SUBJECT
SATELLAR radio modem family - Firmware version CU 1.3310
Date: 6.9.2013
HW ☐   FW ☒   SW ☐   **New product** ☐   **Other** ☐ :

APPLIES TO
Firmware version CU 1.3310 is for the following products in the SATELLAR radio modem family.

PRODUCT CODE AND NAME	REMARKS
YF0020 SATELLAR-2DS	1W RU and CU
YF0030 SATELLAR-2DS	1W RU and CU with display
YF0050 SATELLAR-20DS	10W RU and CU
YF0060 SATELLAR-20DS	10W RU and CU with display
YF2000 SATELLAR CU	Central Unit without display
YF2500 SATELLAR CU	Central Unit with display

CHANGES

Compared to the previous version CU 1.3235 this release contains the changes listed below.

New Features	**1. Added USB to Serial adapter drivers** Moxa 1100 series Serial-USB adapters are now also supported. **2. SNMP MIB files available from the SATELLAR www-interface** MIB files are included in the FW package and are available for download from the SATELLAR WWW interface.
Fixed Faults / Defects	**1. Serial IP functionality** Serial IP access will not be blocked by the previously opened connections, whether active or lost. **2. NMS PC operation** NMS monitoring is now working also over the IP connection. **3. NMS Import functionality** Added automatic retry in case of failed NMS Import. Also added reliability by enabling RU error notifications. **4. SNMP functionality** Presentation of values and units for the following has been fixed: • UI Voltage Critical Level • RSSI Critical Level • Voltage Bar Min • Voltage Bar Max

	5. Update of radio frequency values If frequency set up has been cancelled by user or because of erroneous values, the old values are refreshed to both, web user interface and device display.
Enhanced Features	**1. CPU performance and response time optimization** The default amount of internal logging has been decreased, which enhances response times as well as the overall CPU performance. Logging level can be manually set higher, if needed. **2. Message performance** The internal messaging functionality at the CU has been optimized, thus providing faster data transfer. **3. Stability** The CU firmware has been optimized to provide better overall stability. **4. Serial IP reliability** The reliability of the Serial IP transport has been improved. Furthermore, new configuration parameters for buffering have been introduced: • Minimum Packet Characters: Defines how many characters are read from the serial port before creating an IP packet – from 1 to 255 bytes. Default is 1. • Packet Creation Timeout: Number of seconds to wait before creating an IP packet, after the last character from serial port has been received – from 0.0 to 25.5 seconds. Default is 0.0. These parameters are available for both Serial IP over RS-232 and USB-A.

COMPATIBILITY

The table below summarizes the compatibility between the released versions of Central Unit (CU) and Radio Unit (RU).

COMPATIBILITY	RU v5.4.0.3 Released 19.4.2011	RU v5.4.1.9 Released 8.7.2012	RU v5.4.2.3 Released 1.10.2012	RU v5.5.0.0 Released 29.4.2013
CU v1.2914 1.9.2011	Supported	Not tested	Not tested	Not tested
CU v1.2928 10.10.2011	Supported	Not tested	Not tested	Not tested
CU v1.2953 2.12.2011	Supported	Not tested	Not tested	Not tested
CU v1.3126 11.6.2012	Not tested	Supported	Not tested	Not tested
CU v1.3169 1.10.2012	Not tested	Not tested	Supported	Not tested
CU v1.3235 1.2.2013	Not tested	Not tested	Supported	Supported
CU v1.3310 4.9.2013	Not tested	Not tested	Not tested	Supported

NOTE!
FW versions RU v5.4.1.9 / CU v1.3126 or newer support SATELLAR-10DS and SATELLAR-20DS.

FIRMWARE FILES

SATELLAR Digital System: Central Unit (CU) firmware version 1.3310 packages.
Update packages are available for three previous public firmware releases.

Firmware package file	Description
SATELLAR_CU_ FW_v1_3126_to_v1_3310_Update.zip	Update package over CU FW 1.3126 (Update time appr. 5 min)
SATELLAR_CU_FW_v1_3169_to_v1_3310_Update.zip	Update package over CU FW 1.3169 (Update time appr. 5 min)
SATELLAR_CU_FW_v1_3235_to_v1_3310_Update.zip	Update package over CU FW 1.3235 (Update time appr. 5 min)
SATELLAR_CU_ FW_v1_3310_Image.zip	Entire image package for overwriting the existing CU firmware