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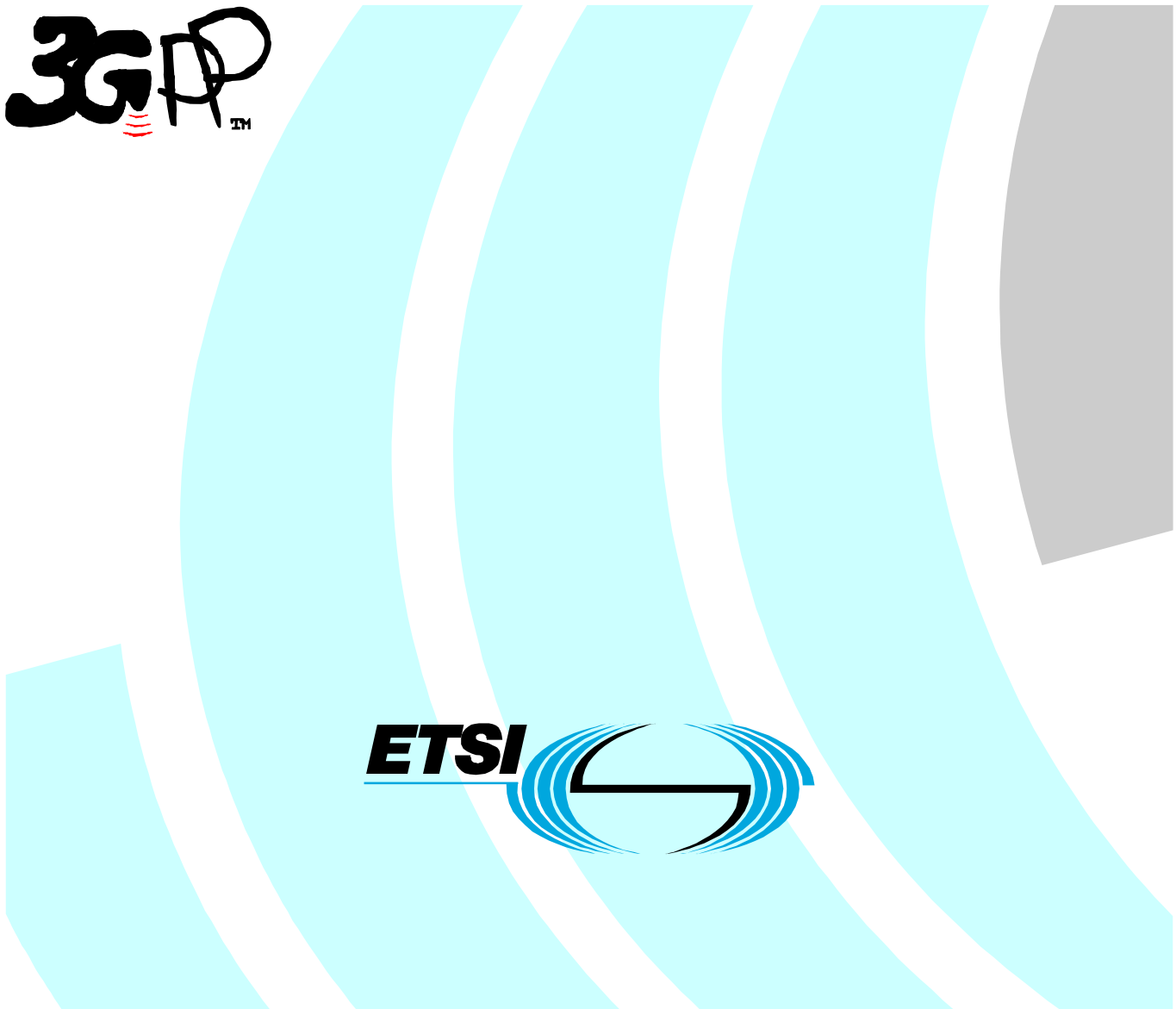
Technical Specification

Universal Mobile Telecommunications System (UMTS);
Open Service Access (OSA)
Application Programming Interface (API);
Part 4: Call control - Service Capability Feature (SCF)
(3GPP TS 29.198-04 version 4.11.0 Release 4)



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Foreword

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Foreword

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- z the third digit is incremented when editorial only changes have been incorporated in the document.

