

International Telecommunication Union

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

Y.2012

Corrigendum 1
(01/2008)

SERIES Y: GLOBAL INFORMATION
INFRASTRUCTURE, INTERNET PROTOCOL ASPECTS
AND NEXT-GENERATION NETWORKS

Next Generation Networks – Frameworks and functional
architecture models

Functional requirements and architecture of the
NGN release 1

Corrigendum 1

Recommendation ITU-T Y.2012 (2006) – Corrigendum 1



ITU-T Y-SERIES RECOMMENDATIONS
**GLOBAL INFORMATION INFRASTRUCTURE, INTERNET PROTOCOL ASPECTS AND NEXT-
GENERATION NETWORKS**

GLOBAL INFORMATION INFRASTRUCTURE

General	Y.100–Y.199
Services, applications and middleware	Y.200–Y.299
Network aspects	Y.300–Y.399
Interfaces and protocols	Y.400–Y.499
Numbering, addressing and naming	Y.500–Y.599
Operation, administration and maintenance	Y.600–Y.699
Security	Y.700–Y.799
Performances	Y.800–Y.899

INTERNET PROTOCOL ASPECTS

General	Y.1000–Y.1099
Services and applications	Y.1100–Y.1199
Architecture, access, network capabilities and resource management	Y.1200–Y.1299
Transport	Y.1300–Y.1399
Interworking	Y.1400–Y.1499
Quality of service and network performance	Y.1500–Y.1599
Signalling	Y.1600–Y.1699
Operation, administration and maintenance	Y.1700–Y.1799
Charging	Y.1800–Y.1899

NEXT GENERATION NETWORKS

Frameworks and functional architecture models	Y.2000–Y.2099
Quality of Service and performance	Y.2100–Y.2199
Service aspects: Service capabilities and service architecture	Y.2200–Y.2249
Service aspects: Interoperability of services and networks in NGN	Y.2250–Y.2299
Numbering, naming and addressing	Y.2300–Y.2399
Network management	Y.2400–Y.2499
Network control architectures and protocols	Y.2500–Y.2599
Security	Y.2700–Y.2799
Generalized mobility	Y.2800–Y.2899

For further details, please refer to the list of ITU-T Recommendations.

Recommendation ITU-T Y.2012

Functional requirements and architecture of the NGN release 1

Corrigendum 1

Summary

Corrigendum 1 to Recommendation ITU-T Y.2012 corrects Figures 3 and 6 as well as the corresponding context.

Source

Corrigendum 1 to Recommendation ITU-T Y.2012 (2006) was agreed on 25 January 2008 by ITU-T Study Group 13 (2005-2008).

FOREWORD

The International Telecommunication Union (ITU) is the United Nations specialized agency in the field of telecommunications, information and communication technologies (ICTs). The ITU Telecommunication Standardization Sector (ITU-T) is a permanent organ of ITU. ITU-T is responsible for studying technical, operating and tariff questions and issuing Recommendations on them with a view to standardizing telecommunications on a worldwide basis.

The World Telecommunication Standardization Assembly (WTSA), which meets every four years, establishes the topics for study by the ITU-T study groups which, in turn, produce Recommendations on these topics.

The approval of ITU-T Recommendations is covered by the procedure laid down in WTSA Resolution 1.

In some areas of information technology which fall within ITU-T's purview, the necessary standards are prepared on a collaborative basis with ISO and IEC.

NOTE

In this Recommendation, the expression "Administration" is used for conciseness to indicate both a telecommunication administration and a recognized operating agency.

Compliance with this Recommendation is voluntary. However, the Recommendation may contain certain mandatory provisions (to ensure e.g. interoperability or applicability) and compliance with the Recommendation is achieved when all of these mandatory provisions are met. The words "shall" or some other obligatory language such as "must" and the negative equivalents are used to express requirements. The use of such words does not suggest that compliance with the Recommendation is required of any party.

