

**3GPP TSG CN Plenary Meeting #16**  
**5<sup>th</sup> - 7<sup>th</sup> June 2002. Marco Island, USA.**

**NP-020188**

**Source:** CN5 (OSA)  
**Title:** Rel-5 CR 29.198-04 (OSA API Part 4: Call control) for splitting into 4 sub-parts  
**Agenda item:** 8.2  
**Document for:** APPROVAL

| Doc-1 <sup>st</sup><br>-Level | Spec      | CR  | R<br>v | Pha   | Subject  | Cat | Ver<br>Curr | Ver<br>New | Doc-2 <sup>nd</sup><br>-Level | Work<br>item |
|-------------------------------|-----------|-----|--------|-------|--|-----|-------------|------------|-------------------------------|--------------|
| NP-020188                     | 29.198-04 | 056 | -      | Rel-5 | Splitting of 29.198-04 into 4 separate TSs (sub-parts) | D   | 4.4.0       | 5.0.0      | N5-020519                     | OSA2         |

## CHANGE REQUEST

⌘ **29.198-04 CR 056** ⌘ rev **-** ⌘ Current version: **4.4.0** ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

**Proposed change affects:** ⌘ (U)SIM  ME/UE  Radio Access Network  Core Network

|                        |  |                 |  |
|------------------------|--|-----------------|--|
| <b>Title:</b>          | ⌘ Splitting of 29.198-04 into 4 separate TSs (sub-parts)   |                 |  |
| <b>Source:</b>         | ⌘ CN5  |                 |  |
| <b>Work item code:</b> | ⌘ OSA2   | <b>Date:</b>    | ⌘ 30/05/2002   |
| <b>Category:</b>       | ⌘ <b>D</b>   | <b>Release:</b> | ⌘ REL-5  |
|                        | Use <u>one</u> of the following categories:<br><b>F</b> (correction)<br><b>A</b> (corresponds to a correction in an earlier release)<br><b>B</b> (addition of feature),<br><b>C</b> (functional modification of feature)<br><b>D</b> (editorial modification)<br>Detailed explanations of the above categories can be found in 3GPP TR 21.900. |                 | Use <u>one</u> of the following releases:<br>2 (GSM Phase 2)<br>R96 (Release 1996)<br>R97 (Release 1997)<br>R98 (Release 1998)<br>R99 (Release 1999)<br>REL-4 (Release 4)<br>REL-5 (Release 5) |

|                                      |  |
|--------------------------------------|--|
| <b>Reason for change:</b>            | ⌘ TS 29.198-4 is structured into a number of major clauses. Each major clause describes a set of Call Control APIs, and is independent of the other major clauses. With the introduction of Release-5 content, another Call Control API has been added (Multi-Media Call Control), in another major clause.<br><br>The part of TS 29.198-4 inherited from Release-4 is stable and the number of corrective CRs for this part has diminished notably. The new part introduced for Release-5 can be expected to be corrected further as it is implemented.<br><br>TS 29.198-4 is a document which is not just consulted by equipment vendors: it is also studied by application developers, who do not have the resources to track through 3GPP change requests. It is important that those parts of TS 29.198-4 which are stable are seen to be stable, to give application developers the confidence to invest in OSA. For these application developers, if a document is re-published, with an incremented version number, it is not stable.<br><br>Therefore, if 29.198-4 is split into multiple documents, only those parts which need correction will be re-published in Release-5. Those stable parts not needing correction will not be re-published, which is the best indication of stability. |
| <b>Summary of change:</b>            | ⌘ Split TS 29-198-4 into 4 sub-parts:<br>Sub-part 1: Call Control Common Definitions<br>Sub-part 2: Generic Call Control SCF<br>Sub-part 3: Multi-Party Call Control SCF<br>Sub-part 4: Multi-Media Call Control SCF   |
| <b>Consequences if not approved:</b> | ⌘ TS 29.198-4 will grow bigger with each release. Although each newly introduced set of call control APIs will become stable over time, as it is implemented, this stability will not be visible to application developers if the specification is regularly re-published to fix less stable parts. These developers may be tempted to wait until the document becomes stable before implementing it, thus delaying the introduction of OSA services from third party application developers.  |

|                              |   |   |   |
|------------------------------|---|---|---|
| <b>Clauses affected:</b>     | ⌘ | All   |   |
| <b>Other specs affected:</b> | ⌘ | <input type="checkbox"/> Other core specifications<br><input type="checkbox"/> Test specifications<br><input type="checkbox"/> O&M Specifications | ⌘ |
| <b>Other comments:</b>       | ⌘ |   |   |

