

## Machine Protection - Feature #18175

### Add access to decimation register

11/09/2017 11:17 AM - Richard Neswold

<b>Status:</b>	Assigned	<b>Start date:</b>	11/09/2017
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Richard Neswold	<b>% Done:</b>	0%
<b>Category:</b>	PXIE Loss Monitor	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>			
<b>Description</b>			
<p>Now that PXIE is running with longer pulses, our waveforms are getting clipped. We need to allow access to the "decimation" register so the entire pulse can be captured by the waveform device.</p> <p>I'm proposing to create a device, P:LMTDEC, which is in units of milliseconds (like P:LMTGW) and represents the entire time-range captured by the waveform devices. An application can read P:LMTGW to get the latest pulse width and then set P:LMTDEC.</p>			