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3RD GENERATION  
PARTNERSHIP  
PROJECT 2  
"3GPP2"

# **OAM&P Stage 2/3 for cdma2000 (3GPP Delta Specification)**

## **Revision: B**

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## 1 SCOPE

2 This document is intended to define the OAM&P Stage 2 and 3 requirements  
3 and interface definitions for cdma2000-based systems.

## 4 REFERENCES

- 5     [01] 3GPP2 S.R0017-0     3G Wireless Network Management System High  
6                                     Level Requirements; Revision: 0
- 7     [02] 3GPP 3G TS 32.101:   "3G Telecom Management principles and high  
8                                     level requirements"; V3.1.1 (Release 99)
- 9     [03] 3GPP 3G TS 32.102:   "3G Telecom Management architecture"; V3.1.1  
10                                    (Release 99)
- 11    [04] 3GPP 3G TS 32.104:   "3G Performance Management"; V3.1.1 (Release  
12                                    99)
- 13    [05] 3GPP 3G TS 32.106-1:  "3G Configuration Management"; V3.0.1c  
14                                    (Release 99)
- 15    [06] 3GPP 3G TS 32.106-2:  "Notification Integration Reference Point:  
16                                    Information Service Version 1"; V3.0.1c (Release  
17                                    99)
- 18    [07] 3GPP 3G TS 32.106-3:  "Notification IRP: CORBA Solution Set Version  
19                                    1:1"; V3.0.1c (Release 99)
- 20    [08] 3GPP 3G TS 32.106-4:  "Notification Integration Reference Point: CMIP  
21                                    Solution Set Version 1:1"; V3.0.1c (Release 99)
- 22    [09] reserved
- 23    [10] reserved
- 24    [11] reserved
- 25    [12] 3GPP 3G TS 32.106-8:  "Name Convention for Managed Objects";  
26                                    V3.0.1c (Release 99)
- 27    [13] 3GPP 3G TS 32.111-1:  "3G Fault Management"; V3.1.0 (Release 99)



## 1 Overview of OAM&P Stage 2/3 for cdma2000 (3GPP Delta Specification)

2 The structure of this document is aligned with the structure of the 3GPP 32-  
3 series of specifications (excluding the Billing and Charging related definitions  
4 specified in 32.105 as well as 32.005 and 32.015):

5 ~~32.101~~ 32.101 "3G Telecom Management principles and high level  
6 requirements" (see [2]) contains complementary and extended  
7 requirements to [1] as well as the definition of the logical  
8 management architecture.

9 ~~32.102~~ 32.102 "3G Telecom Management architecture" " (see [3]) defines a  
10 framework to help define a telecom management physical  
11 architecture and to adopt standards and provide products that are  
12 easy to integrate.

13 ~~32.104~~ 32.104 "3G Performance Management"" (see [4]) contains general  
14 requirements on performance management as well as definitions for  
15 the transfer of measurement files.

16 ~~The 32.106-series~~ The 32.106-series (see [5]-[12])contains configuration management  
17 requirements as well as related definitions for the management  
18 interface between element management function and network  
19 mangement system (Notification IRP).

20 ~~The 32.111-series~~ The 32.111-series (see [13]-[16]) contains fault management  
21 requirements as well as related definitions for the management  
22 interface between element management function and network  
23 mangement system (Alarm IRP).

## 1 **32.101 "3G Telecom Management principles and high level requirements"**

2 (see [02])

### 3 **General Exceptions**

4 The term UMTS is not applicable for the cdma2000 family of standards.  
5 Nevertheless the term UMTS is used in 3GPP 32.101 [02] mostly in the broader  
6 sense of "3G Wireless System". If not stated otherwise there are no additions or  
7 exclusions required.

### 8 **Specific Exceptions**

#### 9 Chapter 01: Scope

10 There are no additions or exclusions.

#### 11 Chapter 02: References

12 Normative Reference on TS 22.101 is not applicable for cdma2000  
13 systems.

#### 14 Chapter 03: Definitions and abbreviations

15 There are no additions or exclusions.

#### 16 Chapter 04: General

17 The UMTS reference model introduced in chapter 4.1.2 ("UMTS Reference  
18 Model") is not applicable for cdma2000 systems (including the listed  
19 signalling mechanisms). The IS-2000 Network Reference Model and  
20 network interfaces will apply (see [50]).

