

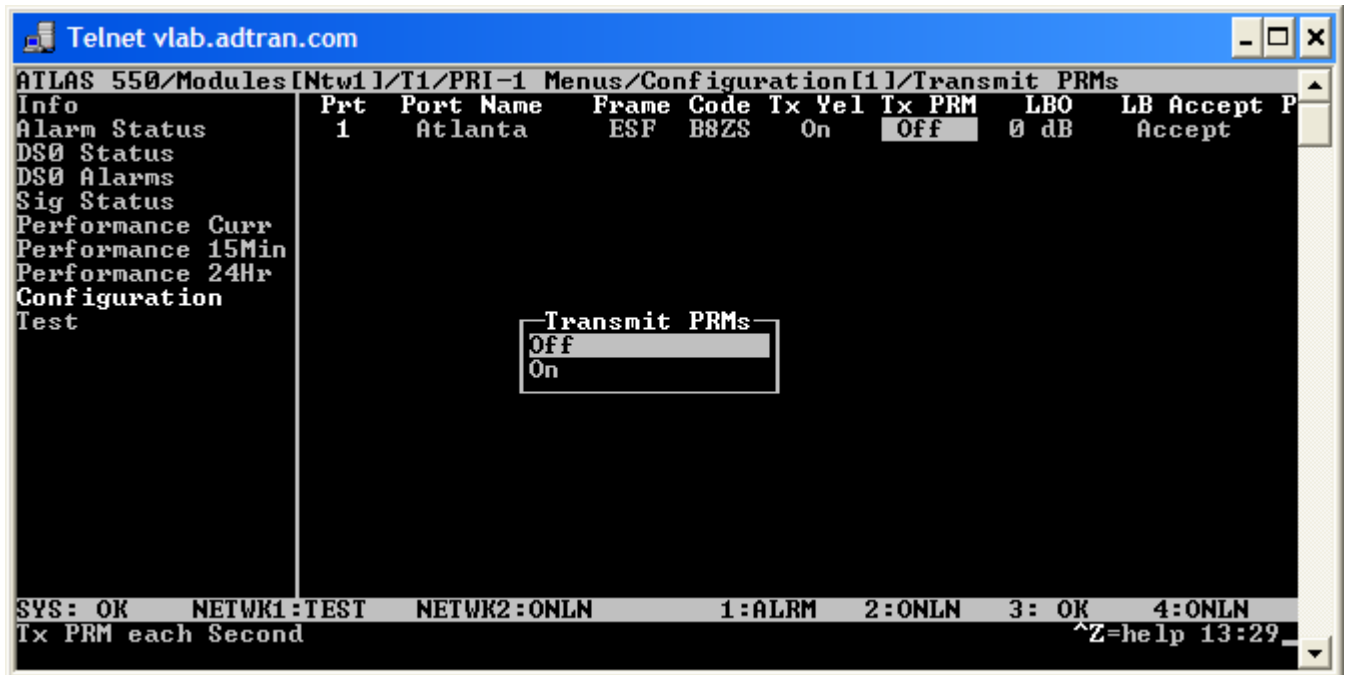
Format of Performance Report Messaging (PRM) in the Atlas

Performance Report Monitoring (PRM) is used to transmit information regarding the status of a T1 line. This information is used to allow service providers, in most instances, to troubleshoot any issues that may be occurring on the T1. This monitoring allows the service provider to not only troubleshoot an active T1 issue, but also to see if there is any signal degradation on the T1 and avoid issues before they turn into service effecting problems.

Some of the T1 information that can be obtained when using PRM includes: bipolar violations (BPV), excessive zeros (EXZ), cyclic redundancy check (CRC-6) errors, frame bit errors (FE), controlled slips (CS), loss of signal (LOS), out of frame (OOF), severely errored frame (SEF), alarm indication signal (AIS) and alarm indication signal-customer installation (AIS-CI).

By default the Atlas uses the AT&T TR54-16 format for sending this information over the Facility Data Link (FDL). It is not possible to disable the Atlas from sending the PRM with the AT&T TR54-16 method.

You can also enable the Atlas to use ANSI T1.403 by enabling Tx PRM under the configuration options for the T1/PRI modules as shown below in figure 1.



(Figure 1)

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