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| The International Teleocmmunication Union - Connecting the World. | **International telecommunication union****Telecommunication Standardization Bureau** |  |
|  | Geneva, 23 September2021 |
| **Ref:** | **TSB Circular 342**SG17/XY | **To:**- Administrations of Member States of the Union**Copy to:**- ITU-T Sector Members;- ITU-T Associates of Study Group 17;- ITU Academia- The Chairman and Vice-Chairmen of ITU-T Study Group 17;- The Director of the Telecommunication Development Bureau;- The Director of the Radiocommunication Bureau |
| **Tel:** | +41 22 730 6206 |
| **Fax:****E-mail:** | +41 22 730 5853tsbsg17@itu.int |
| **Subject:** | **Member State consultation on Determined draft Amendment to Recommendations ITU-T X.1246 and X.1247, new Recommendations ITU-T X.1234 (X.gcmms), X.1235 (X.tecwes), X.1333 (X.sg-rat), X.1369 (X.ssp-iot), X.1407 (X.srip-dlt), X.1453 (X.strvms), X.1752 (x.sgBDIP), X.1643 (X.sgcc) and X.1812 (X.5Gsec-t) for approval at the e-plenary meeting of ITU-T Study Group 17 (Virtual, 7 January 2022)** |

Dear Sir/Madam,

1 ITU-T Study Group 17 (Security) intends to apply the Traditional Approval Procedure as described in Section 9 of WTSA Resolution 1 (Rev. Hammamet, 2016) for the approval of the above-mentioned draft Recommendations at its next meeting in Virtual, 7 January 2022. The agenda and all relevant information concerning the ITU-T Study Group 17 meeting will be available in Collective letter [13/17](https://www.itu.int/md/T17-SG17-COL-0013/en).

2 The titles, summaries and locations of the draft ITU-T Recommendations proposed for approval can be found in **Annex 1**.

TSB NOTE 1 - No ITU-T A.5 justification document has been prepared for any of these determined draft texts.

TSB NOTE 2 – As of the date of this Circular, no IPR statement had been received by TSB regarding any of these draft texts. For up-to-date information, members are invited to consult the IPR database at [www.itu.int/ipr/](http://www.itu.int/ipr/).

3 This Circular initiates the formal consultation with ITU Member States on whether these texts may be considered for approval at the upcoming meeting, in accordance with clause 9.4 of Resolution 1. Member States are kindly requested to complete and return the form in **Annex 2** by 2359 hours UTC on **23 December 2021.**

4 If 70% or more of the replies from Member States support consideration for approval, one Plenary session will be devoted to apply the approval procedure. Member States that do not assign authority to proceed should inform the Director of TSB of the reasons for this opinion and indicate the possible changes that would enable the work to progress.

Yours faithfully,

Chaesub Lee
Director of the Telecommunication
Standardization Bureau

**Annexes:** 2

Annex 1

Summary and location of Determined draft Amendment to Recommendations ITU‑T X.1246 and X.1247, new Recommendations ITU-T X.1234 (X.gcmms), X.1235 (X.tecwes), X.1333 (X.sg-rat), X.1369 (X.ssp-iot), X.1407 (X.srip-dlt), X.1453 (X.strvms), X.1752 (x.sgBDIP), X.1643 (X.sgcc) and X.1812 (X.5Gsec-t)

# Draft new Recommendation ITU-T X.1234 (X.gcmms) [[R92](https://www.itu.int/md/meetingdoc.asp?lang=en&parent=T17-SG17-R-0092)]

Guideline for countering multimedia messaging service (MMS) spam

## Summary

This Recommendation specifies guidelines for countering MMS spam. It analyses typical scenarios, characteristics, and recognition methods of MMS spam, and provides a technical framework, work flows and some key technologies of MMS spam recognition, to help MMS providers and MMS users to counter spam.