Introduction

The present document is part 4 of a multi-part TS covering the 3rd Generation Partnership Project: Technical Specification Group Core Network; Open Service Access (OSA); Application Programming Interface (API), as identified below. The **API specification** (3GPP TS 29.198) is structured in the following Parts:

Part 1:	Overview	
Part 2:	Common Data Definitions	
Part 3:	Framework	
Part 4:	**Call Control SCF**	
Part 5:	User Interaction SCF	
Part 6:	Mobility SCF	
Part 7:	Terminal Capabilities SCF	
Part 8:	Data Session Control SCF	
Part 9:	Generic Messaging SCF	(not part of 3GPP Release 4)
Part 10:	Connectivity Manager SCF	(not part of 3GPP Release 4)
Part 11:	Account Management SCF	
Part 12:	Charging SCF	

The **Mapping specification of the OSA APIs and network protocols** (3GPP TR 29.998) is also structured as above. A mapping to network protocols is however not applicable for all Parts, but the numbering of Parts is kept. Also in case a Part is not supported in a Release, the numbering of the parts is maintained.

Table: Overview of the OSA APIs & Protocol Mappings 29.198 & 29.998-family

OSA API specifications 29.198-family		OSA API Mapping - 29.998-family	
29.198-1	Part 1: Overview	29.998-1	Part 1: Overview
29.198-2	Part 2: Common Data Definitions	*29.998-2*	*Not Applicable*
29.198-3	Part 3: Framework	*29.998-3*	*Not Applicable*
29.198-4	**Part 4: Call Control SCF**	29.998-4-1	Subpart 1: Generic Call Control – CAP mapping
		29.998-4-2	
29.198-5	Part 5: User Interaction SCF	29.998-5-1	Subpart 1: User Interaction – CAP mapping
		29.998-5-2	
		29.998-5-3	
		29.998-5-4	Subpart 4: User Interaction – SMS mapping
29.198-6	Part 6: Mobility SCF	29.998-6	User Status and User Location – MAP mapping
29.198-7	Part 7: Terminal Capabilities SCF	*29.998-7*	*Not Applicable*
29.198-8	Part 8: Data Session Control SCF	29.998-8	Data Session Control – CAP mapping
29.198-9	Part 9: Generic Messaging SCF	*29.998-9*	*Not Applicable*
29.198-10	Part 10: Connectivity Manager SCF	*29.998-10*	*Not Applicable*

29.198-11	Part 11: Account Management SCF	*29.998-11*	*Not Applicable*
29.198-12	Part 12: Charging SCF	*29.998-12*	*Not Applicable*

1 Scope

The present document is Part 4 of the Stage 3 specification for an Application Programming Interface (API) for Open Service Access (OSA).

The OSA specifications define an architecture that enables application developers to make use of network functionality through an open standardised interface, i.e. the OSA APIs. The concepts and the functional architecture for the OSA are contained in 3GPP TS 23.127 [3]. The requirements for OSA are contained in 3GPP TS 22.127 [2].

The present document specifies the Call Control Service Capability Feature (SCF) aspects of the interface. All aspects of the Call Control SCF are defined here, these being:

- Sequence Diagrams
- Class Diagrams
- Interface specification plus detailed method descriptions
- State Transition diagrams
- Data definitions
- IDL Description of the interfaces

The process by which this task is accomplished is through the use of object modelling techniques described by the Unified Modelling Language (UML).

This specification has been defined jointly between 3GPP TSG CN WG5, ETSI TISPAN and The Parlay Group, in co-operation with a number of JAIN™ Community member companies.

2 References

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

- References are either specific (identified by date of publication, edition number, version number, etc.) or non-specific.
- For a specific reference, subsequent revisions do not apply.
- 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] 3GPP TS 29.198-1 "Open Service Access; Application Programming Interface; Part 1: Overview".

[2] 3GPP TS 22.127: "Service Requirement for the Open Services Access (OSA); Stage 1".

[3] 3GPP TS 23.127: "Virtual Home Environment (VHE) / Open Service Access (OSA)".

[4] 3GPP TS 22.002: "Circuit Bearer Services Supported by a PLMN".

[5] ISO 4217 (1995): "Codes for the representation of currencies and funds".

[6] 3GPP TS 24.002: "GSM-UMTS Public Land Mobile Network (PLMN) Access Reference Configuration".

[7] 3GPP TS 22.003: "Circuit Teleservices supported by a Public Land Mobile Network (PLMN)".