

Source: SA1

Title: CR to 22.115 on Introduction of charging for IPMultimedia and
Event Based Charging

Document for: Approval

Agenda Item: 7.1.3

Spec	CR	Re v	Phas e	Subject	Cat	Versio n- Curren t	Versio n-New
22.115	005		Rel-5	Introduction of charging for IPMultimedia and Event Based Charging	B	3.3.0	5.0.0

CHANGE REQUEST

⌘ **22.115** **CR** **005** ⌘ rev **-** ⌘ Current version: **3.3.0** ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

Proposed change affects: ⌘ (U)SIM ME/UE Radio Access Network Core Network

Title:	⌘ Introduction of charging for IPMultimedia and VAS Based Charging		
Source:	⌘ SA1		
Work item code:	⌘ IMS-OAM	Date:	⌘ 06/02/2001
Category:	⌘ B	Release:	⌘ REL-5
Use <u>one</u> of the following categories: F (essential correction) A (corresponds to a correction in an earlier release) B (Addition of feature), C (Functional modification of feature) D (Editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900.		Use <u>one</u> of the following releases: 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) REL-4 (Release 4) REL-5 (Release 5)	

Reason for change:	⌘ Additional features for alignment with new functionality defined in TS 22.228 and to provide VAS based charging
Summary of change:	⌘ New informations provided by the serving network and by the user to apply IPMultimedia Charging and VAS Based Charging. New special cases described to apply IPMultimedia and VAS Based Charging
Consequences if not approved:	⌘ No means will be available to apply IPMultimedia and VAS Based Charging

Clauses affected:	⌘ 5.1.1, 5.1.2, 5.2.5, 5.2.6	
Other specs affected:	⌘ <input type="checkbox"/> Other core specifications	⌘
	<input type="checkbox"/> Test specifications	
	<input type="checkbox"/> O&M Specifications	
Other comments:	⌘ It is noted that in the last clause there may be limits as to what actually may be achieved and this may require further study.	

How to create CRs using this form:
 the change request.

5.1.1 Information provided by the user

The user's user equipment that is incurring the charge shall provide the following information to the serving network:

- User identity used for authentication;
- Home environment identity;
- Terminal Identity and Terminal Class;
- Destination endpoint identifier for service requested (e.g. B number);
- Resource requested (e.g. bandwidth, connectionless);
- QoS parameters (e.g. maximum delay);
- IP Multimedia capability requested (e.g. media components)

5.1.2 Information provided by the serving network

The serving network serving the user shall provide the following information to the home environment:

- All of the information listed in section above (Information provided by the user);
- Serving network identity;
- Recording network element identity;
- Universal Time (UT) at which the service request was initiated;
- Universal Time (UT) at which resources were provided for the service;
- Resource allocated to the user;
- Quantity of data transferred both to and from the user;
- QoS provided to the user;
- Location of the user in the standard format used for UMTS location based services (e.g. geographical co-ordinates, Cell ID);
- whether GSM Optimal Routing was applied;
- If IN or CAMEL services were applied, the service parameters and the actually used destination number and calling party number identification;
- Time duration covered by this call record to an accuracy of at least 1 second;
- Unique identity of the chargeable event which allows the billing system to correlate all records belonging to the same chargeable event;
- Unique CDR identity (unique per network element in a period of about 100 days).
- IP Multimedia capability provided to the user
- VAS information

5.2.5 VAS

It shall be possible to charge the user for Value Added Services offered by the network in terms of access, surfing, queries etc. irrespectevly of the volume of data sent or received by the user. **Usage of IP Multimedia service**

It shall be possible to charge the usage of IP multimedia service independently of the volume of data sent or received by the user. Information on the IP Multimedia capability provided to the user (e.g. voice, mixture of voice and video component, numbers of parties) should be available in the CDR.