

## SIEMENS

**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	Building Block	Work Task
Provisioning of IP-based multimedia services [S1 WI on service requirements including roaming]	Call control and roaming to support IP-based multimedia services in UMTS [S2 WI on architecture] Selection of multimedia call control protocol (e.g. H.323, SIP) Addressing and Routing ...	<particular call control and roaming protocol standardization is part of work task of CN WG's and to be reviewed with CN WG's> <other issues>
	"Security features to support IP-based multimedia services in UMTS [S3, Technical Area Security]	Authentication between mobile and „Gatekeeper“
		Integrity protection for Mobile to „Gatekeeper“ signalling
		Lawful Interception in the R'2000 architecture IPsec
Evolution of the bearers on the Radio interface to enable efficient IP-based multimedia services in UMTS [RAN: Technical Area Bearer and access stratum]	Introduction of Header Compression/Stripping at the RNC	
QoS to support IP-based multimedia services in UMTS [S2: QoS]		

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

This is an example of a feature “embodying an improved service to the customer.”  
 SP-000109

A work task represents work to be done by one Working Group. In this example, the work items here need potentially further detailing.

## Example of project planning: Feature bearer-independent CS domain

### Feature

### Building Block

### Work Task

Enable bearer independent Circuit-switched network architecture [S2 with requirements on architecture]	Enable bearer-independent call control	Standardization of protocols over reference points between media gateways
		Standardization of protocols over reference points between MSC server and Gateway MSC server
	Bearer independence and codec control issues (+)	Support of Transcoder in CN (*+)
		Transcoder-Free (out-of-band signaling) (*+)
	Separation of switching and control by open interface	Standardization of protocols over reference points between MGW and MGWC/MSC server

This is an example of a feature enabling “increased revenue generation potential to the supplier”

## 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.

<b>OoBTC</b>	<b>N1</b> Codec Negotiation between UE and MSC
	<b>N2</b> Codec Negotiation inter MSC, Bearer establishment inter MSC
	<b>R2</b> Bearer establishment between UE and RAN, TFC control by RRC
	<b>R3</b> 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)

**Work task** is a sub-division of a building block, representing a self-contained, 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.

SA#7 Input on R00 Project Planing on Call Control and Roaming

## 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.