# Draft new Recommendation ITU-T X.1235 (X.tecwes) [[R93](https://www.itu.int/md/meetingdoc.asp?lang=en&parent=T17-SG17-R-0093)]

Technologies in countering website spoofing for telecommunication organizations

## Summary

Website spoofing is a major threat for telecommunication organizations, especially operators. It is recommended for telecommunication operators to adopt counter website spoofing technologies to protect their customers and guard their reputation and revenue. This Recommendation analyses the main measures to spoof a website and recommends technologies to identify spoofed websites, which can be regarded as guidelines for protecting websites from being spoofed for telecommunication organizations.

# Draft new Amendment to Recommendation ITU-T X.1246 (X.1246Amd) [[R94](https://www.itu.int/md/meetingdoc.asp?lang=en&parent=T17-SG17-R-0094)]

Technologies involved in countering voice spam in telecommunication organizations

## Summary

Amendment 1 to ITU‑T Recommendation X.1246 introduces the feedback mechanism from the client, receiving possible spam call (with voice, sms, or mms) to its operator.

It provides technical requirements for telecommunication management systems and/or client support services to receive notifications of income spam calls, voice or messages (sms/mms). Scenarios of interactive interaction of clients with operators/service providers of telephone communication networks about incoming spam calls and the necessary technical measures to maintain such interaction are presented. Such interaction is based on making a call to the anti-spam number provided by the telecom operator in advance by the recipient of the spam call immediately after it is completed.

# Draft new Amendment to Recommendation ITU-T X.1247 (X.1247Amd) [[R95](https://www.itu.int/md/meetingdoc.asp?lang=en&parent=T17-SG17-R-0095)]

Technical framework for countering mobile messaging spam

## Summary

Amendment 1 to ITU‑T Recommendation X.1247 introduces the feedback mechanism from the client, receiving possible spam call (with voice, sms, or mms) to its operator.

It provides technical requirements for telecommunication management systems and/or client support services to receive notifications of income spam calls, voice or messages (sms/mms). Scenarios of interactive interaction of clients with operators/service providers of telephone communication networks about incoming spam calls and the necessary technical measures to maintain such interaction are presented. Such interaction is based on making a call to the anti-spam number provided by the telecom operator in advance by the recipient of the spam call immediately after it is completed.

# Draft new Recommendation ITU-T X.1333 (X.sg-rat) [[R96](https://www.itu.int/md/meetingdoc.asp?lang=en&parent=T17-SG17-R-0096)]

Security guidelines for use of remote access tools in Internet-connected control systems

## Summary

Remote access tools (RATs) are widely used on control systems for monitoring, control and maintenance to reduce maintenance costs and minimize the response time in the event of a malfunction. RATs provide the ability to manipulate control systems remotely, but at the same time, an insecure configuration of RATs and vulnerabilities in RATs could significantly increase the attack surface of control systems. The most serious problem is an interface to access a control system from the external networks that could make attackers access to control system from the Internet.

The Recommendation describes a whole picture to employ RATs securely for monitoring, control and maintenance. In this Recommendation, threats to network configuration due to the use of RATs are identified and security guidelines are provided to adapt secure configuration and security measures for the use of RATs in Internet-connected control systems.

Providing well-organized security controls on the use of RATs would be helpful for digital service providers operating control systems to reduce the attack surface and the threats from external networks. Moreover, it would be beneficial to align the security levels between developed and developing countries, since this is not a local problem, but a global problem.

# Draft new Recommendation ITU-T X.1369 (X.ssp-iot) [[R97](https://www.itu.int/md/meetingdoc.asp?lang=en&parent=T17-SG17-R-0097)]

Security requirements for IoT service platform

## Summary

This Recommendation specifies security requirements for IoT service platform. It assesses security threats and challenges to IoT business service platform and describes security measures that could mitigate security threats and challenges.

# Draft new Recommendation ITU-T X.1407 (X.srip-dlt) [[R98](https://www.itu.int/md/meetingdoc.asp?lang=en&parent=T17-SG17-R-0098)]

Security requirements for digital integrity proofing service based on distributed ledger technology

## Summary

Recommendation X.1407 specifies security threats and requirements in digital integrity proofing service based on distributed ledger technology (DLT).

