VME Intensity Monitor - Meeting #10789

Milestone # 10928 (Closed): Support for new MI/RR/BNB digitizer firmware

Feature # 10751 (Closed): New MI-RR-BNB Toroid Driver

10751 [0] Plan implementation of getIntensity(), return int or float

11/05/2015 07:50 AM - Roger Tokarek

Status:	Closed	**Start date:**	11/05/2015
Priority:	High	**Due date:**	11/05/2015
Assignee:	Roger Tokarek	**% Done:**	100%
Category:		**Estimated time:**	1.00 hour
Target version:		**Spent time:**	1.00 hour

Description

The results of getIntensity() calls are used for many services, Acnet, BBM, MDAT? BEL?. At this time getIntensity() returns an **int** however a scaled intensity should return a **float**. We need to develop a plan for how to handle getIntensity() from this point forward.

History

#1 - 11/05/2015 07:50 AM - Roger Tokarek

- Tracker changed from Feature to Meeting

#2 - 11/05/2015 08:52 AM - Roger Tokarek

- Status changed from New to Closed

- % Done changed from 0 to 100

Meeting: J. Diamond & R. Tokarek.

MI/RR/BNB Toroids Gain Related Scale Correction

Expect the scale factor to be linear with change in gain, ie. factors of 2 change, therefor at this time expect to continue to return an int.

Generic Scale Factor Requests

In anticipation of real number intensity scaling corrections, we will build this facility into ChainFilter. The coefficients for the scaling will be kept in the Toroid (or appropriate device type) class.