

Joint 3GPP TSG-CN-WG3  
and SMG3 ad hoc on Interworking  
Sophia Antipolis, France  
26th – 27th January 1999

**3GPP/TSGN3#1(99)009**  
(revised Tdoc 3GPP/TSGN3#1(99)003)

**Source: TSG-CN-WG3 Convenors**

**Title: Report of the TSG-CN-WG3**

NOTE: The comments from the SMG3/TSGN plenary meeting are incorporated in this revised report. The documents of WG3 were renumbered in order to distinguish revisions by a separate document number.

## **1. Opening the meeting**

The meeting was opened and the convenors invited the delegates to present themselves and their expectations for this meeting and from the group.

A draft agenda was presented in TSGN3(99)001. The agenda was extended by an extra item for registration of documents because documents were not provided with the WG3 numbering scheme but have to be collected from other working groups. The agenda was approved in TSGN3(99)006.

## **2. Registration of Documents**

- For agenda item 1 the following documents were allocated: TSGN3(99)001.
- For agenda item 3.1 the following documents were allocated: TSG#1(98)006, ...008, ...046.
- For agenda item 3.2 the following documents were allocated: TSG#1(98)071r1, TSGN3(99)002.
- For agenda item 4.1 the following documents were allocated: SMG3P99-014, SMG3A99-154, TSGN3(99)004 (Q.1701) and TSGN3(99)005 (Q.1711).
- For agenda item 4.3 the following documents were allocated: SMG3A99-156 and SMG3P99-150.

## **3. Organisational Issues**

### **3.1 Working Procedures**

Documents TSG#1(98)006 on Working Procedures, TSG#1(98)008 on Drafting Rules and TSG#1(98)046 on Working Methods were briefly presented. It was mentioned that it will be again discussed on the Plenary on Thursday and that these documents are draft versions.

Some questions raised up, e.g. in document TSG#1(98)006 on the work split of the two organisations from Japan. It was clarified that ARIB mainly deals with radio and terminal aspects, while TTC deals with core network and architecture issues. It was clarified that the chairmen provide a report after each meeting (article 48). The convenors also agreed to provide a report. In document TSG#1(98)008 concerns raised up on the wide range of file formats that have to be supported and on the rules numbering in section 5.2, that may become very complex if the number of sections is very large. In document TSG#1(98)046, the importance of section 6 for the group was underlined because of the lack of sufficient work items for the group. The question was raised on the need of a work item rapporteur as in SMG. No answer could be given. Then, it was mentioned that it should be possible to arrange ad hoc meetings when needed.

## **3.2 Terms of Reference**

Document TSG#1(98)071r1, specifically the attachment on the Core Network TSG Work plan was discussed. The third and fourth bullet points were used to start the discussion on the refinement of the terms of reference, agenda item 3.2.

A long discussion took place on the scope of the term „Interworking with external networks“:

- a) Is this the interworking function in the MSC for circuit switched services in GSM networks that has to be endorsed for UMTS?
- b) Is this the Interworking Unit in UMTS that realises the interworking between the Iu interface and the A or Gb interfaces, respectively?
- c) Does this also comprise the interworking between core networks, e.g. the UTRAN with other core networks of the IMT-2000 family, is another core network also an external network?

The discussion clarified that only a) will be covered by WG3. The other topics are not scope of WG3 for the time being. If TSG-S WG2 (architecture) requires an investigation, this will be considered later. Then, a further granulation of the work plan was realised. The result can be found in document TSGN3(99)002, later revised in TSGN3(99)007. Comments raised up in the subsequent joint SMG3/TSGN plenary meeting are incorporated in TSGN3(99)008 (identical with SMG3 3P99-074). For instance, it was clarified in the plenary that WG3 is only responsible for a) mentioned above.

There may be some overlapping with other group's terms of reference. Clarification is needed and will take place in the following meetings.

## **3.3 Dependencies with other groups**

The dependencies with other groups were listed. Also the relations were described. This is summarised in document TSGN3(99)002, later revised in TSGN3(99)007. Comments raised up in the subsequent joint SMG3/TSGN plenary meeting are incorporated in TSGN3(99)008 (identical with SMG3 3P99-074).

