

US LHC Accelerator Project		Baseline Change Request
BCR Number	60	
WBS	1.1.1 IR Quads, 1.1.2 IR Dipoles, 1.1.3 IR Feedboxes, 1.1.4 IR Absorbers, 1.2.1 RF Region Dipoles	
Title	Change L3 end-of-task milestones	
Change Control Level	3	
Originator	J. Strait	
Date	30 October 2003	

### Description of change

The level 3 tasks corresponding to the major deliverables from the US Labs to the LHC, 1.1.1 IR Quads, 1.1.2 IR Dipoles, 1.1.3 IR Feedboxes, 1.1.4 IR Absorbers, and 1.2.1 RF Region Dipoles, each has as its final milestone one which defines the end of that task. The definitions of these milestones is to be updated by this BCR to correspond to the acceptance by CERN of all equipment from each L3 task. The relevant milestones, their current definitions, and the proposed new definitions are given in the following table.

Milestone	Current Definition	Proposed New Definition
3 -1.1.1- 33 Interaction Region Quadrupoles task complete	Completion of installation of all inner triplet assemblies at IR1, IR2, IR5, and IR8.	All IR quadrupole assemblies (9 each LQXA, LQXB, LQXC) have been accepted by CERN.
3 -1.1.2- 12 Interaction Region Dipole task complete	Completion of installation of all D1s and D2s.	All IR dipoles (5 D1 and 9 D2) have been accepted by CERN.
3 -1.1.3- 11 Interaction Region Cryogenic Feed Box task complete	Completion of installation of all DFBXs.	All 8 DFBX have been accepted by CERN.
3 -1.1.4- 19 Interaction Region Absorber task complete	Completion of installation of all TASs and TANs.	All IR absorbers (4 each TAS and TAN) have been accepted by CERN.
3 -1.2.1- 16 RF Region Dipole task complete	Completion of installation of all D3s and D4s.	All RF region dipoles (3 each D3 and D4) have been accepted by CERN.

### Reason for change

The current definition of these milestones corresponds to the completion of installation of the relevant equipment into the LHC. This is not a relevant definition because the US LHC Accelerator Project has no responsibility for installation, and because the CERN LHC installation schedule extends well beyond the end of the US Project on 30 September 2005. (Installation of the LHC was scheduled to be complete in 2005 at the time the US Project was baselined.)

### Impact on other sub-systems

None.

### Impact on cost

None.

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**Impact on schedule**

None. The dates of all of these milestones remains unchanged at 30 September 2005.

**Other impacts (ES&H, etc.)**

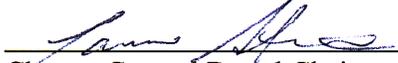
None.

**Change Control Board recommendation (if required)**

**Approvals**

\_\_\_\_\_  
WBS Level 3 Manager \_\_\_\_\_  
Date

\_\_\_\_\_  
Laboratory Project Manager \_\_\_\_\_  
Date

  
\_\_\_\_\_  
Change Control Board Chair 20 Nov 03  
Date

  
\_\_\_\_\_  
US LHC Accelerator Project Manager 20 Nov 03  
Date

\_\_\_\_\_  
DOE LHC Project Manager \_\_\_\_\_  
Date

\_\_\_\_\_  
Director, DOE Division of High Energy Physics \_\_\_\_\_  
Date