Accelerator Readiness Review Determination

This Form will be used to determine what level of review is needed for a given new/change in activity, using the flowchart on page 4 for guidance.

Title:	Date:	
Scope		
'		
	ide full descriptions. Discuss if something is considered significant or not.	
Does the activity involve operations of an		
accelerator, OR only support functions?		
If the activity involves operations of an		
accelerator, is the accelerator considered		
"equivalent" or "exempt" as defined in DOE O		
420.2D §3.c? (i.e., managed as an RGD)		
Is this activity (i.e., support function, accelerator, RDG, etc.) new or existing?		
accelerator, RDG, etc., flew or existing:		
If the activity is existing accelerator operations,		
is this resuming previous operations, OR a new		
module/mode of operations?		
What changes/modifications have been made?		
(i.e., equipment, shielding, interlocks, controls, operations, hazards, procedures, etc.)		
How long has it been since the accelerator		
operated in this area?		
Since the last time beam was operated, have		
there been any significant change in personnel? (For accelerator operations.) (i.e., Operators, RSO, DSO, Beamline		
Physicists, Machine Department, etc.)		

Revi	ew Level				
	☐ ARR ^{1,3}	☐ Primarily external review committee	☐ Primarily internal review committee		
	☐ IRR ^{1,3}	☐ Primarily external review committee	☐ Primarily internal review committee		
	☐ ORC(s) ^{2,3}	☐ Internal reviewers	☐ Include external reviewer(s)/SME(s)		
\square None ³ ¹ Use Fermilab Accelerator Readiness Review (ARR) Plan to plan & facilitate review, and obtain approval to begin operations ² For activities that do not require an ARR, the ORC process and tool may be used to document both reviews of individual					

Review Elements

ARRs should include all elements as required in DOE O 420.2D Section 4.b and associated CRD. For IRRs, justification should be provided for elements not included.

ELEMENTS FROM DOE O 420.2D &	JUSTIFICATION FOR ELEMENTS NOT INCLUDED
ASSOCIATED CRD	LIMITED SCOPE ARRS
An approved accelerator safety envelope (ASE)	
A safety assessment document (SAD)	
Clearly defined roles and responsibilities for	
accelerator activities, including those for training and procedures	
An unreviewed safety issue (USI) Process	
An accelerator readiness review (ARR) program that ensures facilities are adequately prepared for safe commissioning and operations	
A current listing/inventory of accelerators under DOE O 420.2D and exemptions or equivalencies granted in accordance with DOE O 420.2D	
A Contractor Assurance System that maintains an internal assessment process	
A Facility Configuration Management Program that is related to accelerator safety	
Credited Controls and appropriate administrative processes related to accelerator safety (e.g., training, procedures, etc.)	

equipment/subsystems as well as "full system" reviews.

³ For any new/restart activity involving accelerator beam, the Start-Up Sign-Off (SUSO) process described in ADAP-11-0001, Beam Permit, Running Condition and Startup, will be followed before beam operations.

Additional elements listed below should be considered for all levels of review. Indicate which elements will be included in the review.

		ADDITIONAL ELEMENTS TO CONS	IDER	
	Scope of activities (i.e., beam	operation, experiments, support	work, etc.)	
	Commissioning and Operations plan(s)			
	Standard Operating Procedur	dard Operating Procedures (SOPs) (e.g., for equipment use, etc.)		
	Equipment and/or subsystem ORC(s)			
	Administrative controls (i.e., building access, training/qualifications requirements, etc.)			
	Personnel (i.e., roles and responsibilities, training & qualification program, etc.)			
	Other:			
	Other:			
and A (CSO) (i.e.,	Activity Owner and approved be considered by Determinations should be considered or Project Owner, etc.)		ce (SRSO) & Chief Safety Officer Office (FSO) and other stakeholders	
	ermined By SH Accel. Safety Dept. Head	Activity Owner		
	rovals orate ALD or Division Director	Senior Radiation Safety Officer (SRSO)	Chief Safety Officer (CSO)	

Determination Guidance Flowchart

