

THIS FORM CAN BE USED AS A TOOL FOR LCLS PROJECT PERSONNEL TO CONTROL THE SEQUENCE OF QUALITY ASSURANCE ACTIVITIES TO BE PERFORMED ON LCLS COMPONENTS OR PROCESSES, OR ATTACHED TO LCLS HARDWARE AS A QUALITY ASSURANCE TRAVELER.

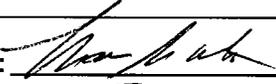
System or Component Name	Part or Drawing Number	Rev.	Serial No.	Supplier Name	ANL Purchase Order No.
LCLS Undulator Assemblies	L143-112000			Metalex Manufacturing Inc., Hi-Tech Manufacturing Inc.	5A-10395, 5A-13624

Special Instructions:

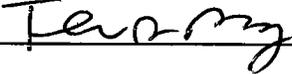
Sequences 1-19 are to be completed prior to the shipment of the Undulator Assembly to SLAC. Step 20 is to be completed after the Undulator Assembly has been delivered to SLAC.

Quality Assurance Tasks (attach continuation sheets if additional steps are required)

Seq No.	Task Description	Completed by/Date*	Requirement Met	Requirement Not Met*
	*Inform the LCLS Technical Lead if a task cannot be completed or a requirement met			
1	Create a new folder named "Und Assy #" in the \LCLSQA\QA Records\Und Assy folder on the LCLS Share Drive		<input type="checkbox"/>	<input type="checkbox"/>
2	Copy the entire QA records folder for the last undulator assembly to the new assembly folder on the LCLS Share Drive as a common starting point.		<input type="checkbox"/>	<input type="checkbox"/>
3	Check that ANL's Hall Probe measurements for applicable assembly are present in the supplier's QA records or in the applicable assembly folder on the LCLS Share Drive.		<input type="checkbox"/>	<input type="checkbox"/>
4	Determine the lot number for the magnets inserted into the assembly by looking at the magnet sort list included the assembly supplier's QA records.		<input type="checkbox"/>	<input type="checkbox"/>
5	Verify that the magnets have been correctly inserted into the assembly by comparing the assembly supplier's photographs of the magnet sub-assemblies to the magnet sort list.		<input type="checkbox"/>	<input type="checkbox"/>
6	Copy the electronic versions of the assembly supplier's photographs of the magnet sub-assemblies to the applicable assembly folder on the LCLS Share Drive.		<input type="checkbox"/>	<input type="checkbox"/>
7	Copy the magnet manufacturer's certificates for the applicable magnet lot to the applicable assembly folder on the LCLS Share Drive		<input type="checkbox"/>	<input type="checkbox"/>
8	Copy the ANL magnet sort list to the applicable assembly folder on the LCLS Share Drive.		<input type="checkbox"/>	<input type="checkbox"/>
9	Copy the QA records for ANL's Magnetic Measurement of the (5) QA magnet QA samples to the applicable assembly folder on the LCLS Share Drive.		<input type="checkbox"/>	<input type="checkbox"/>
10	Determine the applicable serial numbers for the (5) magnet QA samples by calculating the serial numbers based upon a lot size of 480 magnets per undulator.		<input type="checkbox"/>	<input type="checkbox"/>

LCLS Task Leader Pre-approval: 

Date: 30 Nov 06

LCLS QA Coordinator Pre-approval: 

Date: 11/30/06

Optional Comments from the Task Leader or QA Coordinator:

Distribute completed traveler to: Hardcopy Undulator Assembly record folder

