

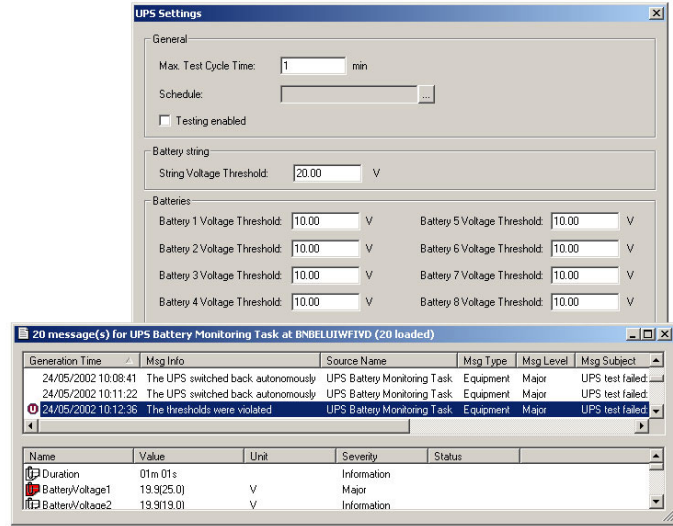
ROSA™ UPS Battery Maintenance – HFC Network Monitoring

Description

The ROSA™ Element Manager's UPS Battery Maintenance Task tests the Uninterruptible Power Supply (UPS) batteries' discharge at scheduled times and shows the status in an overview.

Batteries and UPS systems are the most vulnerable elements in today's HFC networks; to assure good operation maintenance is a requirement. The UPS Battery Maintenance Task automates this maintenance and reports the battery status in the ROSA management system.

The task is able to work with all power supply systems that are monitored by means of a standard SCTE-HMS UPS monitoring transponder. The UPS transponder is currently supported, other transponder types can be obtained on request.



The screenshot shows the 'UPS Settings' window with the following configuration:

- General: Max. Test Cycle Time: 1 min, Testing enabled:
- Battery string: String Voltage Threshold: 20.00 V
- Batteries: Battery 1-8 Voltage Thresholds: 10.00 V

Below the settings is a message log for 'UPS Battery Monitoring Task at DNBEUUIWFIVD (20 loaded)'. The log shows three messages:

Generation Time	Msg Info	Source Name	Msg Type	Msg Level	Msg Subject
24/05/2002 10:08:41	The UPS switched back autonomously	UPS Battery Monitoring Task	Equipment	Major	UPS test failed
24/05/2002 10:11:22	The UPS switched back autonomously	UPS Battery Monitoring Task	Equipment	Major	UPS test failed
24/05/2002 10:12:36	The thresholds were violated	UPS Battery Monitoring Task	Equipment	Major	UPS test failed

Below the log is a detailed view of the selected message:

Name	Value	Unit	Severity	Status
Duration	01m 01s		Information	
BatteryVoltage1	19.9 25.0	V	Major	
BatteryVoltage2	19.9 19.0	V	Information	

Features

- Instant status report on the batteries
- Long term evaluation of batteries
- No network availability risk in case of real power failure
- Comprehensive reports
- HMS UPS transponder supported, others are on request



ROSA UPS Battery Maintenance



Specifications

Additional Features	
User Interface tabs	
Task Control	Allows starting and stopping the task. The task can also start automatically after a server reboot.
Configuration	Adding the monitored UPS batteries with a simple drag-and-drop operation. Definition of the UPS battery parameters, together with the schedule used to test on a regular base.
Report	Gives an overview of the results on the performed tests. In case of a failed test, additional information is given to determine the cause of failure
License	Server based license (see ROSA documentation). Enabled by the supply of the necessary license key.
Installation	From ROSA CD

Requirements	
ROSA	Installation of ROSA 3.0 or later version
Server	See ROSA User's Guide for information

Ordering Information

HFC Network Monitoring	Part Number
UPS Battery Maintenance Task	V9529787



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