

Technical Service Bulletin

RE: 7000 Series, f/w version 1.2.3 and earlier revisions
9000 Series, f/w version 4.1.7 and earlier revisions

N-Ring health check packets generated by our 7000 (v1.2.3) and 9000 (v4.1.7) Series switches are untagged by default. While untagged might be adequate for small rings it is recommended that the default setting be changed to use tagged frames. This will be corrected in the next release of switch firmware.

Once the Manager has been configured for Tagged, the N-Ring frames will also be assigned a Quality of Service (QoS) value of 7 by design to provide increased priority of all N-Ring control packets. This will ensure the N-Ring packets are routed with higher priority by compliant managed switches. You may of course use any VLAN ID assignment between 2 and 4094 when configuring the N-Ring manager. However, the next firmware release for the 7000 and 9000 Series, the N-Tron default tag assignment will be **3333**.

To change the tag assignment via the web browser, you will need to first log into the Ring Manager. Then, browse to the N-Ring Configuration page as shown here.

After the Modify N-Ring Configuration page is loaded, you will need to select the following:

N-Ring Mode: **Manager**
Show Faults: *(this setting is optional)*
Port Set: **FX1/FX2** (for this example)
Agingtime: **20**
VLAN ID: **3333**
Tagging: **Tagged**

For best practice, we recommend upgrading all of your fully managed N-Tron N-Ring switches to the latest firmware release. If you have not already done so, you may verify this by comparing your current version and visiting our Support and service page on our web site at:

www.n-tron.com/html/support_serv.html

Note - The upgrade and N-Ring tagged VLAN configuration above will require the N-Ring Manager to be power cycled. Therefore, planning around normal process time at a facility should be considered before proceeding.

Regards,

Customer Service

