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| [itu-logo](http://www.itu.int/) | | **International telecommunication union**  **Telecommunication Standardization Bureau** | |  |
|  | | | Geneva, 17 May 2017 | |
| **Ref:** | **TSB Circular 29**  SG17/XY | | **To:**  - Administrations of Member States of the Union  **Copy to:**  - ITU-T Sector Members;  - Associates of ITU-T 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:** | +41 22 730 5853 | |
| **E-mail:** | [tsbsg17@itu.int](mailto:tsbsg17@itu.int) | |
| **Subject:** | **Member State consultation on Determined draft Recommendations ITU-T X.1127 (ex X.msec-9), ITU-T X.1213 (ex X.sbb), ITU-T X.1248 (ex X.cspim) and ITU-T X.1541, proposed for approval at the meeting of ITU-T Study Group 17 (Geneva, 29 August - 6 September 2017)** | | | |

Dear Sir/Madam,

1 ITU-T Study Group 17 (Security) intends to apply the Traditional Approval Procedure as described in clause 9 of WTSA Resolution 1 (Rev. Hammamet, 2016) for the approval of the above‑mentioned draft Recommendations ITU-T X.1127 (ex X.msec-9), ITU-T X.1213 (ex X.sbb), ITU‑T X.1248 (ex X.cspim) and ITU-T X.1541, at its next meeting in Geneva, 29 August to 6 September 2017. The agenda and all relevant information concerning the ITU-T Study Group 17 meeting will be available in Collective letter [2/17](http://www.itu.int/md/T17-SG17-COL-0002/en).

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

3 This Circular initiates the formal consultation with ITU Member States on whether these Recommendations 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 17 August 2017.

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,

[Original signed]

Chaesub Lee  
Director of the Telecommunication  
Standardization Bureau

**Annexes: 2**

Annex 1

Summary and location of Determined draft Recommendations ITU-T X.1127 (ex X.msec-9), ITU-T X.1213 (ex X.sbb), ITU-T X.1248 (ex X.cspim) and ITU-T X.1541

# 1 Draft new Recommendation ITU-T X.1127 (ex X.msec-9) ([SG17-R03](http://www.itu.int/md/T17-SG17-R-0003))

Functional security requirements and architecture for mobile phone anti-theft measures

Summary

Recommendation ITU-T X.1127 focuses on the functional security requirements and functional architecture for smartphone anti-theft mechanisms based on the general requirements described by the Global System Mobile Association (GSMA).

Smartphones are rapidly proliferating and have become a nearly indispensable part of daily life. Unfortunately, many smartphone users have had their phones stolen. A smartphone anti-theft measure, i.e., a kill switch tool, for use in the event it is lost or stolen, should provide the capability to:

‒ remotely delete the authorized user's data that is on the smartphone;

‒ render the smartphone inoperable to an unauthorized user;

‒ prevent reactivation without the authorized user's permission to the extent technologically feasible; and

‒ reverse the inoperability if the smartphone is recovered by the authorized user, and restore user data on the smartphone to the extent feasible.

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

# 2 Draft new Recommendation ITU-T X.1213 (ex X.sbb) ([SG17-R05](http://www.itu.int/md/T17-SG17-R-0005))

Security capability requirements for countering smartphone-based botnets

Summary

Recommendation ITU-T X.1213 analyses the background and potential security threats of smartphone-based botnets, and provides security capability requirements.

Along with the rapid development of mobile Internet devices and the widespread use of smartphones, surveys from worldwide organizations show that botnets, formerly targeting mostly personal computer (PC)-based networks, are now being replicated very quickly on smartphones. Currently, countries and regions with differing conditions and ecosystems have varying levels of constraints on the propagation of smartphone-based botnets. Analytical reports from various security companies and investigative organizations show noticeably different statistical data on the severity of the propagation of smartphone-based botnets. The potential threat of smartphone-based botnets is increasing very quickly in some regions and could possibly spread worldwide and turn from a regional issue into a serious global issue.

Compared with PCs and servers, smartphones have less processing power, storage space and battery life. However, the adversarial influence of smartphone-based botnets could have greater repercussions on users for the following reasons: 1) smartphones often store very important personally identifiable information (PII) and 2) if attacks on smartphones or on the operator's infrastructure occur, user experience may degrade significantly due to the prevalence of, and user dependence on, smartphones.

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

# 3 Draft new Recommendation ITU-T X.1248 (ex X.cspim) ([SG17-R06](http://www.itu.int/md/T17-SG17-R-0006))

Technical requirements for countering instant messaging spam

Summary

Recommendation ITU-T X.1248 identifies characteristics of spam over instant messaging (SPIM) and specifies technical requirements for countering it. As instant messaging (IM) increases in popularity, the proliferation of SPIM becomes an increasingly serious problem. The characteristics of IM, such as being Internet protocol (IP)-based with widespread usage that is free of charge, potentially allows SPIM to spread widely and uncontrollably. If SPIM problems are not carefully addressed, they can have negative impacts on the utilization of the IM service itself.

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

# 4 Draft revised Recommendation ITU-T X.1541 ([SG17-R07](http://www.itu.int/md/T17-SG17-R-0007))

Incident object description exchange format version 2

Summary

Recommendation ITU-T X.1541 describes the information model for the incident object description exchange format (IODEF) version 2 and provides an associated data model specified with XML schema. The IODEF specifies a data model representation for sharing commonly exchanged information about computer security or other incident types. This is achieved by listing the relevant clauses of IETF RFC 7970 and showing whether they are normative or informative.

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

Annex 2

Subject: Member State response to TSB Circular 29:  
Consultation on Determined draft Recommendations ITU-T X.1127 (ex X.msec-9), ITU-T X.1213 (ex X.sbb), ITU-T X.1248 (ex X.cspim) and ITU-T X.1541

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

Dear Sir/Madam,

With respect to the Member State consultation on the Determined draft texts listed in TSB Circular 29, 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.1127 (ex X.msec-9)** | **assigns authority** to Study Group 17 to consider this text for approval (in which case, select one of the two options ⃝):  ⃝ No comments or suggested changes  ⃝ Comments and suggested changes are attached |
| **does not assign authority** to Study Group 17 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.1213 (ex X.sbb)** | **assigns authority** to Study Group 17 to consider this text for approval (in which case, select one of the two options ⃝):  ⃝ No comments or suggested changes  ⃝ Comments and suggested changes are attached |
| **does not assign authority** to Study Group 17 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.1248 (ex X.cspim)** | **assigns authority** to Study Group 17 to consider this text for approval (in which case, select one of the two options ⃝):  ⃝ No comments or suggested changes  ⃝ Comments and suggested changes are attached |
| **does not assign authority** to Study Group 17 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 revised Recommendation ITU-T X.1541** | **assigns authority** to Study Group 17 to consider this text for approval (in which case, select one of the two options ⃝):  ⃝ No comments or suggested changes  ⃝ Comments and suggested changes are attached |
| **does not assign authority** to Study Group 17 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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