

ATTACH THIS FORM TO LCLS SYSTEMS AND COMPONENTS TO CONTROL THE SEQUENCE OF QUALITY ASSURANCE TASKS. RETURN THE COMPLETED TRAVELER TO THE LCLS QUALITY ASSURANCE COORDINATOR UPON COMPLETION.

System or Component Name: <i>LCLS Undulator Main Assembly</i>			
Part/Drawing Number: <i>L143-112000</i>	Revision: 	Serial Number: 	
Manufacturer: 		Purchase Order Number: 	

Special Instructions:

This form is to be completed prior to authorizing the shipment of production unit LCLS Undulator Main Assemblies to SLAC

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

Seq No.	Task Description <small>*Inform the LCLS Technical Lead if a task cannot be completed or a requirement met</small>	Completed by/Date*	Requirement Met	Requirement Not Met*
1	<i>Copy the list of applicable drawings onto the LCLS Undulator Main Assembly Quality Assurance Records CD</i>		<input type="checkbox"/>	<input type="checkbox"/>
2	<i>Copy the pdf versions of applicable drawings onto the LCLS Undulator Main Assembly Quality Assurance Records CD</i>		<input type="checkbox"/>	<input type="checkbox"/>
3	<i>Copy the ANL Nonconformance Summary onto the LCLS Undulator Main Assembly Quality Assurance Records CD.</i>		<input type="checkbox"/>	<input type="checkbox"/>
4	<i>Copy ANL Purchase Order 5A-10359 for the Undulator Main Assembly onto the Undulator Main Assembly</i>		<input type="checkbox"/>	<input type="checkbox"/>
5	<i>Copy the applicable revision of LCLS Statement of Work L-143-00066 (SLAC# SP-381-001-03) for the Main Assembly onto the Undulator Main Assembly Quality Assurance Records CD</i>		<input type="checkbox"/>	<input type="checkbox"/>
6	<i>Copy the completed ANL-266 Acceptance Criteria Listing form E5-164018 for the Main Assembly onto the LCLS Undulator Main Assembly Quality Assurance Records CD</i>		<input type="checkbox"/>	<input type="checkbox"/>
7	<i>Copy the Assembly Procedure L143-00076 onto the LCLS Undulator Main Assembly Quality Assurance Records CD</i>		<input type="checkbox"/>	<input type="checkbox"/>
8	<i>Copy the contractor's test reports for the Main Assembly onto the LCLS Undulator Main Assembly Quality Assurance Records CD. Verify test reports meet requirements of sections 4.1.2 of the Statement of Work</i>		<input type="checkbox"/>	<input type="checkbox"/>
9	<i>If applicable, place copies of contractor's Red Flag Reports, ANL-311 Supplier Disposition Reports, LCLS Reports of Nonconformance for the Main Assembly onto the LCLS Undulator Main Assembly Quality Assurance Records CD</i>		<input type="checkbox"/>	<input type="checkbox"/>
10	<i>Copy ANL Purchase Order 5A-06990 for the Titanium Strongback onto the LCLS Undulator Main Assembly Quality Assurance Records CD</i>		<input type="checkbox"/>	<input type="checkbox"/>

LCLS Task Leader Pre-Approval: _____ **Date:** _____

LCLS QA Coordinator Pre-Approval: _____ **Date:** _____

Optional Approver Comments:

Distribute completed traveler to: Responsible Engineer, Task Leader, LCLS Quality Assurance Coordinator, Chief Engineer

