

# Service Coordination Board (SCB) Meeting Summary

Date: 21 January 2015

**Members in attendance:**

	Member	In Attendance
AES	John Maclean	
	Geoff Pile	√
ASD	Ju Wang	√
	Ali Nassiri	
XSD	Mark Beno	√
	Chris Jacobsen	
	Jonathan Lang	√
Upgrade Project	Tom Fornek	√
	Mohan Ramanathan	

Also in attendance: Steve Davey, Nancy Grossman, and Rose Torres

This report can be accessed through the following link: [APS 1677106](#)

**Agenda:**

- I) Review of Meeting Minutes
- II) Review of Open Action Items
- III) Status of Projects
- IV) Other Business
  - a. Update from Nancy Grossman
  - b. Review of Divisions' Priorities/Submitted Proposals
  - c. Delays in establishing WBS numbers
  - d. Large project, roles and responsibilities
- V) New Business

**Next Meeting**

18 February 2015

### **New Action Items**

1. Action item: Work with Gluskin to determine the approach for the change in scope in SCU-1 project (change scope in existing plan – adding removal, troubleshooting/repair, and reinstallation - or new proposals/projects for the new scope) and will update the SCB within a week. (Pile)
2. Action item: Review list of submitted projects and identify which ones to reject, keep active, or the request SCB approval for. (SCB members)
3. Action Item: Work with Grossman and merge the two versions of project roles and responsibilities and present update at a future SCB meeting. (Pile)

### **Review of Open Action Items**

#### Ongoing Action Items:

1. Action Item: Ramanathan to address ASD approving a 35-BM project with ASD Director and follow-up with the Operations Directorate  
Closed
2. Action Item: Davey WBS number needed for the Add a Horizontal Stripline to PO Feedback System project (P-1773, APS\_1662043)  
Closed
3. Action Item: Wang to review hours booked against Installation of SCU-1 into Sector 1 (Project P-2253, APS\_1445357)  
Pile: may need additional time/resources to close out  
Torres: 1445 hours estimated, +1700 hours booked in November and +3700 hours booked in total  
Closed
4. Action Item: Maclean to follow-up on WBS for the Early Career Award Project (P-1454, APS\_1437980).  
Open
5. Group leader review of revised Sector 35/Sector 31 Straight Section Exchange project (P-1833, APS\_1442033) (Torres)  
Open – (See Status of Projects section)

## Meeting Summary

Torres distributed:

- 1) Meeting Agenda
- 2) Draft minutes from the 15 December 2014 meeting (APS\_1674242)
- 3) APS Project Report Summary - December 2014 (APS\_1442081, rev. 16)
- 4) APS Project Resource Summary- December 2014 (APS\_1432632, rev.46)
- 5) APS Project Report Summary Comment - December 2014(APS\_1440691, rev 19)
- 6) Lists of draft, submitted, and provisionally approved projects for each AES, ASD, and XSD (Attachment 1)

Review of Meeting Minutes –17 December 2014 meeting summary accepted after the removal of the need to close SCU 1-m Long Magnet Design and Fabrication project (P-1153, APS\_1433098), previously closed.

## Status of Projects

### SCU-1

SCU-1 installation into Sector 1 project (Project P-2253, APS\_1445357) was not successfully completed – installed, removed for repairs, and will need to be reinstalled.

Wang: New project(s) or keep the existing project open for the added work?

Pile: Requested ASD to provide a new plan, without a plan work could be halted. Who's in charge?

Action item: Work with Gluskin to determine the approach for the change in scope in SCU-1 project (change scope in existing plan – adding removal, troubleshooting/repair, and reinstallation - or new proposals/projects for the new scope) and will update the SCB within a week. (Pile)

Wang: Work is using ASD resources

Pile: AES vacuum and mechanical groups will be involved, trouble shooting is on-going.

Torres: Effort still being charged to P-2253

If a breakdown is sought, new projects(s) could permit associating of resources to troubleshooting/repair and to re-installation. Monthly reports could provide time slices – monthly resolution.

### Need to provide responses to requestors

Pile – It was pointed out that a requestor had submitted two projects and didn't receive any status feedback (Redesign of the 2-ID-D X-ray Fluorescence Microprobe (January 2014), P-1894 and Conceptual Design of canting 2-ID (Oct. 2014), P-2333)

Beno: There's no M&S available for the projects

Lang: There wasn't notice that they were submitted – should have gone through Jacobsen

Pile: MED is doing 75% of work through tickets – only 2 FTEs available. Need to get back to Barry Lai

Grossman: need priorities from Divisions

Lang: without a budget, no clue which are to be supported. Almost all submitted projects need M&S.

Action item: Review list of submitted projects and identify which ones to reject, keep active, or the request SCB approval for. (SCB members)

Action item: Pending automatic email implementation, send follow up emails of status (Davey)

### **Other Business**

Grossman present update on project proposal system changes (see Attachment 2). [Following the meeting Grossman submitted update slides: [APS 1677277](#)]

In addition to the time it takes to establish a WBS and update the WBS in DayForce, delays have been encountered in procurements (which now require the WBS) because the financial people have not been notified when WBS updates have been completed.

The Large Project Roles and Responsibilities drafted by Pile were redistributed (Attachment 3).

Pile: No feedback received. Concerned about who is responsible/accountable for the project – should be the project manager.

Grossman: Geoff's draft overlaps with roles and responsibilities that she has prepared.

Action item: Work with Grossman and merge the two versions of project roles and responsibilities and present update at a future SCB meeting. (Pile)

**Next Meeting: 17 December 2014, 401/B4100, 11:15**

**Attachment 1 Draft, Submitted, and Provisionally Approved AES, ASD, and XFD Projects 1/21/15**

ICMS copies:

SCB 2015 January 21 AES unapproved proposals: [APS\\_1677252](#)

SCB 2015 January 21 ASD unapproved proposals: [APS\\_1677253](#)

SCB 2015 January 21 XSD unapproved proposals: [APS\\_1677254](#)

DRAFT

AES Projects

(1/21/2015)