When the original proof protected is stored off-chain and the hashed data values are stored on-chain, Recommendation X.1407 analyses security threats to such digital integrity proofing services based on DLT, namely, proof registration and proof provenance. This Recommendation then specifies security requirements that could address these security threats.

# Draft new Recommendation ITU-T X.1453 (X.strvms) [[R99](https://www.itu.int/md/meetingdoc.asp?lang=en&parent=T17-SG17-R-0099)]

Security threats and requirements for video management systems

## Summary

Video management system (VMS) is the core of video surveillance systems used for public safety, traffic monitoring, etc. Basically, a VMS receives video from cameras and allows someone to view that video either live or recorded. Currently emerging VMS approaches incorporate more and more intelligence into their design, including video analytics and access control.

As VMS is networked, it is fully exposed to various vulnerabilities such as those faced by internet web services and can easily be a target of cyberattacks.

This Recommendation analyzes the security threats to server platform based VMS running on an IP network and specifies security requirements to counteract identified security threats.

# Draft new Recommendation ITU-T X.1643 (X.sgcc) [[R100](https://www.itu.int/md/meetingdoc.asp?lang=en&parent=T17-SG17-R-0100)]

Security Guidelines of Container in cloud computing environment

## Summary

This Recommendation analyses security threats and challenges on container in cloud computing environment and specifies a reference framework with security guidelines for container in cloud.

# Draft new Recommendation ITU-T X.1752 (X.sgBDIP) [[R101](https://www.itu.int/md/meetingdoc.asp?lang=en&parent=T17-SG17-R-0101)]

Security Guidelines for Big Data infrastructure and platform

## Summary

This Recommendation analyses security threats and challenges on big data infrastructure and platform and specifies a reference framework to mapping security guidelines against threats identified for big data infrastructure and platform.

# Draft new Recommandation ITU-T X.1812 (X.5Gsec-t) [[R102](https://www.itu.int/md/meetingdoc.asp?lang=en&parent=T17-SG17-R-0102)]

Security framework based on trust relationships for IMT-2020 ecosystem

## Summary

This Recommendation identifies stakeholders in IMT-2020 ecosystem, analyses trust relationships amongst them, identifies threats and clarifies security responsibilities for each stakeholder, defines security boundaries between stakeholders, and establishes a security framework based on these trust relationships.

Annex 2

Subject: Member State response to TSB Circular 342:
Consultation on Determined draft Amendment to Recommendations ITU-T X.1246 and X.1247, new Recommendations ITU-T X.1234 (X.gcmms), X.1235 (X.tecwes), X.1333 (X.sg-rat), X.1369 (X.ssp-iot), X.1407 (X.srip-dlt), X.1453 (X.strvms), X.1752 (X.sgBDIP), X.1643 (X.sgcc) and X.1812 (X.5Gsec-t)

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| **To**: | Director of the Telecommunication Standardization Bureau,International Telecommunication UnionPlace des NationsCH 1211 Geneva 20, Switzerland | **From**: | [Name][Official role/title][Address] |
| **Fax**:**E-mail**: | +41-22-730-5853tsbdir@itu.int  | **Fax**:**E-mail**: |  |
|  |  | **Date**: | [Place,] [Date] |

Dear Sir/Madam,

With respect to the Member State consultation on the Determined draft text(s) listed in TSB Circular 342, I would like to advise you of the opinion of this Administration, which is set out in the table below.

