

NSLS II Town Meeting

December 11, 2018

User Science; Well Planned?

Injuries

FY 19

2019 NSLS II

No Recordables

First aid

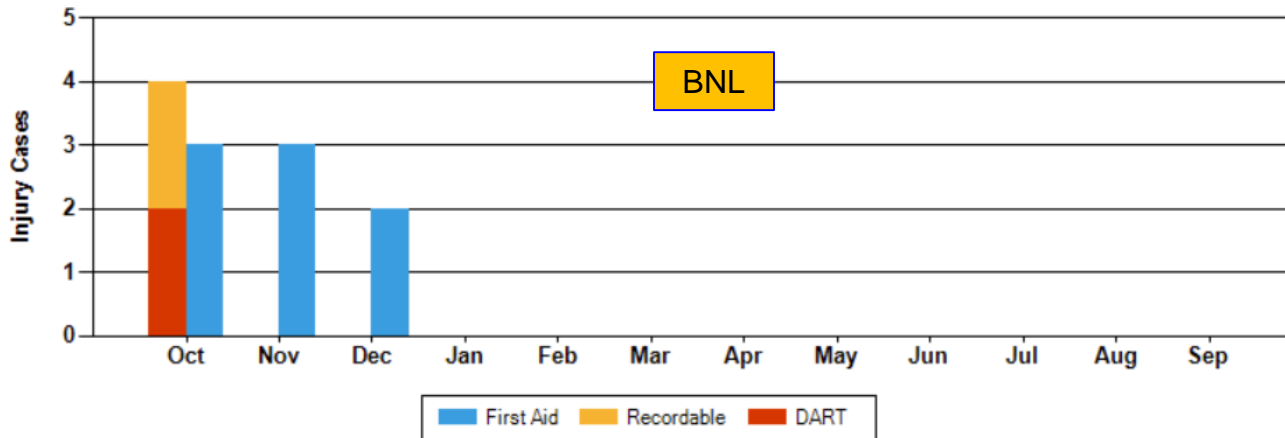
- Head bump
- Bee sting

2018 NSLS II
2 Recordable (2 DART)
2 First Aid

2017 NSLS II
5 Recordable (2 DART)
3 First Aid

2016 NSLS II
1 First Aid

Fiscal Year 2019 Injury Cases



YTD Cases	Rates
2	0.47
4	0.93
8	N/A

DART:

Recordable:

First Aid:

Total Injuries:

Rates As Of:

12

November 2018

BNL DARTs

Falls:

Shoulder
Ankle

NSLS II Events; FY 2019

Title	Date
User handles samples without appropriate dosimetry	10/04/2019
Temporary shielding found to be misaligned	10/24/2018



BNL focus: Electrical Safety

- Electrical Equipment Inspection program emphasis
- Revised SBMS Subject Area
 - Technical changes (Limited and Restricted Approach Boundaries ...)
 - Job Safety Plans / Job briefing
 - Lock Out / Tag Out requirements
- In-person training for many
 - Advanced Basic
 - Qualified Electrical Worker 1, 2, 3 & 4

Users

- Electrical equipment shutdown procedure
 - Possible stored energy? – Complete template and work with NSLS II Electrical Engineering to determine how best to proceed (power input; discharge time)
- GFCIs on all Variacs