## **3.4 Structure of the meeting**

For the time being, it was decided not to establish subgroups in WG3. Meetings will contain a GSM related part as well as a 3GPP related part depending on the workload. The SMG4 GPRS subgroup chairman expressed his view that after the March meeting of SMG4 all interworking related work of his group will be moved to SMG3/TSGN WG3 and his group's expertise for interworking with IP and X.25 networks should come to our group.

## **4. Technical Work**

### **4.1 Registration and provision of available existing documents in regional organisations**

Document SMG3P99-014 was used to identify all of the specifications relevant for WG3. Document SMG3A99-154 was the bases for discussions on the responsibility of our WG3. The result of the discussion, that means where WG3 sees their prime responsibility is contained in SMG3P99-064. Document ITU-T Q.1701 (TSGN3(99)004) was presented to inform on the IMT-2000 Family concept. Discussion on the NNI interface, i.e. the interface between core networks were raised. Another document, ITU-T Q.1711 (TSGN3(99)005), was made available in soft copy form for information.

Further documents or specifications that may have any impact on WG3's work were not presented.

### **4.2 Work plan**

The work plan consists of work items that were discussed under agenda item 4.3.

### 4.3 Work items

The existing SMG work items were used as a basis to identify WG3 potential work items (SMG3A99-156). It was identified that at this point, only two work items are relevant for WG3:

- Access to ISPs and Intranets in GPRS Phase 2 - Wireless/Remote Access to LANs (R99)
- Technical Enhancements and Improvements.

A new work item was introduced by document SMG3P99-150 on bearer capability allocation between UMTS/IMT-2000 and other networks. The group found that there were not enough information for approval of this work item. Document TSGN#1(99)164 on parameters for bearer and teleservices was then introduced. It was felt that this work item is fitted to the terms of reference of the WG3. The work item in document SMG3P99-150 will be improved, completed and approved by email discussion via the WG3 distribution list. However, the provision of the PIAFS service (32 and 64 kbit/s) has to be considered and approved by TSG-S WG1 (services) and WG2 (architecture) before TSG-N WG3 and TSG-N are allowed to approve this work item.

### 5. Next meetings

The next WG3 meeting will take place on 17th- 18th of March 1999. This meeting will take place as part of the next SMG4 meeting in London and it will be the last meeting on Interworking under the umbrella of SMG4.

### 6. Any other business

The co-convenors thanked for the group's participation and look forward for the next 3GPP meetings.

### 7. Participants List

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## 8. List of Documents

<b>Doc No.</b>	<b>Title</b>	<b>revised in</b>	<b>identical with</b>
TSGN3(99)001	Draft Agenda	TSGN3(99)-006	
TSGN3(99)002	Proposed Terms of Reference	TSGN3(99)-007	SMG3 3P99-158
TSGN3(99)003	Draft Report of TSG-CN-WG3	TSGN3(99)-009	SMG3 3P99-159
TSGN3(99)004	ITU-T Q.1701		
TSGN3(99)005	ITU-T Q.1711		
TSGN3(99)006	Agenda		
TSGN3(99)007	Proposed Terms of Reference	TSGN3(99)-008	SMG3 3P99-073
TSGN3(99)008	Proposed Terms of Reference		SMG3 3P99-074
TSGN3(99)009	Report of TSG-CN-WG3		SMG3 3P99-077
TSG#1(98)006	Working Procedures		SMG3 3P99-151
TSG#1(98)008	Drafting Rules		
TSG#1(98)046	Working Methods		SMG3 3P99-152
TSG#1(98)071r1	Report of TSG N meeting		SMG3 3P99-155
SMG3P99-014	LS from SMG4 on organisation of work areas		
SMG3P99-064	TSG-N WG3 baseline specifications and carried-on Work Items		
SMG3P99-150	WI: Bearer Capability allocation between UMTS/IMT-2000 and other networks		
SMG3A99-154	Proposal for TSG-N baseline documents		
SMG3A99-156	Proposed Work Items for TSG WG1		
TSGN#1(99)164	WI: Parameters for Bearer Services and Teleservices		