

## VME Intensity Monitor - Task #11022

Milestone # 10477 (New): ANUB Startup

Milestone # 11019 (Accepted): Cycle devices for anub

### Support for :BEAMnX devices

11/29/2015 05:38 PM - John Diamond

<b>Status:</b>	Closed	<b>Start date:</b>	11/29/2015
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	John Diamond	<b>% Done:</b>	100%
<b>Category:</b>		<b>Estimated time:</b>	4.00 hours
<b>Target version:</b>		<b>Spent time:</b>	5.00 hours
<b>Description</b>			
Where n = first hit of machine cycle events (e.g. 2 for MI and E for RR). This is a cycle device that returns sample data from the last machine cycle. For example, if the last MI machine cycle was a \$2A then this cycle returns the same data as I:BEAM2A.			

### History

#### #1 - 11/29/2015 10:58 PM - John Diamond

- % Done changed from 0 to 70

Implemented internal support for :BEAMnX devices via the CycleDeviceMachine class.  
Implemented CycleDeviceMgr::show() to help test this.  
Configured MI and RR cycle device machine groups on anub and tested.  
Need to implement ACNET interface for :BEAMnX devices and test that.

#### #2 - 11/30/2015 04:08 PM - John Diamond

- % Done changed from 70 to 90

Implemented CycleDeviceAccessor::machineRead() to provide ACNET with access to a machine's active cycle device.  
Created the following devices:

- I:DCCT20
- I:DCCT21
- I:DCCT23
- I:DCCT2A
- I:DCCT2X
  
- R:DCCTE3
- R:DCCTEX

Tested what I could without a beam signal...

#### #3 - 12/21/2015 11:31 AM - John Diamond

- Status changed from Assigned to Closed

- % Done changed from 90 to 100

Was using CycleDeviceMgr::getSample instead of ::getMachineSample()... Corrected that and also noticed that the scaling factor was wrong on most of the above devices. After fixing that I was able to verify that the machine array devices are working as expected.