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| The International Teleocmmunication Union - Connecting the World. | **International telecommunication union**  **Telecommunication Standardization Bureau** | |  |
|  | | Geneva, 28 July 2025 | |
| **Ref:** | TSB Circular 65  SG13/TK | **To:**  - Administrations of Member States of the Union;  - The State of Palestine (Res. 99 (Rev. Dubai, 2018))  **Copy to:**  - ITU-T Sector Members;  - Associates of ITU-T Study Group 13;  - ITU Academia;  - The Chair and Vice-Chairs of ITU-T Study Group 13;  - The Director of the Telecommunication Development Bureau;  - The Director of the Radiocommunication Bureau | |
| Tel: | +41 22 730 5126 |
| Fax:  E-mail: | +41 22 730 5853  [tsbsg13@itu.int](mailto:tsbsg13@itu.int) |
| **Subject:** | **Member State consultation on Determined draft new Recommendations ITU-T Y.3188  (ex Y.LDT-reqs-funcs), ITU-T Y.3221 (ex Y.FMSC-LDS) and ITU-T** **Y.3222 (ex Y.FMSC-ConTrans), proposed for approval at the meeting of ITU-T Study Group 13, Tashkent, Uzbekistan,  28 October – 6 November 2025** | | |

Dear Sir/Madam,

1 ITU-T Study Group 13 (*Future networks and emerging network technologies*) intends to apply the Traditional Approval Procedure as described in Section 9 of WTSA Resolution 1 (Rev. Geneva, 2022) for the approval of draft new Recommendations ITU-T Y.3188, Y.3221 and Y.3222at its next meeting in Tashkent, Uzbekistan, from 28 October to 6 November 2025. The agenda and all relevant information concerning the ITU-T Study Group 13 meeting is available in Collective letter [3/13](https://www.itu.int/md/T25-SG13-COL-0003/en).

2 The title, summary and location of the draft Recommendationsproposed for approval can be found in **Annex 1**.

NOTE 1 – No ITU-T A.5 justification is currently needed for any of these draft Recommendations.

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 **16 October 2025**.

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.

NOTE 2 – As of the date of this Circular, no IPR statements had been received by TSB regarding 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/).

Yours faithfully,

Seizo Onoe  
Director of the Telecommunication  
Standardization Bureau

**Annexes:** 2

Annex 1  
Summary and location of Determined draft new Recommendations ITU-T Y.3188, ITU-T Y.3221 and ITU-T Y.3222

# 1 Draft new Recommendation ITU-T Y.3188 (ex Y.LDT-reqs-funcs), [[SG13-R8](https://www.itu.int/md/T25-SG13-R-0008/en)]

## IMT-2020 networks and beyond – Requirements and functions for applications demanding large data transmission

## Summary

With the continuous cloudification of enterprise ICT and the continuous deployment of advanced industrial sensors, virtual reality (VR) and artificial intelligence (AI) applications, more and more data need to be transmitted from enterprise branches and individual users to the cloud for processing, and the calculation results need to be quickly provided for feedback and collaboration. All these applications require large data transmission across the end-to-end networks. The end-to-end networks are required to provide new functions to support the applications demanding large data transmissions.

This Recommendation gives an overview of applications demanding large data transmission, analyses common application characteristics and identifies related requirements for IMT-2020 networks and beyond. According to the requirements, enhanced network functions and new network functions to support applications demanding large data transmission are specified with respect to IMT-2020 networks and beyond functions identified in ITU-T Y.3102.

NOTE 1 – The Recommendation focuses on the specification of requirements and network functions in an end-to-end network perspective and does not intend to address specifically how these network functions can be implemented, including via current and/or future technologies or protocols. The implementation of these network functions is expected to be developed by other appropriate SDOs.

NOTE 2 – The applications that generate large data and the network infrastructure where these applications are carried over are responsible for ensuring appropriate data privacy. Data privacy aspects are out of scope of the Recommendation.

# 2 Draft new Recommendation ITU-T Y.3221 (ex Y.FMSC-LDS) [[SG13-R9](https://www.itu.int/md/T25-SG13-R-0009/en)]

Fixed, mobile and satellite convergence – Local data switching for IMT-2020 networks and beyond

## Summary

Local data switching is a capability that enables the routing and processing of user data traffic locally for users accessing the network. Fixed, mobile and satellite convergence (FMSC) is the capability that provides services and applications to end users regardless of the fixed, mobile, or satellite access technologies being used. This Recommendation specifies the requirements, architecture, information flows, and security considerations of local data switching for FMSC, in the context of IMT-2020 networks and beyond.

# 3 Draft new Recommendation ITU-T Y.3222 (ex Y.FMSC-ConTrans) [[SG13-R10](https://www.itu.int/md/T25-SG13-R-0010/en)]

## Fixed, mobile and satellite convergence – Functional requirements and functional architecture of the transformer model based unified control entity

## Summary

One of the solutions to the unified control problems is the transformer model based control entity. When network control functions are implemented by the help of transformer model, the following advantages can be achieved: unified network control of the whole network, high extensibility, lower implementation cost, unified interface and better end-to-end service. Therefore, it is a good solution for network control function to be convergent with transformer model related technologies; and it is beneficial and appropriate to implement network control functions based on the transformer model.

Fixed, mobile and satellite convergence (FMSC) is the capability that provides services and applications to end users regardless of the fixed, mobile or satellite access technologies being used. This Recommendation specifies the basic model, functional requirements, functional architecture and interfaces of the transformer model based unified control entity (TUCE) for FMSC network and other heterogeneous networks.

Annex 2  
Subject: Member State response to TSB Circular 65:  
Consultation on Determined draft new Recommendations ITU-T Y.3188 (ex Y.LDT-reqs-funcs), ITU-T Y.3221 (ex Y.FMSC-LDS) and ITU-T Y.3222 (ex Y.FMSC-ConTrans)

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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 65, 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 Y.3188  (ex Y.LDT-reqs-funcs)** | **assigns authority** to Study Group 13 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 13 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 Y.3221  (ex Y.FMSC-LDS)** | **Select one of the two boxes** |
| **assigns authority** to Study Group 13 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 13 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 Y.3222  (ex Y.FMSC-ConTrans)** | **Select one of the two boxes** |
| **assigns authority** to Study Group 13 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 13 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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