

A detailed wireframe model of a particle accelerator, likely the FAIR (Facility for Antiproton and Ion Research) project. The model shows a complex arrangement of circular and linear sections, representing the path of the particle beam. The central part of the model is a large, oval-shaped ring, while other sections are more intricate and interconnected.

GSI ACC Request to Project Resource Process

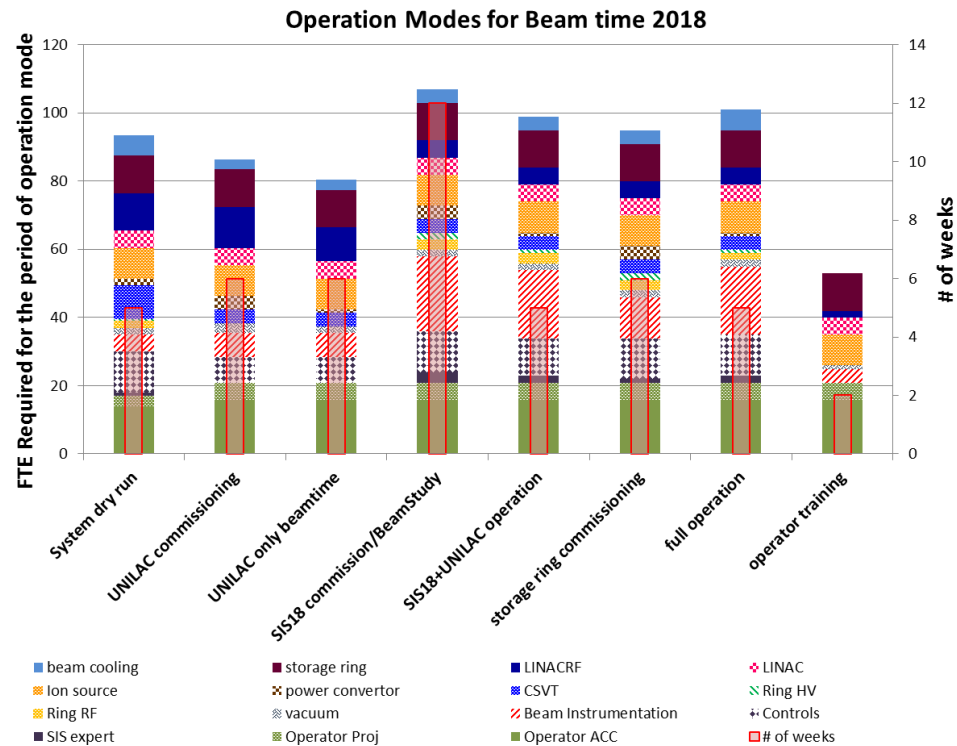
GSI ACC

Based on discussion between ACC and FAIR PMO

- To show GSI ACC request to the Project resource for
 - Routine Operation:
 - beam time for research program, as well as required commissioning and machine developments
 - Maintenance activities during shutdown period, i.e. between beam time

