TSGS#26(04)0805

Source: SA5 (Telecom Management)

Title: Rel-6 CR 32.371 Security Management concept and requirements

Document for: Approval

Agenda Item: 7.5.3

Doc1stevel	Specific a	CR	R	Phase	Subject	Ca	VersCu	Doc2ndLev	WorkitemsI D
SP-040805	32.371	001	--	Rel-6	Correct the Introduction clause – Align with what is actually delivered in Rel-6 on Security Management	D	6.0.0	S5-047138	OAM-NIM

CR-Form-v7

CHANGE REQUEST

⌘ 32.371 CR 001 ⌘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 X Core Network X

Title:	⌘	Correct the Introduction clause – Align with what is actually delivered in Rel-6 on Security Management
Source:	⌘	**SA5** (Yangli, afi@huawei.com)
Work item code:	⌘	OAM-NIM
Date:	⌘	19/11/2004
Category:	⌘	**D**
Release:	⌘	Rel-6

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:

2	*(GSM Phase 2)*
R96	*(Release 1996)*
R97	*(Release 1997)*
R98	*(Release 1998)*
R99	*(Release 1999)*
Rel-4	*(Release 4)*
Rel-5	*(Release 5)*
Rel-6	*(Release 6)*

Reason for change:	⌘	SA5 agreed to make 32.371 as the only Rel-6 output of WT01 Security Management. Hence, the modification of the Introduction clause is needed.
Summary of change:	⌘	Editorial correction of the Introduction clause to reflect that 32.371 is the output of WT01 (I.e. what is actually delivered in Rel-6 on Security Management)
Consequences if not approved:	⌘	

Clauses affected:	⌘	Introduction clause			
Other specs affected:	⌘	Y	N		⌘
			X	Other core specifications	
			X	Test specifications	
		X		O&M Specifications	32.372/3/4 will not be delivered in Rel-6

Other comments: ⌘

The following TSs will NOT be part of Rel-6:

32.372:	"Security Management Integration Reference Point (IRP): Information Service (IS)";
32.373:	"Security Management Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)";
32.374:	"Security Management Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)".

Change in Clause Introduction

Introduction

The present document contains the ~~is a member of a TS family covering the 3rd Generation Partnership Project: Technical Specification Group Services and System Aspects; Telecommunication management; as identified below:~~

~~TS 32.371: "~~Security Management Concept and Requirements~~";~~

~~TS 32.372: "Security Management Integration Reference Point (IRP): Information Service (IS)";~~

~~TS 32.373: "Security Management Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)";~~

~~TS 32.374: "Security Management Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)".~~

In 3GPP SA5 context, IRPs are introduced to address process interfaces at the Itf-N interface. The Itf-N interface is built up by a number of Integration Reference Points (IRPs) and a related Name Convention, which realize the functional capabilities over this interface. The basic structure of the IRPs is defined in 3GPP TS 32.101 [1] and 3GPP TS 32.102 [2]. IRP consists of IRPManager and IRPAgent. Usually there are three types of transaction between IRPManager and IRPAgent, which are operation invocation, notification, and file transfer.

However, there are different types of intentional threats against the transaction between IRPManagers and IRPAgents. All the threats are potential risks of damage or degradation of telecommunication services, which operators should take measures to reduce or eliminate to secure the telecommunication service, network, and data.

By introducing Security Management, the present document describes security requirements to relieve the threats between IRPManagers and IRPAgents.

As described in 3GPP TS 32.101 [1], the architecture of Security Management is divided into two layers:

Layer A - Application Layer

Layer B - OAM&P transport network

The threats and Security Management requirements of different layers are different, which should be taken into account respectively.

3GPP defines three types of IRP specifications, (see 3GPP TS 32.102 [2]). One type relates to the definitions of the interface deployed across the Itf-N. These definitions need to be agreed between the IRPManagers and IRPAgents so that meaningful communication can occur between them. An example of this type is the Alarm IRP.

The other two types (NRM IRP and Data Definition IRP) relate to the network resource model (schema) of the managed network. This network schema needs to be agreed between the IRPManagers and IRPAgents so that network management services can be provided to the IRPManager(s) by the IRPAgent(s). An example of this type is the UTRAN NRM IRP.

This Requirement specification is applicable to the Interface IRP specifications. That is to say, it is concerned only with the security aspects of operations/notifications/file deployed across the Itf-N.

End of Change in Clause Introduction