

3GPP TSG CN Plenary Meeting #16
5th - 7th June 2002. Marco Island, USA.

NP-020193

Source: CN5 (OSA)
Title: Rel-5 CR 29.198-11 OSA API Part 11: Account management
Agenda item: 8.2
Document for: APPROVAL

Doc-1 st -Level	Spec	CR	R v	Pha	Subject	Cat	Ver Curr	Ver New	Doc-2 nd -Level	Work item
NP-020193	29.198-11	008	-	Rel-5	Change to new Service Property P_MAX_ADDRESSES_PER_QUERY for Account Management	F	4.3.0	5.0.0	N5-020359	OSA2

CHANGE REQUEST

⌘ **29.198-11 CR 008** ⌘ rev **-** ⌘ Current version: **4.3.0** ⌘

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:	⌘ Change to new Service Property P_MAX_ADDRESSES_PER_QUERY for Account Management		
Source:	⌘ CN5		
Work item code:	⌘ OSA2	Date:	⌘ 17/05/2002
Category:	⌘ F	Release:	⌘ REL-5
	Use <u>one</u> of the following categories: F (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:	⌘ In The Account Management SCF there exists a method, queryBalanceReq(), which allows an application to query the balance of one or several users. If bulk queries are allowed through the use of the P_BULK_QUERIES_ALLOWED property, then there is currently no way to limit the number of addresses which the application can query in one request. If the request contains a very large number of addresses (i.e. 10,000+), then the corresponding response method would contain a large amount of data (representing the balances of all the addresses) which could adversely impact the performance of the OSA Gateway.
Summary of change:	⌘ It is proposed that a new service property replace the current P_BULK_QUERIES_ALLOWED. This new service property named P_MAX_ADDRESSES_PER_QUERY of type INTEGER_SET would indicate the maximum number of addresses which are allowed per queryBalanceRes(). If the value is set to 1, then no bulk queries are allowed. If the value is set greater than 1, then bulk queries are allowed, but the number of addresses are limited by the value.
Consequences if not approved:	⌘ OSA Gateway implementations may be adversely affected if this change is not approved.

Clauses affected:	⌘ 10
Other specs affected:	⌘ <input type="checkbox"/> Other core specifications ⌘ <input type="checkbox"/> Test specifications <input type="checkbox"/> O&M Specifications
Other comments:	⌘

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at: http://www.3gpp.org/3G_Specs/CRs.htm. Below is a brief summary:

- 1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.
- 2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under <ftp://ftp.3gpp.org/specs/>. For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.
- 3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

10 Account Management Service Properties

The following table lists properties relevant for the Account Management API.

Property	Type	Description/Interpretation
P_EVENT_TYPES	INTEGER_SET	Indicates the event types supported by the SCS. Static events are the events by which applications are initiated.
P_ADDRESSPLAN	INTEGER_SET	Indicates the supported address plan (defined in TpAddressPlan.) E.g. {P_ADDRESS_PLAN_E164, P_ADDRESS_PLAN_IP}

The previous table lists properties related to the capabilities of the SCS itself. The following table lists properties that are used in the context of the Service Level Agreement, e.g. to restrict the access of applications to the capabilities of the SCS.

Property	Type	Description/Interpretation
P_TRIGGERING_ADDRESSES	ADDRESS_RANGE_SET	Indicates for which numbers the notification may be set. For terminating notifications it applies to the terminating number, for originating notifications it applies only to the originating number.
P_CURRENCY_ALLOWED	STRING_SET	Indicates the currencies that can be returned in the queryBalanceRes. The valid values for the string set are according to ISO-4217:1995. E.g. {"EUR", "NLG"}.
P_HISTORY_ALLOWED	STRING_SET	Indicates the length of the transaction history interval that is allowed to be retrieved by the application. The valid values for the string are according to TpDateAndTime. The string-set will be of format {"lower_start_time", "upper_stop_time"}, e.g. {"1998-12-04 10:30", "1999-12-04 10:30"}
P_BULK_QUERY_ALLOWED	BOOLEAN_SET	Indicates whether the application is allowed to issue a queryBalanceReq for more than one user. Value = TRUE : the users parameter of type TpAddressSet may contain more than one user. Value = FALSE : the users parameter of type TpAddressSet may contain only one user.
P_MAX_ADDRESSES_PER_QUERY	INTEGER_SET	Indicates the maximum number of addresses which can be included in a queryBalanceReq.