Project#	Title	Status	Manager	Dir	Group	Funding Type	Proposed Start Date	Proposed End Date	FY2012 Req(\$)	FY2013 Req(\$)	FY2014 Req(\$)	FY2015 Req(\$)	FY2016 Req(\$)	Risk	Priority	Category
403	RF IOC Crates	Provisional	Farmasowicz, Richard	AES	CTL	AP	10/5/2011	9/30/2012	51.1					High Risk		3 Machine Enhancements
404	Upgrade Treatment Power Supplies	Provisional	Farmasowicz, Richard	AES	CTL	AP	10/5/2011	9/30/2012	51.1					High Risk		3 Machine Enhancements 3 Computer Systems and 3 Conventional Facilities
409	Drawing management task force support	Provisional	Leathman, Steve L.	AES	IS	OP	10/3/2011	9/30/2012	118.2					240 High Risk		3 Conventional Facilities 3 Computer Systems and 3 Conventional Facilities
404	XSD Backup and Storage Server Upgrades	Provisional	Sobowicz, Kenneth	AES	IT	CAP	11/1/2011	9/30/2012	150.2					High Risk		3 Conventional Facilities 3 Computer Systems and 3 Conventional Facilities
399	XSD GRIDFTP and Small Service Upgrades	Provisional	Sobowicz, Kenneth	AES	IT	CAP	11/1/2011	9/30/2012	117.5					150 High Risk		3 Conventional Facilities 3 Computer Systems and 3 Conventional Facilities
403	XSD HPC Computer and Storage Upgrades	Provisional	Sobowicz, Kenneth	AES	IT	CAP	11/1/2011	9/30/2012	126.7					High Risk		3 Conventional Facilities 3 Computer Systems and 3 Conventional Facilities
411	Booster Vacuum Ion Pump and Controller Replacement	Provisional	Dowdner, George	AES	MOM	OP	11/1/2011	9/30/2012	241					Low Risk		3 Conventional Facilities 3 Computer Systems and 3 Conventional Facilities
461	RTFB upgrade	Submitted	Farmasowicz, Richard	AES	CTL	AP	10/5/2011	9/30/2012	66.4					Moderate	F	3 Spares Upgrades (short pulse x-rays) 8 SCU and ERL
466	Upgrade the PSS IOC's	Submitted	Farmasowicz, Richard	AES	CTL	AP	1/22/2011	9/30/2012	111.4					Medium	Hi	9 SCU and ERL Upgrades (short pulse x-rays) 4 Machine Enhancements
467	Upgrade Video crate	Submitted	Farmasowicz, Richard	AES	CTL	AP	10/5/2011	9/30/2012	50.1					Low Risk		4 Machine Enhancements Upgrades (short pulse x-rays) 9 SCU and ERL
458	Upgrades - Software additions for Upgrade - Pro/E (234K)	Submitted	Rutshorn, Brian M.	AES	DO	OP	11/1/2012	9/30/2012	0					High Risk		9 SCU and ERL Upgrades (short pulse x-rays) 9 SCU and ERL
459	Upgrade - Software Additions for Upgrade - Autodesk (259K)	Submitted	Rutshorn, Brian M.	AES	DO	OP	11/1/2012	9/30/2012	0					High Risk		9 SCU and ERL Upgrades (short pulse x-rays) 9 SCU and ERL
460	Upgrade - Computers for New Hires (1199K)	Submitted	Rutshorn, Brian M.	AES	DO	OP	11/1/2012	9/30/2012	0					High Risk		10 SCU and ERL Upgrades (short pulse x-rays) Computer Systems and Computer Systems and
407	Central Unix/Linux Server Upgrades	Submitted	Sobowicz, Kenneth	AES	IT	CAP	11/1/2011	9/30/2012	0					Low Risk		2 Conventional Facilities Computer Systems and Computer Systems and
400	Rebranders 10 Cops for Central Networks	Submitted	Sobowicz, Kenneth	AES	IT	CAP	10/3/2011	9/30/2012	102.2					Medium	Hi	6 Conventional Facilities Computer Systems and Computer Systems and
402	Central Windows and Unix/Linux Servers	Submitted	Sobowicz, Kenneth	AES	IT	CAP	11/1/2011	9/30/2012	153.3					Medium	Hi	8 Conventional Facilities Computer Systems and Computer Systems and
405	XSD Storage Upgrade	Submitted	Sobowicz, Kenneth	AES	IT	CAP	11/1/2011	9/30/2012	0					Low Risk		2 Conventional Facilities Computer Systems and Computer Systems and
459	Leak detector	Submitted	Den Hartog, Pat	AES	MED	OP	11/1/2011	9/30/2012	50.0					Low Risk		5 Machine Enhancements 5 Spares 5 Beamlines
440	Leak detector	Submitted	Den Hartog, Pat	AES	MED	OP	11/1/2011	9/30/2012	68.8					High Risk		10 Spares Machine Obsolescence and 5 Beamlines
441	Diamond Nanotransistor coating R&D	Submitted	Den Hartog, Pat	AES	MED	OP	11/1/2011	9/30/2012	87.5					Low Risk		5 Beamlines 5 Beamlines
442	Beamline engineering R&D	Submitted	Den Hartog, Pat	AES	MED	OP	11/1/2011	9/30/2012	154.5					Low Risk		5 Beamlines 5 Beamlines
443	Applications	Submitted	Den Hartog, Pat	AES	MED	OP	11/1/2011	9/30/2012	71.5					Low Risk		5 Machine Enhancements 5 Beamlines 5 Beamlines
444	Nanopositioning R&D (Presemer)	Submitted	Den Hartog, Pat	AES	MED	OP	11/1/2011	9/30/2012	72.8					Low Risk		5 Beamlines 5 Beamlines
445	Gravity flow cryogenic cooling system R&D	Submitted	Den Hartog, Pat	AES	MED	OP	11/1/2011	9/30/2012	107.1					Low Risk		5 Beamlines 5 Beamlines
446	X-ray windows that preserve coherence	Submitted	Den Hartog, Pat	AES	MED	OP	11/1/2011	9/30/2012	73.9					Low Risk		5 Beamlines 5 Beamlines
447	Diamond bonding R&D including student	Submitted	Den Hartog, Pat	AES	MED	OP	11/1/2011	9/30/2012	58.4					Low Risk		5 Beamlines 5 Beamlines
448	A novel approach to the development of x-ray analyzers	Submitted	Den Hartog, Pat	AES	MED	OP	11/1/2011	9/30/2012	58.4					Low Risk		5 Beamlines 5 Beamlines
449	Handbook of x-ray techniques for industrial applications	Submitted	Den Hartog, Pat	AES	MED	OP	11/1/2011	9/30/2012	78.7					Low Risk		5 Machine Enhancements 5 Machine Enhancements
450	3TA (Goran) 8 months	Submitted	Den Hartog, Pat	AES	MED	OP	10/4/2011	9/30/2012	147					Medium	F	5 Machine Enhancements Upgrades (short pulse x-rays) 16 SCU and ERL
451	backlog	Submitted	Den Hartog, Pat	AES	MED	OP	12/1/2011	10/30/2012	0					Medium	Hi	16 SCU and ERL Upgrades (short pulse x-rays) 10 SCU and ERL
452	Matinee engineering from other divisions for upgrade	Submitted	Den Hartog, Pat	AES	MED	OP	12/1/2011	9/30/2012	0					Medium	Hi	10 SCU and ERL Upgrades (short pulse x-rays) 10 SCU and ERL
453	Upgrade - New employees (5) computers and software (111.2K)	Submitted	Den Hartog, Pat	AES	MED	OP	12/1/2011	9/30/2012	0					High Risk		10 SCU and ERL Upgrades (short pulse x-rays) 5 SCU and ERL
454	Prototype new design of safety shield and integral shutter rot	Submitted	Den Hartog, Pat	AES	MED	OP	12/1/2011	9/30/2012	62.5					Low Risk		5 SCU and ERL Machine Obsolescence and 5 Spares
438	Laser Tracker	Submitted	Den Hartog, Pat	AES	MED	CAP	11/1/2011	9/30/2012	144.3					Elevated	R	5 Spares Obs. Obsolescence, Mission 2 Readiness
2075	Need to replace several ID's as becoming obsolete	Submitted	Den Hartog, Pat	AES	MED									Medium	Hi	2 Readiness

