Information Note

Topic SARA-U260, SARA-U270, SARA-U280 and LISA-U201 documentation update
UBX-19012786

Author Rado Šušteršič

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1 Affected Products

Product Name	Order Number	Type Number	Remarks
SARA-U260	SARA-U260-00S	SARA-U260-00S-02	
SARA-U260	SARA-U260-03S	SARA-U260-03S-01	
SARA-U270	SARA-U270-00S	SARA-U270-00S-02	
SARA-U270	SARA-U270-00X	SARA-U270-00X-01	
SARA-U270	SARA-U270-03S	SARA-U270-03S-01	
SARA-U270	SARA-U270-53S	SARA-U270-53S-02	
SARA-U270	SARA-U270-73S	SARA-U270-73S-01	
SARA-U280	SARA-U280-00S	SARA-U280-00S-01	
SARA-U280	SARA-U280-03S	SARA-U280-03S-01	
LISA-U201	LISA-U201-03S	LISA-U201-03S-01	
LISA-U201	LISA-U201-83S	LISA-U201-83S-01	

2 Type of Change

☐ Hardware modification
☐ Firmware update
☒ Documentation update
☐ Others

3 Description of Change

Based on the latest hardware changes (communicated through the SARA-U2x0 PCN [2] and the LISA-U2 PCN [4]) and the latest updated information received from the chipset and memory suppliers, u-blox recommends customers to implement an updated abrupt hardware reset procedure for the above mentioned modules in order to avoid potential issues executing the procedure when RF signal transmission or reception is in progress.

The updated abrupt hardware reset procedure is described in section "4.2.7" of the updated SARA-U2 series Data Sheet [1] and LISA-U2 series Data Sheet [3], available on u-blox website.

The previous abrupt hardware reset procedure can still be used when RF signal transmission or reception is not in progress.

Please note that according to u-blox design guideline an abrupt hardware reset procedure should be executed only when the module fails to provide a reply to AT commands after a time period longer than the one defined in the AT Commands Manual [5]. In all the other cases, in order to reboot the module, a software reset of the module should be performed by AT+CFUN command (see the AT Commands Manual [5] for more details).

4 Schedule

Updated documentation has been published on our website on 16-Apr-2019.

5 Customer Impact and Recommended Action

Implementation of the updated abrupt hardware reset procedure.

6 Reference Documents

[1] u-blox SARA-U2 series Data Sheet (UBX-13005287)
[2] u-blox SARA-U260 / SARA-U270 / SARA-U280 PCN (UBX-17061316)
[3] u-blox LISA-U2 series Data Sheet (UBX-13001734)
[4] u-blox LISA-U2 PCN (UBX-17048820)
[5] u-blox AT Commands Manual (UBX-13002752)