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|  | | | Geneva, 22 September 2015 | |
| Ref: | **TSB Circular 173**  COM 17/MEU | | - To Administrations of Member States of the Union | |
| Tel: | +41 22 730 5866 | |
| Fax: | +41 22 730 5853 | |
| E-mail: | [tsbsg17@itu.int](mailto:tsbsg17@itu.int) | | **Copy:**  - To ITU-T Sector Members;  - To ITU-T Associates;  - To ITU-T Academia;  - To the Chairman and Vice-Chairmen of Study Group 17;  - To the Director of the Telecommunication Development Bureau;  - To the Director of the Radiocommunication Bureau | |
| Subject: | **Approval of new Recommendations ITU-T X.1157, ITU-T X.1246 and ITU-T X.1341** | | | |

Dear Sir/Madam,

1 Further to TSB Circular 150 of 30 April 2015, I hereby inform you that Member States participating in the last meeting of Study Group 17 approved the texts of three draft new ITU‑T Recommendations during its Plenary session held on 17 September 2015. Summaries of these three Recommendations are in Annex 1.

2 The titles of the new ITU-T Recommendations that were approved are:

**ITU-T X.1157**: “Technical capabilities of fraud detection and response for services with high assurance level requirements”

**ITU-T X.1246**: “Technologies involved in countering voice spam in telecommunication organizations”

**ITU-T X.1341**: “Certified mail transport and certified post office protocols”

3 Available patent information can be accessed on‑line via the ITU‑T website.

4 The texts of the pre-published Recommendations will soon be available on the ITU‑T website.

5 The texts of these Recommendations will be published by ITU as soon as possible.

Yours faithfully,

Chaesub Lee  
Director of the Telecommunication  
Standardization Bureau

**Annex:** **1**

ANNEX 1  
(to TSB Circular 173)

**Summaries of new Recommendations ITU-T X.1157, ITU-T X.1246 and ITU-T X.1341**

**Summary of new Recommendation ITU-T X.1157 (2015)**

Recommendation ITU-T X.1157 provides capabilities required to support fraud detection and response service in security sensitive information and communication technology (ICT) application services. Fraud detection and response services support the detection, analytics and management of fraud across users, accounts, products, processes and channels. It monitors and analyses user activity and behaviour at the application level (rather than at the system, database or network level) and watches what transpires inside and across accounts, using any channel available to a user. It also analyses behaviour among related users, accounts or other entities, looking for abnormal activity, corruption or misuse. It is most commonly used in verticals managing customer money, such as e-finance, enterprise remote access, etc., but is equally commonly used to detect internal fraud and other types of unauthorized activities.

**Summary of new Recommendation ITU-T X.1246 (2015)**

Voice communication is a fundamental service provided by telecommunication networks. With the development of voice communication, voice spam has also been increasing with numerous negative effects on end users and network operators. In general, voice spam has content ranging from commercial advertisement to offensive pornographic material, which has various kinds of negative effects on end users and network operators. Voice spam may allure, annoy, bully or even intimidate users as well as network resources. To avoid these negative influences, and to protect user’s rights and maintain network stability, network operators may wish to increase their efforts to counter voice spam.

The objective of Recommendation ITU-T X.1246 is to review technical solutions to counter voice spam without the consideration of the risk of the authenticity of the spammer identity. This Recommendation gives an overview of voice spam, and summarizes the existing anti-spam technologies which are used by users and telecommunication networks alike, and the collaboration mechanism between them. Additional proposed technical solutions are also recommended based on the technologies and this collaboration mechanism.

**Summary of new Recommendation ITU-T X.1341 (2015)**

Recommendation ITU-T X.1341 defines the certified mail transfer protocol (CMTP) and certified post office protocol (CPOP) in order to foster the exchanges of electronic certified mails in the world in a secure way by providing confidentiality, identification of the correspondents, integrity and non-repudiation.

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