

Subject: [HDList] COMMENT ON: TOF Remove, Refurbish, Replace

From: whitey@jlab.org

Date: 10/8/19, 2:15 PM

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TOF Remove, Refurbish, Replace

comments/History:

10/08/19 14:08 COMMENT ON by T_Whitlatch:

TOF assembly is just about complete. Beni checked the upstream upper half paddle (that was thought to be "broken") and deemed it good to go. The support frames are being installed and the plan is to install Thursday morning. It will be ready for survey Friday and will be touched up with appropriate paint thereafter.

09/23/19 10:05 COMMENT ON by T_Whitlatch:

Added Cris Gould to alignment email recipients. Scheduled for fiducialization later this week and survey next week or the week after.

09/23/19 10:00 REVISED by T_Whitlatch:

[see more comments...](#)


Status

Application: **HDList**
Task ID: **1583**
Task Status: **OK**
Time
Estimate: **7 Weeks**
Required
PSS: **RA**
Priority: **First Opportunity**
Scheduled: **07/23/19**
Created: **04/23/19 11:55**
Last Modified: **10/08/19 14:08**
Created By: **J_Foyles (x.5880)**
Owned By: **J_Foyles (x.5880)**
Created For:
Responsible: **Josh Foyles, Mark Stevens**
Project:
Charge Code: **DOPS PHALLD**
Risk
Classification
(pre-mitigation): **2**
Risk
Classification
(post-mitigation): **1**

PPE Required

Fall Protection equipment
(body harness and lanyard)
Hard Hat
Safety Glasses w/side shields
Safety Shoes
Proper Work Clothes

Hazard Identification Worksheet

 Task Hazard Analysis has been reviewed by EHS&Q group.

General EHS&Q Hazards

- YES** Do you require familiarization with the work area and its current state? Do you need to perform a pre-job walkdown?
A pre-job walkdown/walkthru meeting will be held before the TOF is removed from the FCAL Platform. An additional meeting will be held before any dis-assembly is done on the TOF detector.
- NO** Are there [MSDS](#) requirements for the materials being used with which you are unfamiliar?
- NO** Will you be working with or mixing [chemicals](#)
- NO** Will you create [silica](#) or [nuisance](#) dust?
- NO** Will you be doing [hot work](#) (i.e.: welding, brazing, producing sparks by grinding or cutting ? or using a flame open flame bigger than a bic lighter?)
- NO** Will you be generating, or in an area of, [excessive noise](#)?
- NO** Will you be in or around [ionizing radiation](#), or non-ionizing radiant energy (i.e.: [magnetic fields](#), [radio frequency](#), [microwave radiation](#))?
- NO** Is the task performed in a [confined space](#) (i.e.: limited entry, egress, or poor ventilation exists.)?
- NO** Does the task require compressed, liquefied, or solidified [gases](#)?
- NO** Does the task require work with materials subject to temperature extremes (i.e.: [cryogenics](#))?
- NO** Does the task require work in areas subject to temperature extremes (i.e.: [heat stress](#) or [cold stress](#))?
- YES** Will you be using [material handling equipment](#) (fork trucks/attachments, cranes or hoists, tunnel vehicles, aerial work platforms)?
This task will involve the use of the Hall's 20ton Crane, JLG, Scissor lift, and the corresponding rigging associated with the pic/set of the TOF Detector.
- YES** Does the task involve the use of [portable hand tools](#)?
The assembly/dis-assembly will involve the use of wrenches, sockets, screwdrivers.
- NO** Does the work involve [electrical hazards](#) (i.e.: electronic equipment; construction/modification of electronic equipment; or [energized AC electrical equipment](#))?
- YES** Will you need to perform [Lock, Tag, Try](#) (i.e.: are there hazardous/stored energy sources such as electrical, mechanical, hydraulic, pneumatic, chemical, thermal or other forms of harmful energy that need to be controlled)?
The lift is outside the Magnatic Field of the Solenoid Magnet, however the Solenoid Power Supply will be Locked Out.
- YES** Does the task involve working [four feet or more above floor](#)

Systems

OTHER
ALIGNMENT
ES&H
RADCON

Areas

ENCLOSURE:

- Hall D

BUILDINGS:

COMPONENTS:

- TOF

Attachments

[Approved TOF Lift Plan.pdf](#)
[TOF1.jpg](#)
[TOF_corner.jpg](#)
[TOF3.jpg](#)

[Add an attachment...](#)

Description of Task

- 1-The TOF Detector will be removed from the FCAL Platform and Craned over to an assembly/dis-assembly area, (located along the South Wall of Hall D). (See attached Lift Plan).
- 2- After the RADCON survey the Detector will be dis-assembled and parts stored in the Hall.
- 3- The TOF will be Modified/Assembled per direction from Paul Eugenio.
- 4- The Assembled and Improved TOF will be installed back onto the FCAL Platform.

Impact Statement

The TOF needs to be modified/ upgraded for the next level of experiments.

Hardware or Software Changes Required

None

Special Hazards/Safety Considerations

None

Special Checkout Instructions

Check that all Signal and High Voltage cables are re-connected prior to Run

Backout Procedure

Should the task yield "undesirable" results, re-configure TOF to yield "desirable" results.