



## Protection of metadata

In addition to monitoring the devices in the signal path, metadata can be monitored in a channel as well. SCTE 35/104 and other metadata can be monitored at multiple points in a transmission chain, and if metadata is missing or corrupted LTN M&C can be triggered to switch to alternate equipment or paths.

AdCheck Multi-Point SCTE Monitoring								
Service	DNF   Trigger	SCTE-104	SCTE-35 Loopback	SCTE-35 Downlink	Mask	Level	Status	
NET 1	2017-10-30 12:49:48 Splice Start	X Y	SDI	MAIN BACKUP	MAIN BACKUP	<input checked="" type="checkbox"/>	Major	2017-10-30 12:49:52: Success

## Protection of equipment

Incorrectly handling a failover, particularly in the satellite market, can result in situations including amplifiers and transponders receiving signals with power levels above their operating range which can result in damage. LTN M&C can execute protection switching scripts which keep levels within safe ranges as well as monitoring equipment in non-failover states for out-of-range levels and initiate switching or shutdowns before expensive components are damaged. Relying on a single component hardware solution may protect a single device, but it does not provide a complete picture of the issue and the flexibility to determine the best solution. Manage switch timing to minimize power perturbation of adjacent transponders on the satellite.