21 Reference on TS 22.101 in chapter 4.1.3 ("UMTS Provisioning Entities") is  
22 not applicable for cdma2000 systems.

#### 23 Chapter 05: Architectural Framework

24 With respect to chapter 5.5 ("Interface Definition") the following  
25 clarifications shall apply:

26 ~~26~~ Atf-N is the "Northbound" interface between the Network  
27 Management System and the Element Manager/Network Element.

1           ~~R~~~~N~~C is equivalent to BSC in cdma2000 systems and shall be  
2           interpreted as such.

3           ~~N~~~~o~~d~~e~~B is equivalent to BTS in cdma2000 systems and shall be  
4           interpreted as such.

5           ~~I~~~~u~~b as UMTS defined interface is not applicable for cdma2000  
6           systems.

7    Chapter 06: UMTS Management Processes

8           There are no additions or exclusions.

9    Chapter 07: Process Decompositions

10          There are no additions or exclusions.

11   Chapter 08: UMTS Management Functional Architecture

12          Chapter 8.9 (“Accounting Management”) is not applicable for the IS-2000  
13          Release B version of this document (see also related statement in section  
14          “General” of this document).

15   Chapter 09: Methodology

16          There are no additions or exclusions.

17   Annex A (normative): UMTS Management Application Layer Protocols

18          There are no additions or exclusions.

19   Annex B (normative): UMTS Management Network Layer Protocols

20          There are no additions or exclusions.

21   Annex C (normative): UMTS Management IRP Solution Sets

22          There are no additions or exclusions.

23   Annex D (informative): Change history

24          There are no additions or exclusions.

25

## 1 **32.102 "3G Telecom Management architecture"**

2 (see [03])

### 3 **General Exceptions**

4 The term UMTS is not applicable for the cdma2000 family of standards.  
5 Nevertheless the term UMTS is used in 3GPP 32.102 [03] mostly in the broader  
6 sense of "3G Wireless System". If not stated otherwise there are no additions or  
7 exclusions required.

### 8 **Specific Exceptions**

#### 9 Chapter 01: Scope

10 There are no additions or exclusions.

#### 11 Chapter 02: References

12 There are no additions or exclusions.

#### 13 Chapter 03: Definitions, symbols and abbreviations

14 There are no additions or exclusions.

#### 15 Chapter 04: General

16 The UMTS reference model introduced in chapter 4.1.2 ("UMTS Reference  
17 Model") is not applicable for cdma2000 systems (including the listed  
18 signalling mechanisms). The IS-2000 Network Reference Model and  
19 network interfaces will apply (see [50]).

20 Reference on TS22.101 in chapter 4.1.3 ("UMTS Provisioning Entities") is  
21 not applicable for cdma2000 systems.

#### 22 Chapter 05: General view of UMTS Management Physical architectures

23 There are no additions or exclusions.

#### 24 Chapter 06: Basic objectives for a UMTS Physical Architecture

25 There are no additions or exclusions.

1 Chapter 07: TM Architectural aspects

2 The OSF instantiations presented within Figure 2 of chapter 7.3.1  
3 (“Interfaces”) are not applicable for cdma2000. The IS-2000 Network  
4 Reference Model and related interworking with 2G systems might apply  
5 (see [50]).

6 The Element Management Domains and Interfaces presented (see Figure  
7 3) and described within chapter 7.3.1 (“Interfaces”) are not applicable for  
8 cdma2000 systems. The IS-2000 Network Reference Model and network  
9 interfaces will apply (see [50]).

10 Chapter 08: UMTS Management Physical architectures

11 Interface definitions made in Chapter 8.3 (“Network & Subnetwork  
12 Element Management Architecture”) on resource management functions  
13 between RNC and NodeB are not applicable for cmda2000 systems. For  
14 clarification please note:

15 ~~✎~~RNC is equivalent to BSC in cdma2000 systems and shall be  
16 interpreted as such.