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- 3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

The following clauses of TS 29.198-4 will be moved to sub-parts as follows:

The Scope clause 1 is copied to all 4 sub-parts with minor modification (indicated)

Clauses 2 and 3 are copied unchanged to all 4 sub-parts.

Clauses 4, 5 and 8 are moved unchanged to TS 29.198-4-1, as clauses 4, 5 and 6.

Clause 6 is moved unchanged to TS 29.198-4-2, 6.1 becoming clause 4, 6.2 becoming clause 5 etc.

Clause 7 is moved unchanged to TS 29.298-4-3, 7.1 becoming clause 4, 7.2 becoming clause 5 etc.

Newly introduced Multi-Media Call Control for Release 5 is moved to TS 29.198-4-4.

Annex A is copied to each sub-part.

The front pages and scope of TS 29.198-4 v.4.3.0 are copied below, and will be replaced with the front pages and scopes of the sub-parts, also given below.

Revision marks are only shown for the scope clauses.



# 3GPP TS 29.198-4 V4.3.0 (2002-03)

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*Technical Specification*

**3rd Generation Partnership Project;  
Technical Specification Group Core Network;  
Open Service Access (OSA);  
Application Programming Interface (API);  
Part 4: Call Control  
(Release 4)**

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The present document has been developed within the 3<sup>rd</sup> Generation Partnership Project (3GPP™) and may be further elaborated for the purposes of 3GPP.

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Keywords

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UMTS, API, OSA

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## Foreword

This Technical Specification has been produced by the 3<sup>rd</sup> Generation Partnership Project (3GPP).

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:

Version x.y.z

where:

- x the first digit:
  - 1 presented to TSG for information;
  - 2 presented to TSG for approval;
  - 3 or greater indicates TSG approved document under change control.
- y the second digit is incremented for all changes of substance, i.e. technical enhancements, corrections, updates, etc.
- 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 3<sup>rd</sup> 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                 |                              |
| <b>Part 4:</b> | <b>Call Control SCF</b>   |                              |
| 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.

| 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                                |

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# 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 SPAN 12 and the Parlay Consortium, in co-operation with a number of JAIN™ Community member companies.

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Replace the above with the following 4 sub-parts, whose title pages, table of contents and scopes are included below. Their contents are taken from the corresponding clauses of TS 29.198-4, with no changes.

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# 3GPP TS 29.198-4-1 Vx.x.x (2002-06)

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*Technical Specification*

**3rd Generation Partnership Project;  
Technical Specification Group Core Network;  
Open Service Access (OSA);  
Application Programming Interface (API);  
Part 4: Call Control;  
Sub-part 1: Call Control Common Definitions  
(Release 5)**

---



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Keywords

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UMTS, API, OSA

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## Foreword

This Technical Specification has been produced by the 3<sup>rd</sup> Generation Partnership Project (3GPP).

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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where:

- x the first digit:
  - 1 presented to TSG for information;
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  - 3 or greater indicates TSG approved document under change control.
- y the second digit is incremented for all changes of substance, i.e. technical enhancements, corrections, updates, etc.
- z the third digit is incremented when editorial only changes have been incorporated in the document.

