Model: PACE-X, Cyclone Rigs Serial #: All	Mar. 13, 2015
Product Bulletin # PHDC-006	

Allen-Bradley MCC 2100 E3+ Module CT Settings

Discussion

Incorrect current transformer (CT) settings in E3+ modules can cause the system to operate incorrectly. These modules are installed in motor starter buckets size 4 and larger, which are part of the Allen-Bradley Centerline 2100 MCCs located in the Power House and Driller's Cabin.

E3+ modules are designed to take corrective actions to protect the equipment. Incorrect CT settings can prevent the modules from correcting problems, potentially causing equipment to overheat and/or false tripping of feeder breakers upstream of the problem, leading to additional equipment being compromised.

Recommendation

CT settings must be verified by RigLine 24/7™ Support for all size 4 (and larger) motor starter buckets on the Rockwell Centerline 2100 MCCs as per Table 1. Any incorrect settings must be corrected and recorded.

Table 1: Correct Current Transformer (CT) Settings

Starter Size	Setting
4	150:5
5	300:5
6	600:5

RigLine 24/7™ Support will update all testing documentation to include a verification of correct CT settings during MCC setup and verified during commissioning.

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Procedure

Warning!

This procedure must be performed by a qualified Canrig Technician.

1. Contact RigLine 24/7™ Support to coordinate remote access to the MCC E3+ modules.
2. RigLine personnel will access the E3+ modules remotely and record any changes in *15-042_CT_Bulletin_Tracking_Sheet.xlsx*, which can be found on Technical Documentation SharePoint page at:

   https://nabors365.sharepoint.com/teams/canrig-documentation/_layouts/15/WopiFrame.aspx?sourcedoc=%7B2392E646-6D21-4984-B3B4-C2DE4170EB33%7D&file=15-042_CT_Bulletin_Tracking_Sheet.xlsx&action=default
3. RigLine 24/7™ Support personnel will document changes required and sign for completion of the rig.
4. RigLine 24/7™ Support will provide completed tracking sheet to the ACE Engineering group upon completion.