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No. 53-89/2013-CMTS (Pt.VII)/

Dated: 22.01.2015

To,

The Chief General Manager,
Chhattisgarh Telecom Circle,
Raipur.

Sub:- Incorporation of Celltick Applet in the SIM cards being procured in BSNL.

Ref: - Your office letter no. CMTS/SIM creation/CH-VI/2014-15/31 dated 09/01/2015.

With reference to your office letter under reference it is informed that:

- (1) No separate GR for Celltick Applet is available as this is just an application to be incorporated in new SIM cards being procured in BSNL.
- (2) Earlier, vide letter no. even dated 09/01/2015 (available on BSNL Intranet Portal) it was conveyed that incorporation of Celltick applet in SIMs may be made desirable but not mandatory in the case where tender for procurement of SIMs has already been floated on or before **31.12.2014**.
- (3) Vide letter no. even dated 22/12/2014 & dated 06/01/2015 (available on BSNL Intranet Portal) BSNL CO has already conveyed the requirements w.r.t incorporation of Celltick Applet in SIM cards. Further, please find herewith enclosed the WIB and Celltick Co-existence Scenario analysis and proposed action to be taken thereof.

This is issued with the approval of GM (NWP-GSM), BSNL CO.

(Signature)
(Y Agrohi)

Addl GM (NWP-M1)

Encl :- As above.

Copy to:-

- The CGM's of all Telecom Circles/Metro Districts for information & N/A please.

WIB and Celltick Co-Existence Scenario Analysis and Proposal action

			Proposed action
1	On TP	Menu Ordering in SetUpMenu Proactive Command	Which menu should appear first in menu list Celltick should be the first in the menu tree.
2		Celltick Menu last in SetUpMenu Command.	No of menus in WIB Menu file are more than that can be fit in SetUpMenu command. Should celltick menu be trimmed or not? Celltick menu shall not be trimmed.
3		Celltick and WIB Menus with same Item ID	As WIB menus are dynamically updatable it is possible that WIB and Celltick Menu may have the same Item Id Celltick Menu ID has to be configured to be the last Menu Item ID.
4		Alpha identifier of SetUpMenu Command	As both celltick and WIB has their own alpha identifier files. So which file is to be used for choosing alpha identifier to use in SetUpMenu command. WIB menu title file shall be used for alpha identifier in SetUpMenu proactive command.
5		Multiple poll interval for both WIB and Celltick	Celltick issues poll interval only once at TP while WIB issues poll interval everytime WIB goes into WFR. If both poll interval are issued with different time interval then it may cause unexpected behaviour. Common value may be used for POLL interval.
6	WFR State	Celltick Menu selection while WIB is in WFR State,	WIB disregards menu selection during WFR until perseverance is not expired, but celltick has no such limitation Celltick menu shall be disregarded.
7		Celltick content packet arrives while WIB is displaying Sending /Intermediate/ Receiving Info	Should packet be discarded or buffered Content packet shall be buffered and will be displayed on next status command
8		Celltick command packet arrives while WIB is displaying Sending /Intermediate/ Receiving Info	should packet be executed or discarded Command packet shall be executed, but in case if command packet contains any proactive command then it shall not be issued and control will come out of celltick.
9	Celltick Pause State and WIB WFR	Celltick response packet is in execution while Wib is in WFR state but not displaying any information.	TR of proactive command issued by Celltick response packet is pending and WIB packet arrives. WIB packet shall be queued and start executing once Celltick proactive session exits and TR of WIB application arrives..
10		Celltick response packet arrives while Wib is in WFR state but not displaying any information.	should packet be executed or discarded Celltick response packet will be executed and WIB will remain in WFR state
11	Celltick Pause State and WIB WFR	Celltick response packet arrives while WIB is displaying Sending /Intermediate/ Receiving Info	Should packet be discarded or buffered Response packet should be discarded
12		Case: Number of status for exiting Celltick Pause state is 5 and number of status to exit WIB WFR state is 7. Scenario: After 5 status commands celltick will issue DT.	If TR of celltick DT is pending meanwhile 2 status commands are received. Should WIB exit WFR on second status or not? WIB should exit WFR. Both be made as 5
13	Celltick Pause State and WIB in IDLE state	Celltick is waiting for a response packet and WIB packet arrives	Celltick is waiting for a response packet and WIB packet arrives and in execution while Celltick response packet arrives afterwards Celltick packet shall be discarded
14		Celltick is waiting for a response packet and WIB RFM packet arrives containing Refresh	After refresh, should celltick execute response packet or discard. Celltick should discard the received response packet.
15	WIB IDLE	Celltick Packet in execution and WIB packet arrives	WIB packet arrived when TR of proactive command issued by Celltick is pending. Should packet be rejected or buffered. WIB packet shall be queued and start executing once Celltick proactive session exits and TR of WIB application arrives..
16		Celltick content packet arrived and buffered while before next status WIB RFM packet arrived containing Refresh command with qualifier as 00, 02, 03	After sim initialization should Celltick packet be executed or cleared? Previously buffered message shall be cleared, and on TP celltick shall start initial power up state.
17		Celltick packet is in execution and WIB RFM packet arrives.	WIB RFM packet may contain proactive command so should WIB discard the whole packet or execute it until first proactive command is encountered? 9300 (SIM Busy) shall be thrown on RFM packet

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