

ROSA™ Digital Headend Backup – Automation and Redundancy

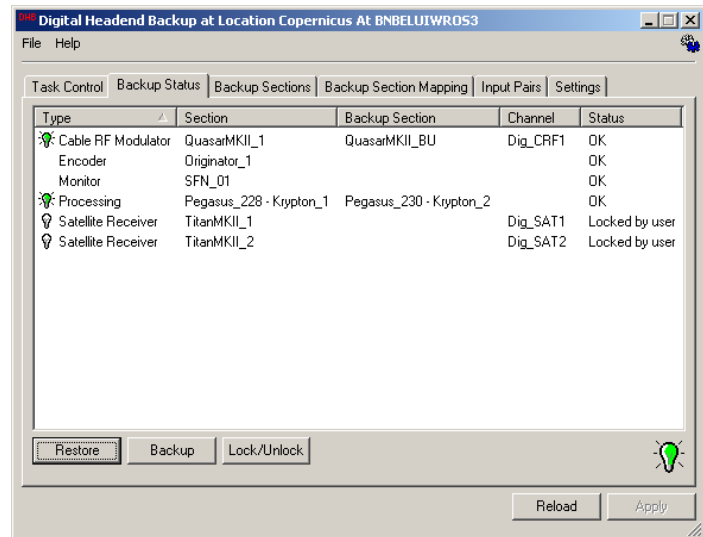
Description

The ROSA™ Element Manager's Digital Headend Backup Task provides device or transport stream redundancy backup in a digital headend.

The task analyzes the headend topology and divides it into a number of sections related to certain functionality.

Backup operation is triggered with a device alarm, an I/O contact closure using UDD or via a channel alarm of Scientific-Atlanta's LM 860™ Line Monitoring device.

Depending on the number of predefined alarm triggers, an alarm correlation is performed for the different alarms over a predefined observation interval.



Based on the diagnosis, a number of backup actions are performed on the devices. Afterwards, a post evaluation of the system is done to search for remaining alarms.

The operator has full control of the task. The task can be activated or stopped, sections can be locked to prevent backup operation in case of alarm, manual restore of sections in backup, and so forth. The task logs messages for every action that is performed.

Features

- Support for receivers, decoders, scramblers, descramblers, encoders, (re)multiplexers, transraters, up-converters, fiber optic transport, modulators, and others.
- Different router configurations are supported: full router, backup router, and so forth.
- The task collects the headend topology from the ROSA interconnection database
- Triggered by device alarm, I/O contact closure or channel alarm from LM 860
- Operator has full control of the task
- Task behavior and topology examples are described in the Digital Headend Backup User's Guide



Specifications

Additional Features	
User Interface tabs	
Task Control	Allows to initialize, start and stop the task. The task can also start automatically after a server reboot.
Backup Status	Visualization of the headend status concerning backup actions.
Backup Sections	Specification of the backup sections in the headend.
Backup Section Mapping	Mapping of sections to backup sections.
Input Pairs	Specification of identical inputs in headend with backup router setup.
Settings	Customization of the backup timing according to the headend setup.
License	Server based license (see ROSA documentation). Enabled by the supply of the necessary license key(s).
Installation	From ROSA CD

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

Ordering Information

Automation and Redundancy	Part Number
Digital Headend Backup (DHB)	
Digital Headend redundancy all-in package	V9529828
DHB Support for modulators (Quasar™, Quasar MKII™, Quantum™-Sirius™, Quantum RF™)	V9529673
DHB Support for receivers (Titan™, Titan MKII™, Mira™)	V9529669
DHB Support for scramblers (Krypton™)	V9529671
DHB Support for descramblers (Indus™)	V9529670
DHB Support for MPEG-2 Encoders (Continuum DVP™ D9020 and D9030, Pyxis MKII™, Polaris MKII™, PowerVu® Originator™ D9150 and others)	V9529693
DHB Support for re-multiplexers (Pegasus™, Pegasus XT™)	V9529672
DHB Support for transrators (Transis™)	V9529829
DHB Basic support for IP/ICMP devices	V9529821
DHB external trigger option (UDD)	V9529717
DHB iLynx™ IF Decoder backup task	V9529754
DHB iLynx TS Decoder backup task	V9529753
DHB Lynx™ TS Decoder backup task	V9529718



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