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**ATIS-1000065-2015(R2020)**

**Emergency Telecommunications Service (ETS) Evolved  
Packet Core (EPC) Network Element Requirements**

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## ATIS-1000065.2015(R2020), *Emergency Telecommunications Services (ETS) Evolved Packet Core (EPC) Network Element Requirements*

Is an American National Standard developed by the **Signaling, Architecture, and Control (SAC)** Subcommittee under the **ATIS Packet Technologies and Systems Committee (PTSC)**.

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# Emergency Telecommunications Service (ETS) Evolved Packet Core (EPC) Network Element Requirements

Alliance for Telecommunications Industry Solutions

Approved February 20, 2015

American National Standard

## Abstract

This standard specifies Emergency Telecommunications Service (ETS) requirements for an Evolved Packet System (EPS) consisting of the Evolved UMTS (Universal Mobile Telecommunications System) Terrestrial Radio Access Network (E-UTRAN) and the Evolved Packet Core (EPC) for support of NGN GETS Voice, NGN GETS Video, NGN GETS Guaranteed Bit Rate (GBR) Data, and NGN GETS Data Transport.

## Foreword

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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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- V. Shaikh, PTSC Vice-Chair (Applied Communication Sciences)
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The Signaling, Architecture, and Control [SAC] Subcommittee was responsible for the development of this document.

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American National Standard for Telecommunications on –

# ETS EPC Network Element Requirements

## 1 Scope

### 1.1 Scope

This standard specifies Emergency Telecommunications Service (ETS) requirements for an Evolved Packet System (EPS) consisting of the Evolved UMTS (Universal Mobile Telecommunications System) Terrestrial Radio Access Network (E-UTRAN) and the Evolved Packet Core (EPC) for support of:

- NGN GETS Voice,
- NGN GETS Video,
- NGN GETS Guaranteed Bit Rate (GBR) Data, and
- NGN GETS Data Transport.

This standard describes requirements for NGN GETS treatments for:

- E-UTRA access for an NGN GETS session initiated from, or terminated to the UE via the E-UTRA air interface and the E-UTRAN access network;
- Advance Priority-SPR and Advance Priority-HSS;
- Congestion control;
- Circuit Switched Fallback (CSFB) to UTRAN/GERAN;
- CSFB to 1xRTT;
- Intra-RAT E-UTRAN handover;
- Inter-RAT (IRAT) handover to/from the UMTS PS domain; and
- IRAT handover to/from eHRPD.

This standard assumes a 3GPP Release 10 system.

## 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.

### 3GPP<sup>1</sup>

[TS 22.011] TS 22.011, Service accessibility (Release 8).

[TS 23.203] TS 23.203, Policy and Charging Control Architecture (Release 10).

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