

**3GPP TSG CN Plenary Meeting #15
6 – 8 March 2002. Jeju, KOREA**

NP-020101

Source: CN5 (OSA)
Title: LSs outgoing from CN5 between CN#15 and CN#16
Agenda item: 6.5.1
Document for: Information

Doc. Name	Title
N5-020120	LS to SA1, SA2 (cc: SA5) on Clarification of requirements for the VHE
N5-020134	LS to SA1, SA2 on Clarification of the OSA Stage 1 Journaling Requirements
N5-020113	LS reply to SA3 (N5-020013/S3-010696) Security Framework
N5-020162	LS reply to SA3 LI (cc: SA1) (N5-020010/NP-010698) on Lawful Intercept related information in CN5 specifications

**3GPP TSG_CN5 (Open Service Access – OSA)
Meeting #16, Hong Kong, CHINA, 4 – 8 February 2002**

N5-020113

Title: Liaison Statement on Support of security algorithms in OSA framework
Source: CN5
To: SA3
Cc:
Response to: LS (S3-010696) on Support of security algorithms in OSA framework from SA3

Contact Person:

Name: Musa Unmehopa
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Attachments: None

1. Overall Description:

CN5 would like to thank SA3 for their reply LS on the support of security algorithms in the OSA framework (S3-010661/N5-011159). CN5 thank SA3 for the clarifications provided in S3-010696, and gratefully accept the recommendation that the work to resolve these outstanding security issues is done within SA3 in collaboration with OSA experts from CN5.

In order to start these discussions as soon as possible, CN5 would like to propose to SA3 that some CN5 experts attend next SA3 meeting in Brighton.

2. Actions:

To SA3 group.

ACTION: CN5 asks SA3 to organize a session with SA3 and OSA Framework experts of CN5 at the SA3 meeting #23 in Bristol/UK on 25 - 28 Feb 2002.

3. Dates of Next CN5 Meetings:

Meeting	Date	Location	Host
CN5#17	8 - 12 Apr 2002	Sophia Antipolis/ FR	ETSI
CN5#18	13 - 17 May 2002	Amsterdam/ NL	Ericsson
CN5#19	8 - 12 Jul 2002	Montreal/ CA	Parlay/Ericsson

**3GPP TSG_CN5 (Open Service Access – OSA)
Meeting #16, Hong Kong, CHINA, 4 – 8 February 2002**

N5-020162

Title: Liaison Statement on Lawful Intercept related information in CN5 specifications
Source: CN5
To: SA3 LI
Cc: SA1
Response to: LS (NP-010698) on "Liaison to SA, CN" from SA3 LI.

Contact Person:

Name: Musa Unmehopa
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Attachments: None.

1. Overall Description:

CN5 thanks SA3 Lawful Intercept for their informational LS on Lawful Intercept requirements and network/system in specifications other than the LI Technical Specifications (33.106, 33.107 and 33.108 to-date). In the LS, all groups are asked to identify all TS's that currently contain LI related information.

CN5 would like to state that currently none of their technical specifications (i.e. the 3G TS 29.198 series) contains Lawful Intercept related information, nor does CN5 have requirements (3G TS 22.127) at present for Lawful Intercept. CN5 understands the importance of Lawful Intercept and therefore would like to request to be notified by SA3-LI of any possible LI implications on OSA. Furthermore, CN5 would like to confirm the understanding that all requirements work on Lawful Intercept takes place in SA3 LI.

To SA3-LI group.

ACTION: none

3. Dates of Next CN5 Meetings:

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CN5#17	8 - 12 Apr 2002	Sophia Antipolis/ FR	ETSI
CN5#18	13 - 17 May 2002	Amsterdam/ NL	Ericsson
CN5#19	8 - 12 Jul 2002	Montreal/ CA	Parlay/Ericsson

Title: Liaison Statement on Clarification of the OSA Stage 1 Journaling Requirements
Source: CN5
To: SA1, SA2
Cc:
Response to:

Contact Person:

Name: Musa Unmehopa
Tel. Number: +31 35 687 1684
E-mail Address: unmehopa@lucent.com

Attachments: None.

