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Technical Specification

**Digital cellular telecommunications system (Phase 2+);
Universal Mobile Telecommunications System (UMTS);
LTE;
Open Service Access (OSA)
Application Programming Interface (API);
Part 7: Terminal capabilities Service Capability Feature (SCF)
(3GPP TS 29.198-07 version 9.0.0 Release 9)**



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Introduction

The present document is part 7 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";
 - Sub-part 1: "Call Control Common Definitions";
 - Sub-part 2: "Generic Call Control SCF";
 - Sub-part 3: "Multi-Party Call Control SCF";
 - Sub-part 4: "Multi-Media Call Control SCF";
 - Sub-part 5: "Conference 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 8)
- Part 10: "Connectivity Manager SCF"; (not part of 3GPP Release 8)
- Part 11: "Account Management SCF";
- Part 12: "Charging SCF".
- Part 13: "Policy Management SCF";
- Part 14: "Presence and Availability Management SCF";
- Part 15: "Multi Media Messaging SCF";
- Part 16: "Service Broker 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	
29.198-01	Overview					29.998-01	Overview
29.198-02	Common Data Definitions					29.998-02	<i>Not Applicable</i>
29.198-03	Framework					29.998-03	<i>Not Applicable</i>
Call Control (CC) SCF	29.198-04-1	29.198-04-2	29.198-04-3	29.198-04-4	29.198-04-5	29.998-04-1	Generic Call Control – CAP mapping
	Common CC data definitions	Generic CC SCF	Multi-Party CC SCF	Multi-media CC SCF	Conf CC SCF	29.998-04-2	<i>Generic Call Control – INAP mapping</i>
						29.998-04-3	<i>Generic Call Control – Megaco mapping</i>
						29.998-04-4	Multiparty Call Control – ISC mapping
29.198-05	User Interaction SCF					29.998-05-1	User Interaction – CAP mapping
						29.998-05-2	<i>User Interaction – INAP mapping</i>
						29.998-05-3	<i>User Interaction – Megaco mapping</i>
						29.998-05-4	User Interaction – SMS mapping
29.198-06	Mobility SCF					29.998-06-1	User Status and User Location – MAP mapping
						29.998-06-2	User Status and User Location – SIP mapping
29.198-07	Terminal Capabilities SCF					29.998-07	<i>Not Applicable</i>
29.198-08	Data Session Control SCF					29.998-08	Data Session Control – CAP mapping
29.198-09	<i>Generic Messaging SCF</i>					29.998-09	<i>Not Applicable</i>
29.198-10	<i>Connectivity Manager SCF</i>					29.998-10	<i>Not Applicable</i>
29.198-11	Account Management SCF					29.998-11	<i>Not Applicable</i>
29.198-12	Charging SCF					29.998-12	<i>Not Applicable</i>
29.198-13	Policy Management SCF					29.998-13	<i>Not Applicable</i>
29.198-14	Presence & Availability Management SCF					29.998-14	<i>Not Applicable</i>
29.198-15	Multi-media Messaging SCF					29.998-15	<i>Not Applicable</i>
29.198-16	Service Broker SCF					29.998-16	<i>Not Applicable</i>