



Alarm Monitoring for X21 Releases 5.0 and 5.5

For customers that are running X21 software release 5.0 and higher, and who want to use the TM Alarm module for notification of alarms, there are changes to the way this is configured. With these versions, the PBX must be programmed in Load 117 to output a “Site” and “System” name with each alarm mnemonic. Otherwise the Alarm module will be unable to identify the origination of the alarm because as “unprogrammed”, the default name sent to the console is **Navigation Site Name/Navigation System Name**. When monitoring multiple PBXs, it is important to have a unique name for identification purposes for output to the Alarm console and for notification via email or cell-phone. This can be programmed per the Nortel Input/Output guide as follows in Load 117.

CHG NAV_SITE aa... a

Change the navigation site name (MyCity, for example), where:

- aa...a = a string with maximum length of 32 characters
- default = Navigation Site Name

Note: Use a single X to clear the field.

CHG NAV_SYSTEM aa... a

Change the navigation site name (Station Switch, for example) where:

- aa...a = a string with a maximum length of 32 characters
- default = Navigation Site Name

Note: Use a single X to clear the field.

Systems prior to 5.0 do not need this programming as they receive their identification from one of the Alarm script files (**devices.txt**) within the Alarm module. However, the **devices.txt** file must also contain the correct information for both pre and post 5.0 systems. Pre-5.0 systems are listed as **Meridian1** for systems with X11 releases 24 or 25, or **CALL_SERVER** for systems from 3.0 to 4.5. 5.0 And later systems are listed as **COMMON_MIB_DEVICE**. Below in **Figure 1** is an example of a **devices.txt** file where each of the monitored PBXs is listed by type with its IP Address followed by a unique name. The **devices.txt** file is manually modified and assigned from the **Control Files** tab as shown in **Figure 2** below.



Figure 1 – Devices.txt file

```
Meridian1 10.10.142.30 PBX_A  
Meridian1 10.10.143.30 PBX_B  
CALL_SERVER 10.10.144.30 PBX_C  
CALL_SERVER 10.10.145.30 PBX_D  
COMMON_MIB_DEVICE 10.10.147.30 PBX_E  
COMMON_MIB_DEVICE 10.10.148.30 PBX_F  
COMMON_MIB_DEVICE 10.10.149.30 PBX_G
```

A **scripts.txt** file must be configured to define which type of alarms (Critical, Major, Minor, and Informational) will be considered for notification as well as the notification method for each such as email, cell phone, log etc.

Since the introduction of TM 3.0, a default alarm script file (**sample_AN_script.txt**) has been included with the TM software. It is located in the **Common Data\Alarm Notification\Control Files** folder. A bit of tinkering is required to modify this file for a specific customer to allow for email or cell-phone notification of Critical and/or Major mnemonic alarms. Once the file is modified it should be re-named something descriptive, and then must be queued in the **Scripts** section as shown in **Figure 2**. It has been renamed to **Alarm_Script.txt** in the example.

Figure 2 – Assigning Script Files