|  | **Select one of the two boxes** |
| --- | --- |
| **Draft new Recommendation ITU-T X.1234 (X.gcmms)** | [ ]  **assigns authority** to SG17 to consider this text for approval (in which case, select one of the two options ⃝):⃝ No comments or suggested changes⃝ Comments and suggested changes are attached |
| [ ]  **does not assign authority** to SG17 to consider this text for approval (reasons for this opinion and an outline of possible changes that would enable the work to progress are attached) |
| **Draft new Recommendation ITU-T X.1235 (X.tecwes)** | [ ]  **assigns authority** to SG17 to consider this text for approval (in which case, select one of the two options ⃝):⃝ No comments or suggested changes⃝ Comments and suggested changes are attached |
| [ ]  **does not assign authority** to SG17 to consider this text for approval (reasons for this opinion and an outline of possible changes that would enable the work to progress are attached) |
| **Draft new** **Amendment to Recommendation ITU-T X.1246 (X.1246Amd)** | [ ]  **assigns authority** to SG17 to consider this text for approval (in which case, select one of the two options ⃝):⃝ No comments or suggested changes⃝ Comments and suggested changes are attached |
| [ ]  **does not assign authority** to SG17 to consider this text for approval (reasons for this opinion and an outline of possible changes that would enable the work to progress are attached) |
| **Draft new Amendment to Recommendation ITU-T X.1247 (X.1247Amd)** | [ ]  **assigns authority** to SG17 to consider this text for approval (in which case, select one of the two options ⃝):⃝ No comments or suggested changes⃝ Comments and suggested changes are attached |
| [ ]  **does not assign authority** to SG17 to consider this text for approval (reasons for this opinion and an outline of possible changes that would enable the work to progress are attached) |
| **Draft new Recommendation ITU-T X.1333 (X.sg-rat)** | [ ]  **assigns authority** to SG17 to consider this text for approval (in which case, select one of the two options ⃝):⃝ No comments or suggested changes⃝ Comments and suggested changes are attached |
| [ ]  **does not assign authority** to SG17 to consider this text for approval (reasons for this opinion and an outline of possible changes that would enable the work to progress are attached) |
| **Draft new Recommendation ITU-T X.1369 (X.ssp-iot)** | [ ]  **assigns authority** to SG17 to consider this text for approval (in which case, select one of the two options ⃝):⃝ No comments or suggested changes⃝ Comments and suggested changes are attached |
| [ ]  **does not assign authority** to SG17 to consider this text for approval (reasons for this opinion and an outline of possible changes that would enable the work to progress are attached) |
| **Draft new Recommendation ITU-T X.1407 (X.srip-dlt)** | [ ]  **assigns authority** to SG17 to consider this text for approval (in which case, select one of the two options ⃝):⃝ No comments or suggested changes⃝ Comments and suggested changes are attached |
| [ ]  **does not assign authority** to SG17 to consider this text for approval (reasons for this opinion and an outline of possible changes that would enable the work to progress are attached) |
| **Draft new Recommendation ITU-T X.1453 (X.strvms)** | [ ]  **assigns authority** to SG17 to consider this text for approval (in which case, select one of the two options ⃝):⃝ No comments or suggested changes⃝ Comments and suggested changes are attached |
| [ ]  **does not assign authority** to SG17 to consider this text for approval (reasons for this opinion and an outline of possible changes that would enable the work to progress are attached) |
| **Draft new Recommendation ITU-T X.1643 (X.sgcc)** | [ ]  **assigns authority** to SG17 to consider this text for approval (in which case, select one of the two options ⃝):⃝ No comments or suggested changes⃝ Comments and suggested changes are attached |
| [ ]  **does not assign authority** to SG17 to consider this text for approval (reasons for this opinion and an outline of possible changes that would enable the work to progress are attached) |
| **Draft new Recommendation ITU-T X.1752 (X.sgBDIP)** | [ ]  **assigns authority** to SG17 to consider this text for approval (in which case, select one of the two options ⃝):⃝ No comments or suggested changes⃝ Comments and suggested changes are attached |
| [ ]  **does not assign authority** to SG17 to consider this text for approval (reasons for this opinion and an outline of possible changes that would enable the work to progress are attached) |
| **Draft new Recommendation ITU-T X.1812 (X.5Gsec-t)** | [ ]  **assigns authority** to SG17 to consider this text for approval (in which case, select one of the two options ⃝):⃝ No comments or suggested changes⃝ Comments and suggested changes are attached |
| [ ]  **does not assign authority** to SG17 to consider this text for approval (reasons for this opinion and an outline of possible changes that would enable the work to progress are attached) |

Yours faithfully,

[Name]

[Official role/title]

Administration of [Member State]

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