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**3GPP TSG-SA2 Meeting #29**  
**San Francisco, USA, 20 - 24 January 2003**

**S2-030444321**

**Title:** LS on IP session control API  
**Response to:** -

**Source:** SA2  
**To:** SA1  
**Cc:** TSG [SA-](#)

**Contact Person:**

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**Attachments:** S2-030162

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**1. Overall Description:**

This LS is sent to SA1 for ACTION.

SA2 has reviewed the TS 23.127 CR in S2-030162 and would like to inform SA1 that it was rejected, as there is no ~~architectural~~ support for the IP session control and monitoring function. SA2 has assumed that the OSA API's shall reflect existing network capabilities and that they shall not require additional core network elements and interfaces to be supported. In general, SA2 would like to kindly ask SA1 to first ensure that there is network architectural support for a new OSA API requirement before such a requirement is added to TS 22.127.

As the CR in S2-030162 was triggered by the inclusion of new OSA requirements in SA1 TS 22.127, SA2 would like to ask SA1 to reconsider the requirement on an IP session control API.

**2. Actions:**

**To SA1 group.**

**ACTION:** SA2 kindly ask SA1 to reconsider the IP session control API requirement in 22.127.

**3. Dates of Next TSG-SA2 Meetings:**

TSG-SA2 Meeting #30	24 - 28 February 2003	Milan, Italy
TSG-SA2 Meeting #31	7 - 11 April 2003	Korea

## CHANGE REQUEST

# **23.127 CR 45** # rev **-** # Current version: **6.0.0** #

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

**Proposed change affects:** UICC apps#  ME  Radio Access Network  Core Network

<b>Title:</b>	# Introduction of OSA IP Session Control		
<b>Source:</b>	# Lucent Technologies		
<b>Work item code:</b>	# OSA3	<b>Date:</b>	# 15/1/2003
<b>Category:</b>	# <b>B</b>	<b>Release:</b>	# Rel-6
	<i>Use one of the following categories:</i> <b>F</b> (correction) <b>A</b> (corresponds to a correction in an earlier release) <b>B</b> (addition of feature), <b>C</b> (functional modification of feature) <b>D</b> (editorial modification) Detailed explanations of the above categories can be found in 3GPP <a href="#">TR 21.900</a> .		<i>Use one of the following releases:</i> <b>2</b> (GSM Phase 2) <b>R96</b> (Release 1996) <b>R97</b> (Release 1997) <b>R98</b> (Release 1998) <b>R99</b> (Release 1999) <b>Rel-4</b> (Release 4) <b>Rel-5</b> (Release 5) <b>Rel-6</b> (Release 6)

<b>Reason for change:</b>	# Implementation of the Stage 1 requirements as introduced by S1-022252
<b>Summary of change:</b>	# A new section, 7.10, is added to Section 7 (Network service capability features) of 23.127. The new section describes the new IP Session Control capability feature.
<b>Consequences if not approved:</b>	# Stage 1 requirements for OSA Ip Session Control will not be supported

<b>Clauses affected:</b>	# 7.10								
<b>Other specs affected:</b>	<table border="1" style="display: inline-table; vertical-align: middle;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;">X</td> <td style="text-align: center;"></td> </tr> <tr> <td style="text-align: center;"></td> <td style="text-align: center;">X</td> </tr> <tr> <td style="text-align: center;"></td> <td style="text-align: center;">X</td> </tr> </table> Other core specifications # 29.127 Test specifications O&M Specifications	Y	N	X			X		X
Y	N								
X									
	X								
	X								
<b>Other comments:</b>	# Refer to S1-022252 (revision of S1-022132) and supporting document S1-021926 for the Stage 1 background. Also please refer to S2-030163 for additional supporting documents								

**How to create CRs using this form:**

Comprehensive information and tips about how to create CRs can be found at <http://www.3gpp.org/specs/CR.htm>. Below is a brief summary:

- 1) Fill out the above form. The symbols above marked # contain pop-up help information about the field that they are closest to.
- 2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be

downloaded from the 3GPP server under <ftp://ftp.3gpp.org/specs/> For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

- 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.

## 7.10 ~~7.10~~ IP Session Control [void]

The IP Session Control SCF supports the requirements in TS 22.127 [7] related to monitoring and controlling IP sessions.

The IP Session Control network service capability feature supports the following functionality:

- 1) Management functions for IP session related issues, e.g. enable or disable IP session-related event notifications
- 2) IP session control and monitoring, e.g. monitoring IP sessions for specific conditions, releasing sessions, redirecting sessions, setting QoS parameters, and requesting session information.

### 7.10.1 Architectural Overview

An OSA gateway service capability server exposes the IP Session Control interface to the application. The gateway uses a standardized or non-standardized interface to communicate with the network element that has IP session control and monitoring capabilities as shown in Figure 1. The GGSN communicates with the IP Session element by the Gi interface.

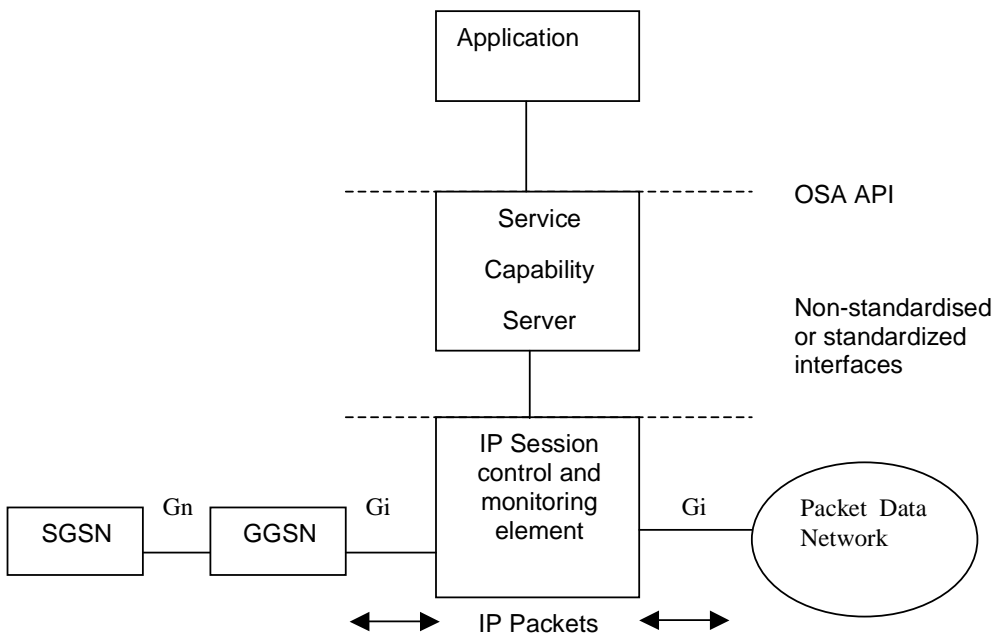


Figure 1. Overview of IP Session control and monitoring architecture