17 ~~✎~~NodeB is equivalent to BTS in cdma2000 systems and shall be  
18 interpreted as such.

19 Chapter 09: TMN applications

20 There are no additions or exclusions.

21 Chapter 10: Integration Reference Points

22 There are no additions or exclusions.

23 Chapter 11: Implementation aspects

24 There are no additions or exclusions.

25 Chapter 12: TMN planning and design considerations

26 There are no additions or exclusions.

27 Chapter 13: Mediation/Integration

28 There are no additions or exclusions.

29 Annex A (informative): Technology considerations

30 There are no additions or exclusions.

- 1 Annex B (informative): \_\_\_\_\_ Change history.
- 2       There are no additions or exclusions.
- 3

## 1 **32.104 “Performance Management”**

2 (see [04])

### 3 **General Exceptions**

4 There are no global additions or exclusions for 3GPP 32.104 [04].

### 5 **Specific Exceptions**

#### 6 *Chapter 01: Scope*

7 There are no additions or exclusions.

#### 8 *Chapter 02: References*

9 Normative Reference on TS 25.442 is not applicable for cdma2000  
10 systems.

11 Informative Reference on 3G TR I3.05 is not applicable for cdma2000  
12 systems.

#### 13 *Chapter 03: Definitions and Abbreviations*

14 There are no additions or exclusions.

#### 15 *Chapter 04: Performance measurement concept*

16 There are no additions or exclusions.

#### 17 *Chapter 05: Performance management requirements*

18 Reference on TS 25.442 in chapter 5.1.1 (“Basic Functions”) is not  
19 applicable for cdma2000 systems. In addition the following clarifications  
20 shall apply to definitions made in chapter 5.1.1:

