3GPP TSG SA WG3 Security — S3#12 12 April, 2000 Stockholm, Sweden

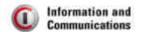
S3-000279

Source: M Pope, MCC

(Original Source: Siemens and TSG SA WG2 Intergroup coordination chair persons)

Agenda Item: 7

Examples of Features, Building Blocks and Work Tasks



Example of project planning: Feature Provisioning of IP-based multimedia services

Feature Provisioning of IP-based multimedia services

[S1 WI on service requirements including roaming]

Feature:

New, or substantially enhanced functionality which represents added value to the existing system.

This is an example of a feature "embodiing an improved service to the customer." SP-000109

Building Block Work Task

<particular call control and</pre> Call control and roaming to support IP-based roaming protocol standardization is part of multimedia services in work task of CN WG's and UMTS [S2 WI on architecture] to be reviewed with CN Selection of multimedia call control WG's>

Authentication between

Integrity protection for

Mobile to "Gatekeeper"

R'2000 architecture

Introduction of Header

Compression/Stripping at

signalling

IPsec

the RNC

mobile and "Gatekeeper"

Lawful Interception in the

protocol (e.g. H.323, SIP) <other issues> Addressing and Routing

"Security features to support IP-based multimedia services in UMTS

[S3, Technical Area Security]

Evolution of the bearers on the Radio interface to enable efficient IP-based multimedia services in UMTS [RAN: Technical Area Bearer and access

stratuml QoS to support IP-based multimedia services in UMTS [S2: QoS]

represents work to be done by one Working Group. In this

A work task

example, the work items here need potentially further detailing.

roject Planing on Call Control and Roaming



Example of project planning: Feature bearerindependant CS domain

Feature **Building Block** Work Task Enable bearer Enable bearer-Standardization of independent Circuitindependant call control protocols over reference switched network points between media architecture gateways [S2 with requirements on Standardization of architecture] protocols over reference points between MSC server and Gateway MSC server Bearer independance and Support of Transcoder in codec control issues (+) CN(*+)Transcoder-Free (out-of-This is an example of a feature band signaling) (*+) enabling "increased revenue Seperation of switching Standardization of generation potential to the and control by open protocols over reference interface points between MGW and supplier" MGWC/MSC server



Example of work tasks building blocks: Feature bearer-independent CS domain

A building block is a sub-division of a feature, representing a coherent set of technical functionality which would generally be expected to reside in a single system element.

OoBTC

N2 Codec Negotiation inter MSC, Bearer establishment inter MSC
R2 Bearer establishment between UE and RAN, TFC control by RRC
R3 Bearer establishment between MSC and RNC as well as RNC and Node B, Notification of the Codec mode to RAN, lu UP control procedure (rate control, initialization, time alignment)

N1 Codec Negotiation

Work task is a subdivision of a building block, representing a selfcontained, well-scoped and well-scheduled item of work.

These are taken from S2 project coordination on ObBTC/TrFO and are a good example to explain the scope of a work task



Time plan (taken from S2-99C16)

Meeting	Date	Activity
SA2#9	October 25-29, 1999	Define overall workplan. Start work on identifying requirements and issues
		related to architectural and functional aspects as compared to R99 (TR 23.ywz)
SA2#10	Nov 29 –Dec 3, 1999	Identify additional requirements from architectural and functional aspects as compared to R99 (TR 23.ywz). Start definition of R00 documents.
SA1#6	Nov 29 - Dec 3, 1999	Start work on R00 Stage 1
SA#6	December 15-17, 1999	R99 finalized.
SA2#11	January 24-28, 2000	Refined version of TR. Review draft Stage 1 description. Start Project Plan
		work. Continue definition of R00 documents.
SA1#7	Feb 7-11, 2000	Refine R00 stage 1.
SA2#12	March 6-9, 2000	TR v 1.0.0. Review R00 Stage 1 description . Continue Project Plan work.
		Finilize definition of R00 documents. Based on the TR, start the CR process
		for S2's technical specifications.
SA#7	March 15-17, 2000	R00 Stage 1 stable.
SA2#13	May 22-26, 2000	Work on TR discontinued. Finalize Project Plan work. Finalize definition
		of R00 documents. Continue the CR process.
SA#8	June 21-23, 2000	R00 Stage 2 at least 80% complete. Project Plan approved. Definition of
		R00 documents approved.
SA2#14	September 4-8, 2000	Finilize R00 Stage 2 work.
SA#9	September 27-29, 2000	R00 work approved.
SA2#15	November 13-17, 2000	Start R01 work.
SA#10	December 13-15, 2000	R00 approved.



Status of project planning on Call control and Roaming

- Refinement of project plan on CC and Roaming, in particular with IGC convenor on related issues (e.g. codecs and QoS)
- THEN review of project plan by TSG's and WG's, very likely "roadshow" to
 - CN (joint meeting with S2 10.4.-14.4)
 - S1_IP (3.5.-5.5.)
- Presentation of consolidated (i.e. reviewed by all WG's) project plan at SA#7
- Presentation of updated project plan every SA plenary.