AES Projects

2/1/2016

Project Title	Status	Manager	Div	Group	Funding Type	Proposed Start Date	Proposed End Date	FY2012 Req(\$k)	FY2013 Req(\$k)	FY2014 Req(\$k)	FY2015 Req(\$k)	FY2016 Req(\$k)	Req(\$k)	Req(\$k)	Risk	Priority	Category
2375 DI Water control system for RF process water systems DI Water controls for Linac, PAR, Booster process water 2378 systems.	Submitted	Merrison, Leonard	AES	AES	CAP	10/1/2015	9/30/2016				80		320	Low Risk	30	Machine Obsolescence and Spares	
417 Linac to PAR, PAR, and PAR to Booster Valves & van pumps	Submitted	Merrison, Leonard	AES	AES	CAP	10/1/2015	9/30/2016				70		320	Low Risk	30	Machine Obsolescence and Spares	
434 Vacuum Chamber Cooling Sheds Instrumentation	Submitted	Goepfer, George	AES	MOM	OP	12/22/2011	10/1/2013	159.4						Low Risk	5	Machine Obsolescence and Spares	
416 Water Systems Obsolescence	Submitted	Goepfer, George	AES	MOM	OP	11/1/2011	9/30/2012	150.2						Low Risk	4	Machine Obsolescence and Spares	
418 First End Instrumentation Reliability Upgrade	Submitted	Goepfer, George	AES	MOM	OP	11/1/2011	9/30/2012	87.7						Low Risk	5	Machine Obsolescence and Spares	
419 Secondary Process Water Pump Reliability	Submitted	Goepfer, George	AES	MOM	OP	11/1/2011	9/30/2012	135.9						Low Risk	5	Machine Obsolescence and Spares	
421 Cyo Lab Leak Detector (1) & Vacuum Leak Detector Carts (2)	Submitted	Goepfer, George	AES	MOM	OP	11/1/2011	9/30/2012	162.5						Low Risk	4	Machine Obsolescence and Spares	
422 Control System for Linac Modulator Process Water Pumps	Submitted	Goepfer, George	AES	MOM	OP	11/1/2011	9/30/2012	62.3						Low Risk	2	Machine Enhancements	
423 DI Water Purifying System Controls	Submitted	Goepfer, George	AES	MOM	OP	11/1/2011	9/30/2012	73.8						Moderate	5	Machine Enhancements	
425 Process Water Quality Instrumentation Upgrade	Submitted	Goepfer, George	AES	MOM	OP	11/1/2011	9/30/2012	220.9						Low Risk	5	Machine Obsolescence and Spares	
427 Low Compressor RTD Chassis Replacement with PLC	Submitted	Goepfer, George	AES	MOM	OP	11/1/2011	9/30/2012	51.1						Low Risk	2	Machine Obsolescence and Spares	
428 Pump Alignment and Vibration Monitoring Equipment	Submitted	Goepfer, George	AES	MOM	OP	11/1/2011	9/30/2012	73.8						Low Risk	2	Machine Enhancements	
1033 Replace obsolete controllers for DI water system	Submitted	Swain, Eugene	AES	MOM	CAP	12/22/2012	10/1/2015	150						Moderate	7	Machine Obsolescence and Spares	
833 stability	Submitted	Goepfer, George	AES	MOM	CAP	3/1/2013	12/31/2012	90						Low Risk	4	SCU and, SRI	
873 sections.	Submitted	Goepfer, George	AES	MOM	OP	12/1/2012	9/30/2013		100					Low Risk	5	Beam Stability	
1403 RF Water Systems' Control Valves Replacement	Submitted	Goepfer, George	AES	MOM	OP	4/30/2013	1/30/2014		40					Low Risk	3	Machine Obsolescence and Spares	
1513 Storage ring spares Aluminum gaskets	Submitted	Zank, John	AES	MOM	OP	10/20/2014	9/30/2015		120					High Risk	1	Machine Obsolescence and Spares	
1553 System	Submitted	Purton, Cedric C.	AES	MOM	CAP	4/30/2013	6/30/2014		37					High Risk	8	Machine Obsolescence and Spares	
2273 Vacuum chamber microwave enable installation	Submitted	Goepfer, George	AES	MOM	CAP	4/17/2014	5/31/2017							Elevated R	8	Machine Stability	
2374 38 & 40	Submitted	Swain, Eugene	AES	MOM	CAP	10/21/2014	6/30/2015			30				Low Risk	3	Machine Obsolescence and Spares	
2375 DI Water control system for process water systems in SR sections	Submitted	Swain, Eugene	AES	MOM	CAP	10/15/2014	9/30/2015			35				Low Risk	3	Machine Obsolescence and Spares	
2376 PPS Generation 1 Upgrade	Submitted	Markovich, Gregory M/AES	AES	SI	OP	11/1/2011	9/30/2015	111.4						Elevated R	9	Beamlines	
2377 E-2 and EAA	Submitted	Swain, Eugene	AES	SI	OP	11/1/2011	9/30/2012	0						Low Risk	6		
2378 22 & 23 Sectors/Beam & Transformer Upgrade at Linac/Injection	Submitted	Swain, Eugene	AES	SI	OP	11/1/2011	9/30/2012	0						Low Risk	0		
430 BSG	Submitted	Janik, Richard E.	AES	SI	OP	11/1/2011	9/30/2012	0						Low Risk	0		
434 COM 437 Pentagon Buildings	Submitted	Janik, Richard E.	AES	SI	OP	11/1/2011	9/30/2012	0						Low Risk	0		
435 Data Center Expansion	Submitted	Janik, Richard E.	AES	SI	OP	11/1/2011	9/30/2012	183.5						Moderate	7	Computer Systems and Conventional Facilities	
439 LTHW Gasflow Replacement	Submitted	Janik, Richard E.	AES	SI	OP	11/1/2011	9/30/2012	0						Low Risk	0		
435 New Storage Building	Submitted	Janik, Richard E.	AES	SI	OP	11/1/2011	9/30/2012	0						Low Risk	0		
1953 Automated Favor Processing	Draft	Leatherman, Steve L.	AES	IS		3/3/2014	3/31/2014							184	Moderate Risk	Computer Systems and Conventional Facilities	
1977 CNM Legacy Application Support	Draft	Leatherman, Steve L.	AES	IS		12/4/2014	6/30/2014							24	Low Risk	Computer Systems and Conventional Facilities	
2032 Zavid Server Retirement	Draft	Leatherman, Steve L.	AES	IS		6/9/2014	6/30/2014							80		Computer Systems and Conventional Facilities	
2054 User registration system changes	Draft	Leatherman, Steve L.	AES	IS		2/13/2014	9/30/2014							160	Medium Risk	Computer Systems and Conventional Facilities	
2113 Enhance project proposal system	Draft	Leatherman, Steve L.	AES	IS		2/19/2014	2/19/2015							240		Computer Systems and Conventional Facilities	
1958 Display Content Management System	Draft	Leatherman, Steve L.	AES	IS		1/24/2014	7/31/2014							200	Moderate Risk	Computer Systems and Conventional Facilities	

AES Projects

(1/21/2014)

Project#	Title	Status	Manager	Div	Group	Funding Type	Proposed Start Date	Proposed End Date	FY2012 Req(\$)	FY2013 Req(\$)	FY2014 Req(\$)	FY2016 Req(\$)	EP Req(\$)	Risk	Priority	Category
1959	BES Facilities Regain Production	Draft	Leithemien, Steve L. AES	IS	IS	OP	8/1/2014	10/15/2014					112	Elevated Risk		Computer Systems and Conventional Facilities
1958	EDP System Support and Enhancements Allow user registration system to show address values and archive	Draft	Leithemien, Steve L. AES	IS	IS	OP	1/24/2014	5/30/2014					404	Medium Risk		Computer Systems and Conventional Facilities
2203	changes to data	Draft	Leithemien, Steve L. AES	IS	IS	OP	1/21/2014	5/5/2015					160	Low Risk		Core Operations, maintenance
1955	CAM notebook	Draft	Leithemien, Steve L. AES	IS	IS	OP	1/24/2014	3/31/2014					372	Elevated Risk		Computer Systems and Conventional Facilities
1980	APS-U Support	Draft	Leithemien, Steve L. AES	IS	IS	OP	1/24/2014	9/30/2014					1224	Elevated Risk		Computer Systems and Conventional Facilities
2265	POM-14 Support	Draft	Leithemien, Steve L. AES	IS	IS	OP	9/17/2014	4/30/2014			10000			Low Risk		Computer Systems and Conventional Facilities
2513	Int	Draft	Zhang, Yang	IS	IS	OP	1/13/2015	1/13/2016								Computer Systems and Conventional Facilities
1433	Sector 9 BMT Drive Director Platform	Draft	Benson, Cynthia AES	AES	MED	OP	1/16/2013	5/30/2013			2		220	Medium Risk	5	Beamlines
1434	Sector 12-9M-2 Optical Support Table	Draft	Benson, Cynthia AES	AES	MED	OP	1/16/2013	5/30/2013			8.6		256	Medium Risk	5	Beamlines
2193	Replace SR ring system supports for higher power versions	Draft	Munson, Leonard AES	AES	MED	OP								Medium R)		CEs Observation, Mission Readiness
2205	APS Integrated Management System	Submitted	Goodman, Nancy L. PSC	PA	PA	OP	12/1/2014	9/30/2016						High Risk		Core Operations, maintenance