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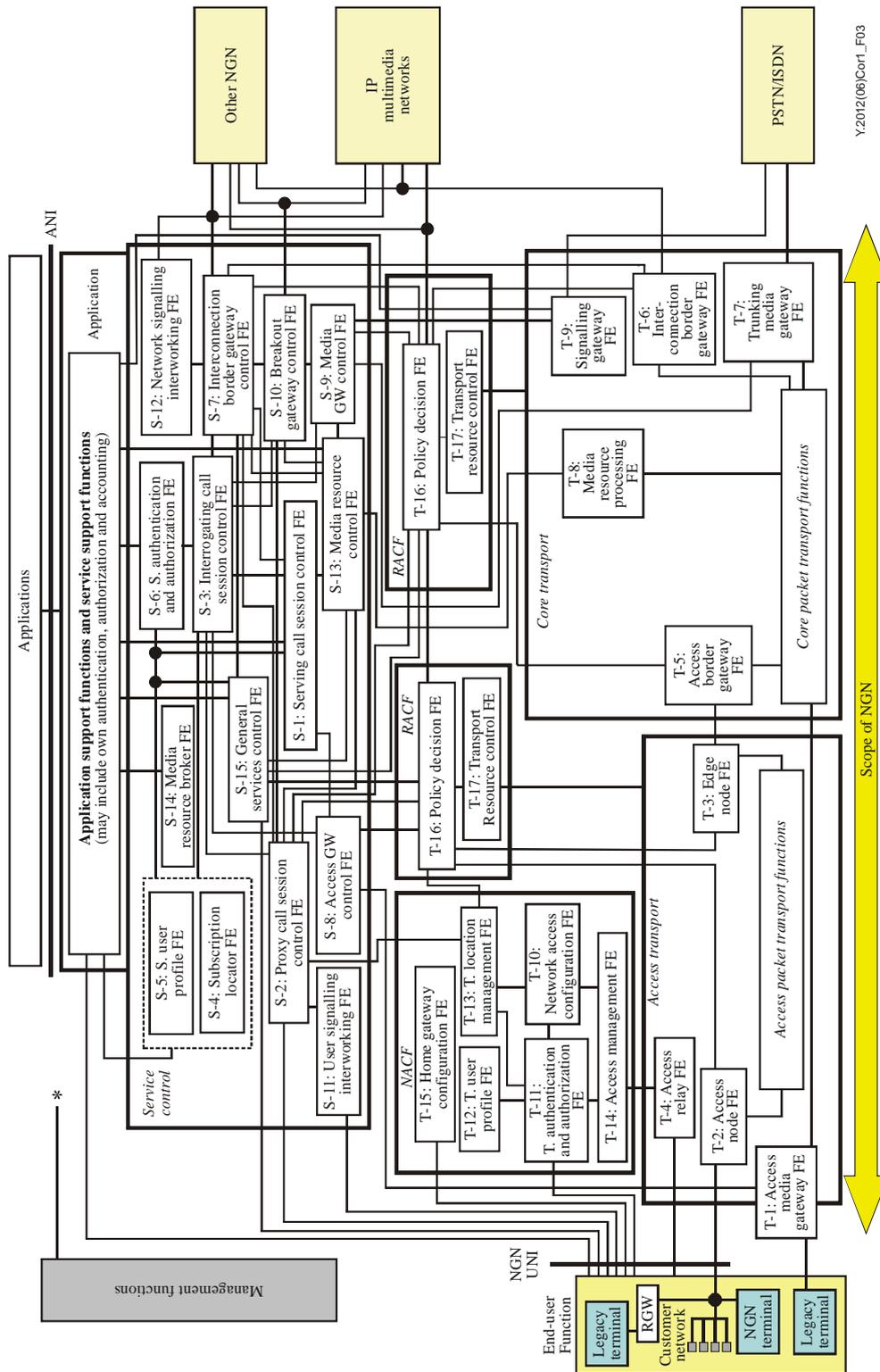
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Functional requirements and architecture of the NGN release 1

Corrigendum 1

1) Clause 9.2 (Generalized functional architecture)



Y.2012(06)/Cor1_F03

Figure 3 – NGN generalized functional architecture (refer to notes below)

Replace Note 2 as follows:

NOTE 2 – Any line terminating on the dotted box around S-4 and S-5 implies an implicit connection to either S-4 or S-5 or both. Inclusion of these two FEs in the dotted box does not imply that they are co-located.

Delete Note 11.

2) Clause 9.3.3 (Service control functional entities)

Replace the introductory text in clause 9.3.3 as follows:

Figure 6 shows the service stratum FEs.

