Technical Specification Group Services and System Aspects Meeting #23, Phoenix, USA, 15 - 18 March 2004 **TSGS#23(04)0209**

**Title:** **DRAFT** Reply LS on Technical Report on Mobility between H.323 Multimedia Systems and GPRS/IMT2000 Networks

**Response to:** ITU-T COM 16 – LS 15 – E

**Release:** N/A

**Work Item:** N/A

**Source:** TSG-SA

**To:** ITU-T COM 16

**Cc:**

**Contact Person:**

**Name:** **Balazs Bertenyi**

**Tel. Number:** +36 20 9849152

**E-mail Address:** balazs.bertenyi@nokia.com

**Attachments:** None.

**1. Overall Description:**

3GPP TSG-CN and TSG-SA kindly thank ITU-T COM 16 for their Liason Statement on "Mobility between H.323 Multimedia Systems and GPRS/IMT2000 Networks". Working Groups of both TSGs have reviewed ITU-T COM 16's Technical Report on the subject, and have the following remarks:

- Packet-based services that are not being standardized within 3GPP are envisioned to use GPRS in a transparent manner. In fact, vast majority of the packet-based services that are being standardized in 3GPP also use GPRS in a transparent manner. In this sense, H.323-based services shall also use GPRS as a transparent packet bearer, and hence will not impact GPRS specifications in any way. GPRS provides a generally applicable mechanism of transferring IP packets between two UEs, or between a UE and some centralized server. As such it can be generally applicable to the transport of any protocol that can be supported using IP, including H.323 protocols.

- It should be noted that 3GPP is the appropriate point for specifying requirements on GPRS equipment. This does not preclude the specification of additional functionality which might be incorporated in GPRS equipment outside of 3GPP, however this additional functionality must not change the GPRS functionality as specified within 3GPP.

- 3GPP has specified SIP-based multimedia system, also known as IP Multimedia Subsystem (IMS), in order to support multimedia services over a packet bearer. Hence, 3GPP already has a standardized system to cover the services that may also be supported by an H.323-based system. However, 3GPP does not preclude the transport of SIP over GPRS to other SIP servers not using the IM CN subsystem. In the same manner it does not preclude the transport of H.323 protocols over GPRS to H.323 servers.

- At the same time, while the specifications for GPRS support of the transport of IP multimedia to the IM CN subsystem have been extensively checked and validated, transport of SIP to other servers using GPRS has not been likewise treated by 3GPP. Similarly 3GPP do not envisage conducting any such exercise for H.323 protocols. 3GPP would also not envisage making any specific changes to GPRS to cover these applications, although would obviously consider changes to GPRS that were considered to be generally useful enhancements, or flaws in the protocol. Note that GPRS has been specified since Release 97, and any enhancements would only be considered in Release 7 (equipment implementing these enhancements would therefore coexist in the field with six other GPRS supporting releases which did not support such enhancements). 3GPP does consider all proposals that meet its contribution rules.

- 3GPP Release-6 is planned to include additional capabilities for GPRS that are thought to be useful for many packet-based services. These capabilities, which may also be useful for H.323-based services, are: IP-flow-based bearer level charging (see 3GPP TS 23.125), Service-based policy control evolution (see 3GPP TS 23.207).

**2. Actions:**

**To ITU-T COM 16:**

TSG-SA kindly ask ITU-T COM 16 to take the above points into account when progressing their work on "Mobility between H.323 Multimedia Systems and GPRS/IMT2000 Networks".

**3. Date of Next TSG-SA Meetings:**

| | | |
|---|---|---|
| SA#24 | 7th – 10th June 2004 | Seoul, Korea |
| SA#25 | 13th – 16th Sep 2004 | Palm Springs, USA |