## Introduction

The present document is part 4, sub-part 1 of a multi-part TS covering the 3<sup>rd</sup> 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**
  - 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;
- 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 5)
- Part 10: Connectivity Manager SCF (not part of 3GPP Release 5)
- 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.

| 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                              |
| Call Control (CC) SCF                | 29.198-4-1                      | 29.198-4-2     | 29.198-4-3         | 29.198-4-4         | 29.998-4-1                      | Generic Call Control – CAP mapping          |
|                                      | CC Common definitions SCF       | Generic CC SCF | Multi-Party CC SCF | Multi-media CC SCF | 29.998-4-2                      | Not Applicable                              |
|                                      |                                 |                |                    |                    | 29.998-4-3                      | Not Applicable                              |
|                                      |                                 |                |                    |                    | 29.998-4-4                      | Multiparty Call Control – ISC mapping       |
| 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 |

|                  |  |                 |   |
|------------------|--|-----------------|---|
| <b>29.198-7</b>  | <b>Part 7: Terminal Capabilities SCF</b> | 29.998-7        | Not Applicable                            |
| <b>29.198-8</b>  | <b>Part 8: Data Session Control SCF</b>  | <b>29.998-8</b> | <b>Data Session Control – CAP mapping</b> |
| 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                            |
| <b>29.198-11</b> | <b>Part 11: Account Management SCF</b>   | 29.998-11       | Not Applicable                            |
| <b>29.198-12</b> | <b>Part 12: Charging SCF</b>             | 29.998-12       | Not Applicable                            |

---

# 1 Scope

The present document is Part 4, Sub-part 1 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 common definitions used by the Call Control Service Capability Features (SCF).~~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 SPAN 12 and the Parlay Consortium, in co-operation with a number of JAIN™ Community member companies.

# 3GPP TS 29.198-4-2 Vx.x.x (2002-06)

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*Technical Specification*

**3rd Generation Partnership Project;  
Technical Specification Group Core Network;  
Open Service Access (OSA);  
Application Programming Interface (API);  
Part 4: Call Control;  
Sub-part 2: Generic Call Control SCF  
(Release 5)**

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Keywords

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UMTS, API, OSA

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## Foreword

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  - 3 or greater indicates TSG approved document under change control.
- y the second digit is incremented for all changes of substance, i.e. technical enhancements, corrections, updates, etc.
- z the third digit is incremented when editorial only changes have been incorporated in the document.

## Introduction

The present document is part 4, sub-part 2 of a multi-part TS covering the 3<sup>rd</sup> 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**
  - 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;
- 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 5)
- Part 10: Connectivity Manager SCF (not part of 3GPP Release 5)
- 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.

| 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                              |
| Call Control (CC) SCF                | 29.198-4-1                      | 29.198-4-2     | 29.198-4-3         | 29.198-4-4         | 29.998-4-1                      | Generic Call Control – CAP mapping          |
|                                      | CC Common definitions SCF       | Generic CC SCF | Multi-Party CC SCF | Multi-media CC SCF | 29.998-4-2                      | Not Applicable                              |
|                                      |                                 |                |                    |                    | 29.998-4-3                      | Not Applicable                              |
|                                      |                                 |                |                    |                    | 29.998-4-4                      | Multiparty Call Control – ISC mapping       |
| 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 |

|                  |  |                 |   |
|------------------|--|-----------------|---|
| <b>29.198-7</b>  | <b>Part 7: Terminal Capabilities SCF</b> | 29.998-7        | Not Applicable                            |
| <b>29.198-8</b>  | <b>Part 8: Data Session Control SCF</b>  | <b>29.998-8</b> | <b>Data Session Control – CAP mapping</b> |
| 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                            |
| <b>29.198-11</b> | <b>Part 11: Account Management SCF</b>   | 29.998-11       | Not Applicable                            |
| <b>29.198-12</b> | <b>Part 12: Charging SCF</b>             | 29.998-12       | Not Applicable                            |

---

# 1 Scope

The present document is Part 4, Sub-part 2 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 Generic Call Control Service Capability Feature (SCF) aspects of the interface. All aspects of the Generic 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).

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*Technical Specification*

**3rd Generation Partnership Project;  
Technical Specification Group Core Network;  
Open Service Access (OSA);  
Application Programming Interface (API);  
Part 4: Call Control;  
Sub-part 3: Multi-Party Call Control SCF  
(Release 5)**

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## Foreword

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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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- y the second digit is incremented for all changes of substance, i.e. technical enhancements, corrections, updates, etc.
- z the third digit is incremented when editorial only changes have been incorporated in the document.

