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We Bring Security To Light™

## **Application Note: Interceptor version 1 to version 2.3 software improvements**

Network Integrity Systems is proud to announce the release of a major software upgrade to the Interceptor. This upgrade includes many security and operational enhancements to the original Interceptor, developed with input from current customers and potential users.

Interceptor Channel setup:

- Default Alarm Parameters are set so that installations may be protected by the Interceptor immediately upon its installation
- The Interceptor can monitor the protected cable and autoconfigure itself simultaneously (monitored fiber is protected during autoconfiguration, after autoconfiguration is complete, Interceptor will use the new values and continue to protect the fiber)
- Autoconfiguration time may be entered in minutes and hours
- Individual channels can be named with up to 32 characters, entered name will be printed on Reports and Logs

System Configuration and Reset:

- Interceptor can be reset to global manufacturing defaults from a Console connection. This feature is useful if all passwords are forgotten. This feature can be disabled if desired
- Idle Sessions can be set to time out, timeout length is adjustable
- Security Pre-Login Banner Message is available, up to up to 20 lines with 66 characters per line

Communications with Interceptor:

- Interceptor can be now be accessed via Telnet and SSH. Telnet and SSH can individually be enabled or disabled.
- IP filtering is available; filtered by single address, address range, and address and mask
- MAC filtering is available
- SNMPv1, SNMPv2c, SNMPv3 may be enabled

Login to Interceptor:

- Interceptor now has User and Password account control over Console and Ethernet. Each User can be given varying amounts of access to parameter viewing and changing (i.e. Administrator or Operator access, Monitoring or Network roles)
- Accounts can be automatically disabled after 3 failed logins

Passwords:

- Passwords can be simple or strong (>10 characters with numbers required)
- Password expiration can be enabled, expiration period is adjustable



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- Old passwords can be prohibited, number of remembered passwords can be set

Date and Time settings:

- Network Time Service synchronization is available; the internal clocks of individual or multiple Interceptors may be synchronized to an external timer server. Up to 6 servers may be specified.

Internal and External Logs:

- Monitoring Log is available, up to 100 events; all alarm responses are logged as well as user and password access, also any parameter changes are logged
- Network Log is available, up to 100 events, all users are logged as well as network address of unsuccessful access attempts, also any parameter changes are logged
- Logs are downloadable
- Logs cannot be cleared
- Monitoring and Network Log events can be sent to external syslog