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**3RD GENERATION
PARTNERSHIP
PROJECT 2
"3GPP2"**

1x Calling Party Number Presentation (CPNP) during e1xCSFB

Stage 1 Requirements

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REVISION HISTORY

Revision	Description of Changes	Date
Rev 0 v1.0	Initial Publication	March 31, 2011

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1 **Foreword**

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3 This foreword is not part of this specification.

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5 This document specifies the system requirements for Calling Party Number
6 Presentation (CPNP) for Enhanced 1x Circuit Switched Fallback [e1xCSFB]
7 from LTE.

8

1 **1 INTRODUCTION AND SCOPE**

2 This document specifies the system requirements for Calling Party
3 Number Presentation (CPNP) for Enhanced 1x Circuit Switched Fallback
4 [e1xCSFB] from LTE. This feature allows the network to deliver calling
5 party information to the UE for mobile terminated e1xCSFB call so that
6 the user can choose to accept or reject the call.

7

8 **2 INFORMATIVE REFERENCES**

9 References are either specific (identified by date of publication, revision
10 identifier, and version number) or non-specific. For a specific reference,
11 subsequent revisions may not apply. For a non-specific reference, the
12 latest revision applies.

13 The document references which are applicable to this specification
14 include the following:

- 15 [1] 3GPP TS 23.272, *3rd Generation Partnership Project; Technical*
16 *Specification Group Services and Systems Aspects; Circuit Switched*
17 *(CS) fallback in Evolved Packet System (EPS).*

18 **3 DEFINITIONS AND ABBREVIATIONS**

19 The terms and abbreviations which are used within this specification are
20 defined as follows:

21 **3.1 Definitions**

22 **Calling Party Number Presentation:** is a feature which enables the
23 calling party information being presented to the user in a mobile
24 terminated procedure with e1xCSFB.

25 **3.2 Abbreviations**

26 The terms and abbreviations which are used within this specification are
27 defined as follows:

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Term	Definition
1x	cdma2000 ^{®1} 1x
1x CS	1x Circuit Switched
3GPP2	Third Generation Partnership Project 2
BSC	Base Station Controller
CPNP	Calling Party Number Presentation
e1xCSFB	Enhanced 1x Circuit Switched Fallback
IWS	Interworking Solution
LTE	Long Term Evolution
UE	User Equipment

2 **4 GENERAL FEATURE DESCRIPTION**

3 Calling Party Number Presentation is a fundamental feature in the native
 4 1x system, which allows the UE to alert the user with calling party
 5 number. The user determines whether or not to answer the call based on
 6 this information. CPNP for e1xCSFB intends to mimic the CPNP feature
 7 of 1x system for an e1xCSFB capable UE.

8 **5 DETAILED REQUIREMENTS**

9 **CPNP-01:** The network shall deliver the calling party information to the
 10 UE if the calling party information is available for the case of mobile
 11 terminated e1xCSFB.

12 **CPNP-02:** If calling party information is received from the core network,
 13 the UE shall present it to the user before the call is answered by the
 14 user. The user shall be able to answer or reject the call based on the
 15 calling party information.

16 **CPNP-03:** Impact to legacy cdma2000 circuit switched core network
 17 and RAN should be minimized.

18 **CPNP-04:** This feature shall be applicable for both standalone IWS and
 19 integrated IWS/BSC architecture that support e1xCSFB.
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¹ cdma2000[®] is the trademark for the technical nomenclature for certain specifications and standards of the Organizational Partners (OPs) of 3GPP2. Geographically (and as of the date of publication), cdma2000[®] is a registered trademark of the Telecommunications Industry Association (TIA-USA) in the United States.

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