1. Overall Description:

CN5 had the opportunity to review the OSA stage 1 requirements for the Journaling SCF. Below is an extract from TS 22.127 v5.2.0., detailing the Journaling requirements:

Journaling requirements

Applications, that use the OSA interface, may perform actions in the network that might cause costs or potentially undesired effects to the user or operator. Therefore it shall be possible to log usage of the OSA interface and thus to make actions performed through the OSA interface traceable to their originating applications.

Journal Information shall at least consist of the following parts:

- Unique identity of the application
- Date and time of invoking execution of an OSA function
- Name of invoked OSA function
- Identity of the served subscriber.

Additional information may be provided by the application (e.g. name of the service or reference to an application in the terminal).

The OSA shall offer sufficient capabilities to:

- Request an application to supply the network with the application's Journal Information. The network operator may decide on the level of granularity (i.e. with which OSA functions Journal Information shall be provided).
- Reject execution of OSA functions if insufficient or inaccurate Journal Information is provided by the application.
- Supply a (logging-)application with Journal Information collected from various applications.

Collection of Journal information may take place in the network or by a dedicated application using the OSA interface.

This OSA R5 Journaling requirement raises certain questions, which this LS would like to put forward for clarification.

1. It is CN5's understanding that the "Unique identity of the application", "Date and time of method invocation", and "Name of invoked method" is already available to the OSA Gateway. It is therefore not clear why these parts of the Journaling Information need to be explicitly supplied by the application via a Journaling API. It is straightforward for the OSA Gateway to record this Journaling information.
2. The "Identity of the served subscriber" may not in all cases be available to the OSA Gateway. However, more clarification may be in order here, as there is no clear definition of this identity of the served subscriber. The subscriber identity could be determined based on the context (i.e. previously invoked methods) but it involves some processing in order to generate this per method invocation. For performance reasons this would preferably need to be done through off-line post-processing.

3. It is unclear whether Journaling Information should be supplied per application, per service instance, or per service. Additionally, it is unclear whether Journaling Information should also be supplied for interactions with the Framework.
4. Since the OSA Gateway can log and store much, if not all of the Journaling Information itself, is it then perhaps the intention of this requirement to have the application store the information as well as a way of being able to compare the application's version of events with the gateway's version of events in the event of disputes?
5. It is CN5's interpretation of the above Journaling requirement that the Journaling Information itself is also to be carried over the Journaling API. This could lead to performance problems in case the Journaling Information gets very large, which is certainly very feasible. Additionally, carrying bulk data over the API does not fit with the architectural principles of an API that provides open access and control to network functionality.
6. The requirement of Rejection of Execution of OSA methods would require that the Journaling SCS and the SCS on which the method is invoked can correlate the two pieces of information. This implies an interface between them. Alternatively every method could be updated with a journaling info parameter, though this would cause backwards compatibility issues.
7. Would there be reading permissions, or privacy and security constraints with the logging application?

2. Actions:

To SA1 group.

ACTION: CN5 asks SA1 to clarify the questions raised in this paper. CN5 would like to verify whether the assumptions and interpretations of the Journaling requirement presented in this LS are correct.

3. Date of Next CN5 Meetings:

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**3GPP TSG_CN5 (Open Service Access – OSA)
Meeting #16, Hong Kong, CHINA, 4 – 8 February 2002**

N5-020120

Title: Clarification of requirements for the VHE
Source: CN5
To: SA1
Cc: SA2, SA5
Response to: -

Contact Person:

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Attachments: None.

1. Overall Description:

In 3GPP TS 23.127, Virtual Home Environment/Open Service Access, SA2 has stated the following requirements on OSA Release 5:

Specific methods shall be specified in OSA Network Service Capability Features, permitting:

- (1) *An OSA application to request user related event notifications pertaining to any subscribed user for which the service implemented by the application is activated.*
- (2) *The OSA SCS to report user related event notifications in which it explicitly identifies the user to which the event applies.*
- (3) *An OSA application to request a function to be applied to all current subscribed users for which the service implemented by the application is activated.*

These requirements however, have not been included in the requirements CN5 has received from SA1 on OSA TS 22.127).

2. Action:

CN5 kindly requests SA1 to clarify if above mentioned requirements have to be taken into consideration by CN5 for 3GPP Release 5.

3. Dates of Next CN5 Meetings:

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