adinstbpm - Task #20522

Milestone # 20350 (New): IOTA BPM deployment

Milestone # 19607 (New): IOTA ACNET Interface

ACNET device for Arming IOTA BPMs

08/03/2018 09:23 AM - John Diamond

Status:	Assigned	**Start date:**	08/03/2018
Priority:	Normal	**Due date:**	
Assignee:	Elliott McCrory	**% Done:**	90%
Category:		**Estimated time:**	0.00 hour
Target version:		**Spent time:**	4.20 hours

Description

A ACNET device with a control property that operators can use to manually arm a measurement.

History

#1 - 08/31/2018 12:43 PM - Elliott McCrory

- % Done changed from 0 to 10

I have implemented these devices for implementing the arming, and all the other things

Description	Name	ACNET	Default	SSDN
The measure index to use for the arm	armIndex	N:IBPMMEAS	0	0AB8/0/0/0
The turn number to use	turn	N:IBPMTURN	0	0BB8/0/0/0
Number to average	nAvg	N:IBPMAVG	0	0CB8/0/0/0
Number of orbits	nOrbits	N:IBPMORBITS	100	0DB8/0/0/0
Number to skip	nSkip	N:IBPMSKIP	0	0EB8/0/0/0

#2 - 08/31/2018 01:53 PM - Elliott McCrory

- % Done changed from 10 to 60

Here are the digital control bits in N:IBPSTATD (taking some liberties to rename the old ones):

Bit Posn	Num	Short Name	Description
00000001	0	Start	Start local daemon process
00000002	1	Stop	Stop local daemon process
00000004	2	Restart	Restart local daemon process
00000008	3	EnableSM	Enable Front End State Machine
00000010	4	DisableSM	Disable Front End State machine
00000020	5	ARM	Send an ARM command
00000040	6	ReadRaw	Perform a RAW readout
00000080	7	ReadTBT	Perform a TBT readout
00000100	8	ReadCO	Perform a Closed Orbit readout
00000200	9	ReadFO	Perform a Flash Orbit readout
00000400	10	ReadFT	Perform a Flash Turn readout

#3 - 08/31/2018 01:55 PM - Elliott McCrory

- % Done changed from 60 to 90