21 ~~2.1~~ ~~2.2~~ ~~2.3~~ ~~2.4~~ ~~2.5~~ ~~2.6~~ ~~2.7~~ ~~2.8~~ ~~2.9~~ ~~2.10~~ ~~2.11~~ ~~2.12~~ ~~2.13~~ ~~2.14~~ ~~2.15~~ ~~2.16~~ ~~2.17~~ ~~2.18~~ ~~2.19~~ ~~2.20~~ ~~2.21~~ ~~2.22~~ ~~2.23~~ ~~2.24~~ ~~2.25~~ ~~2.26~~ ~~2.27~~ ~~2.28~~ ~~2.29~~ ~~2.30~~ ~~2.31~~ ~~2.32~~ ~~2.33~~ ~~2.34~~ ~~2.35~~ ~~2.36~~ ~~2.37~~ ~~2.38~~ ~~2.39~~ ~~2.40~~ ~~2.41~~ ~~2.42~~ ~~2.43~~ ~~2.44~~ ~~2.45~~ ~~2.46~~ ~~2.47~~ ~~2.48~~ ~~2.49~~ ~~2.50~~ ~~2.51~~ ~~2.52~~ ~~2.53~~ ~~2.54~~ ~~2.55~~ ~~2.56~~ ~~2.57~~ ~~2.58~~ ~~2.59~~ ~~2.60~~ ~~2.61~~ ~~2.62~~ ~~2.63~~ ~~2.64~~ ~~2.65~~ ~~2.66~~ ~~2.67~~ ~~2.68~~ ~~2.69~~ ~~2.70~~ ~~2.71~~ ~~2.72~~ ~~2.73~~ ~~2.74~~ ~~2.75~~ ~~2.76~~ ~~2.77~~ ~~2.78~~ ~~2.79~~ ~~2.80~~ ~~2.81~~ ~~2.82~~ ~~2.83~~ ~~2.84~~ ~~2.85~~ ~~2.86~~ ~~2.87~~ ~~2.88~~ ~~2.89~~ ~~2.90~~ ~~2.91~~ ~~2.92~~ ~~2.93~~ ~~2.94~~ ~~2.95~~ ~~2.96~~ ~~2.97~~ ~~2.98~~ ~~2.99~~ ~~2.100~~ ~~2.101~~ ~~2.102~~ ~~2.103~~ ~~2.104~~ ~~2.105~~ ~~2.106~~ ~~2.107~~ ~~2.108~~ ~~2.109~~ ~~2.110~~ ~~2.111~~ ~~2.112~~ ~~2.113~~ ~~2.114~~ ~~2.115~~ ~~2.116~~ ~~2.117~~ ~~2.118~~ ~~2.119~~ ~~2.120~~ ~~2.121~~ ~~2.122~~ ~~2.123~~ ~~2.124~~ ~~2.125~~ ~~2.126~~ ~~2.127~~ ~~2.128~~ ~~2.129~~ ~~2.130~~ ~~2.131~~ ~~2.132~~ ~~2.133~~ ~~2.134~~ ~~2.135~~ ~~2.136~~ ~~2.137~~ ~~2.138~~ ~~2.139~~ ~~2.140~~ ~~2.141~~ ~~2.142~~ ~~2.143~~ ~~2.144~~ ~~2.145~~ ~~2.146~~ ~~2.147~~ ~~2.148~~ ~~2.149~~ ~~2.150~~ ~~2.151~~ ~~2.152~~ ~~2.153~~ ~~2.154~~ ~~2.155~~ ~~2.156~~ ~~2.157~~ ~~2.158~~ ~~2.159~~ ~~2.160~~ ~~2.161~~ ~~2.162~~ ~~2.163~~ ~~2.164~~ ~~2.165~~ ~~2.166~~ ~~2.167~~ ~~2.168~~ ~~2.169~~ ~~2.170~~ ~~2.171~~ ~~2.172~~ ~~2.173~~ ~~2.174~~ ~~2.175~~ ~~2.176~~ ~~2.177~~ ~~2.178~~ ~~2.179~~ ~~2.180~~ ~~2.181~~ ~~2.182~~ ~~2.183~~ ~~2.184~~ ~~2.185~~ ~~2.186~~ ~~2.187~~ ~~2.188~~ ~~2.189~~ ~~2.190~~ ~~2.191~~ ~~2.192~~ ~~2.193~~ ~~2.194~~ ~~2.195~~ ~~2.196~~ ~~2.197~~ ~~2.198~~ ~~2.199~~ ~~2.200~~ ~~2.201~~ ~~2.202~~ ~~2.203~~ ~~2.204~~ ~~2.205~~ ~~2.206~~ ~~2.207~~ ~~2.208~~ ~~2.209~~ ~~2.210~~ 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~~2.511~~ ~~2.512~~ ~~2.513~~ ~~2.514~~ ~~2.515~~ ~~2.516~~ ~~2.517~~ ~~2.518~~ ~~2.519~~ ~~2.520~~ ~~2.521~~ ~~2.522~~ ~~2.523~~ ~~2.524~~ ~~2.525~~ ~~2.526~~ ~~2.527~~ ~~2.528~~ ~~2.529~~ ~~2.530~~ ~~2.531~~ ~~2.532~~ ~~2.533~~ ~~2.534~~ ~~2.535~~ ~~2.536~~ ~~2.537~~ ~~2.538~~ ~~2.539~~ ~~2.540~~ ~~2.541~~ ~~2.542~~ ~~2.543~~ ~~2.544~~ ~~2.545~~ ~~2.546~~ ~~2.547~~ ~~2.548~~ ~~2.549~~ ~~2.550~~ ~~2.551~~ ~~2.552~~ ~~2.553~~ ~~2.554~~ ~~2.555~~ ~~2.556~~ ~~2.557~~ ~~2.558~~ ~~2.559~~ ~~2.560~~ ~~2.561~~ ~~2.562~~ ~~2.563~~ ~~2.564~~ ~~2.565~~ ~~2.566~~ ~~2.567~~ ~~2.568~~ ~~2.569~~ ~~2.570~~ ~~2.571~~ ~~2.572~~ ~~2.573~~ ~~2.574~~ ~~2.575~~ ~~2.576~~ ~~2.577~~ ~~2.578~~ ~~2.579~~ ~~2.580~~ ~~2.581~~ ~~2.582~~ ~~2.583~~ ~~2.584~~ ~~2.585~~ ~~2.586~~ ~~2.587~~ ~~2.588~~ ~~2.589~~ ~~2.590~~ ~~2.591~~ ~~2.592~~ ~~2.593~~ ~~2.594~~ ~~2.595~~ ~~2.596~~ ~~2.597~~ ~~2.598~~ ~~2.599~~ ~~2.600~~ ~~2.601~~ ~~2.602~~ ~~2.603~~ ~~2.604~~ ~~2.605~~ ~~2.606~~ ~~2.607~~ ~~2.608~~ ~~2.609~~ ~~2.610~~ 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~~2.811~~ ~~2.812~~ ~~2.813~~ ~~2.814~~ ~~2.815~~ ~~2.816~~ ~~2.817~~ ~~2.818~~ ~~2.819~~ ~~2.820~~ ~~2.821~~ ~~2.822~~ ~~2.823~~ ~~2.824~~ ~~2.825~~ ~~2.826~~ ~~2.827~~ ~~2.828~~ ~~2.829~~ ~~2.830~~ ~~2.831~~ ~~2.832~~ ~~2.833~~ ~~2.834~~ ~~2.835~~ ~~2.836~~ ~~2.837~~ ~~2.838~~ ~~2.839~~ ~~2.840~~ ~~2.841~~ ~~2.842~~ ~~2.843~~ ~~2.844~~ ~~2.845~~ ~~2.846~~ ~~2.847~~ ~~2.848~~ ~~2.849~~ ~~2.850~~ ~~2.851~~ ~~2.852~~ ~~2.853~~ ~~2.854~~ ~~2.855~~ ~~2.856~~ ~~2.857~~ ~~2.858~~ ~~2.859~~ ~~2.860~~ ~~2.861~~ ~~2.862~~ ~~2.863~~ ~~2.864~~ ~~2.865~~ ~~2.866~~ ~~2.867~~ ~~2.868~~ ~~2.869~~ ~~2.870~~ ~~2.871~~ ~~2.872~~ ~~2.873~~ ~~2.874~~ ~~2.875~~ ~~2.876~~ ~~2.877~~ ~~2.878~~ ~~2.879~~ ~~2.880~~ ~~2.881~~ ~~2.882~~ ~~2.883~~ ~~2.884~~ ~~2.885~~ ~~2.886~~ ~~2.887~~ ~~2.888~~ ~~2.889~~ ~~2.890~~ ~~2.891~~ ~~2.892~~ ~~2.893~~ ~~2.894~~ ~~2.895~~ ~~2.896~~ ~~2.897~~ ~~2.898~~ ~~2.899~~ ~~2.900~~ ~~2.901~~ ~~2.902~~ ~~2.903~~ ~~2.904~~ ~~2.905~~ ~~2.906~~ ~~2.907~~ ~~2.908~~ ~~2.909~~ ~~2.910~~ ~~2.911~~ ~~2.912~~ ~~2.913~~ ~~2.914~~ ~~2.915~~ ~~2.916~~ ~~2.917~~ ~~2.918~~ ~~2.919~~ ~~2.920~~ ~~2.921~~ ~~2.922~~ ~~2.923~~ ~~2.924~~ ~~2.925~~ ~~2.926~~ ~~2.927~~ ~~2.928~~ ~~2.929~~ ~~2.930~~ ~~2.931~~ ~~2.932~~ ~~2.933~~ ~~2.934~~ ~~2.935~~ ~~2.936~~ ~~2.937~~ ~~2.938~~ ~~2.939~~ ~~2.940~~ ~~2.941~~ ~~2.942~~ ~~2.943~~ ~~2.944~~ ~~2.945~~ ~~2.946~~ ~~2.947~~ ~~2.948~~ ~~2.949~~ ~~2.950~~ ~~2.951~~ ~~2.952~~ ~~2.953~~ ~~2.954~~ ~~2.955~~ ~~2.956~~ ~~2.957~~ ~~2.958~~ ~~2.959~~ ~~2.960~~ ~~2.961~~ ~~2.962~~ ~~2.963~~ ~~2.964~~ ~~2.965~~ ~~2.966~~ ~~2.967~~ ~~2.968~~ ~~2.969~~ ~~2.970~~ ~~2.971~~ ~~2.972~~ ~~2.973~~ ~~2.974~~ ~~2.975~~ ~~2.976~~ ~~2.977~~ ~~2.978~~ ~~2.979~~ ~~2.980~~ ~~2.981~~ ~~2.982~~ ~~2.983~~ ~~2.984~~ ~~2.985~~ ~~2.986~~ ~~2.987~~ ~~2.988~~ ~~2.989~~ ~~2.990~~ ~~2.991~~ ~~2.992~~ ~~2.993~~ ~~2.994~~ ~~2.995~~ ~~2.996~~ ~~2.997~~ ~~2.998~~ ~~2.999~~ ~~3.000~~ ~~3.001~~ ~~3.002~~ ~~3.003~~ ~~3.004~~ ~~3.005~~ ~~3.006~~ ~~3.007~~ ~~3.008~~ ~~3.009~~ ~~3.010~~ ~~3.011~~ ~~3.012~~ ~~3.013~~ ~~3.014~~ ~~3.015~~ ~~3.016~~ ~~3.017~~ ~~3.018~~ ~~3.019~~ ~~3.020~~ ~~3.021~~ ~~3.022~~ ~~3.023~~ ~~3.024~~ ~~3.025~~ ~~3.026~~ ~~3.027~~ ~~3.028~~ ~~3.029~~ ~~3.030~~ ~~3.031~~ ~~3.032~~ ~~3.033~~ ~~3.034~~ ~~3.035~~ ~~3.036~~ ~~3.037~~ ~~3.038~~ ~~3.039~~ ~~3.040~~ ~~3.041~~ ~~3.042~~ ~~3.043~~ ~~3.044~~ ~~3.045~~ ~~3.046~~ ~~3.047~~ ~~3.04~~

