

# **VDAS to HDAS Upgrade Summary checklist For Reference Only**

This document is only intended as a reference guide for the main procedure.

## **Detector Upgrade Process overview:**

- Run Dastools auto test for a system baseline
- Make sure a current State file exists or create one.
- Power off System
- Remove gantry covers
- Remove tube
- Remove fixed tube weight from the rotating frame behind tube
- Mechanically reinstall tube
- Power on system and perform test stationary scan to insure functionality
- Power off system
- Remove DIFB covers
- Remove DIFB's and DCB
- Remove old card guides
- Install ESD clips and then install new card guides
- Remove 48V power supply (will be replaced and helps with space during detector change)
- Remove air plenum
- Remove Sherlock detector
- Replace backplanes
- Install backplane interconnect cable
- Install HALO detector
- Install 2006 style plenum (new or existing if system already had a new style plenum)
- Install new shielded 48V PS
- Install and Route all harnessing.
- Install new HALO DIFB's and original DCB and chassis covers
- Power gantry on and visually inspect cabling and hardware
- Power off gantry, power back on after LFC is started
- Perform LFC with software supporting HDAS, make sure HDAS is the DAStype.
- Perform Flash download for DAS
- Perform tube alignments
- Gantry balance
- Run DAStools maratio to generate the new bad channel map
- Run DAStools Auto test to check out new hardware.
- Install all gantry covers
- Perform cals
- Perform IQ checks
- Update detector master config file
- Perform save state
- Pack up the old hardware and send it back.