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ATIS-100066.2023

**Emergency Telecommunications Service (ETS) Network
Element Requirements for IMS-based Next Generation
Network (NGN) Phase 2**

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ATIS-1000066.2023, *Emergency Telecommunications Service (ETS) Network Element Requirements for IMS-based Next Generation Network (NGN) Phase 2*

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American National Standard for Telecommunications

**Emergency Telecommunications Service (ETS) Network
Element Requirements for IMS-based Next Generation
Network (NGN) Phase 2**

Alliance for Telecommunications Industry Solutions

Approved October 10, 2016 (Revised August 3, 2023)

American National Standards Institute, Inc.

Abstract

This standard specifies Emergency Telecommunications Service (ETS) requirements for an Internet Protocol (IP) Multimedia Subsystem (IMS) Core Network for support of Next Generation Network (NGN) Government Emergency Telecommunications Service (GETS) Voice and NGN GETS Video. These requirements further refine the procedures defined in the ETS Phase 1 Network Element Requirements for NGN IMS based Deployments standard [ATIS-1000023.2013]. In addition, OA&M requirements are specified.

Foreword

The information contained in this Foreword is not part of this American National Standard (ANS) and has not been processed in accordance with ANSI's requirements for an ANS. As such, this Foreword may contain material that has not been subjected to public review or a consensus process. In addition, it does not contain requirements necessary for conformance to the Standard.

The Alliance for Telecommunication Industry Solutions (ATIS) serves the public through improved understanding between providers, customers, and manufacturers. The Packet Technologies and Systems Committee (PTSC) develops and recommends standards and technical reports related to services, architectures, and signaling, in addition to related subjects under consideration in other North American and international standards bodies. PTSC coordinates and develops standards and technical reports relevant to telecommunications networks in the U.S., reviews and prepares contributions on such matters for submission to U.S. ITU-T and U.S. ITU-R Study Groups or other standards organizations, and reviews for acceptability or per contra the positions of other countries in related standards development and takes or recommends appropriate actions.

ANSI guidelines specify two categories of requirements: mandatory and recommendation. The mandatory requirements are designated by the word *shall* and recommendations by the word *should*. Where both a mandatory requirement and a recommendation are specified for the same criterion, the recommendation represents a goal currently identifiable as having distinct compatibility or performance advantages.

Suggestions for improvement of this document are welcome. They should be sent to the Alliance for Telecommunications Industry Solutions, PTSC, 1200 G Street NW, Suite 500, Washington, DC 20005.

At the time of consensus on this document, PTSC, which was responsible for its development, had the following leadership:

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American National Standard for Telecommunications on –

ETS Network Element Requirements for IMS-based NGN Phase 2

1 Scope

This standard specifies Emergency Telecommunications Service (ETS) requirements for an Internet Protocol (IP) Multimedia Subsystem (IMS) Core Network for support of Next Generation Network (NGN) Government Emergency Telecommunications Service (GETS) Voice and NGN GETS Video. NGN GETS is intended to preserve and extend Legacy GETS and Wireless Priority Service (WPS), as Service Providers transition their networks to IP-based packet-switched networks.

These requirements further refine the procedures defined in the ETS Phase 1 Network Element Requirements for NGN IMS based Deployments standard [ATIS-1000023.2013]. In addition, OA&M requirements are specified.

This standard is primarily developed for adoption by U.S. voice service providers. It is not precluded from being used internationally. Other countries or foreign voice service providers may adopt this standard and it may be implemented through bilateral agreements with business partners in the U.S. pursuant to their business agreements.

2 Normative References

The following standards contain provisions which, through reference in this text, constitute provisions of this Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below.

3GPP¹

[TS 23.002]	3GPP TS 23.002, Network Architecture (Release 11).
[TS 23.203]	3GPP TS 23.203, Policy and Charging Control Architecture (Release 11).
[TS 23.218]	3GPP TS 23.218, IP Multimedia (IM) Session Handling; IM call model; Stage 2 (Release 11).
[TS 23.228]	3GPP TS 23.228, IP Multimedia Subsystem (IMS); Stage 2 (Release 11).
[TS 24.229]	3GPP TS 24.229, Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3 (Release 11).
[TS 29.212]	3GPP TS 29.212, Policy and charging control over Gx reference point (Release 11).
[TS 29.213]	3GPP TS 29.213, Policy and charging control signalling flows and Quality of Service (QoS) parameter mapping (Release 11).
[TS 29.214]	3GPP TS 29.214, Policy and charging control over Rx reference point (Release 11).
[TS 29.215]	3GPP TS 29.215, Policy and Charging Control (PCC) over S9 reference point; Stage 3 (Release 11).

¹ These documents are available from the Third Generation Partnership Project (3GPP) at <<http://www.3gpp.org/specs/specs.htm>>.