

Subpnl	Rec	Review #	Reco #	Description	Action	Owner	Scheduled Close	Actual Close	Status	Response
2.1	1	2016-001	R1	ESM: None		E. Vescovo		2-Sep-16	Closed	--
2.2	1	2016-001	R2	SIX: Continue playing an aggressive role in getting the delivery of components as they are developed by BESTEC and taking charge of installation on the experimental floor without waiting for the vendor for its installation.		I. Jarrige		30-Nov-16	Closed	Survey, layout, and installation of anchors for the array of granite blocks to support the SIX detector chamber was completed by NEXT during October 2016. Per contract, Bestec installed and aligned the granite blocks, along with the guide rails for the detector chamber motion, in November 2016. The Factory Acceptance Test for the SIX endstation and spectrometer contracts was held November 22-23 in Berlin. Delivery of the detector array assembly is scheduled for the first week of December 2016 and delivery of the sample chamber and optics chamber assembly is scheduled for the end of December 2016. NEXT will participate actively in all installations of SIX endstation components, in December 2016 and January 2017. This planned schedule is consistent with the January 31, 2017 Early Project Completion milestone for NEXT.
2.2	2	2016-001	R3	SIX: Re-evaluate the whole project schedule and make elaborate time line with resource loaded project planning for installation of beamline and 15 m spectrometer such that the SIX facility is ready for commissioning after meeting KPP. It is obvious that SIX project demands highest priority for resources to avoid any further delays.		S. Hulbert		30-Nov-16	Closed	As part of the thorough, bottom-up analysis of NEXT ETC conducted in November 2016, a detailed resource-loaded schedule of work remaining for SIX was generated. Installation of all SIX endstation components is expected by NEXT Early Project Completion (January 31, 2017). As of November 2016, the SIX endstation activities form the NEXT critical path and are receiving the high priority for NEXT resources and, to the extent possible, NSLS-II and BNL resources.
2.2	3	2016-001	R4	SIX: Appropriate actions are required for transferring the technical knowledge to ensure smooth transition from one engineer to the other.		I. Jarrige		16-Dec-16	Closed	The SIX mechanical engineer has complete knowledge of the SIX Photon Delivery System (PDS), having performed or overseen all PDS scope. This engineer has acquired all documents and knowledge relevant to completion of the SIX endstation from other engineers involved in development of the endstation.
2.2	4	2016-001	R5	SIX: Engage the user community during the early stages and build up the user base. It may be achieved through workshops and communications perhaps starting from the 2017 users meeting.		I. Jarrige		20-Dec-16	Closed	The SIX beamline leader (Jarrige) and the NSLS-II Soft X-ray Program Manager (Wilkins) are communicating with the soft X-ray synchrotron community regarding SIX capabilities and opportunities, keeping them aware of the SIX commissioning schedule and plans for the SIX user program. These activities fall under the umbrella of NSLS-II operations.
2.3	1	2016-001	R6	ISR: None		C. Nelson		2-Sep-16	Closed	--
2.4	1	2016-001	R7	SMI: None		E. DiMasi		2-Sep-16	Closed	--
2.5	1	2016-001	R8	FXI: Completion of FXI should continue to be a high priority for NSLS-II.		E. Johnson		2-Sep-16	Closed	NSLS-II has placed high priority on completion of FXI beamline and endstation construction, which will be completed by NSLS-II as part of the BDN project. The FXI PDS IRR is expected in Nov. 2017. Recent management action has pulled forward completion of FXI endstation construction.
2.6	1	2016-001	R9	ISS: Procurement and implementation of the 20-channel spectrometer electronics should be first priority for Scope Enhancement. The up to 10x faster speed of this system would be game-changing with the flux and data rates that have already been observed at ISS.		K. Attenkofer		3-Oct-16	Closed	The procurement of Xpress 3 SDD electronics has been promoted to the first priority set of scope enhancement for ISS.
2.6	2	2016-001	R10	ISS: The last 3% should be committed to see the ISS project through.		S. Hulbert		31-Oct-16	Closed	All ISS scope within the NEXT project was earned in October 2016.
3	1	2016-001	R11	ESH: None		L. Stiegler		2-Sep-16	Closed	--
4	1	2016-001	R12	C&S: Complete the IRR for the last two instruments and ensure that the SIX spectrometer and detector are installed and ready for commissioning before awarding any scope enhancement contracts.		S. Hulbert		30-Nov-16	Closed	The last two beamlines (instruments) to complete IRR and take first light are SMI and SIX. The SMI IRR was completed 3-Nov-16 and SMI took first light on 7-Nov-16. The first phase of the SIX IRR was conducted 8-9 November 2016, with no pre-start findings and all findings addressed within a few days. The second phase (final) SIX IRR is planned for ~10-Jan-17 and first light is planned for 15-Jan-17. As described in the response to R2 above, all efforts are being made to maintain the schedule for SIX endstation installation, to be completed by NEXT Early Project Completion (31-Jan-17). No scope enhancements will be awarded until the SIX IRR and endstation installation are complete.

Recommendation Tracking for August 2016 DOE Review of NEXT

As of March 2, 2017

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4	2	2016-001	R13	C&S: Further detail the SIX installation tasks (either in the baseline or in a separate working schedule) to ensure all conflicts between concurrent, co-located tasks are incorporated in the plan and status it at least weekly.		S. Hulbert		30-Nov-16	Closed	As part of the thorough, bottom-up analysis of NEXT ETC conducted in November 2016, a detailed resource-loaded schedule of work remaining for SIX was generated. These activities are included in the working schedule and tracked monthly (officially) and on a daily basis (NEXT Project Management working with SIX staff and NSLS-II Soft X-ray Program management). Management of activities that are close in either time or space are considered carefully and monitored frequently (~daily).
4	3	2016-001	R14	C&S: Revise the Transition to Operations plan to correct the tense and the references to NSLS-II		S. Hulbert		15-Dec-16	Closed	Revisions to the NEXT Transition to Operations plan have been made, and the revised document has been posted in the NSLS-II Controlled Documents Center.
5	1	2016-001	R15	Mgmt: Begin committing funds (other than initial design funds) for scope enhancements only once the Project has completed the two remaining IRRs and the SIX spectrometer and detector have been installed and are ready for commissioning.		S. Hulbert		30-Nov-16	Closed	Regarding initial design, no NEXT funds were committed to these activities; they will be conducted utilizing alternate sources of funding. A significant fraction (greater than half) of the M&S funds proposed for scope enhancements do not require completion of the initial designs. However, regarding the M&S scope enhancements, see response to R12 above: No scope enhancements will be awarded until the SIX IRR and endstation installation are complete.
								Closed	15	
								Ongoing	0	
								Open	0	