

# CCP-PO-015

Revision 1

## CCP/LANL-CB Interface Document

for activities performed at the  
Advanced Manufacturing and Innovative  
Technologies Training Center

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## 1.0 PURPOSE

This document describes the interfaces between Washington TRU Solutions (WTS) and LANL-CB for CCP activities conducted at the AMITC. AMITC activities are limited to Mobile Loading equipment storage, staging, equipment preparation for transport, and some training of Mobile Loading Team members as required by the Central Characterization Project (CCP) training coordinator. CCP Mobile Loading team members, select CCP-WTS maintenance employees (for potential on site equipment preventive maintenance (PM) and recalibration activity), and contracted support service providers (such as crane and forklift operators) will perform work at the workspace leased to LANL-CB at the AMITC. The purpose of this document is to clarify the roles and responsibilities of LANL-CB and WTS regarding CCP work conducted at the workspace leased to LANL-CB at the AMITC.

### 1.1 Background

CCP provides waste characterization, mobile loading, and transportation certification services to TRU waste generator sites. The mobile loading and transportation certification services are performed by LANL-CB for CCP at the TRU Waste generator facilities. The AMITC workspace is leased by LANL-CB for the sole purpose of providing a location for storage/staging of mobile loading equipment, and limited mobile loading team training activities. This AMITC workspace allows LANL-CB to provide the mobile loading and transportation certification services required by the CCP in an effective and efficient manner.

### 1.2 Scope

This document addresses LANL-CB and WTS responsibilities associated with CCP activities conducted at the AMITC. Relevant activities include the following:

- Transportation and Mobile Loading equipment staging/storage
- Mobile Loading Equipment Receipt and Unloading for staging/storage
- Mobile Loading Equipment Preparation/Packaging for dispatch to generator facilities for CCP support
- CCP Mobile Loading and Transportation Certification Personnel Training and Qualification

### 1.3 Site Information

The AMITC is located in the Carlsbad Industrial Park, Carlsbad, New Mexico. A portion of the facility is leased to LANL-CB. The workspace is limited to a high bay work area with access for large equipment ingress and egress. LANL-CB has access to a large outdoor area where Mobile Loading Equipment is staged for transport to remote sites for mobile loading and transportation certification work as directed by CCP. This outdoor area is also infrequently used for mobile loading team personnel training exercises as needed to maintain the CCP required training and qualifications.

## 2.0 REQUIREMENTS

This document implements the applicable requirements of:

- CCP-PO-003, *CCP TRUPACT-II Authorized Methods for Payload Control (TRAMPAC)*
- CCP-QP-005, *CCP TRU Nonconforming Item Reporting and Control*
- CCP-QP-015, *CCP Procurement*

## 3.0 RESPONSIBILITIES

### 3.1 LANL-CB

- 3.1.1 Maintain the lease of the AMITC (or other equivalent) workspace as needed to provide effective and efficient Mobile Loading and Transportation Certification support services as required by CCP.
- 3.1.2 Maintain the work area in the AMITC in compliance with the requirements of the LANL-CB TRUPACT-II Mobile Loading Operations Hazard Control Plan.
- 3.1.3 Post the current copy of the LANL-CB TRUPACT-II Mobile Loading Operations Hazard Control Plan in a readily accessible location in the AMITC workspace.
- 3.1.4 Ensure that the posted copy of the LANL-CB TRUPACT-II Mobile Loading Operations Hazard Control Plan is the most recent version.
- 3.1.5 Ensure that at least as frequently as once per year the LANL-CB TRUPACT-II Mobile Loading Operations Hazard Control Plan is reviewed and revised, as appropriate.

