

Source: CT5 (OSA)
Title: Rel-6 CR 29.199-07
Agenda item: 9.7 (OSA Enhancements [\[OSA3\]](#))
Document for: APPROVAL

Doc-1st-Level	Spec	CR	Rev	Phase	Subject	Cat	Version-Current	Doc-2nd-Level	Workitem
CP-050161	29.199-07	0001	-	Rel-6	Change Return single- to multiple-balances to GetBalance operation	C	6.0.0	C5-050308	OSA3

CHANGE REQUEST

⌘ **29.199-07 CR 0001** ⌘ rev - ⌘ Current version: **6.0.0** ⌘

For [HELP](#) on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

Proposed change affects: UICC apps ME Radio Access Network Core Network

Title:	⌘ Change Return single- to multiple-balances to GetBalance operation		
Source:	⌘ CT5 Richard Dawson (CSG Systems - Parlay Member)		
Work item code:	⌘ OSA3	Date:	⌘ 10/05/2005
Category:	⌘ C	Release:	⌘ Rel-6
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)		Ph2 (GSM Phase 2)
	A (corresponds to a correction in an earlier release)		R96 (Release 1996)
	B (addition of feature),		R97 (Release 1997)
	C (functional modification of feature)		R98 (Release 1998)
	D (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)
			Rel-7 (Release 7)

Reason for change:	⌘ Current GetBalance and BalanceUpdate operations use a single balance which is too restrictive.
Summary of change:	⌘ Extend GetBalanceResponse and BalanceUpdate operations to use a set of balances. Addition of GetBalanceTypes operation
Consequences if not approved:	⌘ Restricts use of GetBalance and BalanceUpdate operations

Clauses affected:	⌘ New 7.2, New 7.3, 8.1.1, 8.1.1.2, 8.1.2.2, 8.1.3.1, 8.1.6, Annex A						
Other specs affected:	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Y</td> <td style="padding: 2px;">N</td> </tr> <tr> <td style="text-align: center; padding: 2px;"><input type="checkbox"/></td> <td style="text-align: center; padding: 2px;"><input checked="" type="checkbox"/></td> </tr> </table>	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other core specifications	⌘
	Y	N					
	<input type="checkbox"/>	<input checked="" type="checkbox"/>					
<input checked="" type="checkbox"/>	Test specifications	⌘					
<input checked="" type="checkbox"/>	O&M Specifications	⌘					
Other comments:	⌘ Changes to the WSDL representation of this interface specification is compliant to 3GPP TS 29.199-1 and is contained in text files contained in archive which accompanies this CR : o parlayx_account_management_types_2_0.xsd o parlayx_account_management_interface_2_0.wsdl						

Change in Clause 7.1

7.1 DatedTransaction structure

This data structure represents a transaction record.

Element Name	Element Type	Description
TransactionDate	xsd:dateTime	The date the transaction occurred.
TransactionDetails	xsd:string	The transaction details.

7.2 Balance structure

This data structure represents a balance record.

<u>Element Name</u>	<u>Element Type</u>	<u>Description</u>
<u>BalanceType</u>	<u>xsd:string</u>	<u>Identifies the type of balance. End user accounts may have one or more balances for different types of usage (e.g Voice, SMS, gaming etc)</u>
<u>Amount</u>	<u>xsd:decimal</u>	<u>Amount of balance</u>

7.3 BalanceExpireDetails structure

This data structure represents balance expiry details.

<u>Element Name</u>	<u>Element Type</u>	<u>Description</u>
<u>BalanceType</u>	<u>xsd:string</u>	<u>Identifies the type of balance. End user accounts may have one or more balances for different types of usage (e.g Voice, SMS, gaming etc)</u>
<u>Date</u>	<u>xsd:dateTime</u>	<u>It is the date the identified balance will expire. Null is returned if the balance does not expire</u>

End of Change in Clause 7.1

Change in Clause 8.1.1

8.1.1 Operation: GetBalance

This message results in getting account balances indicated by the end user identifier and associated end user PIN. The returned amount for each balance is specified as a currency amount.

End users accounts may have a single balance for all usage, or may have multiple balances for different uses. For example, an end user may have a separate balance for voice calls, SMS messages, and GPRS usage.

End of Change in Clause 8.1.1

Change in Clause 8.1.1.2

8.1.1.2 Output message: GetBalanceResponse

Part name	Part type	Optional	Description
Amount	xsd:decimal		It is the balance on the end user's account.
Balance	Balance [1...unbounded]	No	It is a Balance array that consists of types with a string and a decimal field i.e. the balance type and balance amount respectively.

End of Change in Clause 8.1.2.2

Change in Clause 8.1.2.2

8.1.2.2 Output message: GetCreditExpiryDateResponse

Part name	Part type	Optional	Description
Date	xsd:dateTime		It is the date the current balance will expire. Nil is returned if the balance does not expire.
BalanceExpiryDetails	BalanceExpiryDetails [1...unbounded]	No	It is a BalanceExpiryDetails array that consists of types with a string and a date field. i.e Balance type and date balance will expire respectively

End Change in Clause 8.1.2.2

Change in Clause 8.1.3.1

8.1.3.1 Input message: BalanceUpdateRequest

Part name	Part type	Optional	Description
EndUserIdentifier	xsd:anyURI	No	This parameter identifies the end user's account.
EndUserPin	xsd:string	Yes	OPTIONAL. Contains the end user's credentials for authorizing access to the account.
ReferenceCode	xsd:string	No	Textual information to uniquely identify the request, e.g. in case of disputes
BalanceType	xsd:string	No	Identifies the type of balance. End user accounts may have one or more balances for different types of usage (e.g. Voice, SMS, gaming etc)
Amount	xsd:decimal	No	Currency amount that should be added to the end user's account.
Period	xsd:int	Yes	OPTIONAL. The balance is requested to expire in the number of days indicated by this parameter. The operator's policies may overrule this parameter. If this optional parameter is not present, the operator's policy on balance expiration is always in effect.

End Change in Clause 8.1.3.1

Change in Clause 8.1.6

[8.1.6 Operation: GetBalanceTypes](#)

[This message results in getting a set of valid account balance types per account.](#)

8.1.6.1 [Input message: GetBalanceTypesRequest](#)

Part name	Part type	Description
EndUserIdentifier	xsd:anyURI	This parameter identifies the end user's account.
EndUserPin	xsd:string	OPTIONAL: Contains the end user's credentials for authorizing access to the account

8.1.6.2 [Output message: GetBalanceTypesResponse](#)

Part name	Part type	Description
BalanceTypes	xsd:string [1...unbounded]	Identifies the types of balance. End user accounts may have one or more balances for different types of usage (e.g Voice, SMS, gaming etc)

End Change in Clause 8.1.6

Change in Clause Annex A

Annex A (normative): WSDL for Account Management

The document/literal WSDL representation of this interface specification is compliant to 3GPP TS 29.199-1 [6] and is contained in text files (contained in archive 29199-07-6190-doclit.zip) which accompanies the present document.

End of Change in Annex A.1 End of Document

Annex B (informative): Change history

Change history							
Date	TSG #	TSG Doc.	CR	Rev	Subject/Comment	Old	New
Jun 2004	CN_24	NP-040274	--	--	Split into multi-part specification. 29.199-0n, for n=1,2...9. Submitted to CN#24 for Information	1.0.3	
Sep 2004	CN_25	NP-040360	--	--	Draft v200 submitted to TSG CN#25 for Approval.	2.0.0	6.0.0