ASD Projects

(10/1/2015)

Project#	Title	Status	Manager	Dv	Group	Funding Type	Proposed Start Date	Proposed End Date	FY2012 Req(\$)	FY2013 Req(\$)	FY2014 Req(\$)	FY2015 Req(\$)	FY2016 Req(\$)	Req/Hours	Risk	Priority	Category
1033	525-531 Straight Section Exchange	Submitted	Benjamin Wang	ASD	DIA	OP	10/28/2011	10/30/2012	33					20	Elevated R	5	Beamlines
609	Apogee-Style Undulator	Submitted	Quentin, Efin	ASD	ADM	OP	10/28/2011	9/30/2012	56						Medium R	5	Machine Enhancements
607	Orad Standard/U Wire-Schick	Submitted	Quentin, Efin	ASD	ADM	OP	10/28/2011	9/30/2012	50						Medium R	5	Machine Enhancements
602	Deflecting Cavity	Submitted	Seeno, Nicholas	ASD	ADP	OP	10/28/2011	9/30/2012	93						Medium R	5	Machine Enhancements
1133	Replacement for PAR and SR spines	Submitted	Yao, Chih-Yuan	ASD	ADP	OP	10/28/2012	3/31/2013	40					100	Moderate F		Machine Obsolescence and Spares
1134	SR line measurement amplifier upgrade	Submitted	Yao, Chih-Yuan	ASD	ADP	OP	10/28/2012	10/1/2013	55.5						Moderate Risk		
1135	SR line measurement amplifier upgrade	Submitted	Yao, Chih-Yuan	ASD	ADP	OP	10/28/2012	10/1/2013	61						Medium Risk		
1255	Adding a horizontal drive tripwire to PO feedback system	Submitted	Yao, Chih-Yuan	ASD	ADP	CAP	11/18/2013	6/30/2014	114					80	Medium Risk		
1135	SR line measurement amplifier upgrade	Submitted	Yao, Chih-Yuan	ASD	ADP	OP	10/28/2012	6/30/2013	13.3						Moderate Risk		
1137	PAR beamline RF tuner control upgrade	Submitted	Yao, Chih-Yuan	ASD	ADP	OP	10/28/2012	9/30/2013	22.2					300	Medium Risk		
1134	Upgrade booster injection controller 3P/4s	Submitted	Yao, Chih-Yuan	ASD	ADP	OP	10/28/2012	9/30/2013	18.7					300	Medium Risk		
1136	Booster bunch cleaning system	Submitted	Yao, Chih-Yuan	ASD	ADP	OP	10/28/2012	12/31/2013	16.7						Medium Risk		
1354	Upgrade the ADP Intra cluster	Submitted	Soddy Robert	ASD	ADP	AP	11/05/2012	10/1/2013	100						Medium R		Computer Systems and maintenance, repairs
608	SR Portable Detector Upgrade	Submitted	Decker, Glenn	ASD	DIA	ADP	10/28/2011	9/30/2012	73						Moderate F		Machine Enhancements
603	Diagnosics Lab Test Equipment	Submitted	Decker, Glenn	ASD	DIA	OP	10/28/2011	9/30/2012	69						Medium R		Scientific Enablers
604	Diagnosics Spares/Replacement	Submitted	Decker, Glenn	ASD	DIA	OP	10/28/2011	9/30/2012	50						Moderate F		Machine Enhancements
605	Photon Monitor System Maintenance-Upgrade	Submitted	Decker, Glenn	ASD	DIA	OP	10/28/2011	9/30/2012	90						Medium R		Beam Stability
631	Network Analyzer Replacement	Submitted	Decker, Glenn	ASD	DIA	CAP	10/28/2011	9/30/2012	85.6						Medium R		Scientific Enablers
632	High Power RF Amplifiers (Qty 2)	Submitted	Decker, Glenn	ASD	DIA	CAP	10/28/2011	9/27/2013	55.6						Medium R		Scientific Enablers
2553	Storage Ring Current Monitor Summable Signals	Submitted	Kauro, Rubert	ASD	DIA	CAP	1/19/2015	7/30/2015	17					488	Moderate Risk		Computer Systems and maintenance, repairs
548	Office Furniture for Bldg 314	Submitted	Merritt, Michael	ASD	MO	OP	10/28/2011	9/28/2012	50						Medium R		Computer Systems and maintenance, repairs
1168	SCU1 crystal design and fabrication	Submitted	Vanyushenkov, Yuriy	ASD	MO	OP	10/30/2012	9/30/2013	512						512		Upgrades (incl pulse x-rays, SCU and ERL)
609	Superconducting Undulator ALS- SCU1	Submitted	Vanyushenkov, Yuriy	ASD	MO	OP	10/28/2011	9/30/2012	222						Elevated R		Upgrades (incl pulse x-rays, SCU and ERL)
489	Booster Kicker Power Supply Upgrade	Submitted	Wang, Ji	ASD	PS	AP	10/28/2011	10/7/2012	136						Low Risk		Machine Obsolescence and Spares
611	Grid Student Subcontract	Submitted	Wang, Ji	ASD	PS	OP	10/28/2011	9/30/2012	40						Medium R		Scientific Enablers
614	Hyperion Software AC Power Integrity Analysis	Submitted	Wang, Ji	ASD	PS	OP	10/28/2011	9/30/2013	85.6						Medium R		Scientific Enablers
1233	Booster Main Ramping PS Upgrade (RFP 01225)	Submitted	Wang, Ji	ASD	PS	CAP	11/7/2012	11/8/2013	21.2					300	Moderate F		Machine Enhancements
632	EE Faculty Appointment(s)	Submitted	Wang, Ji	ASD	PS	OP	10/28/2011	6/30/2012	81.8						Elevated R		Scientific Enablers
613	Hyperion Software: Baseband/Sigal Integrity	Submitted	Wang, Ji	ASD	PS	OP	10/28/2011	9/30/2012	56.7						Medium R		Scientific Enablers
1333	Booster Ramping Converters Control Upgrade	Submitted	Wang, Ji	ASD	PS	AP	1/28/2012	11/27/2013	154					240	Low Risk		Machine Enhancements
562	AC Line AMPM Noise Suppression	Submitted	Nasiri, Alireza	ASD	RF	AP	10/7/2011	9/30/2012	100						High Risk		Machine Obsolescence and Spares
554	Klystron Drive Amplifier Upgrade	Submitted	Nasiri, Alireza	ASD	RF	AP	10/7/2011	9/30/2012	100						Medium R		Machine Obsolescence and Spares
501	Linear Hot Spares for L4/L5	Submitted	Horan, Douglas	ASD	RF	AP	10/6/2011	9/30/2012	97						Moderate F		Machine Obsolescence and Spares
598	SR RF Cavity Turbo Refurbishment	Submitted	Horan, Douglas	ASD	RF	OP	10/28/2011	9/30/2012	111						Medium R		Machine Enhancements
597	SR Cavity Input Coupler Development	Submitted	Horan, Douglas	ASD	RF	AP	10/28/2011	9/30/2012	88						Medium R		Machine Enhancements
603	Linear Modulator Solid State Switches	Submitted	Horan, Douglas	ASD	RF	AP	10/6/2011	9/30/2012	71.3						Low Risk		Machine Enhancements
583	352MHz Source & 10MHz Reference Upgrade	Submitted	Nasiri, Alireza	ASD	RF	AP	10/7/2011	9/30/2012	120						High Risk		Machine Enhancements
618	Thyatron Spares (Qty 2)	Submitted	Horan, Douglas	ASD	RF	OP	10/28/2011	9/30/2012	57.8						Medium R		Machine Obsolescence and Spares
617	500W Linear Amplifier Spare	Submitted	Horan, Douglas	ASD	RF	OP	10/28/2011	9/30/2012	60						Low Risk		Machine Obsolescence and Spares
622	300W DC Load	Submitted	Horan, Douglas	ASD	RF	OP	10/28/2011	9/30/2012	33.4						Low Risk		Machine Obsolescence and Spares
663	Storage Ring RF AMPM Noise Suppression	Submitted	Horan, Douglas	ASD	RF	OP	4/3/2012	4/24/2015							Medium R		Machine Enhancements
1013	Upgrade two spares solid-state switches for the linear modulators	Submitted	Cough, Alexander	ASD	RF	OP	10/1/2013	6/30/2014	8					44	Low Risk		Machine Obsolescence and Spares
621	Matching Transformer Spares	Submitted	Horan, Douglas	ASD	RF	OP	10/28/2011	9/30/2012	77.8						Low Risk		Machine Obsolescence and Spares