1           ~~Sub~~ as UMTS defined interface is not applicable for cdma2000  
2           systems.

3 Annex A (normative): Measurement Report File Format

4           There are no additions or exclusions.

5 Annex B (normative): Measurement Report File Conventions and Transfer Procedure

6           Reference on TS 25.442 in chapter B.1.1 (“NE based approach”) is not  
7           applicable for cdma2000 systems. In addition the following clarifications  
8           shall apply to definitions made in chapter 5.1.1:

9           ~~RNC~~ is equivalent to BSC in cdma2000 systems and shall be  
10          interpreted as such.

11          ~~NodeB~~ is equivalent to BTS in cdma2000 systems and shall be  
12          interpreted as such.

13          ~~Sub~~ as UMTS defined interface is not applicable for cdma2000  
14          systems.

15 Annex C (normative): Performance Measurement Requirements Summary

16          Chapter C1-C9 are not applicable for cdma2000 systems in the form as  
17          they are specified in the current version of [4]. As soon as 3GPP will define  
18          the specific measurement for 3G wireless systems 3GPP2 will evaluate the  
19          outcome for maximum re-use. The definition of cdma2000 specific  
20          measurements is for further study.

21 Annex D (informative): \_\_\_\_\_ Change history

22          There are no additions or exclusions.

23

## 1 **32.106-series "Configuration Management"**

2 (see [05]-[12])

### 3 **General Exceptions**

4 Both, 3GPP 32.106-1 [05] and 3GPP 32.106-8 [12], contain references to 3GPP  
5 specification 3G TS 32.106-5 "Basic Configuration Management IRP:  
6 Information Model" – a document which has not yet been approved by 3GPP for  
7 Release 99. Therefore related references are not applicable for current version of  
8 this document.