- 3.1.6 Ensure that all CCP Mobile Loading Team members working at the AMITC read and understand the requirements of the LANL-CB AMITC Hazard Control Plan.
- 3.1.7 Review the LANL-CB TRUPACT-II Mobile Loading Operations Hazard Control Plan at least once annually, and revise it as necessary.
- 3.1.8 Procure hand tools, incidental equipment, and supplies needed to provide effective and efficient Mobile Loading and Transportation Certification support services as required by CCP.
- 3.1.9 As necessary and appropriate, ensure that LANL LIR 402-130-01.2 Abnormal Events is implemented.
- 3.1.10 Act as Subject Matter Expert (SME) and support WTS in maintenance of the necessary CCP Mobile Loading and Transportation Certification procedures.
- 3.1.11 Oversee initial and pre-job inspections of mobile lifting equipment, and document on the applicable record forms (checklist).
- 3.1.12 Provide an on-site Facility Coordinator. The LANL-CB AMITC Facility Coordinator (FC), or the designee, shall be present during all CCP work activities conducted at the AMITC. The FC, or the designee shall:
  - Lead all pre-evolution briefings and ensure that necessary documentation generated is forwarded to WTS for CCP records disposition. The FC, or the designee, will ensure that pre-evolution briefings cover all aspects and possible hazards associated with the task, and that all work is performed in a safe and compliant manner.
  - Ensure the completion of equipment inspections (initial and pre-job) and conduct operator qualification verification as directed by the WTS for CCP, and ensure that necessary documentation generated is forwarded to the WTS for CCP records disposition.
  - Ensure that hazard analyses that bound the AMITC operating envelope are conducted consistent with the LANL-CB TRUPACT-II Mobile Loading Operations Hazard Control Plan.
  - Ensure that all involved personnel with an active role in lifting/hoisting activities participate in applicable pre-evolution briefings.

- Ensure that any contracted lifting/hoisting and rigging equipment is inspected, as appropriate, prior to placement into service at the AMITC.
- Through implementation of LANL Laboratory Occurrence Reporting Requirements/Guidance (OST 402-130-01.2), which is compliant with DOE Order 232.1A, Occurrence Reporting and Processing of Operations, ensure that any off-normal events that occur at the AMITC are appropriately classified. The FC, or the designee, shall seek the assistance of trained and qualified Facility Representatives from CBFO and/or WTS in making these classification decisions.
- When the results of any event classification merit such action, implement the formal event reporting process per the requirements of LANL LIR 402-130-01.2, Abnormal Events.
- Maintain the necessary training to oversee operations of lifting/hoisting and rigging equipment occurring at the AMITC. The training requirements shall be met by having current Forklift and Crane Operator training which meets the applicable requirements of DOE-STD 1090-2001, Hoisting and Rigging.
- Maintain a roster that includes the names of all individuals working on site at any given time. In the event of an off normal event that requires evacuation, the FC, or the designee, will use the roster to ensure personnel accountability at the muster area(s).

## 3.2 WTS

- 3.2.1 Maintain the infrastructure necessary for Mobile Loading and Transportation Certification personnel training and qualification, conduct of operations, nonconformance control, document control, M&TE and equipment calibration services, records management, operating procedure maintenance, and procurement of Quality Level 1 and Quality Level 2 equipment, parts, supplies, and services.
- 3.2.2 Maintain the necessary Mobile Loading and Transportation Certification operating procedures to meet the requirements of the CBFO QAPD, the WIPP WAP, the WIPP WAC, the TRUPACT-II SARP, and the TRAMPAC.
- 3.2.3 Communicate overall CCP work priorities to the FC, or the designee.

- 3.2.4 Provide for the procurement of any necessary mobile lifting and/or hoisting equipment, and any contract operators required for AMITC and/or TRU Waste generator site work activities. Any such equipment and/or operator needs will be determined by WTS for CCP, in consultation with the FC, or the designee.