ASD Projects

(1/21/2015)

Project#	Title	Status	Manager	Div	Group	Funding Type	Proposed Start Date	Proposed End Date	FY2012 Req(\$)	FY2013 Req(\$)	FY2014 Req(\$)	FY2015 Req(\$)	Req(hours)	Risk	Priority	Category
625	Waveguide Spares	Submitted	Horan, Douglas	ASD	RF	OP	10/26/2011	8/30/2012	80					Low Risk		5 Spares Machine Obsolescence and
618	Bi-Phase Modulator (Qty 2)	Submitted	Horan, Douglas	ASD	RF	OP	10/26/2011	9/30/2012	28.1					Low Risk		5 Spares Machine Obsolescence and
619	Fundamental Beam Tube & Ceramic Spare	Submitted	Horan, Douglas	ASD	RF	OP	10/26/2011	9/30/2012	60					Medium R		5 Spares Machine Obsolescence and
623	Modulator/Phase Shifter Upgrade	Submitted	Horan, Douglas	ASD	RF	OP	10/26/2011	9/30/2012	46.7					Low Risk		5 Machine Enhancements
629	SIS Crayler Assy w. New Parts	Submitted	Horan, Douglas	ASD	RF	OP	10/26/2011	9/30/2012	56					Medium R		5 Machine Enhancements
674	3625H/44V Field Stable Amp Drive	Submitted	Horan, Douglas	ASD	RF	OP	10/26/2011	9/30/2012	33.4					Low Risk		5 Machine Enhancements
1353	Replacement of capacitors for Intra modulators	Submitted	Cours, Alexander	ASD	RF	OP	12/1/2012	8/8/2013		19.6			48	Low Risk		1 Spares Machine Obsolescence and
1473	Replace high-voltage capacitors in the Intra modulators	Submitted	Cours, Alexander	ASD	RF	OP	10/1/2013	9/25/2014			40		88	Low Risk		1 Spares Machine Obsolescence and
815	S-Band Klystron	Submitted	Horan, Douglas	ASD	RF	OP	10/26/2011	9/30/2012	276.9					Medium R		5 Spares Machine Obsolescence and
826	FOA for 430 Test Stand	Submitted	Horan, Douglas	ASD	RF	OP	10/26/2011	9/30/2012	22.2					Low Risk		5 Scientific Enablers
630	Aluminum Load Refurbishment	Submitted	Horan, Douglas	ASD	RF	OP	10/26/2011	9/30/2012	73.4					Moderate I		5 Scientific Enablers
1474	Replace Intraons with solid-state switches in the Intra Modulators	Submitted	Cours, Alexander	ASD	RF	OP	10/1/2013	9/25/2014			30		56	Low Risk		1 Spares Machine Obsolescence and
2213	S-Band Klystron for the APS Line	Submitted	Cours, Alexander	ASD	RF	OP	10/17/2014	9/17/2015				274	48	Low Risk		0 Spares Machine Obsolescence and
2095	updated	Submitted	Nasim, Aneez	ASD	RF	OP							100	Moderate I		2 Readiness Obs. Obsolescence, Mission
2133	S-band Klystron	Submitted	Cours, Alexander	ASD	RF	OP	3/21/2014	4/30/2015						Low Risk		1 Spares Machine Obsolescence and
1073	Network and metal Sector 37 Test Srapet	Draft	Haskay, Kathy	ASD	ADP	OP	10/20/12	1/22/2013						Medium R		3 Machine Enhancements
1273	Network and metal Sector 37 Test Srapet	Draft	Kim, Allen	ASD	ADP	OP	11/16/2012	1/22/2013					100	Medium R		5 Machine Enhancements