9 There are no global additions or exclusions for 3GPP 32.106-2 [06], 3GPP  
10 32.106-3 [07] and 3GPP 32.106-4 [08].

### 11 **Specific Exceptions**

#### 12 **32.106-1 "3G Configuration Management"**

13 (see [05])

##### 14 Chapter 01: Scope

15 References to 32.106-5, 32.106-6 and 32.106-7 are not applicable for  
16 current version of this document as these documents are not yet  
17 approved by 3GPP for Release 99.

##### 18 Chapter 02: References

19 There are no additions or exclusions.

##### 20 Chapter 03: Definitions and abbreviations

21 There are no additions or exclusions.

##### 22 Chapter 04: Network configuration management

23 There are no additions or exclusions.

##### 24 Chapter 05: Configuration management service components

25 There are no additions or exclusions.

1 Chapter 06: Configuration management functions

2 There are no additions or exclusions.

3 Chapter 07: Itf-N Interface

4 There are no additions or exclusions.

5 Annex A (informative): Change history

6 There are no additions or exclusions.

7 **32.106-2 " Notification IRP: Information Service Version 1"**

8 (see [06])

9 Chapter 01: Scope

10 There are no additions or exclusions.

11 Chapter 02: References

12 There are no additions or exclusions.

13 Chapter 03: Definitions and abbreviations

14 There are no additions or exclusions.

15 Chapter 04: System Overview

16 There are no additions or exclusions.

17 Chapter 05: Modelling Approach

18 There are no additions or exclusions.

19 Chapter 06: IRP Information Service

20 There are no additions or exclusions.

21 Annex A (informative): Change history

22 There are no additions or exclusions.

23 **32.106-3 " Notification IRP: CORBA Solution Set Version 1:1"**

24 (see [07])

25 Chapter 01: Scope

26 There are no additions or exclusions.

1 Chapter 02: References

2 There are no additions or exclusions.

3 Chapter 03: Definitions and abbreviations

4 There are no additions or exclusions.

5 Chapter 04: Architectural Features

6 There are no additions or exclusions.

7 Chapter 05: Mapping

8 There are no additions or exclusions.

9 Chapter 06: Use of OMG Notification StructuredEvent

10 There are no additions or exclusions.

11 Chapter 07: IRP Agent's Behaviour

12 There are no additions or exclusions.

13 Chapter 08: Example

14 There are no additions or exclusions.

15 Appendix A: Notification IRP CORBA IDL

16 There are no additions or exclusions.

17 Annex A (informative): Change history

18 There are no additions or exclusions.

19 **32.106-4 " Notification IRP: CMIP Solution Set Version 1:1"**

20 (see [08])

21 Chapter 01: Scope

22 There are no additions or exclusions.

23 Chapter 02: References

24 There are no additions or exclusions.

25 Chapter 03: Definitions and abbreviations

26 There are no additions or exclusions.

1 Chapter 04: Basic aspects

2 There are no additions or exclusions.

3 Chapter 05: GDMO definitions

4 There are no additions or exclusions.

5 Chapter 06: ASN.1 definitions

6 There are no additions or exclusions.

7 Annex A (informative): Change history

8 There are no additions or exclusions.

9 **32.106-8 " Name Convention for Managed Objects"**

10 (see [12])

11 Chapter 01: Scope

12 There are no additions or exclusions.

13 Chapter 02: References

14 There are no additions or exclusions.

15 Definitions and abbreviations

16 There are no additions or exclusions.

17 System Overview

18 There are no additions or exclusions.

19 Name Convention for Managed Objects

20 There are no additions or exclusions.

21 Representations of DN

22 There are no additions or exclusions.

23 String Representation of DN

24 There are no additions or exclusions.

25 Examples

26 There are no additions or exclusions.

1 Usage Scenario

2       There are no additions or exclusions.

3 Appendix A: Mapping of RDN AttributeType to Strings

4       There are no additions or exclusions.

5 Appendix B: Rule for MO Designers regarding AttributeType interpretation

6       There are no additions or exclusions.

7 Appendix C: DN Prefix and Local Distinguished Name (LDN)

8       There are no additions or exclusions.

9 Annex A (informative): Change history

10       There are no additions or exclusions.

11

1 **32.111-series "Fault Management"**

2 (see [13]-[16])

3 **General Exceptions**

4 There are no global additions or exclusions for 3GPP 32.111-1 [13], 3GPP  
5 32.111-2 [14], 3GPP 32.111-3 [15] and 3GPP 32.111-4 [16].

