Product Name	**9x07**
Number of Pages	**7**
Produce Version	**9x07_STK_AT_Command_Manual_V1.01**
Date	**2016-08-29**

9x07

STK_AT_Command

V1.01

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1. AT+STIN SAT Indication

Description

Every time the SIM Application issues a Proactive Command, via the ME, the TA will receive an indication. This indicates the type of Proactive Command issued.

AT+STGI must then be used by the TA to request the parameters of the Proactive Command from the ME. Upon receiving the +STGI response from the ME, the TA must send AT+STGR to confirm the execution of the Proactive Command and provide any required user response, e.g. a selected menu item.

Syntax

Command	Response
AT+STIN=?	OK
AT+STIN?	+STIN: <cmd_id> OK

Unsolicited Result Codes

Parameter	values	Explain
+STIN: <cmd_id>	21,22,23,24	Proactive Command notification 21 --- display text 22 --- get inkey 23 --- get input 24 --- select item
+STIN: 25		Notification that SIM Application has returned to main menu. If user doesn't do any action in 2 minutes, application will return to main menu automatically.

Defined values

Parameter	values	Explain
<cmd_id>	21,22,23,24, 25,0	21 --- display text 22 --- get inkey 23 --- get input 24 --- select item 25 --- set up menu 0 --- none command

Examples

```
AT+STIN?
+STIN: 24

OK
```

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2. AT+STGI Get SAT information

Description

Regularly this command is used upon receipt of an URC "+STIN" to request the parameters of the Proactive Command. Then the TA is expected to acknowledge the AT+STGI response with AT+STGR to confirm that the Proactive Command has been executed. AT+STGR will also provide any user information, e.g. a selected menu item. The Proactive Command type value specifies to which "+STIN" the command is related.

Syntax

Command	Response
AT+STGI=?	OK
AT+STGI=<cmd_id>	If <cmd_id>=10: OK
	If <cmd_id>=21: +STGI:21,<prio>,<clear_mode>,<text_len>,<text> OK
	If <cmd_id>=22: +STGI: 22,< rsp_format>,< help>,<text_len>,<text> OK
	If <cmd_id>=23: +STGI:23,<rsp_format>,<max_len>,<min_len>,<help>,<show>,<text_len>,<text> OK
	If <cmd_id>=24: +STGI:24,<help>,<softkey>,<present>,<title_len>,<title>,<item_num> +STGI:24,<item_id>,<item_len>,<item_data> […] OK
	If <cmd_id>=25: +STGI:25,<help>,<softkey>,<title_len>,<title>,<item_num> +STGI:25,<item_id>,<item_len>,<item_data> [...] OK

Defined values

Parameter	values	Explain
<cmd_id>	21,22,23, 24,25	21 --- display text 22 --- get inkey 23 --- get input 24 --- select item 25 --- set up menu
<prio>	0,1	Priority of display text 0 --- Normal priority

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		1 --- High priority
<clear_mode>	0,1	0 --- Clear after a delay 1 --- Clear by user
<text_len>		Length of text
<rsp_format>	0,1,2,3,4	0 --- SMS default alphabet 1 --- YES or NO 2 --- numerical only 3 --- UCS2
<help>	0,1	0 --- Help unavailable 1 --- Help available
<max_len>		Maximum length of input
<min_len>		Minimum length of input
<show>	0,1	0 --- Hide input text 1 --- Display input text
<softkey>	0,1	0 --- No softkey preferred 1 --- Softkey preferred
<present>	0,1,2	Menu presentation format available for select item 0 --- Presentation not specified 1 --- Data value presentation 2 --- Navigation presentation
<title_len>		Length of title
<item_num>		Number of items in the menu
<item_id>		Identifier of item
<item_len>		Length of item
<title>		Title in ucs2 format
<item_data>		Content of the item in ucs2 format
<text>		Text in ucs2 format.

Examples

```
AT+STGI=25
+STGI:25,0,0,10,"795E5DDE884C59295730",15
+STGI:25,1,8,"8F7B677E95EE5019"
+STGI:25,2,8,"77ED4FE17FA453D1"
+STGI:25,3,8,"4F1860E05FEB8BAF"
+STGI:25,4,8,"4E1A52A17CBE9009"
+STGI:25,5,8,"8D448D3963A88350"
+STGI:25,6,8,"81EA52A9670D52A1"
+STGI:25,7,8,"8F7B677E5F6994C3"
+STGI:25,8,8,"8BED97F367425FD7"
+STGI:25,9,10,"97F34E506392884C699C"
+STGI:25,10,8,"65B095FB59296C14"
+STGI:25,11,8,"94C358F056FE7247"
```

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```
+STGI:25,12,8,"804A59294EA453CB"
+STGI:25,13,8,"5F005FC34F1195F2"
+STGI:25,14,8,"751F6D3B5E388BC6"
+STGI:25,21,12,"00530049004D53614FE1606F"

OK
```

3.AT+STGR SAT respond

Description

The TA is expected to acknowledge the AT+STGI response with AT+STGR to confirm that the Proactive Command has been executed. AT+STGR will also provide any user information, e.g. A selected menu item.

Syntax

Command	Response
AT+STGR=?	OK
AT+STGR=<cmd_id>[,<data>]	OK

Defined values

Parameter	values	Explain
<cmd_id>	22,23,24, 25,83,84	22 --- get inkey 23 --- get input 24 --- select item 25 --- set up menu 83 --- session end by user 84 --- go backward
<data>	if <cmd_id>=22:	Input a character
	If <cmd_id>=23:	Input a string. If <rsp_format> is YES or NO, input of a character in case of ANSI character set requests one byte, e.g. “Y”. If <rsp_format> is numerical only, input the characters in decimal number, e.g. “123” If <rsp_faomat> is UCS2, requests a 4 byte string, e.g. “0031” <rsp_faomat> refer to the response by AT+STGI=23
	If <cmd_id>=24:	Input the identifier of the item selected by user
	If <cmd_id>=25:	Input the identifier of the item selected by user
	If <cmd_id>=83:	<data> ignore Note: It could return main menu during Proactive Command id is not 22 or 23
	If<cmd_id>= 84:	<data> ignore

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Examples

```
AT+STGR=25,1
OK
+STIN: 24
```

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