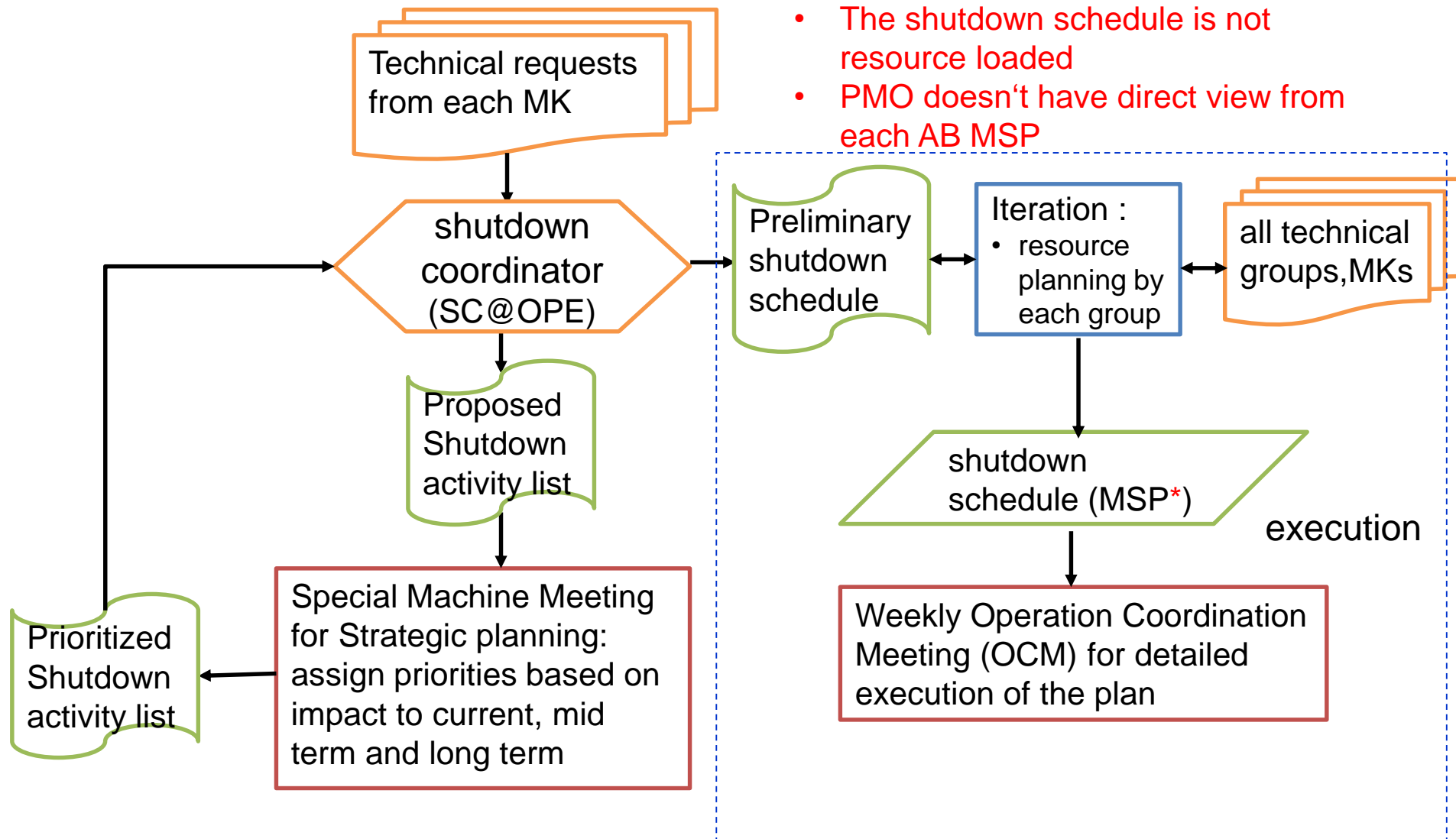
- Acc. Improvement Project (AIP): Upgrade/Improvement measures

- Beam time that are required
 - for the implementation of FAIR
 - Specification of FAIR systems and components, such as instrumentation
 - for the operation performance improvement

