



SURVEY REPORT

Survey Date: September 14, 2016

Facility Surveyed: ELEMENT MATERIALS TECHNOLOGY (NEW BERLIN, WI)

Products/Scope: Composite Material Testing

QA Program: ISO/IEC 17025:2005, A2LA

Quality Assurance Manual: Quality Manual Rev 16, 6/23/2016

Survey Team Leader: David Brown, Quality Assurance Manager, ABB MV Service

Survey Contact: Denise Besting, Quality Manager

1.0 Introduction

A review of order entry, material identification & control, quality organization, control of M&TE, training, and test & inspection practices were performed at Element Materials Technology in New Berlin, WI to determine if they should be listed on the ABB Nuclear Approved Vendor List (NAVL). This facility within the Element family has the capability to provide testing services to ABB for a variety of types of materials.

2.0 Survey Scope and Summary

The Element Quality Program is implemented through a Quality Manual, with System Procedures (SP's) and Standard Operating Procedures (SOP's), and is certified to ISO/IEC 17025:2005. Element is accredited through A2LA for Chemical Testing (Cert 0098.01) and Mechanical Testing (Cert 0098.02) with both certificates valid to 8/31/2018.

The scope of this survey will be used to support use of Element for testing services on parts that are used in nuclear safety related applications.

The scope of the survey is as defined by ABB Commercial Grade Survey Checklist F-QUAL-04-01, Revision 4. Specific critical characteristics to be verified were:

- | | |
|------------------------|---|
| 1) Part Configuration | - Order Entry – clear identification and flow-through of customer requirements
- Training / Qualification
- Inspection & Test – positive verification of performance, using calibrated equip. |
| 2) Functionality | - N/A |
| 3) Material Type | - Material Controls – identification and traceability |
| 4) Fixed Static Design | - N/A |

The survey resulted in no audit findings and 1 recommendation.

OFI #1: One instance noted where all requested testing was not performed because ABB did not provide enough material. Recommend contacting the customer in this situation so that all testing may be completed.



3.0 Survey Approach

This Survey was performed to the ABB Florence Commercial Grade Checklist. David Brown conducted as Lead Auditor. The survey was performance based to the greatest extent possible. ABB Medium Voltage Service purchase orders and work in progress was reviewed, to the extent possible, during the survey.

4.0 Investigation of Previous Survey Findings

Element was last surveyed in 2012. A decision was made not to perform a maintenance survey in 2015 due to a lack of testing. No findings were issued during the 2012 survey and Element has maintained its ISO/IEC 17025:2005 certification throughout.

Personnel Contacted:

Brian Quinn	General Manager	O, C
Denise Besting	Quality Assurance Manager	O, C, A
Sean Dickinson	Senior Technician	O, C, A
Michael Miljan	Project Manager	A
Kelly Brown	Senior Metallurgical Technician	A
Mike Anderson	Senior Metallurgical Technician	A
Greg Sylvester	Department Manager	A
Tom Cleveland	Lab Technician	A
Garett Frederick	Senior Technician	A

O – Opening meeting attendee, C – Closing meeting attendee, A - Auditee

5.0 Summary

Strengths noted during this survey included the high level of knowledge and experience of Element's technical staff. The detailed Work Orders, which identify the order of steps required to complete testing, is noteworthy.

6.0 Effectiveness

Based upon review of the processes in place, Element adequately controls the activities needed to perform all requested testing. Element Materials Technology (New Berlin, WI) will be listed on the ABB NAVL with no restrictions.

Prepared by: 
David Brown
Audit Team Leader

Date: 9/17/2016

Copy to: Jeff Selfe, Supply Chain Manager, MVS