

3GPP/PCG#6 Meeting
Sophia Antipolis,
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Title: 3GPP TSG-CN Management Report

Agenda item: 5.2

Document for:

Decision	
Discussion	
Information	X



TSG-CN Management Report

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A GLOBAL INITIATIVE



Release '99 and earlier Status

- **GPRS and CAMEL Ph1, Ph2, Ph3**
 - Volume of CRs much lower
- **IMEI**
 - Awaiting GSMA TWG report
- **Roaming Rejection**
 - Cause code #14 allocated
- **PLMN Selection in IDLE Mode**
 - PLMN Background Scan
 - Equivalent PLMN List

Release 4 Status

- Evolution of transport in the CN: **COMPLETED**
- Emergency Call Enhancements (CS): **COMPLETED**
- Bearer Independent CS CN: **COMPLETED**
 - Text encoding of H.248 packages to be completed CN#12
- Facsimile: **COMPLETED (actually done in CN#9)**
- OSA Enhancements: **PARTIALLY COMPLETED**
 - Call Control SCF, Account Mgmt SCF, Charging SCF due CN#12
- Transcoder Free Operation (TrFO): **COMPLETED**
- Advanced Speech Call Items (ASCI): **COMPLETED**
- Operator Determined Barring: **COMPLETED**

Release 5 Status (CN WIs)

- Interworking between IM CN Subsystem and CS networks
 - **Restricted to Basic Voice Calls**
- Interworking between IM CN Subsystem and IP networks
- SIP call control protocol for the IM subsystem
- CSCF-HSS (Cx) Interface
- Emergency Call Enhancements for PS Domain
 - **Will be modified to only cover case with UICC**
- Feasibility study investigating the use of SUA



Release 5 Status (Anticipated WIs)

- **CAMEL Phase 4: IN PROCESS**
 - Various enhancements including CPH
- **OSA Enhancements: AWAITING SA1/SA2/SA3**
 - OSA APIs for Multimedia Call Control, OSA Security, Terminal Capability Retrieval
- **QoS support for IM Subsystem: AWAITING SA2**
- **SIP+ protocol: AWAITING SA2**
- **IM Subsystem Emergency Call w/o USIM: AWAITING SA2**
- **Security Enhancements: AWAITING SA3**
 - Control Plane Protection (GTP, CAP, MAP/IP, etc.)
 - User Plane Protection

CN1 Status

- **Primary Responsibilities**
 - Access Signalling (A, Gb, and Iu interfaces)
 - SIP protocol work
- **Workload**
 - Very heavily loaded
 - Access signalling accounts for over half of workload
 - Attendance: 50-70 people
- **SIP Work in Progress**
 - Joint SIP workshops being held with SA2
 - Critical Dependency on IETF 2543 bis draft
- **Chair and Vice Chair re-elected in February**
 - Chair: Hannu Hietalahti (Nokia)
 - Vice Chair: Andrew Howell (Motorola)
 - Secretary: Per Johan Jorgensen

CN2 Status

- **Primary Responsibilities**
 - CAMEL
- **Workload**
 - Moderately loaded
 - Attendance: 20-30 people
- **CAMEL Ph 4 Progressing**
 - Needs CN WI
- **Work on MuMa on hold**
- **Elections not until 2002**
 - Chair: Keijo Palviainen (Nokia)
 - Vice Chair: Michel Grech (Lucent)
 - Secretary: Andrijana Jurisic?

CN3 Status

- **Primary Responsibilities**
 - External Interworking
 - IP QoS
- **Workload**
 - Underloaded
 - Unsuccessful attempt to transfer GTP to balance workload
 - Attendance: 10-15 people
- **Awaiting QoS transfer from SA2**
- **Work on MuMa on hold**
- **Chair re-elected in February**
 - Chair: Norbert Klehn (Siemens)
 - Vice Chair: Vacant
 - Secretary: David Boswarthick

CN4 Status

- **Primary Responsibilities**
 - MAP, GTP
 - Cx, addressing
- **Workload**
 - Very heavily loaded
 - Major load reduction after Rel 4 done (BICSCN, TrFO, SS7 over IP)
 - Attendance: 40-60 people
- **Chair and Vice Chair elections is May**
 - Current chair and vice-chair stepping down
 - Chair: Yun Chao Hu (Ericsson)
 - Vice Chair: Vacant
 - Secretary: Kimmo Kymalainen

CN5 Status

- **Primary Responsibilities**
 - OSA
- **Workload**
 - Moderately loaded
 - Meets jointly with Parlay, Span 12
 - Attendance: 20-30 people
- **Uses relevant parts of Parlay spec**
 - Stable parts released in Rel-4
 - Unstable parts released as late Rel-4
- **Release 5 work not really started**
- **Elections not until 2002**
 - Chair: Lucas Klosterman (Ericsson)
 - Vice Chair: Chelo Abarca (Alcatel)
 - Secretary: Adrian Zoicas

ITU-T Coordination Ad-Hoc

- **Primary Responsibilities**
 - Preparing positions towards ITU-T
- **Workload**
 - Group has been dormant
- **Willing to compile response to ITU-T SSG liaisons if deemed appropriate by PCG**
- **Appointed Position**
 - Convenor: Yun-Chao Hu (Ericsson)

A GLOBAL INITIATIVE

Advisory of problem with allocation of additional MCCs

As MCC is used by a Mobile Station (MS) for certain procedures (e.g. periodic scan procedure), extending the meaning of “country” to several MCC will then have impacts for these MSs when performing these procedures. The problem arises in the case if an additional MCC is allocated to a country which already has got at least one existing MCC. Any implementation from the time before the introduction of the new MCC for the same country will treat the new country code as being abroad. So allocating an MCC to a country which does not yet have one is causes no problem. (Note: the US is already handled as an exception case)

The addition of periodic scan procedure makes the problem much more difficult as the periodic scan must be limited to the same country as the current serving VPLMN because of border area issues.

Therefore 3GPP CN would like to highlight that the allocation of new MCC to a country which already has got at least one is not yet covered in 3GPP specifications. Moreover, 3GPP CN would like to inform ITU-T and regulators that, at least, such a change will cause backwards compatibility problems on existing MS behavior.