USQ Not Required – ETF is a <Hazard Category 3 Radiological Facility

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<th>Rev-Mod</th>
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<tr>
<td>A-2</td>
<td>12/17/2018</td>
<td>Format update to comply with writer’s standard.</td>
<td>Updated the procedures record section.</td>
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<tr>
<td>A-1</td>
<td>07/20/2016</td>
<td>Correct Use Type</td>
<td>Change from continuous use to reference use per document owner’s direction.</td>
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<tr>
<td>A-0</td>
<td>10/15/2015</td>
<td>Converting to WRPS Format</td>
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1.0 PURPOSE AND SCOPE

1.1 Purpose

This procedure provides a safe, uniform method for calibration of digital indicators of various manufacturers.

1.2 Scope

This procedure applies to calibrating the digital indicators used at ETF from various manufacturers.

2.0 INFORMATION

None.

3.0 PRECAUTIONS AND LIMITATIONS

3.1 Radiation and Contamination Control

3.1.1 Work in radiological areas will be performed using a radiological work permit following review by Radiological Control per ALARA Work Planning procedure, TFC-ESHQ-RP_RWP-C-03.

3.2 Environmental Protection

3.2.1 In the event of a spill/leak/release, notify the SOM/FWS and respond per ETF-ERP-85B-003, Emergency Spill or Release at ETF.

4.0 PREREQUISITES

4.1 Special Tools, Equipment, and Supplies

The following supplies may be needed to perform this procedure:

- Current source, as required per data sheet
- Voltage source, as required per data sheet
- Other tools, equipment and supplies as identified by Shift Manager/OE/FWS/User.
5.0 PROCEDURE

5.1 Initial Setup and Calibration Check

5.1.1 DISCONNECT existing input leads AND
CONNECT appropriate input signal device to input of indicator.

5.1.2 VARY input per PM/S data sheet AND
RECORD as-found indications on data sheet.

5.1.3 IF as-found indications are within tolerance per PM/S data sheet and no
adjustments are needed, RECORD as-found indications in as-left column
AND

GO TO Section 5.3.

5.1.4 IF as-found values are not within specified tolerance per data sheet, GO TO
Section 5.2,

OR

IF as-found values are within specified tolerance, but deemed marginal, and
optimization is desired, GO TO Section 5.2,

OR

IF as-found values are within specified tolerance, RECORD as-found values
in as-left column of data sheet AND

GO TO Section 5.3.
5.2 Calibration

5.2.1 APPLY minimum input per PM/S data sheet AND ADJUST Zero.

5.2.2 APPLY maximum input per PM/S data sheet AND ADJUST Span.

5.2.3 REPEAT Steps 5.2.1 and 5.2.2 until both indications are within tolerance.

5.2.4 VARY input per PM/S data sheet AND RECORD as-left indications on data sheet.

5.3 Restoration

5.3.1 RE-LAND field wiring.

5.3.2 RESTORE to as-found conditions.

5.3.3 ENSURE alarms are re-set or cleared.

5.3.4 INFORM SOM test is complete and instrument/equipment/system may be returned to service.

5.4 Acceptance Criteria

Acceptance criteria has been met when steps in this procedure have been satisfactorily performed and results are recorded on the data sheet(s).

5.5 Review

5.5.1 INFORM FWS test is complete.

5.5.2 (FWS) REVIEW AND ENSURE the following:

- Completed data sheets meet the acceptance criteria
- Comments sections are filled out appropriately
- Work requests needed as a result of this procedure are identified and generated
- Work request number(s) of any work documents generated as a result of this procedure, are recorded in the Comments/Remarks section of the data sheet.
5.6 Records

This procedure is performed within a work package, as such, the procedure in its entirety will be maintained as a record per the Work Control process.

The record custodian identified in the Company Level Records Inventory and Disposition Schedule (RIDS) is responsible for record retention in accordance with TFC-BSM-IRM_DC-C-02.