

## Recommendation Tracking for February 2011 PAC

Finding #	Description	Owner	Scheduled Close	Actual Close	Status	Response
F01	Establish the charter for the initial task of the ARR Team to cover not just the Linac, but also the complete facility, to the extent that available information allows.	Steve Hoey	9/30/2011	9/30/2011	Closed	ARR Team has been established to cover all 4 phases of the readiness reviews - Linac, Booster, Storage Ring then entire NSLS-II accelerator complex. A very successful Linac ARR was held in late February and the ARR Team is now gearing up to conduct its review for the Booster.
F02	All mitigation measures under consideration associated with magnet production should be pursued aggressively as soon as possible.	Ferdinand Willeke	6/30/2011	6/30/2011	Closed	Aggressive schedule mitigation actions were taken for the magnet production during year 2011. Progress has been improved substantially and magnet productions are now on track to meet the revised installation schedule.
F03	The Project should review the feasibility of the baseline schedule for the systems discussed above (Booster, SRF cavities, Cryogenics, Vacuum systems, Insertion devices)	Ferdinand Willeke	9/30/2011	9/30/2011	Closed	Installation schedule has been monthly updated based on the production and delivery schedule of all subsystems. Current baseline reflects aggressive but feasible and realistic schedule for the remaining project duration and will continue to be updated as we make progress going forward.
F04	Formally document the probability of success for risk mitigations and the potential for residual risks.	Aesook Byon	11/30/2011	11/30/2011	Closed	Probability and potential impact (both cost and schedule) for each risk entry as well as potential mitigation have been formally documented in project risk registry.
F05	Ensure the estimated cost for risk mitigations are contained in the project estimate or the EAC.	Aesook Byon	6/30/2011	6/30/2011	Closed	Estimated cost for risks which have greater than 50% probability of becoming real impact has been included in the EAC.

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F06	Ensure that the cost and schedule estimates and the impacts of the risks are realistic, in particular in the following challenging areas: storage ring magnets, Linac and Booster, superconducting cavities, cryogenic plant, beamlines, and all installation and commissioning activities.	Ferdinand Willeke Qun Shen	6/30/2011	6/30/2011	Closed	Risks in all challenging areas have been reviewed and updated in regular (roughly monthly) basis. Estimated cost for risks which have greater than 50% probability of becoming real impact has been included in the EAC.
F07	Continue planning for scope additions and defer the use of contingency for those items until more experience is gained, especially in the area of accelerator component production.	Steve Dierker	9/30/2011	9/30/2011	Closed	Planning for scope additions has been regularly reviewed and updated, especially on their scientific merits and cost and schedule impact. Use of contingency for the scope additions has been executed within a stringent boundary condition - to reserve enough contingency to cover 100% of EAC and risk as well as stay well above 25% of remaining work.
F8	We recommend that project scope options, including additional beamlines, continue to be evaluated while contingency usage experience is gained. Risks such as arise from possible significant delays in accelerator component production should be mitigated prior to adopting any plan for significant project scope additions.	Steve Dierker	9/30/2011	9/30/2011	Closed	Use of contingency for the scope additions has been executed within a stringent boundary condition - to reserve enough contingency to cover 100% of EAC and risk as well as stay well above 25% of remaining work. Timeline for the decisions on scope options has been regularly evaluated based on available contingency and schedule to complete the additional scope.