XSD Projects

1/16/2015

Project#	Title	Status	Manager	DN	Group	Funding Type	Proposed Start Date	Proposed End Date	FY2012 Req(\$k)	FY2013 Req(\$k)	FY2014 Req(\$k)	FY2015 Req(\$k)	Eff Req(hrs)	Risk	Priority	Category
480	Design and fabrication of remainder of new low-vibration X-PEEM support table on 4-ID-C. (02/21/14)	Provisional Approved	Liang, Jonathan	XSD	MM		11/1/2011	9/30/2012					80	Low Risk	3	Beam Stability
517	Design and fabrication of components to interface Oxygen vacuum furnace with sector 1 MTS, including internal rotation 517 stage	Provisional Approved	Almer, Jon	XSD	MPE		11/1/2011	9/30/2012					160	Low Risk	3	Beamline
2383	Overhead Rail System for 1-ID	Provisional Approved	Almer, Jon	XSD	MPE	CAP	10/22/2014	10/22/2015		75			120	Elevated Risk		IUP Improvements, upgrades
491	Redesign the rotary deposition system to accommodate 4 approved pumps - TO BE REMOVED	Provisional Approved	Aussafq, Laham	XSD	OFT		11/1/2011	9/30/2013					200	Low Risk	3	Beamline
502	Coating interferometer design	Provisional Approved	Aussafq, Laham	XSD	OFT		11/1/2011	9/30/2013					320	Low Risk	3	Beamline
2153	This is a test proposal. Please grant	Provisional Submitted	Zachack, Paul	USR	APS	CAP	11/1/2014	9/30/2015		80			60	Moderate F	5	Core Operations, maintenance, 5 repairs
483	33-ID mirror	Submitted	Liang, Jonathan	XSD	ADM		3/25/2013	9/30/2014		300			1040	Low Risk	10	Beamline, Obs. Obsolescence, Mission
2074	Cryo Cooler replacements	Submitted	Liang, Jonathan	XSD	ADM	OP	3/25/2013	9/30/2014					400	Moderate F	1	Beamline
1533	12 BM mirror upgrade	Submitted	Lee, Sungah	XSD	DET	OP	1/1/2013	9/30/2014			190.3			Elevated R	8	Beamline
538	4 element Vortex	Submitted	Bradford, Robert	XSD	DET	OP	1/1/2013	9/30/2014			115.8			Medium R	8	Beamline
540	100K Flyback	Submitted	Bradford, Robert	XSD	DET	OP	1/1/2013	9/30/2014						Medium R	8	Beamline
510	Install beam position monitor at 32-ID-C beam exit port	Submitted	De Carlo, Francesco	XSD	IMG		1/1/2011	9/30/2012					18	Low Risk	5	Beamline
487	Reposition of the High Speed Imaging instrument in 32-ID-B	Submitted	De Carlo, Francesco	XSD	IMG		1/1/2011	11/30/2012					8	Medium R	9	Beamline
	Design a table extension for the metastable spectrometer in 8-ID-															
488	B	Submitted	Gop, Thomas	XSD	IXN	OP	11/1/2011	9/30/2012					80	Low Risk	8	Beamline
542	Microbunching for RXS (Sector 8)	Submitted	Gop, Thomas	XSD	IXN	OP	11/1/2011	9/30/2012	160				8	Low Risk	8	Beamline
541	Micro Cryo Pump Upgrade CANCELLED	Submitted	Gop, Thomas	XSD	IXN		11/1/2011	9/30/2013					10	Low Risk	9	Beamline
2413	Advanced x-ray optics and instrumentation for next generation light sources	Submitted	Shygalov, Yuri	XSD	IXN	OP	10/23/2014	10/23/2015					1500	Medium R	5	9AD
511	Kinematic mount design for PAD deflector assembly at 2-ID-B	Submitted	Vogt, Stefan	XSD	MC		11/1/2011	9/30/2012					60	Low Risk	5	Beamline
513	Modify an optical table design for 8BM	Submitted	Vogt, Stefan	XSD	MC		11/1/2011	9/30/2012					40	Low Risk	5	Beamline
544	K-B mirror system for 8-BM TO BE REMOVED	Submitted	Vogt, Stefan	XSD	MC		11/1/2011	9/30/2013					120	Low Risk	4	IUP Improvements, upgrades
2333	Conceptual design of curving 2-ID	Submitted	Lak, Barry	XSD	MC		10/15/2014	1/30/2015					560	Low Risk	8	Beamline
1864	Redesign of the 2-ID-D X-ray Fluorescence Microprobe	Submitted	Lak, Barry	XSD	MC		12/1/2014	7/31/2014					80	Medium R	8	Beamline
479	High Energy Monochromator Upgrade (02232)	Submitted	Liang, Jonathan	XSD	MM	CAP	11/1/2011	9/30/2013	10				160	Low Risk	8	Beamline
	Design and fabrication of support structure to mount the new															
460	2TR magnet on the pre-diffractionator in 4-ID-D. (02194)	Submitted	Liang, Jonathan	XSD	MM	CAP	11/1/2011	9/30/2012	25				160	Low Risk	8	Beamline
545	Toroidal Mirror 8-ID-6.2 REMOVED	Submitted	Liang, Jonathan	XSD	MM		11/1/2011	9/30/2012					160	Medium R	9	Beamline
500	Design and commission of High Resolution Detector (02170)	Submitted	Almer, Jon	XSD	MPE		11/1/2011	9/30/2012	110				840	Medium Risk	5	Machine Enhancements
551	Area detector 11-BM	Submitted	Holder, Gregory	XSD	MPE	OP	6/14/2012	6/15/2012					60	Elevated R	10	Scientific Enablers
963	Modular mounting system for refocusing K-B mirrors	Submitted	Aussafq, Laham	XSD	OFT		9/19/2013	10/24/2014					120	Medium R	5	Machine Enhancements
1733	Dual rotary axis modification for rotary deposition system	Submitted	Conley, Roy	XSD	OFT		8/18/2013	9/30/2013	88.8				40	Medium R	9	Beamline
1734	CAD work on new Modular Deposition System	Submitted	Conley, Roy	XSD	OFT		8/18/2013	9/30/2013					40	Medium R	9	Beamline
538	High ventilation and gas handling	Submitted	Heald, Steve M.	XSD	SPC	OP	11/1/2011	9/30/2012					10	Low Risk	3	Beamline
1413	Upgrade	Submitted	Heald, Steve M.	XSD	SPC		3/18/2013	10/1/2013								
11-3B1	Shorten gonimeter-beam working distance on sample	Submitted	Chuppak, Peter J.	XSD	SRS		11/1/2011	9/30/2012					320	Low Risk	5	Beamline
609	Horizontal focusing attachment	Submitted	Chuppak, Peter J.	XSD	SRS		11/1/2011	9/30/2012					320	Low Risk	5	Beamline
548	needed	Submitted	Chuppak, Peter J.	XSD	SRS		11/1/2011	9/30/2012					320	Low Risk	5	Beamline
905	Horizontal Focusing Mirror Assembly, Bending Mechanism, and Support (in-Hatch) for 11-ID-D	Submitted	Chuppak, Peter J.	XSD	SRS		11/1/2011	9/30/2012					320	Low Risk	5	Beamline
514	Toroidal Mirror Support Improvement for 11-ID-D	Submitted	Chuppak, Peter J.	XSD	SRS		11/1/2011	9/30/2012					80	Low Risk	3	Beamline
	Table Base and Frame for 11-ID-D To support K-B mirrors in															
518	D-rutch	Submitted	Chuppak, Peter J.	XSD	SRS		11/1/2011	9/30/2012					80	Low Risk	3	Beamline

XSD Projects

(1/21/2015)

