Technical Specification Group Services and System Aspects
Meeting #8, Dusseldorf, Germany, 26-28 June 2000

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Subject: Proposed New Work Item for R2000 - The Standardisation of A Default Video Codec

Video applications will be common in 3G products and even from launch will distinguish 3G networks from existing 2G networks. Video applications are becoming widely used on the Internet and various standards have been established. It is apparent, however, that the specification and use of a default codec would be beneficial for 3G based systems and an essential requirement for services provided using the IP Multimedia Domain. The advantages are seen as:-

- It will ensure that 3G terminals will interwork correctly end to end without the need for standards conversion in the network or the need to support multiple codecs in the terminal;
- A guaranteed customer-perceived quality of service can be more easily provided;
- Efficient coding principles will help to minimise the use of the radio resource;
- It would be one of the guaranteed toolkit capabilities that applications can be built upon, because terminals and networks would support it efficiently and effectively.

It should be noted that the standardisation of a default video codec would not stop the use of other codecs "transparently" through the network if the end user or end application require it.

S4 has already provided specifications for the use of video coding in circuit-switched (CS) multimedia applications in TS 26.110, 111 and 911. It is suggested that this work should form the basis for a default video codec for the IP Multimedia Domain.

In conclusion, it is proposed that a new S4 Work Item be agreed for the specification and standardisation of a default video codec for R2000.