

## Discussion of WIB Interfaces with DAQ Consortium

- Recent WIB call made clear we had details on the software interface to sort out
- This included some confusion on what will be needed for Cold Box and legacy WIB1/artDAQ
- And integration with new AppFwk
- And interface with Slow Controls “OPC-UA” system
- And interface BETWEEN Slow Controls and DAQ CCM

## What (We Think) We Learned

- We can mostly do what we want (!?)
- As long as we continue to follow interface docs and requirements
- OPC-UA interface might work for both SC and our own WIB interface
  - But maybe not what we want (see Ben's diagram)
  - There is 1 client/OPC-UA server on WIB
- Communication between SC and CCM not really defined
  - e.g., SC has just re-powered WIB, CCM needs to configure it
  - We need to develop a map for CCM actions that result from SC reports or actions
- Division between SC and CCM monitors/actions can be defined by us
  - “principle” is stuff you want outside of run time goes into SC
- We did not discuss DDSS or PTC/WIC much or at all

## Discussion on Slow Control/CCM Division

### Slow Controls

- Power on control for FEMBs and WIB
- Monitoring of powers on WIB/FEMB
- Temperature monitors on WIB
- Debug interface (??!!)

### Control, Configuration, and Monitoring (CCM)

- FEMB configuration
- WIB configuration
- Calibration initiation
- Data-derived metrics from our own “Data Integrity Monitor”
  - ADC baselines
  - RMSs
- Errors and actions
  - Re-synchronizations, channel/FEMB/ASIC/Link masking, etc.
  - Some information possibly already included in metadata

What should be fixed/added...?