

**Source: Siemens and TSG SA WG2 Intergroup coordination chair persons
Agenda Item: 7.2**

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.

| | |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| OoBTC | N1 Codec Negotiation between UE and MSC |
| | 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) |

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.