Other: R. Pope

Quality Assurance Tasks continued

Seq No.	Task Description	Completed by/Date*	Requirement Met	Requirement Not Met*
11	Copy the applicable revision of LCLS Statement of Work L-134-00030 (SLAC # SP-381-001-00) for the Titanium Strongback onto the LCLS Undulator Main Assembly Quality Assurance Records CD		<input type="checkbox"/>	<input type="checkbox"/>
12	Copy the completed ANL-266 Acceptance Criteria Listing form E5-020020 for the Titanium Strongback onto the LCLS Undulator Main Assembly Quality Assurance Records CD		<input type="checkbox"/>	<input type="checkbox"/>
13	Copy the material of certificate for the Titanium Strongback onto the LCLS Undulator Main Assembly Quality Assurance Records CD. Verify material meets requirements of section 4.1.1 of the Statement of Work.		<input type="checkbox"/>	<input type="checkbox"/>
14	Copy the contractor's annealing certification and annealing data for the Titanium Strongback onto the LCLS Undulator Main Assembly Quality Assurance Records CD.		<input type="checkbox"/>	<input type="checkbox"/>
15	Copy the contractor's vibratory stress relief data for the Titanium Strongback onto the LCLS Undulator Main Assembly Quality Assurance Records CD.		<input type="checkbox"/>	<input type="checkbox"/>
16	Copy the contractor's test reports for the Titanium Strongback onto the LCLS Undulator Main Assembly Quality Assurance Records CD. Verify test reports meet requirements of sections 4.5.1, 4.5.2 of the Statement of Work.		<input type="checkbox"/>	<input type="checkbox"/>
17	If applicable, copy the contractor's Red Flag Reports, ANL-311 Supplier Disposition Reports, LCLS Reports of Nonconformance for the Titanium Strongback onto the LCLS Undulator Main Assembly Quality Assurance Records CD		<input type="checkbox"/>	<input type="checkbox"/>
18	Copy the ANL Purchase Order 5A-05150 for the Magnet Poles onto the LCLS Undulator Main Assembly Quality Assurance Records CD		<input type="checkbox"/>	<input type="checkbox"/>
19	Copy the applicable revision of LCLS Statement of Work L-143-00031 (SLAC #SP-381-001-01) for the Magnet Poles onto the LCLS Undulator Main Assembly Quality Assurance Records CD		<input type="checkbox"/>	<input type="checkbox"/>
20	Copy the completed ANL-266 Acceptance Criteria Listing form E5-026046 onto the LCLS Undulator Main Assembly Quality Assurance Records CD		<input type="checkbox"/>	<input type="checkbox"/>
21	Copy the material of certificate for the Magnet Poles onto the LCLS Undulator Main Assembly Quality Assurance Records CD. Verify material meets requirements of section 4.1.1 of the Statement of Work.		<input type="checkbox"/>	<input type="checkbox"/>
22	Copy the contractor's annealing certification and annealing data for the Magnet Poles onto the LCLS Undulator Main Assembly Quality Assurance Records CD. Verify that annealing meets requirements of section 4.1.2.2 of the Statement of Work.		<input type="checkbox"/>	<input type="checkbox"/>
23	Copy the contractor's test reports for the Magnet Poles onto the LCLS Undulator Main Assembly Quality Assurance Records CD. Verify test reports meet requirements of sections 4.5, 4.5.1, and 4.5.2 of the Statement of Work.		<input type="checkbox"/>	<input type="checkbox"/>
24	If applicable, copy the contractor's Red Flag Reports, ANL-311 Supplier Disposition Reports, LCLS Reports of Nonconformance for the Magnet Poles onto the LCLS Undulator Main Assembly Quality Assurance Records CD		<input type="checkbox"/>	<input type="checkbox"/>
25	Copy the ANL Purchase Order 5A-06868 for the Magnets onto the LCLS Undulator Main Assembly Quality Assurance Records CD		<input type="checkbox"/>	<input type="checkbox"/>
26	Copy the applicable revision of LCLS Statement of Work L-143-00032 (SLAC # 381-001-02) for the Magnets onto the LCLS Undulator Main Assembly Quality Assurance Records CD		<input type="checkbox"/>	<input type="checkbox"/>
27	Copy the completed ANL-266 Acceptance Criteria Listing form E5-069069 onto the LCLS Undulator Main Assembly Quality Assurance Records CD		<input type="checkbox"/>	<input type="checkbox"/>
28	Copy the contractor's material stabilization certification onto the LCLS Undulator Main Assembly Quality Assurance Records CD. Verify the material stabilization certification meets requirements of section 4.1.2.3 of the Statement of Work		<input type="checkbox"/>	<input type="checkbox"/>
29	Copy the contractor's surface finish certification onto the LCLS Undulator Main Assembly Quality Assurance Records CD. Verify the surface finish certification meets requirements of section 4.1.2.3 of the Statement of Work		<input type="checkbox"/>	<input type="checkbox"/>
30	Copy the contractor's magnetic measurement data onto the LCLS Undulator Main Assembly Quality Assurance Records CD. Verify the data meets requirements of sections 4.3.2 and 4.4.3 of Statement of Work.		<input type="checkbox"/>	<input type="checkbox"/>