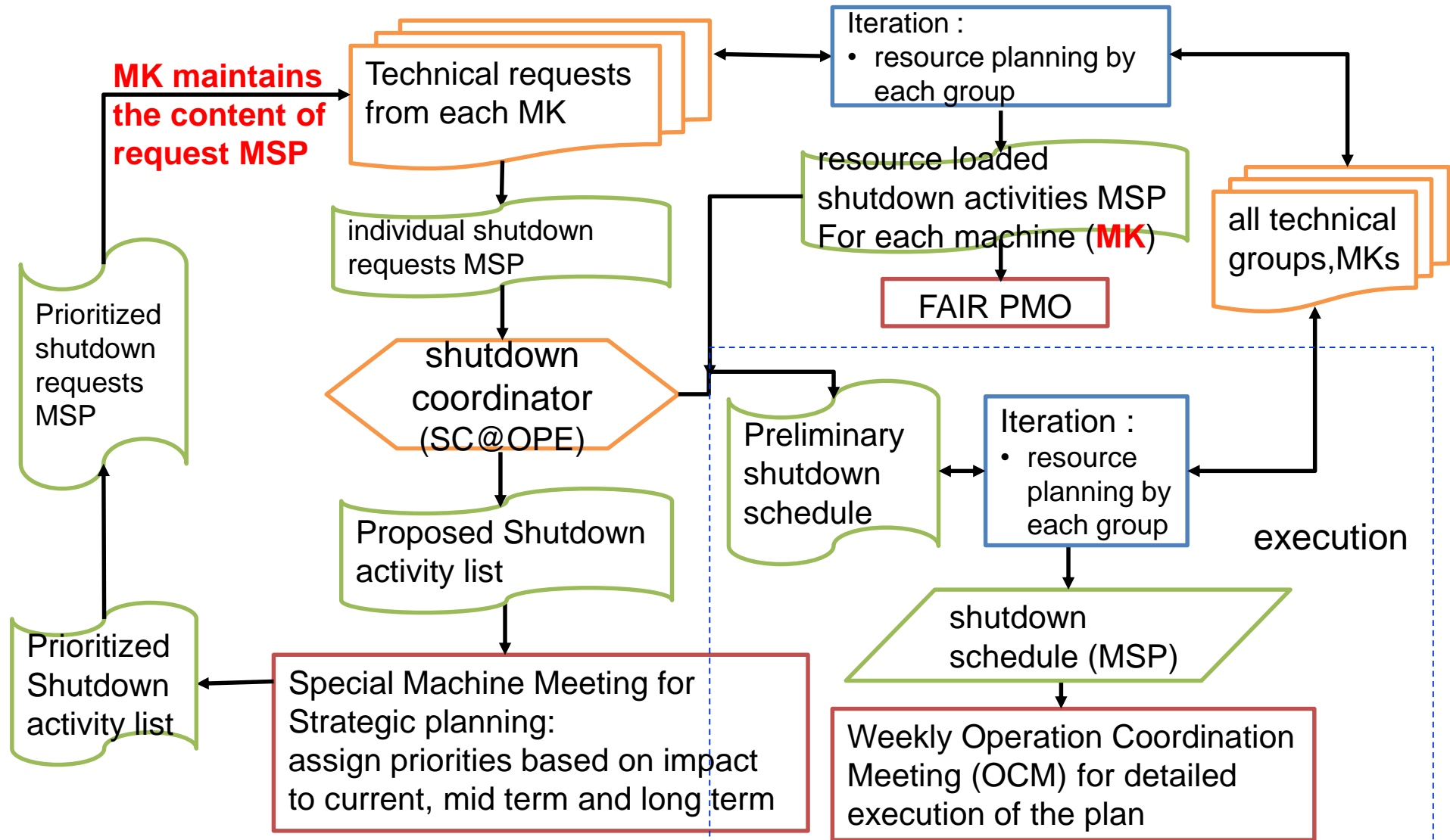


Current GSI ACC shutdown activity planning process

- The shutdown schedule is not resource loaded
- PMO doesn't have direct view from each AB MSP