Project#	Title	Status	Manager	Div	Group	Funding Type	Proposed Start Date	Proposed End Date	FY2013 Req(\$)	FY2014 Req(\$)	FY2015 Req(\$)	FY2016 Req(\$)	Req(\$)	Risk	Priority	Category
560	New laser for retrodynemic lenslet (11-ID-C)	Submitted	Bernardi, Chris J.	XSD	SRS	OP	11/1/2011	9/30/2012	80					High Risk		Beamlines
1590	EP-S System & beamline diagnostics at 17-BM	Submitted	Haber, Gregory	XSD	SRS	OP	5/1/2013	9/30/2014						Medium Risk		Beamlines
486	upgrde (02209)	Submitted	Zachack, Paul	XSD	SSM	CAP	11/1/2011	9/30/2012	8					Medium Risk		Beamlines
510	XRM Modification of 2mths arm for extended camera length	Submitted	Zachack, Paul	XSD	SSM	CAP	11/1/2011	9/30/2012	70					High Risk		Beamlines
468	XRM Design support for condenser and mounts (02285)	Submitted	Zachack, Paul	XSD	SSM	CAP	11/1/2011	9/30/2012	78					High Risk		Beamlines
466	Auto-sample changer in vacuum for GXD	Submitted	Wang, Jin	XSD	TRR	OP	10/1/2013	9/30/2014		10				Low Risk		Beamlines
1663	7-BM-A Shielding Changes to Lower Mono Beam Offset	Submitted	Kuznetsov, Alan	XSD	TRR	OP	10/1/2013	12/31/2014						Low Risk		Beamlines
2533	7-ID Low Energy Upgrade	Submitted	Wu, Daniel	XSD	TRR	OP	11/1/2015	9/30/2016						Medium Risk		Beamlines
2466	Cryopump replacements	Draft	Beno, Mark A.	XSD	ADM	OP	11/2015	4/15/2016						Elevated R		Beamlines
2457	Obelisk BLEPS replacements	Draft	Beno, Mark A.	XSD	ADM	OP	10/16/2012	9/30/2013						Elevated R		Beamlines
1693	Revolving Magnet Mirror - 12 5M	Draft	Winters, Randall E.	XSD	CMS	OP	11/2015	9/30/2015						Elevated R		Beamlines
2462	Raman Spectrometer	Draft	Winters, Randall E.	XSD	CMS	OP	11/15/2014	4/1/2015						Elevated R		Beamlines
2463	Revolving and upgrade USAXS to 9-ID	Draft	Inoxy, Jan	XSD	CMS	OP	11/2015	9/30/2015						Elevated R		Beamlines
2463	Xpress3 electronics	Draft	Moore, Matthew D.	XSD	DET	OP	10/16/2012	8/30/2013	170					Medium Risk		Beamlines
1090	High Throughput NRS Chopper	Draft	Alp, Esmail E.	XSD	IXN	OP	10/3/2014	10/9/2015						Medium Risk		Beamlines
2313	light sources	Draft	Shyyko, Yan	XSD	IXN	OP	12/31/2014	12/31/2015						Medium Risk		Beamlines
2513	Fuels	Draft	Finney, Lydia A.	XSD	MIC	OP	12/31/2014	12/31/2015			66			Medium Risk		Beamlines
473	Sub 2/K Stage (02215)	Draft	Liang, Jonathan	XSD	MM	CAP	11/1/2015	10/2/2012						Medium Risk		Beamlines
2464	New focusing mirror for 6-ID-B	Draft	Hosok, Daniel	XSD	MM	OP	11/1/2015	9/30/2015						Medium Risk		Beamlines
2464	S.U.D modifications for 5AXS	Draft	Hosok, Daniel	XSD	MM	OP	11/1/2015	9/30/2015						Medium Risk		Beamlines
1101	Optics for 17BM	Draft	Hosok, Daniel	XSD	MPL	OP	10/1/2013	9/30/2014		120				Elevated R		Beamlines
2465	Resist detector for high energy scattering	Draft	Amer, Jan	XSD	MPE	OP	11/2/2015	9/30/2016						Medium Risk		Beamlines
1013	Reassign and replace the linear stage and mirror holder of the small linear deposition system	Draft	Azouf, Leoben	XSD	OPT	OP	7/3/2012	8/30/2013	180					Medium Risk		Beamlines
2456	Prepare OCR for XDS installation	Draft	Azouf, Leoben	XSD	OPT	OP	11/2015	9/30/2015						Medium Risk		Beamlines
2473	Electronics for rotated NSLS3 detector	Draft	Haid, Steve M.	XSD	SFC	OP	11/2015	9/30/2015						Medium Risk		Beamlines
2473	Support for single event effects in microcircuits	Draft	Haid, Steve M.	XSD	SFC	OP	11/2015	9/30/2015						Medium Risk		Beamlines
2466	20-ID mono upgrade and maintenance	Draft	Haid, Steve M.	XSD	SFC	OP	11/2015	9/30/2015						Medium Risk		Beamlines
2466	20-ID HB mirror system	Draft	Haid, Steve M.	XSD	SFC	OP	11/2015	9/30/2015						Medium Risk		Beamlines
1100	New Detector for 11BM	Draft	Suchowal, Matthew	XSD	SRS	OP	10/1/2013	9/30/2014		300				Elevated R		Beamlines
1103	New Toroidal mirror for 11-ID-D	Draft	Zhang, Xinyi	XSD	SRS	OP	10/1/2013	9/30/2014		70				Elevated R		Beamlines
2460	High throughput instrumentation for 11-ID-B	Draft	Chupas, Peter J.	XSD	SRS	OP	11/2015	5/30/2015						Medium Risk		Beamlines
1102	Arating Pixel Array Framing Drivers	Draft	Karpptova, Evgenia	XSD	SSM	OP	8/1/2012	7/31/2012						Elevated R		Beamlines
943	Second mirror feedback	Draft	Wang, Jin	XSD	TRR	OP	10/1/2013	9/30/2014		100				Elevated Risk		Beamlines
1089	Liquid Surface Scattering Instrument	Draft	Wang, Jin	XSD	TRR	OP	10/1/2013	9/30/2014		300				Medium Risk		Beamlines
874	Overhead Laser Beam Transport System (02196)	Draft	Wang, Jin	XSD	TRR	OP	10/1/2013	1/2/2012	11					Low Risk		Beamlines
2467	XPCS Egler detector	Draft	Sandy, Alec R.	XSD	TRR	CAP	1/1/2015	5/31/2016						Low Risk		Beamlines
2593	test	Draft												Low Risk		Obs Obsolescence, Mission

**Attachment 2 – Grossman 1/21/15 Presentation**

# Proposal System Updates

Presentation to SCB  
1/21/2015

## **Interim Project Proposal Submittal Form and Process**

<http://oradev.aps.anl.gov/apps/bps/bpsmain.html?pid=18810211534505>

### Background:

- Plan is for AIMS to have a database solution for project proposal planning and shutdown planning (web entry form) that allows for easier formation of reports, tracking, etc.
- This is an interim improvement to the process, the hope being that the database solution will be implemented this FY.
- Time needs to be balanced between improving the current system and implementing the new system.
- Updates to process have been discussed with numerous people, including John M., Geoff P., Steve D., Rose T., George S., and are based on many discussions with GL's and others who have used the system.

## Interim Project Proposal Submittal Form and Process

### Updates Summary:

- [Updated submittal page](#) that includes main changes of: **(will show next slide)**
  - Duration of project, Project WBS, Rough effort estimates needed by group
  - Includes "improved" 4x4 risk matrix that has been used already to some extent
- [E-mail process for notifications of status of projects](#) **(will show)**
  - "Formal" division approval is part of the process
- [PDF, CSV, tab reports changes](#) **(will show)**
- Detailed planning done with the planning excel sheet:

Project Information				Request		Approval	
Project Name	Project ID	Project Start Date	Project End Date	Requested	Approved	Requester	Approver
Storage Ring Current Monitor Surgeprotect Signals <td>2553 <td>12/21/2018 <td> <td></td> <td></td> <td></td> <td></td> </td></td></td>	2553 <td>12/21/2018 <td> <td></td> <td></td> <td></td> <td></td> </td></td>	12/21/2018 <td> <td></td> <td></td> <td></td> <td></td> </td>	<td></td> <td></td> <td></td> <td></td>				
Project Description				Project Category		Project Area	
A system to deliver surrogate Storage Ring DCCT and ICT current monitor signals. This is required due to the planned removal of the current spare SDCCT and operational ICT assembly from the SR as part of the reconfiguration of sector 35 for a second scraper. The surrogate ICT signals will permanently replace the current ICT signals, which is used for operations and diagnostics as an "injection diagnostic". The surrogate DCCT signals will act as a spare DCCT for safe-to-safety requirements of the Machine Protection Systems of an administrative beamline at the SR DCCT safe.				Accelerator		Accelerator	
Risk Statement: If ... (If the SR DCCT fails, the SR will be down for 1 week or more and the sector 35 arches is removed and the spare SDCCT can be re-installed. There is no spare of the sector 35 DCCT (total preliminary, + EDA).				Probability: Low		Consequence: Critical	
Risk Statement: If ... (If the SR DCCT fails, the SR will be down for 1 week or more and the sector 35 arches is removed and the spare SDCCT can be re-installed. There is no spare of the sector 35 DCCT (total preliminary, + EDA).				Risk: Low-Moderate			

### Updated Submittal Page when you click:

Use All Headers
[Add Proposal](#)

Proposal
Division Approval
APS Approval

10/26/2018 7:41 am required fields. Do not fill in required fields. Please see help/links to get further clarification or click on [Click on ?](#) to add comments

Phase 1: Proposal

Project Number: 2553

Project Status: Submitted

Project Task Code:

Level 1:

Level 2:

Level 3:

Project Title: Storage Ring Current Monitor Surgeprotect Signals

Project Requester: Emily, Luke    Project Category: Core: Operations, Maintenance, Repair    Date Modified: 12/21/2018

Project Manager: Klaus, Robert    Project Area: Accelerator    Estimated Project Duration (years): 1

Project Description: A system to deliver surrogate Storage Ring DCCT and ICT current monitor signals. This is required due to the planned removal of the current spare SDCCT and operational ICT assembly from the SR as part of the reconfiguration of sector 35 for a second scraper. The surrogate ICT signals will permanently replace the current ICT signals, which is used for operations and diagnostics as an "injection diagnostic". The surrogate DCCT signals will act as a spare DCCT for safe-to-safety requirements of the Machine Protection Systems of an administrative beamline at the SR DCCT safe.

Link to Additional Information:

40262/PROBABILITY: Enter an "L", then a "2" statement for what is the risk (probability) and consequence you are trying to mitigate (mitigate) with this project. Probability is the likelihood of the event/consequence occurring, for example: If a component fails (is improved), then we will be down for 3 days (repairing it will run at higher efficiency). PROBABLY allow another level of input. Requesters are encouraged to enter their priority (dependent with a comment in the Division Header box).