#### 4.0 INTERFACE

##### 4.1 Work Standards

- 4.1.1 Work at the AMITC will fall under one of the following categories, and will be conducted as described below:

- [A] Direct CCP support - this work is governed by CCP procedures, and includes training activities such as payload assembly and TRUPACT-II loading. As such, the following work controls invoked by CCP procedures are applicable:
- Operating practices and procedural controls shall be in accordance with CCP-PO-005, *CCP Conduct of Operations*
  - Training of personnel shall be in accordance with CCP-QP-002, *CCP Training and Qualification Plan*
  - Deficiency reporting shall be in accordance with CCP-QP-005, *CCP TRU Nonconforming Item Reporting and Control*
  - Records shall be maintained in accordance with CCP-QP-008, *CCP Records Management*
  - Procedures shall be prepared and controlled per CCP-QP-010, *CCP Document Preparation, Approval, and Control*
  - Components and services shall be procured in accordance with CCP-QP-015, *CCP Procurement*
  - Equipment calibrations shall be conducted in accordance with CCP-QP-016, *CCP Control of Measuring, Testing, and Data Collection Equipment*

[B] Indirect CCP support - this work is performed to support routine facility operations, such as off-loading equipment deliveries, ordering facility supplies, and performing landlord functions. The FC will direct these work evolutions, and impose the appropriate level of control listed below based on his evaluation of the specific task:

- Determination of the need for a written work package will be based on the complexity and risk of the specific task
- Determination of the extent of training and qualification required for personnel
- Determination of required equipment inspections

4.1.2 For all work performed at the AMITC, the following controls shall be applied:

[A] The FC shall direct and control all work

[B] All personnel performing work shall read and understand the LANL-CB TRUPACT-II Mobile Loading Operations Hazard Control Plan

[C] The FC will conduct a pre-job briefing for each task which will address the following:

Work controls

- Industrial safety & hygiene issues
- Lifting and handling evolutions
- Special precautions and limitations
- Environmental impacts
- Emergency response actions
- Material controls

[D] Emergency response to any unplanned event shall be as described in section 4.2 of the LANL-CB TRUPACT-II Mobile Loading Operations Hazard Control Plan.

[E] Environmental controls shall be imposed as described in section 5.2 of the LANL-CB TRUPACT-II Mobile Loading Operations Hazard Control Plan.

[F] Lifting and handling activities shall be controlled in accordance with section 3.2 of this document, and section 9.0 of the LANL-CB TRUPACT-II Mobile Loading Operations Hazard Control Plan.

- [G] Emergency Response shall be per local authorities (911). When an off-normal event is classified as an emergency, notifications will be made to both LANL-CB management and to the WIPP CMR.

## 4.2 Lifting and Handling

- 4.2.1 Lifting and handling operations at the AMITC will be conducted in one of two ways:

- [A] *Procured equipment and/or services* - For this case, the WTS procurement system shall be used. In this fashion, the applicable operator training, and /or hoisting, and/or lifting equipment requirements of the DOE Hoisting and Rigging Manual will be passed on to the vendor. As a minimum, specific requirements will be established for equipment inspections and required personnel training and qualifications in the contracting documents. WTS will ensure the specific requirements for procurements are forwarded to the FC for implementation.
- [B] *Use of EPD and/or WIPP services* - For this case, existing equipment maintenance and personnel training programs established at both WIPP and EPD are considered adequate to ensure safe and compliant operations. When EPD and/or WIPP services are to be used, the FC shall consult with WTS prior to requesting the equipment and/or services of EPD, and/or WIPP. Either the FC or WTS will contact EPD and/or WIPP to request the desired equipment and/or services at the AMITC. While working at the AMITC, EPD personnel will take direction from the FC and are subject to the same requirements as any other personnel working at the AMITC.

- 4.2.2 The FC will ensure that all equipment assisted lifting and hoisting operations include the use of an independent individual (spotter or rigger) to assist the equipment operator in assuring a safe and compliant lift.

## 5.0 RECORDS

- 5.1 Records which may be generated by the activities at the Advanced Manufacturing and Innovative Technologies Training Center and by CCP documents which are referenced in this plan will be maintained in accordance with the requirements specified in CCP-QP-008, *CCP Records Management*.