3GPP TSG_CN / SMG3 **Tdoc NP-000030**
Plenary Meeting #7, Madrid, Spain
13th – 15th March 2000.

Source: **CN R00 Ad Hoc**

Title: **LS on Open items identified by TSG CN All IP ad-hoc**

Agenda item: **4.1**

Document for: **INFORMATION**

3GPP-CN All IP ADHOC ***NP-000014***
Puerto Vallarta, Mexico, 31st January - 2nd February 2000

Agenda Item: ***7***
Source: ***3GPP-CN All IP ADHOC***
To: ***TSG S1, TSG S2, TSG CN***

Title: ***LS on Open items identified by TSG CN All IP ad-hoc***

The 3GPP TSG CN All IP ad-hoc meeting discussed the R00 work with the All IP being the task with the largest amount of work for the TSG CN working groups to do.
The delegations were invited to participate the S1 and S2 work in filling the gaps that were identified. TSG CN understand that the open items identified here can not be covered by just one WG alone and that one specification / TR can not be the complete answer.
The following issues need to be decided upon (TR or Stage 1 and draft Stage 2) before the TSG CN All IP work can be planned in detail:

- Scope
  - Definitions, the vocabulary needs to be stabilised.
  - Phases for scheduling the work for R00, R01,...
  - How to distinguish between signalling and data in all IP stream?
- Interfaces between nodes
  - Does All IP cover only PS or can CS also be supported?
  - Between which system entities?
  - The protocol requirements for the protocols that are run over the R00 interfaces, e.g. Nb, Nc, Mb, Mh, Mr, Mw and Cx
  - The impact of IP transport on existing protocols
  - Identification of functionality of the functional elements
- Scenarios to be supported
  - Roaming service scenarios
  - Inter-release compatibility (R00 MS in R99 network, R99 MS in R00 network, both PS and CS)
  - Handover scenarios (R00 MS in R99 network, R99 MS in R00 network, both PS and CS)
  - Non-supporting R00 implementations (CS only, PS only, speech support,...)
- VoIP
  - CAMEL control of VoIP
  - Deciding Basic Call State Model for VoIP
  - The use of the mainstream IP standards for VoIP
- Numbering and Addressing
- Emergency calls in the PS domain, without SIM
- Security, Authentication
- Call Control
  - Deciding which CC protocol(s) to use, e.g. 24.008 CC, H.323, SIP,…
  - The location of CC protocols
  - Compatibility requirements between different CC protocols
- Quality of Service
  - QoS enhancements compared with R99
  - Mapping of QoS to CC QoS / BC
  - Mapping of overall end to end QoS in each new interface