Technical Specification Group Services and System Aspects   *TSGS#09(00)0400*

Meeting #9, Kapolei, Hawaii, USA, 25-28 September 2000   **Agenda Item: 7.4.3**

3GPP TSG-S4#12   *Tdoc S4 408/00*

September 4-8, 2000, Bethesda, USA

LS :   Proposed **Reply to ITU-T SG16 communication on basic operators**

Source :   **3GPP TSG-SA WG4**

To :   **ITU-T Q.22/16**

S4 thanks ITU-T SG16 for its communication regarding the work of Q.22/16's on basic operators.

As SG16 is aware, 3GPP is in the process of standardising a wideband adaptive multi-rate (AMR-WB) speech codec for 2G and 3G mobile applications. S4 has agreed that the fixed-point C-code description of AMR-WB will use the 16- and 32-bit basic arithmetic operators used to define the ETSI/3GPP narrowband adaptive multi-rate (AMR-NB) speech codec. These are a subset of the 32-bit basic operators recently incorporated into the ITU-T Software Tool Library Release 2000, and are also used to describe the ETSI full-rate (FR), half-rate (HR), and enhanced full-rate (EFR) GSM speech codecs.

S4 would also like to inform SG16 that it currently has no plans to use operators based on a 40-bit accumulator in the fixed-point specification of its coding algorithms.

As regards weights, there are no work item planned for their revision.