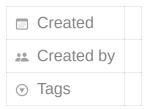
## **Operating Sequence**



## • Preparation:

- 1. Turn on all the host PC & Start the CCS
- 2. Turn on the DC power supply for MCUs & Turn on DC power supply for sensor board
- 3. Finish debug session settings in CCS & Load the firmware to the MCUs
- 4. Turn on all the load DC power supplies
- 5. Turn on all the current probes & Turn on the oscilloscope
- Testing / Demonstration
  - 1. Turn on the main power & main DC power supply
  - 2. Check the protection settings in the main DC power supply
  - 3. Connect monitor PC to the cDAQ and start the monitoring program
  - 4. Start the debug session for each motor drive unit
  - 5. Turn on the main DC power supply
  - 6. Start each motor drive units
  - 7. Add load to the operating point
  - 8. Wait to reach steady state
  - 9. Test the attack cases.
- Shutting Down Sequence
  - 1. Remove the mechanical loads
  - 2. Hard-stop the motor drive units

Operating Sequence 1

- 3. Turn off the main DC power supply
- 4. Reset the systems

Operating Sequence 2