

Source: TSG-T3
Title: Change Requests to TS 43.019 "SIM API for Java Card™"
Document for: Approval

This document contains several change requests as follows:

Doc-1st-Level	Spec	CR	Phase	Subject	Cat	Vers. old	Vers. new	Doc-2nd-Level
TP-020283	43.019	028	Rel-5	Clarification of several methods regarding APDU overflow	F	5.4.0	5.5.0	T3-020882
TP-020283	43.019	029	Rel-5	Availability of Proactivehandler and ProactiveResponseHandler for EVENT_FIRST_COMMAND_AFTER_SELECT	F	5.4.0	5.5.0	T3-020938

CR-Form-v7

CHANGE REQUEST

⌘ **43.019 CR 28** ⌘ rev **-** ⌘ Current version: **5.4.0** ⌘

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:	⌘ Clarification of several methods regarding APDU overflow		
Source:	⌘ T3		
Work item code:	⌘ Java API	Date:	⌘ 06/11/2002
Category:	⌘ F	Release:	⌘ REL-5
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)	2	(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)

Reason for change:	⌘ Clarify the behaviour of the <i>EnvelopeResponsehandler</i> and <i>ProactiveHandler</i> in case of APDU overflow		
Summary of change:	⌘ Correct the description of the <i>post()</i> , <i>postAsBERTLV()</i> and <i>send()</i> methods		
Consequences if not approved:	⌘ The above behaviour remains not defined		

Clauses affected:	⌘ Annex A										
Other specs affected:	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="width: 20px; text-align: center;"> </td> <td style="width: 20px; text-align: center;"> </td> </tr> <tr> <td style="width: 20px; text-align: center;">X</td> <td style="width: 20px; text-align: center;"> </td> </tr> <tr> <td style="width: 20px; text-align: center;"> </td> <td style="width: 20px; text-align: center;"> </td> </tr> </table>	Y	N			X				Other core specifications	⌘
Y	N										
X											
		Test specifications	51.013								
		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/specs/CR.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.

Class `sim.toolkit.EnvelopeResponseHandler`

```

/**
 * Prepares the Envelope response. Should be used with Envelope SMS-PP Data
 * Download.
 *
 * @param statusType the status to be sent to the ME (SW1_RP_ACK or SW1_RP_ERROR)
 *
 * @exception ToolkitException with the following reason codes: <ul>
 * <li><code>HANDLER_NOT_AVAILABLE</code> if the handler is busy </li>
 * @exception APDUException with the following reason code: <ul>
 * <li><code>BAD_LENGTH</code> if the resulting response length is greater
 * than 256 and the response data has to be retrieved by the GET RESPONSE
 * command.</li>
 * </ul>
 */
public void post(byte statusType) throws APDUException,
ToolkitException {
}

```

```

/**
 * Prepare the Envelope response in a BER TLV structure. Should be used with Envelope
 * Call Control by SIM or MO Short Message Control by SIM. The tag value is to be used
 * to set the Result for Call Control and MO Short Message Control by the SIM.
 *
 * @param statusType the status to be sent to the ME (SW1_RP_ACK or SW1_RP_ERROR)
 * @param tag the BER Tag to be used at the beginning of the SIMPLE_TLV list.
 *
 * @exception ToolkitException with the following reason codes: <ul>
 * <li><code>HANDLER_NOT_AVAILABLE</code> if the handler is busy</li>
 * @exception APDUException with the following reason code: <ul>
 * <li><code>BAD_LENGTH</code> if the resulting response length is greater
 * than 256 and the response data has to be retrieved by the GET RESPONSE
 * command.</li>
 * </ul>
 */
public void postAsBERTLV(byte statusType, byte tag) throws APDUException,
ToolkitException {
}

```

Class `sim.toolkit.ProactiveHandler`

```

/**
 * Sends the current Proactive command.
 *
 * @return general result of the command (first byte of Result TLV in Terminal Response)
 *
 * @exception ToolkitException with the following reason codes: <ul>
 * <li><code>UNAVAILABLE_ELEMENT</code> if the Result Simple TLV is missing.
 * <li><code>OUT_OF_TLV_BOUNDARIES</code> if the general result byte is missing in the Result Simple
 * TLV.</li>
 * @exception APDUException with the following reason code: <ul>
 * <li><code>BAD_LENGTH</code> if the resulting proactive command length is greater than 256.</li>
 * </ul>
 */
public byte send() throws APDUException,
ToolkitException {
    return 0;
}

```

CR-Form-v7

CHANGE REQUEST

⌘ **43.019 CR 029** ⌘ rev **-** ⌘ Current version: **5.4.0** ⌘

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:	⌘ Availability of ProactiveHandler and ProactiveResponseHandler for EVENT_FIRST_COMMAND_AFTER_SELECT				
Source:	⌘ TSG T3				
Work item code:	⌘ Java API	Date:	⌘ 08/11/2002		
Category:	⌘ F	Release:	⌘ REL-5		
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:		
	F (correction)		2 (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)		

Reason for change:	⌘ The information on the availability of ProactiveHandler and ProactiveResponseHandler for EVENT_FIRST_COMMAND_AFTER_SELECT was suppressed in a previous version of TS 43.019 but is still needed				
Summary of change:	⌘ Indicate the availability of ProactiveHandler and ProactiveResponseHandler for EVENT_FIRST_COMMAND_AFTER_SELECT.				
Consequences if not approved:	⌘ The availability of ProactiveHandler and ProactiveResponseHandler for EVENT_FIRST_COMMAND_AFTER_SELECT is not specified				

Clauses affected:	⌘ § 6.2												
Other specs affected:	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> </tr> <tr> <td style="text-align: center;">X</td> <td style="text-align: center;"> </td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> </tr> </table>	Y	N			X				Other core specifications	⌘		
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EVENT_FIRST_COMMAND_AFTER_SELECT

Upon reception of the first command received by the GSM application after it has been selected or after the ATR if it is the default application, and before the Status Word of the processed command has been sent back by the GSM application, the toolkit framework shall trigger all the toolkit applets registered to this event.

If the first command received by the GSM application is a toolkit applet triggering command (e.g. TERMINAL PROFILE), the toolkit applets registered on the EVENT_FIRST_COMMAND_AFTER_SELECT event shall be triggered first.

The ProactiveHandler and the ProactiveResponseHandler shall not be available at the invocation of the processToolkit method of the toolkit applet on the EVENT_FIRST_COMMAND_AFTER_SELECT event.