Federal Law On Communications, No.126-FZ of July 7, 2003 [↑](#footnote-ref-1)