

**Source: TSG CN SS ad hoc interim Chairman**

**Subject: Summary Report of the TSG CN SS ad hoc meeting**

The TSG CN SS ad hoc meeting took place from 30 November to 02 December 1999 in Henley-on-Thames hosted by Nortel Networks. This contribution gives a summary report of the achievements of the SS ad hoc. Details can be found in the MCC report in NP-99460.

### **1 Multiple Subscriber Profile Phase 1**

TSG CN SS ad hoc have agreed a CR against GSM 03.97 (NP-99462). It clarifies that a MSP subscriber provided with CAMEL based Call Forwarding functions should not have subscribed the GSM supplementary service Call forwarding. TSG CN SS ad hoc have agreed to apply category C3 according to the TSG CN given categories for Release 98 corrections.

### **2 Multiple Subscriber Profile Phase 2**

The work on MSP Phase 2 was further progressed in the SS ad hoc. The introduction of the Service Interaction Indicator II in CAMEL Phase 3 allows control of GSM/3G supplementary services on a per call basis from the gsmSCF for MSP purposes. This is reflected in the stage 2 specification of MSP Phase 2. CR 23.097-002 is provided for approval in TSG CN (NP-99463).

Furthermore the handling of the Service Interaction Indicator II needs to be defined for GSM/3G supplementary services. Change Requests for Call Waiting/Call Hold (CR 23.083-001r1), MPTY (23.084-001), ECT (23.091-001), CCBS (23.093-001 and 23.093-002r3) and CD (23.072-002r1) are provided (NP-99463).

For the CAMEL Phase 3 SS notification for CCBS some refinements were requested by the SS ad hoc. It shall be possible to report more CCBS specific events towards the gsmSCF. Further work is necessary in the CN SS ad hoc as well as in CN WG2 SWG-A. It is assumed that the work can be completed for TSG CN #7.

### **3 Follow Me**

The work on the Follow Me supplementary service was further progressed by the SS ad hoc. A new concept for the FM interactions with the GSM/3G supplementary service CFU was agreed. With this concept it is not necessary to apply changes against 3G TS 23.082, since the interactions are treated in GSM 03.94.

In alignment with the decision of TSG SA WG1 the Forced Erasure procedure was introduced.

According to the decisions in TSG CN #5, the Follow Me Stage 2 specification is presented as GSM 03.94 (NP-99461), however TSG CN is asked to approve the specification as 3G TS 23.094, version 3.0.0.

So far no major open issues are known, the work on Follow Me can be regarded as completed.

### **4 USSD Enhancements**

A Change Request against the USSD stage 2 specification (CR 23.090-001r1) was approved (NP-99464). It introduces the handling of USSD operations for the "Application Mode" at the Mobile Station.

From TSG CN viewpoint the work on USSD enhancements can be regarded as completed. The status of the work item in TSG T WG2 and TSG SA WG1 (e.g. definition of the USSD application mode values of the DCS) needs to be verified.

### **5 Call Forwarding Enhancements**

The work on Call Forwarding Enhancements has started in the SS ad hoc. A Change Request against 23.082 was proposed, however several open issues from service viewpoint, especially in the area of interoperability with non-supporting networks, were recognised. A LS to TSG SA WG1 is asking for guidance.

Provided that the answer from TSG SA WG1 is received in time, the work can be completed for TSG CN #7. Therefore it is proposed to accept Call Forwarding Enhancements as a work item, which is part of Release 99.

## **6 Location Services**

The SS ad hoc have received a LS from T1P1.5 on Location Services. It contains a new specification GSM 04.30 on Location Service supplementary service operation and a CR against GSM 04.80, introducing the Location Service operation. From technical viewpoint the CR as well as the new specification can be accepted. Only some minor details need to be resolved.

However it is not clear to the SS ad hoc, how the CR and the new specification can be approved for Release 98, considering that SMG have given TSG CN the mandate to maintain former GSM Releases and TSG CN #6 have agreed to allow only corrections of substantial errors for those Releases.

## **7 Multicall**

Multicall have raised controversial discussions in the SS ad hoc group. It was identified that Multicall in its current form (23.135, version 3.0.0) can be regarded as a supplementary service. This is because the Multicall stage 1 specification requires subscriber controlled procedures for managing the service. From technical viewpoint this requires that the service provision shall be based on supplementary service mechanisms as well. It is therefore assumed that the SS ad hoc will have major responsibility for this work item.

Furthermore the issue of interactions of Multicall with other supplementary services has raised major concerns. Although the stage 1 specification defines that the Multicall shall have no impact on other supplementary services, it is highlighted that a multi bearer environment will have impact on supplementary services anyway. This is because supplementary services in its current form are based on the assumption that only one bearer is supported.

It is proposed by the SS ad hoc meeting to provide a subset of the Multicall service for Release 99, if completion at TSG CN #7 is acceptable and interested companies contribute to the SS ad hoc meeting.

## **8 Other issues to be mentioned**

### **3G TS 23.012:**

The existence of a new stage 2 specification for Mobility Management procedures (TS 23.012) was recognised in the SS ad hoc. It is assumed that this new specification have to interact with procedures defined for CCBS in 3G TS 23.093. A LS on this issue was received from TSG CN WG2. The required changes to 3G TS 23.093 are considered as minor, however further advise from TSG CN WG2 is needed.

### **Chairman:**

It shall be highlighted again, that the SS ad hoc does not have an official Chairman! I'm acting only as an interim chairman, until a candidate for this position is available. Companies interested in the work provided by the SS ad hoc are urgently asked to provide a candidate for this position!

### **Dates:**

The SS ad hoc have agreed their next meeting to be from 15 – 17 February 2000. A host for this meeting is still required.

### **Thanks:**

Finally I would like to thank the delegates in the SS ad hoc for their active work on supplementary service matters. Furthermore I would like to thank Nortel Networks for hosting the previous meeting in an excellent environment. Special thanks to Monica Hellman for her active support during and outside the SS ad hoc meetings.