Risk Statement: If ... (If the SR DCCT fails, the SR will be down for 1 week or more and the sector 35 arches is removed and the spare SDCCT can be re-installed. There is no spare of the sector 35 DCCT (total preliminary, + EDA).

Risk Consequence: Small (1)    Probability: Low    Division Priority: 1

Cost Consequence: Significant (2)    Consequence: Critical    APS Priority: 1

Roster/Schedule Consequence: Critical (4)    Risk: Low-Moderate    APS Priority: 1

Click for Project Review

Total Effort (hrs): 333    Level of uncertainty (%): 30

Total Non-Effort (hrs): 20    Require: Shutdown

Total (hrs): 353    Number of Units: 1

Number Reflection: 1

Comments:

APR 17 11:41 AM

Project Number: 2553

Project Status: Submitted

Project Title: Storage Ring Current Monitor Surgeprotect Signals

Select a Decision

Approve

Deny

Comments:  [Save/send e-mail](#)

## E-mails

- For all e-mails, “division” is the project area and the e-mails go as below
  - Facility: [srajer@aps.anl.gov](mailto:srajer@aps.anl.gov); [jfm@aps.anl.gov](mailto:jfm@aps.anl.gov); [rej@aps.anl.gov](mailto:rej@aps.anl.gov)
  - Accelerator: [azholents@anl.gov](mailto:azholents@anl.gov); [borland@aps.anl.gov](mailto:borland@aps.anl.gov); [lichty@aps.anl.gov](mailto:lichty@aps.anl.gov)
  - Beamline: [beno@anl.gov](mailto:beno@anl.gov); [young@anl.gov](mailto:young@anl.gov); [ctrattner@anl.gov](mailto:ctrattner@anl.gov)
  - Research and Future Concepts (R&FC): [srajer@aps.anl.gov](mailto:srajer@aps.anl.gov); [jfm@aps.anl.gov](mailto:jfm@aps.anl.gov); [azholents@anl.gov](mailto:azholents@anl.gov); [young@anl.gov](mailto:young@anl.gov)
- SCB/APS is presently an SCB mailing list with SCB, Rose, Nancy and Connie on it.

Page	Action Options	Proposal Status	email	Email TO	Email CC
Data	Save	Draft	none	No	No
Entry Page	Submit	Submitted	1	Division	Requestor, PM, APS/SCB
	Submit - Urgent	Submitted - Urgent	2	Division	Requestor, PM, APS/SCB, AIMS
Division tab	Deny	Denied	3	Requestor, PM, APS/SCB	Division
	Approve	Division Approved	3	Requestor, PM, APS/SCB	Division
APS tab	Deny	Denied	4	Requestor, PM	Division, APS/SCB
	Detailed Plan	Detailed Planning	4	Requestor, PM	Division, APS/SCB
	Provisional Approve	Provisional Approved	4	Requestor, PM	Division, APS/SCB
	Approve Start	Approved - Start	4	Requestor, PM	Division, APS/SCB
	Complete	Completed	4	Requestor, PM	Division, APS/SCB

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## E-mails

- For all e-mails, “division” is the project area and the e-mails go as below
  - Facility: [srajer@aps.anl.gov](mailto:srajer@aps.anl.gov); [jfm@aps.anl.gov](mailto:jfm@aps.anl.gov); [rej@aps.anl.gov](mailto:rej@aps.anl.gov)
  - Accelerator: [azholents@anl.gov](mailto:azholents@anl.gov); [borland@aps.anl.gov](mailto:borland@aps.anl.gov); [lichty@aps.anl.gov](mailto:lichty@aps.anl.gov)
  - Beamline: [beno@anl.gov](mailto:beno@anl.gov); [young@anl.gov](mailto:young@anl.gov); [ctrattner@anl.gov](mailto:ctrattner@anl.gov)
  - Research and Future Concepts (R&FC): [srajer@aps.anl.gov](mailto:srajer@aps.anl.gov); [jfm@aps.anl.gov](mailto:jfm@aps.anl.gov); [azholents@anl.gov](mailto:azholents@anl.gov); [young@anl.gov](mailto:young@anl.gov)
- SCB/APS is presently an SCB mailing list with SCB, Rose, Nancy and Connie on it.
- E-mail only goes to division project is submitted in (WBS area)
- Working out text of e-mails. 4 different e-mails:
  1. Submitted
  2. Urgent Submit
  3. Division – approve or deny
  4. SCB – deny, detailed planning, provisional approval, approve, complete

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Implementation Team Meeting

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### PDF, CSV, Etc. Impacts

- All Active Proposals  
 Page: [https://beam.aps.anl.gov/apps/bps/bpsmain.html?p\\_pid=194849121545720](https://beam.aps.anl.gov/apps/bps/bpsmain.html?p_pid=194849121545720)  
 - Remove fund type, add M&S (main changes)

Now	Prop No	Proposal Title	Status	Prop. Manager	Division	Group	Start Date	End Date	AP(K\$)	OP(K\$)	CAP(K\$)	Eff.(Hrs.)	Risk	Priority	Category	edit	pdf	delete	approve
Proposed	Projec I#	Task Code	Title	Status	Area	Category	Requestor	Req.Div	Group	Manager	Priority	Needby Date	Duration (years)	FTE Effort (hrs)	M&S (K\$)	edit		delete	

- Export all submittal data if possible to excel: Export CSV file (on page, top right hand corner, makes excel sheet of everything).  
 - Will get effort detail here instead of Effort Proposal tab
- Remove (looking to minimize effort and not clear these are used much or even accurate):
  - PDF option (can do a screenshot of the proposal or extract to CSV)
  - Effort Proposals Page have all effort and M&S data and request (main changes) [https://beam.aps.anl.gov/apps/bps/bpsmain.html?p\\_pid=194849121545720](https://beam.aps.anl.gov/apps/bps/bpsmain.html?p_pid=194849121545720)
  - Special Proposals  
 Page: [http://oradev.aps.anl.gov/apps/bps/bpsmain.html?p\\_pid=158085121541880](http://oradev.aps.anl.gov/apps/bps/bpsmain.html?p_pid=158085121541880)
  - Priority Proposal  
 Page: [http://oradev.aps.anl.gov/apps/bps/bpsmain.html?p\\_pid=158085121541880](http://oradev.aps.anl.gov/apps/bps/bpsmain.html?p_pid=158085121541880)



### Attachment 3 – Pile Draft Project Roles and Responsibilities

#### LARGE PROJECT ROLES & RESPONSIBILITIES

**ALD:** periodically review the proposed projects list and approves the allocation of funds and resources to (usually a subset of) those proposed projects

**Service Coordination Board:** (SCB) exists to ensure that APS resources are assigned to the highest priority projects. It has members from each APS division and from the APS Upgrade. Projects are only given final approval to proceed if sufficient resources are available. The SCB monitors on-going projects and tracks progress.

**Project Sponsor:** Initiates, authorises the use of divisional funds and owns the project, is accountable to the ALD for its success and is the key decision maker. This could be a **Deputy ALD, Divisional Director** or his/her **Associate Division Director**. Responsible for reviewing that plans have the appropriate level of detail – i.e. milestones for safety, design and installation readiness reviews.

**Project Manager:** accountable to the Project Sponsor, and is responsible for the planning, execution and closure of the project.

**Team Manager(s):** reports and takes direction from the Project Manager and is responsible for planning and delivery of all or a subset of the project's products.

**Project Support:** reports and takes direction from the Project Manager and is responsible for providing planning support and administrative support.

**Team:** Executes project, takes direction from team manager and higher level management.

**User:** responsible for the specifying the needs of the users of the project's products and monitoring their quality, functionality and ease of use.

**Supplier:** represents the interests of those developing, procuring and implementing the project's products.

→  
This guy is usually the one that runs out a project plan

This is a stab at defining responsibilities

GedH- →