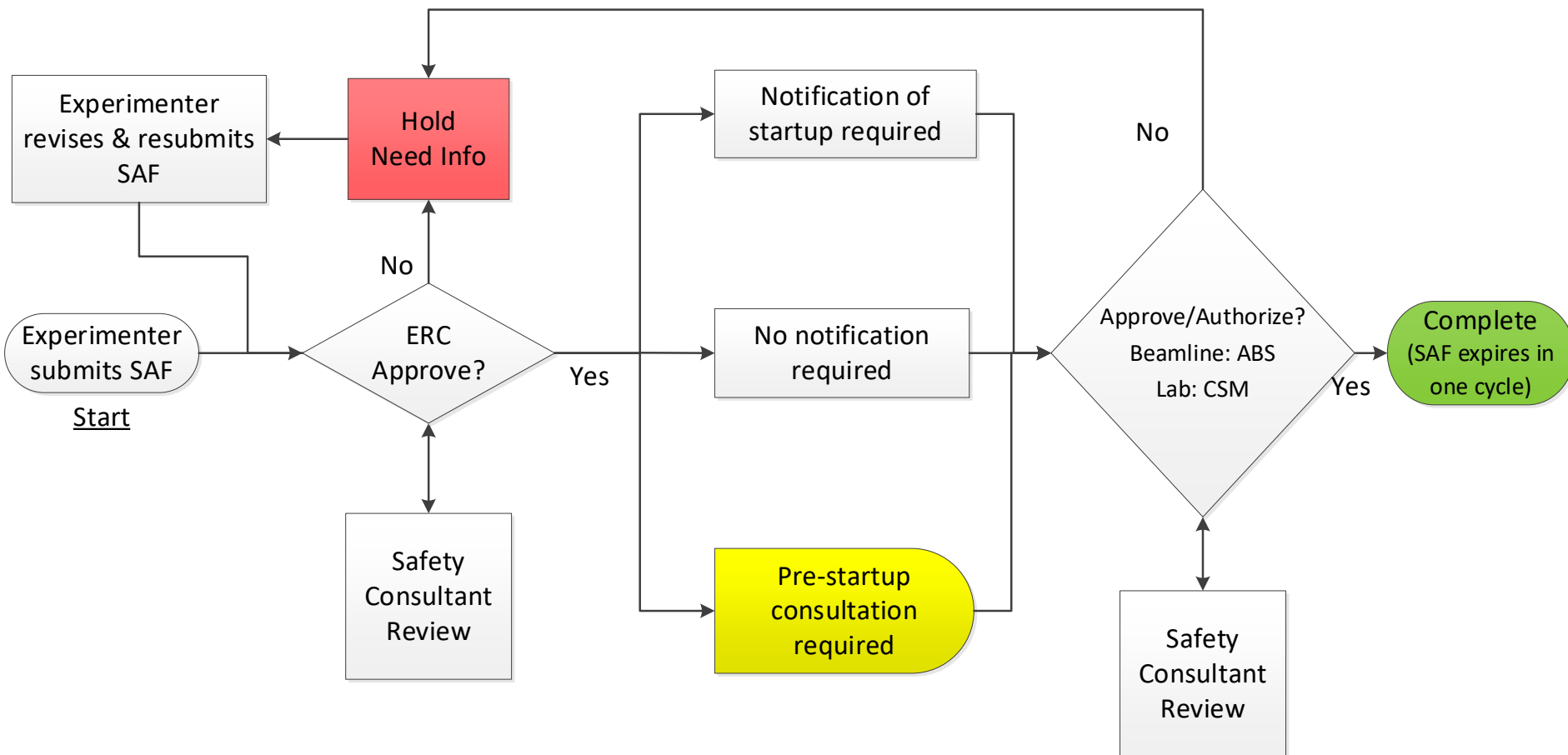
User Science Work Planning

User Science Work Planning

- Experiment safety is an obvious User priority
- No significant NSLS II User experiment event/injury history
- Program intent: Think about experiment risks and determine need controls.
- Safety Approval Form (SAF) completion and approval is important, BUT the SAF is just a tool to support **Planning**
- We are not always following the process
 - Late submission (stresses resources; changes from planning to justifying)
 - Incomplete SAFs (need more time to gather information)
 - Notification (drives Experiment Review Coordinator involvement)
 - Lead Experimenter (present; coordinates the User Team)