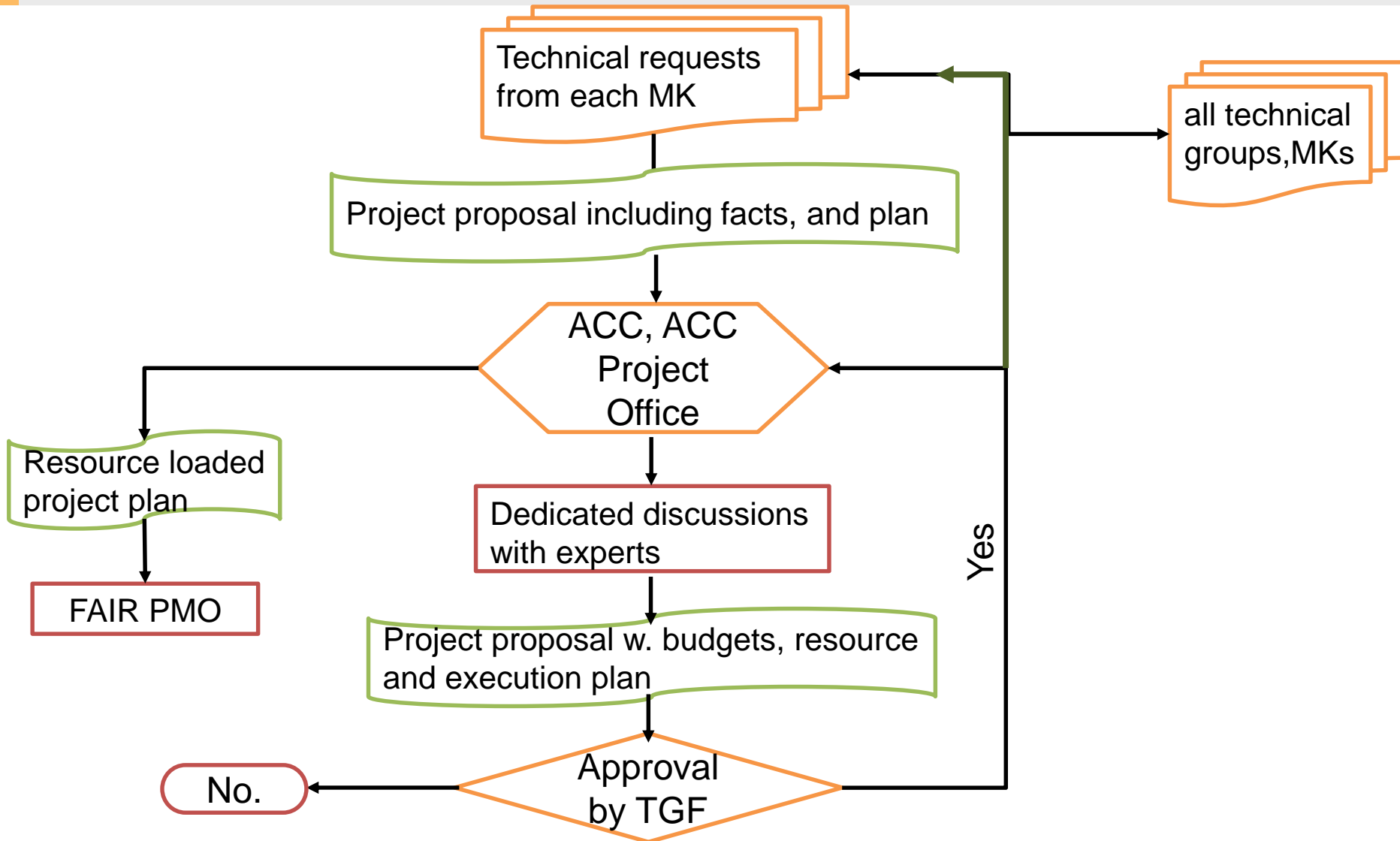
Proposal for shutdown planning process



Template Proposal for Machine Plans

	 Activity Code ▾	Vorgangsname ▾	Dauer ▾	Arbeitsaufwand ▾	Anfang ▾	Ende ▾	Ressourcenn
1		▸ <MACHINE>	1 Tag?	0 Std.	Mit 26.06.19	Mit 26.06.19	
2		regular shutdown & maintainance (generic)	1 Tag?	0 Std.	Mit 26.06.19	Mit 26.06.19	
3		▸ request based shutdown work	1 Tag?	0 Std.	Mit 26.06.19	Mit 26.06.19	
4		▸ major repairs	1 Tag?	0 Std.	Mit 26.06.19	Mit 26.06.19	
5		task 1	1 Tag?	0 Std.	Mit 26.06.19	Mit 26.06.19	
6		task 2	1 Tag?	0 Std.	Mit 26.06.19	Mit 26.06.19	
7		▸ preparation for Accelerator Improvement Project (AIP)	1 Tag?	0 Std.	Mit 26.06.19	Mit 26.06.19	
8		Project 1	1 Tag?	0 Std.	Mit 26.06.19	Mit 26.06.19	
9		Project 2	1 Tag?	0 Std.	Mit 26.06.19	Mit 26.06.19	
10		▸ preparation for a specific experiment	1 Tag?	0 Std.	Mit 26.06.19	Mit 26.06.19	
11		Exp. Prep. 1	1 Tag?	0 Std.	Mit 26.06.19	Mit 26.06.19	
12		Exp. Prep. 2	1 Tag?	0 Std.	Mit 26.06.19	Mit 26.06.19	
13		▸ major commissioning tasks	1 Tag?	0 Std.	Mit 26.06.19	Mit 26.06.19	
14		task 1	1 Tag?	0 Std.	Mit 26.06.19	Mit 26.06.19	
15		task 2	1 Tag?	0 Std.	Mit 26.06.19	Mit 26.06.19	

GSI ACC AIP request process



- It is important to make sure FAIR PMO has an overview of non FAIR activity requests on FAIR resources
 - Data collected, and are available
- Proposed process here should be available to reach the goal without compromising ongoing process, i.e. prioritization, shutdown coordination, etc, and also to avoid double counting
 - Key ingredient: automatic sync of the MSP plan for FAIR PMO with the shutdown master schedule
- For routine operation, propose to take the collected data (slide 4) as a default input for all relevant project AB resource planning based on the GSI yearly operations plan (MSP) as the base
- To be further clarified
 - How to represent already collected data?
 - empowerment of MK w.r.t the project technical group
 - „what we plan is none of you business“, lack of response, ...
 - Granularities of the various MSP for FAIR PMO
 - Technical: all details into each component of each machine, or task based?
 - time frame: details to days, or to a week, a month?