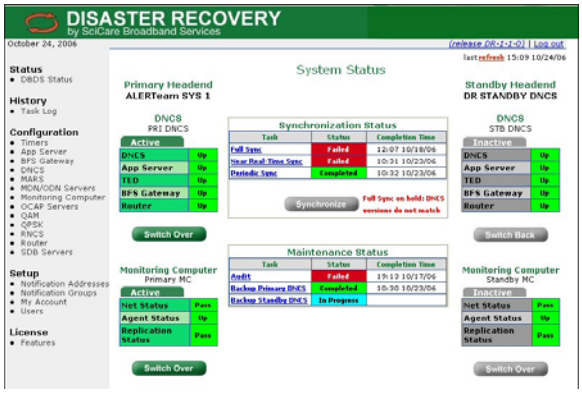
Scientific Atlanta
A CISCO COMPANY

Disaster Recovery

Description

The SciCare™ Broadband Services' Disaster Recovery solution offers a redundant network platform for the Scientific Atlanta DNCS that delivers digital video service in the event of a catastrophic incident involving the primary digital headend. This solution provides for the rapid recovery of digital broadcast video.



Features*

- Straightforward synchronization of set-top authorizations
- Auto-detection of Digital Broadband Delivery System (DBDS) maintenance
- Redundant monitoring computer support
- Reliable, scheduled automatic database backup
- Efficient synchronization of Entitlement Management Message (EMM) installs
- Rapid fault detection/notification
- Comprehensive failover management
- Easy to navigate graphical user interface
- Regional Network Control architecture support

The Disaster Recovery application helps to ensure reliable delivery of services to your subscribers in the event of most incidents involving the primary digital headend – either through natural disaster or human error. With today's complex DBDS systems, many factors can impact your ability to deliver that service:

- Software failure
- Hardware failure
- Power interruptions
- Malicious acts
- Facilities damage (water, fire, smoke)

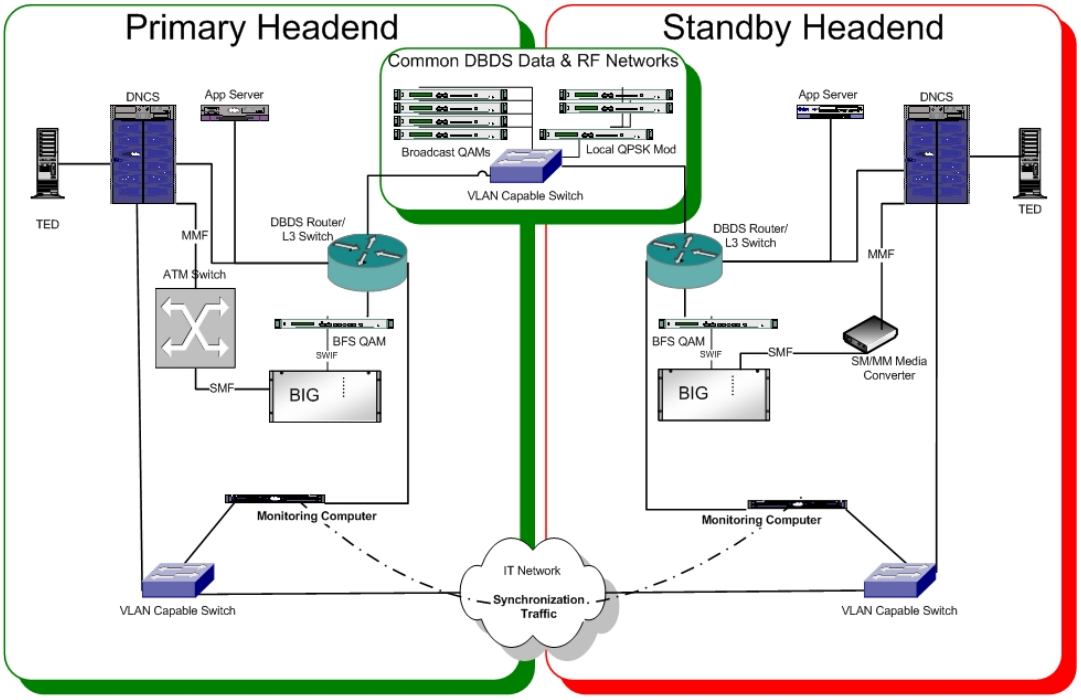
The Disaster Recovery solution helps minimize the impact of these events. Our solution provides a live, up-to-date backup Digital Network Control System (DNCS) for rapid failover in the event of a primary DNCS failure. In the proper setting, the system can protect against the risks listed above and many more.

Minimizing customer impact is everyone's main goal. By saving you from providing customer credits and maintaining your company's positive image against competition, this solution can pay for itself in a short time.

The Disaster Recovery solution uses redundant, external Monitoring Computers to collect the primary DNCS updates and synchronize critical data to the standby DNCS. This provides for the rapid recovery of digital broadcast video.

Both headends are online and functioning in a redundant headend topology, but only one headend site assumes the broadcast, or active, role. In this scenario, the equipment in the broadcasting site is active and performing duties accordingly. Systems at the other site are inactive and in a standby mode, ready to assume active status should a user-initiated switchover occur.

A key role of the Disaster Recovery solution is to perform health checks on systems at both headends, so that if a switchover must be performed, it can be done with minimal network impact, and reduce subscriber downtime. To accomplish this task, the Disaster Recovery solution synchronizes the necessary data between the active and inactive DNCS systems to ensure the appropriate data is on both systems in the event of a failover or switchover.



Redundant Headend Network

Each site is required to have a unique data QAM for in-band data. With the Scientific Atlanta solution, it is recommended that each headend is allocated its own set of unique QAMs, allowing digital broadcast video services to be restored to subscribers in a timely fashion. However, the additional QAMs are only required if the desire is to have a totally redundant Disaster Recovery system located at a separate facility from the primary headend. In configurations where QAMs are shared between the primary and standby sites, QAM emulation is used. QAM emulation is also used for VOD QAMs that are unreachable by the inactive DNCS.

Site- Specific Implementation**

Our Systems Engineers will conduct a site survey and work with you to design an integration plan for your site. Once the design is agreed upon, we will test the design in our lab as well as refine our acceptance test plans, documentation and training materials to reflect your site needs. Then, a specially trained Scientific Atlanta team, along with your staff, will install the system at your site. We will test the system together and train your personnel on operation and maintenance.

***Usually approximately 6 to 12 weeks from start to launch*

Ordering Information***

Contact your Sales Representative or call (800) 283-2636 for product availability in your area.

Part Number	Description	
4009366	Disaster Recovery Solution (with servers)	
4006635	Disaster Recovery Solution – Lab (with servers)	
752398	Annual Disaster Recovery Maintenance Agreement	
752610	Annual Disaster Recovery Maintenance Agreement (Lab)	

*** Additional hardware may be required to implement Disaster Recovery at certain sites, based on customer's Disaster Recovery objectives and design. Contact your sales representative to discuss requirements.

Scientific-Atlanta, Inc.
1-800-722-2009 or 770-236-6900
www.scientificatlanta.com

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