

# ETSI TS 124 623 V14.2.0 (2017-07)



**Digital cellular telecommunications system (Phase 2+) (GSM);  
Universal Mobile Telecommunications System (UMTS);  
LTE;  
Extensible Markup Language (XML)  
Configuration Access Protocol (XCAP) over  
the Ut interface for Manipulating Supplementary Services  
(3GPP TS 24.623 version 14.2.0 Release 14)**



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# Contents

Intellectual Property Rights .....	2
Foreword.....	2
Modal verbs terminology.....	2
Foreword.....	5
1 Scope .....	6
2 References .....	6
3 Definitions and abbreviations.....	7
3.1 Definitions .....	7
3.2 Abbreviations .....	7
4 Architecture for manipulating supplementary services settings.....	8
5 The eXtensible Markup Language (XML) Configuration Access Protocol (XCAP) .....	9
5.1 Introduction .....	9
5.2 Functional entities .....	9
5.2.1 User Equipment (UE) .....	9
5.2.1.1 General .....	9
5.2.1.2 Subscription for notification of state changes in XML document.....	10
5.2.1.3 Policy on access type used for XCAP .....	10
5.2.2 Authentication Proxy (AP) .....	12
5.2.2.1 Introduction.....	12
5.2.2.2 Authentication .....	12
5.2.2.2.0 General .....	12
5.2.2.2.1 Authentication based on the generic authentication architecture.....	12
5.2.2.2.2 Void.....	13
5.2.2.3 Authorization .....	13
5.2.3 Application Server (AS) .....	13
5.2.3.1 General .....	13
5.2.3.2 Authentication and authorization .....	13
5.2.3.2.0 General .....	13
5.2.3.2.1 HTTP digest authentication .....	14
5.2.3.3 Subscription acceptance and notification of state changes in XML document .....	14
5.2.3.4 Validation against service capability.....	14
5.3 Roles.....	14
5.3.1 XCAP client.....	14
5.3.1.1 Introduction.....	14
5.3.1.2 Manipulating supplementary services .....	14
5.3.1.2.1 General .....	14
5.3.1.2.2 U E temporarily prevented from manipulating supplementary service settings via XCAP.....	15
5.3.1.2.3 Supplementary service settings manipulation errors .....	15
5.3.1.2.4 HTTP retry when no response is received .....	15
5.3.1.3 Password change .....	16
5.3.2 XCAP server .....	16
5.3.2.1 Introduction.....	16
5.3.2.2 Manipulation acceptance.....	16
5.3.2.3 User not allowed to manipulate settings via XCAP .....	16
5.3.2.4 Supplementary Service subscription errors .....	17
5.3.2.5 Password management.....	17
5.3.2.5.1 General .....	17
5.3.2.5.2 Password check .....	17
5.3.2.5.3 Password change .....	18
6 Supplementary services XCAP application usage .....	18
6.1 Structure of the XML document.....	18
6.2 XCAP application usage .....	19

6.3	XML schema .....	21
6.4	Template for a supplementary service XML schema .....	22
6.5	XML schema for password change .....	22
<b>Annex A (informative):</b>	<b>Void .....</b>	<b>24</b>
<b>Annex B (normative):</b>	<b>Connectivity Aspects when using XCAP .....</b>	<b>25</b>
B.1	Scope .....	25
B.2	Procedures at the UE .....	25
<b>Annex C (normative):</b>	<b>IP-Connectivity Access Network specific concepts when using EPS to access IM CN subsystem .....</b>	<b>26</b>
C.1	Scope .....	26
C.2	Application usage of SIP .....	26
C.2.1	Procedures at the UE .....	26
C.2.1.1	3GPP PS data off .....	26
C.2.1.1.1	General .....	26
C.2.1.1.2	Enforcement .....	26
<b>Annex D (normative):</b>	<b>IP-Connectivity Access Network specific concepts when using GPRS to access IM CN subsystem .....</b>	<b>27</b>
D.1	Scope .....	27
D.2	Application usage of SIP .....	27
D.2.1	Procedures at the UE .....	27
D.2.1.1	3GPP PS data off .....	27
D.2.1.1.1	General .....	27
D.2.1.1.2	Enforcement .....	27
<b>Annex E (informative):</b>	<b>Change history .....</b>	<b>28</b>
History	.....	30

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# Foreword

This Technical Specification (TS) was been produced by ETSI Technical Committee Telecommunications and Internet converged Services and Protocols for Advanced Networking (TISPAN) and originally published as ETSI TS 183 023 [13]. It was transferred to the 3rd Generation Partnership Project (3GPP) in January 2008.

The contents of the present document are subject to continuing work within the TSG and may change following formal TSG approval. Should the TSG modify the contents of the present document, it will be re-released by the TSG with an identifying change of release date and an increase in version number as follows:

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# 1 Scope

The present document defines a protocol used for manipulating data related to supplementary services. The protocol is based on the eXtensible Markup Language (XML) Configuration Access Protocol (XCAP) RFC 4825 [8]. A new XCAP application usage is defined for the purpose of manipulating the supplementary services data. The common XCAP related aspects that are applicable to supplementary services are specified in the present document. The protocol allows authorized users to manipulate service-related data either when they are connected to IMS or when they are connected to non-IMS networks (e.g. the public Internet).

The present document is applicable to User Equipment (UE) and Application Servers (AS) which are intended to support XCAP application usage for manipulating data related to supplementary services.

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# 2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

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- For a non-specific reference, the latest version applies. In the case of a reference to a 3GPP document (including a GSM document), a non-specific reference implicitly refers to the latest version of that document *in the same Release as the present document*.

- [1] IETF RFC 2616: "Hypertext Transfer Protocol - HTTP/1.1".
- [2] W3C REC-xmlschema-1-20010502: "XML Schema Part 1: Structures".
- [3] IETF RFC 2617: "HTTP Authentication: Basic and Digest Access Authentication".
- [4] IETF RFC 2246: "The TLS Protocol Version 1.0".
- [5] 3GPP TS 24.109: "Bootstrapping interface (Ub) and Network application function interface (Ua); Protocol details".
- [6] 3GPP TS 33.222: "Generic Authentication Architecture (GAA); Access to network application functions using Hypertext Transfer Protocol over Transport Layer Security (HTTPS)".
- [7] Void.
- [8] IETF RFC 4825: "The Extensible Markup Language (XML) Configuration Access Protocol (XCAP)".
- [9] Void
- [10] Void.
- [11] IETF RFC 5875 (May 2010): "An Extensible Markup Language (XML) Configuration Access Protocol (XCAP) Diff Event Package".
- [12] ETSI TS 183 038: "Telecommunications and Internet converged Services and Protocols for Advanced Networking (TISPAN); PSTN/ISDN Simulation Services; Extensible Markup Language (XML) Document Management; Protocol Specification (Endorsement of OMA-TS-XDM-Core-V1-0-20051103-C and OMA-TS-XDM-Shared-V1-0-20051006-C)".
- [13] ETSI TS 183 023 V1.4.0: "Telecommunications and Internet converged Services and Protocols for Advanced Networking (TISPAN); PSTN/ISDN simulation services; Extensible Markup Language (XML) Configuration Access Protocol (XCAP) over the Ut interface for Manipulating NGN PSTN/ISDN Simulation Services".
- [14] OMA-TS-XDM\_Core-V1\_1-20080627-A: "XML Document Management (XDM) Specification".