

**3GPP TSG SA**  
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**From:** TADIG  
**To:** 3GPP  
**Copy:** BARG, SMG6  
**Subject:** UMTS Charging

For GSM it has proved extremely useful that specifications which standardise the contents of charging tickets have been available, namely TS GSM 12.05 and TS GSM 12.15.

The billing interface specification for inter operator accounting i.e. TAP relies on these specifications as far as network level charging information is concerned. From our perspective a timely update of TAP3 for UMTS will not be possible without corresponding charging specifications for UMTS.

We therefore ask you to confirm that similar charging specifications will be available for UMTS phase 1 and later releases and to identify the timescales for their availability.

We would like to emphasize that according to our experience it takes a year to accomodate TAP changes to billing systems, i.e. ideally the TAP3 specification should be updated one year before roaming with UMTS networks becomes a reality.

Please indicate the body within 3GPP which will be responsible for the mainenance.

DRAFT