

Work Item Description

FIGS enhancements

The GSM Fraud Information Gathering System (FIGS) feature provides the means for the HPLMN to monitor the activities of its subscribers in a VPLMN. The VPLMN collects information about a defined set of activities on monitored subscribers and sends this information back to the HPLMN. This enables the HPLMN to clear certain types of calls and so stop fraudulent use of the GSM system. GSM FIGS only covers connection-orientated services.

1 3GPP Work Area

	Radio Access
X	Core Network
X	Services

2 Linked work items

None identified.

3 Justification

In order to maintain an HPLMN's ability to limit its exposure to fraud, it is necessary to extend FIGS functionality to cover new services, domains and subsystems introduced in the R99/R00 system architecture.

4 Objective

The main objective of this work item will be to extend FIGS functionality to cover PS services offered by the PS domain, and SIP and H.323 enabled services offered by the IP multimedia (IM) domain. For example, it must be possible for an HPLMN to be able to gather information on Voice-over-IP call activity offered by an IM ~~domain~~ subsystem in a VPLMN. The work item will investigate whether CAMEL can be used to extend fraud information gathering capabilities to new domains and subsystems in R99/R00.

5 Service Aspects

None identified.

6 MMI-Aspects

None identified.

7 Charging Aspects

None identified.

8 Security Aspects

The main aspect of this work item is security.

9 Impacts

Affects:	USIM	ME	AN	CN	Others
Yes				X	
No	X	X	X		X
Don't know					

Expected Output and Time scale (to be updated at each plenary)

Timescales for extending FIGS to the R99 PS domain probably need to be brought forward. A new milestone has therefore been added (in italics) to supplement the milestones agreed at the joint CN/S3 meeting.

Meeting	Date	Activity
	June/July	Presentation by S2 to S3 of well-defined and understandable system architecture concepts and principles
S3#14	<i>August 2000</i>	<i>Identification of milestones for extending FIGS to PS domain</i>
S3#15	September 2000	Requirements capture
S3#16	November 2000	First draft
	January 2001	Feasibility study including definition of work tasks and completion of the plan for this work item
	March 2001	Definition of security architecture; CRs approved
	April 2001	Integration of security architecture: Concept presented to S2 and CN
	July 2001	Integration of security architecture: First draft CRs
	October 2001	Integration of security architecture: Complete CRs
	December 2001	Integration of security architecture: CRs approved at TSG level
		Review of complete CRs by S3

New specifications						
Spec No.	Title	Prime resp. WG	2ndary resp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments
To be allocated	Fraud Information Gathering System (FIGS); Service requirements – Stage 0	S3	None		March 2001	Update to GSM document.
To be allocated	Fraud Information Gathering System (FIGS); Service description – Stage 1	S3	None		March 2001	Update to GSM document.
To be allocated	Fraud Information Gathering System (FIGS); Service description – Stage 2	S3	None		March 2001	Update to GSM document.
Affected existing specifications						
Spec No.	CR	Subject		Approved at plenary#	Comments	
01.31		Fraud Information Gathering System (FIGS); Service requirements – Stage 0				
02.31		Fraud Information Gathering System (FIGS); Service description – Stage 1				
03.31		Fraud Information Gathering System (FIGS); Service description – Stage 2				

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12 **Work item leadership**
TSG SA WG3

13 **Supporting Companies**

Vodafone

Please mail the rapporteur if your company is willing to support this work item.

14 **Classification of the WI (if known)**

	Feature (go to 14a)
(X)	Building Block (go to 14b)
	Work Task (go to 14c)

14b This is a **Building Block** of the Feature “**Provisioning of IP-based multimedia services**”.