Process Flow: **Safety Approval Form Approve & Authorize**

Standard SAF

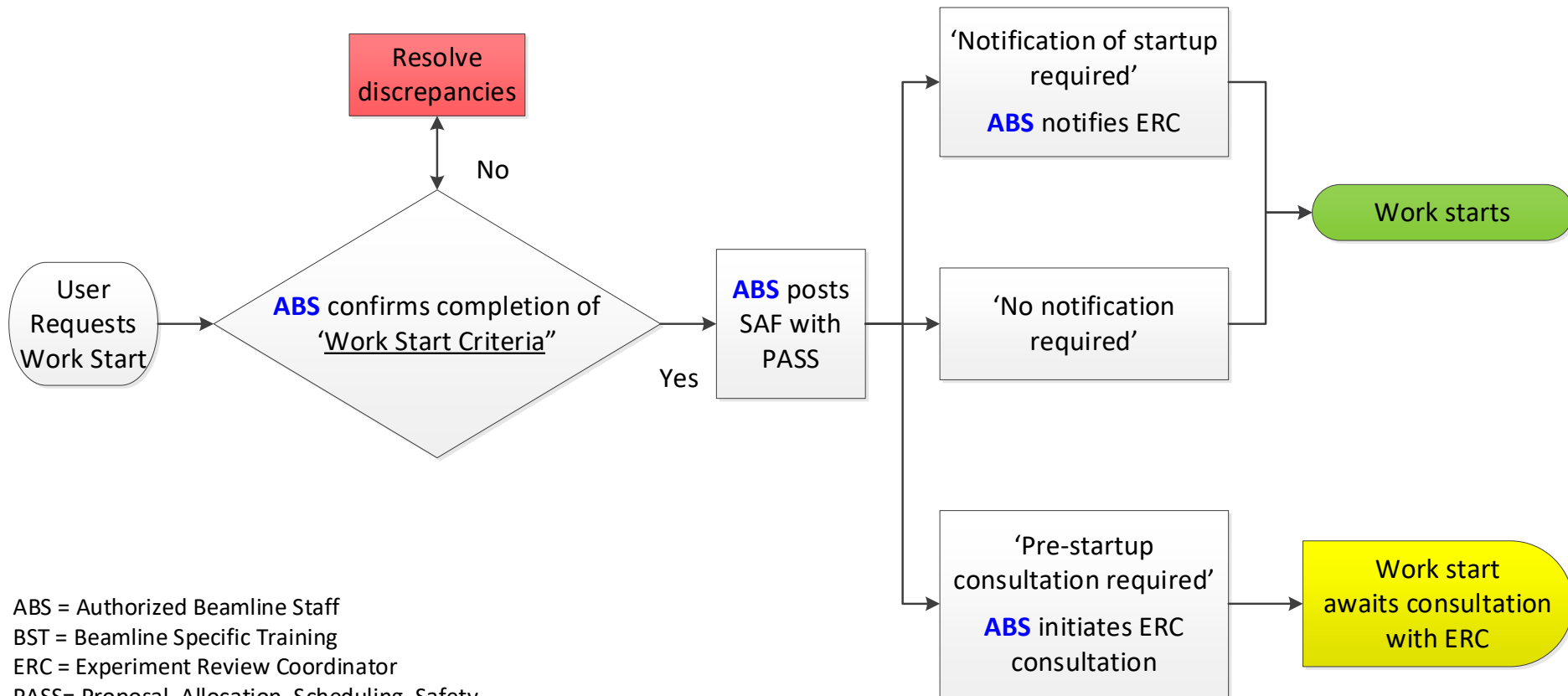


ABS = Authorized Beamline Staff
CSM = Cognizant Space Manager
ERC = Experiment Review Coordinator
PSD = Photon Science Division
SAF = Safety Approval Form

Process Flow: **Beamline Work Start**

Work Start Criteria

- User PASS registration
- User BST complete
- Lead Experimenter present
- SAF approved & authorized in PASS
- SAF controls reviewed & implemented; task specific
- Review envelope criteria with Users



ABS = Authorized Beamline Staff
BST = Beamline Specific Training
ERC = Experiment Review Coordinator
PASS= Proposal, Allocation, Scheduling, Safety
SAF = Safety Approval Form

PASS -- Posting SAFs; Notification Required

PASS Admin

Proposals, Allocation, Safety, Scheduling

Home

Search

Proposals

SAFs






















Configuration

Post SAFs

SAF ID

User Facility: NSLS-II

Resource: Beamline 3-ID

	Notificati... Performed	SAF ID	SAF Type	Status	Proposal Title	PI	Startup Notificati... Required	Pre-Startup Consultati... Required	
Post		302945	Standard	Approved	Test Test	Gladys McKenzie			  
Post	✓	303814	Standard	Approved	NSLS2 GU 20160614 Publish Test	Stephen Giordano		✓	  
Post		304681	Standard	Approved	John Test	Jonathan Franco	✓		  
Post							✓		  
Post							✓		  
Post							✓		  
Post							✓		  

Post SAF ID: 304681

Confirm here that you have notified the Experiment Review Coordinator that the SAF is being posted and that the experiment is beginning.

Notification Performed

User Science: ESH Review

Personnel Responsibilities

- **User**

- Plan for risk management
- Recognize, evaluate & control
- Work with NSLS II ERCs and ABS to determine requirements
- Work within scope; adhere to the plan

- **Experiment Review Coordinator (ERC)**

- Complete ESH review; approve
- Work with Users to determine requirements
- Coordinate resources

- **Lead experimenter**

- Coordinate with the User team
- Assure that requirements are met

- **Authorized Beamline Staff**

- Review SAFs: authorize; location specific
- Coordinate with Users
- Authorize **work** start
- Notification
- Operations oversight

SAFs

- Planning tool
- Collect information
- Basis for approve
- Multiple participants
- Two weeks advance
- **Help the ERCs!!**

END