## Introduction

The present document is part 4, sub-part 3 of a multi-part TS covering the 3<sup>rd</sup> 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**
  - 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;
- 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 5)
- Part 10: Connectivity Manager SCF (not part of 3GPP Release 5)
- 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.

| 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                              |
| Call Control (CC) SCF                | 29.198-4-1                      | 29.198-4-2     | 29.198-4-3         | 29.198-4-4         | 29.998-4-1                      | Generic Call Control – CAP mapping          |
|                                      | CC Common definitions SCF       | Generic CC SCF | Multi-Party CC SCF | Multi-media CC SCF | 29.998-4-2                      | Not Applicable                              |
|                                      |                                 |                |                    |                    | 29.998-4-3                      | Not Applicable                              |
|                                      |                                 |                |                    |                    | 29.998-4-4                      | Multiparty Call Control – ISC mapping       |
| 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 |

|                  |  |                 |   |
|------------------|--|-----------------|---|
| <b>29.198-7</b>  | <b>Part 7: Terminal Capabilities SCF</b> | 29.998-7        | Not Applicable                            |
| <b>29.198-8</b>  | <b>Part 8: Data Session Control SCF</b>  | <b>29.998-8</b> | <b>Data Session Control – CAP mapping</b> |
| 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                            |
| <b>29.198-11</b> | <b>Part 11: Account Management SCF</b>   | 29.998-11       | Not Applicable                            |
| <b>29.198-12</b> | <b>Part 12: Charging SCF</b>             | 29.998-12       | Not Applicable                            |

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# 1 Scope

The present document is Part 4, Sub-Part 3 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 Multi-Party Call Control Service Capability Feature (SCF) aspects of the interface. All aspects of the Multi-Party 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 SPAN 12 and the Parlay Consortium, in co-operation with a number of JAIN™ Community member companies.

# 3GPP TS 29.198-4-4 Vx.x.x (2002-06)

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*Technical Specification*

**3rd Generation Partnership Project;  
Technical Specification Group Core Network;  
Open Service Access (OSA);  
Application Programming Interface (API);  
Part 4: Call Control;  
Sub-part 4: Multi-Media Call Control SCF  
(Release 5)**

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Keywords

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UMTS, API, OSA

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| 29.198-2                             | Part 2: Common Data Definitions |            |                |                | 29.998-2                        | Not Applicable                              |
| 29.198-3                             | Part 3: Framework               |            |                |                | 29.998-3                        | Not Applicable                              |
| Call Control (CC) SCF                | 29.198-4-1                      | 29.198-4-2 | 29.198-4-3     | 29.198-4-4     | 29.998-4-1                      | Generic Call Control – CAP mapping          |
|                                      | CC                              | Generic CC | Multi-Party CC | Multi-media CC | 29.998-4-2                      | Not Applicable                              |
|                                      | Common definitions              | SCF        | SCF            | SCF            | 29.998-4-3                      | Not Applicable                              |
|                                      |                                 |            |                |                | 29.998-4-4                      | Multiparty Call Control – ISC mapping       |
| 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 |

|                  |  |                 |   |
|------------------|--|-----------------|---|
| <b>29.198-7</b>  | <b>Part 7: Terminal Capabilities SCF</b> | 29.998-7        | Not Applicable                            |
| <b>29.198-8</b>  | <b>Part 8: Data Session Control SCF</b>  | <b>29.998-8</b> | <b>Data Session Control – CAP mapping</b> |
| 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                            |
| <b>29.198-11</b> | <b>Part 11: Account Management SCF</b>   | 29.998-11       | Not Applicable                            |
| <b>29.198-12</b> | <b>Part 12: Charging SCF</b>             | 29.998-12       | Not Applicable                            |

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# 1 Scope

The present document is Part 4, Sub-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 Multi-Media Call Control Service Capability Feature (SCF) aspects of the interface. All aspects of the Multi-Media 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 SPAN 12 and the Parlay Consortium, in co-operation with a number of JAIN™ Community member companies.