6 **Specific Exceptions**

7 **32.111-1 "3G Fault Management"**

8 (see [13])

9 Chapter 01: Scope

10 There are no additions or exclusions.

11 Chapter 02: References

12 There are no additions or exclusions.

13 Chapter 03: Definitions and abbreviations

14 There are no additions or exclusions.

15 Chapter 04: Fault Management concept and requirements

16 There are no additions or exclusions.

17 Chapter x: Fault management requirements

18 There are no additions or exclusions (there are no requirements in this  
19 version of [13]).

20 Chapter 05: N interface (Itf-N)

21 There are no additions or exclusions.

22 Annex A (informative): Change history

23 There are no additions or exclusions.

1 **32.111-2 "Alarm Integration Reference Point: Information Service"**

2 (see [14])

3 Chapter 01: Scope

4 There are no additions or exclusions.

5 Chapter 02: References

6 There are no additions or exclusions.

7 Chapter 03: Definitions and abbreviations

8 There are no additions or exclusions.

9 Chapter 04: Basic aspects

10 There are no additions or exclusions.

11 Chapter 05: IRP Information Service

12 There are no additions or exclusions.

13 Chapter 06: Dynamic Model

14 There are no additions or exclusions.

15 Appendix A (normative): Event Types and Extended Event Types

16 There are no additions or exclusions.

17 Appendix B (normative): Probable Causes

18 Definitions from Table B.3 "Probable Causes from GSM 12.11" are not  
19 applicable for cdma2000 systems as they are derived from GSM  
20 specification GSM 12.11 (IT IS THE INTENTION OF THE EDITOR TO CONSIDER INCLUSION  
21 OF THESE PROBABLE CAUSES DIRECTLY INTO A FUTURE VERSION OF THIS DOCUMENT).

22 Appendix C (informative): Examples Use of notifyChangedAlarm

23 There are no additions or exclusions.

24 Appendix D (normative): Mapping of Alarm Information Reference to its Solution Set  
25 Equivalents

26 There are no additions or exclusions.

27 Appendix E (informative): Change history

28 There are no additions or exclusions.

1 **32.111-3 "Alarm Integration Reference Point: CORBA Solution Set"**

2 (see [15])

3 Chapter 01: Scope

4 There are no additions or exclusions.

5 Chapter 02: References

6 There are no additions or exclusions.

7 Chapter 03: Definitions and abbreviations

8 There are no additions or exclusions.

9 Chapter 04: Architectural Features

10 There are no additions or exclusions.

11 Chapter 05: Mapping

12 There are no additions or exclusions.

13 Chapter 06: Use of OMG Structured Event

14 There are no additions or exclusions.

15 Chapter 07: AlarmIRPNotifications Interface

16 There are no additions or exclusions.

17 Annex A (normative): IDL specification

18 Regarding the use of Probable Cause please refer to exceptions stated on  
19 32.111-2 "Alarm Integration Reference Point: Information Service",  
20 Appendix B "Probable Causes".

21 Annex B (informative): Change history

22 There are no additions or exclusions.

23 **32.111-4 "Alarm Integration Reference Point: CMIP Solution Set"**

24 (see [16])

25 Chapter 01: Scope

26 There are no additions or exclusions.

27 Chapter 02: References

28 There are no additions or exclusions.

- 1 Chapter 03: Definitions and abbreviations
- 2       There are no additions or exclusions.
- 3 Chapter 04: Basic aspects
- 4       There are no additions or exclusions.
- 5 Chapter 05: GDMO definitions
- 6       There are no additions or exclusions.
- 7 Chapter 06: ASN.1 definitions for Alarm IRP
- 8       There are no additions or exclusions.
- 9 Annex A (informative): Change history
- 10       There are no additions or exclusions.
- 11