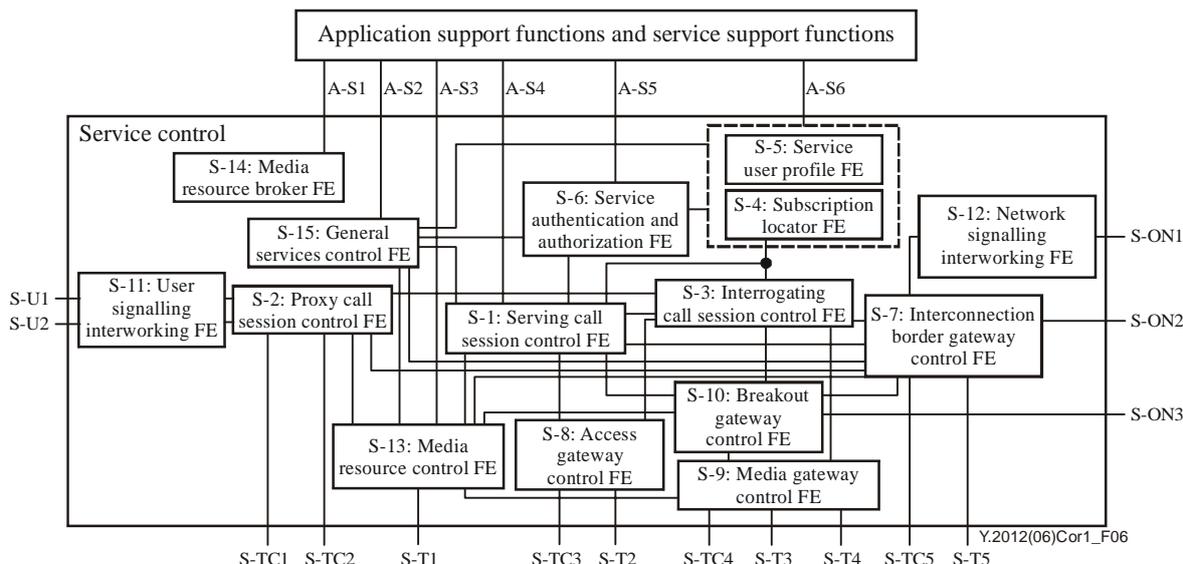


Figure 6 – Service stratum functional entities

NOTE 1 – It is for further study whether functions not currently in S-1 S-CSC-FE, S-2 P-CSC-FE and S-3 I-CSC-FE should be added to them or accommodated by S-15 GSC-FE. Depending on the outcome of this study, S-15 GSC-FE may be revisited in the future.

NOTE 2 – As an option, P-CSC-FE, IBC-FE, BGC-FE, and MGC-FE interact with MRC-FE in support of invoking transcoding.

NOTE 3 – Any line terminating on the dotted box around S-4 and S-5 implies an implicit connection to either S-4 or S-5 or both. Inclusion of these two FEs in the dotted box does not imply that they are co-located.

3) Clause 9.3.3.7 (S-7 interconnection border gateway control functional entity (IBC-FE))

Delete Note 2.

4) Clause 9.3.3.12 (S-12 network signalling interworking functional entity (NSIW-FE))

Delete Note 2.

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Series A	Organization of the work of ITU-T
Series D	General tariff principles
Series E	Overall network operation, telephone service, service operation and human factors
Series F	Non-telephone telecommunication services
Series G	Transmission systems and media, digital systems and networks
Series H	Audiovisual and multimedia systems
Series I	Integrated services digital network
Series J	Cable networks and transmission of television, sound programme and other multimedia signals
Series K	Protection against interference
Series L	Construction, installation and protection of cables and other elements of outside plant
Series M	Telecommunication management, including TMN and network maintenance
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Series O	Specifications of measuring equipment
Series P	Telephone transmission quality, telephone installations, local line networks
Series Q	Switching and signalling
Series R	Telegraph transmission
Series S	Telegraph services terminal equipment
Series T	Terminals for telematic services
Series U	Telegraph switching
Series V	Data communication over the telephone network
Series X	Data networks, open system communications and security
Series Y	Global information infrastructure, Internet protocol aspects and next-generation networks
Series Z	Languages and general software aspects for telecommunication systems