

Supplier Status Report



4th BINP-FAIR Collaboration Coordination Workshop

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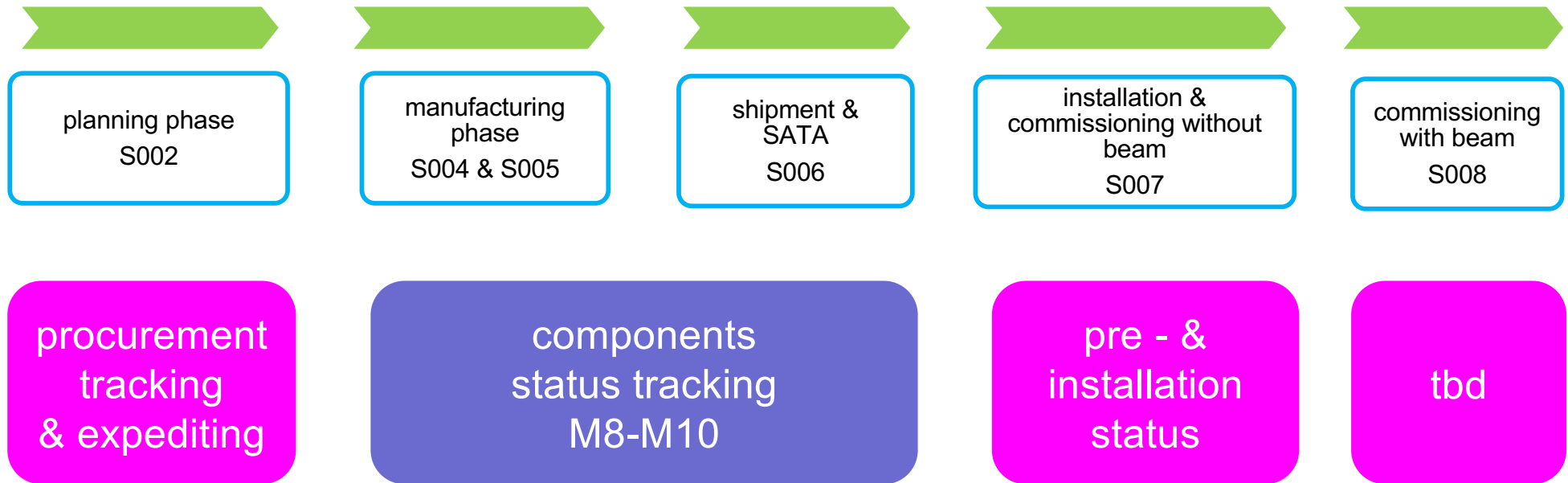
n.oepen @ gsi.de

26.05.2020



- I. Project steering & tracking process overview (N. Winters)
- II. Monthly supplier status report (N. Oepen)

FAIR Project steering & tracking process overview



reporting data bank for planning = MS Project

Input for reporting:

- progress reporting, s-curve
- critical path analysis
- project forecast
- resource planning
- cost planning

Input for logistics and installation:

- coordination of the delivery/storage
- coordination of pre-installation and installation



Components status tracking M8-M10



manufacturing
phase

S004 & S005

shipment &
SATA

S006

components status tracking M8-M10

- *monthly*
- **supplier status report**

reason & aim

A realistic status & planning is very important to steer and update:

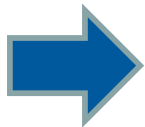
- Planning of logistics
- Integration & pre-assembly
- Installation
- Payment & outflow planning

FAIR receives monthly status reports from every supplier, contractual obligation of each partner

BINP components at FAIR

BINP is involved in:

- CR
- Super-FRS
- pbar
- HEBT
- CBM
- PANDA



Almost the entire southern part of the facility

Monthly status report according FAIR standards from BINP is required!



I. Project steering & tracking process overview (N. Winters)

 II. Monthly supplier status report (N. Oepen)

Supplier Status Report



example HEBT Vacuum

FAIR Steps for the monthly Status Report of HEBT Vacuum Chambers (Batch 2&3)		
	Update the "Actual status Vacuum Chambers" sheet.	To be filled in free text form.
	Update the blue fields in the "Vacuum Chamber Dashboards" sheet.	Update the schedule and dashboard status 1; 2; 3 (see Legend).
	Send the filled Excel file back to FAIR contact person.	

* Report has to be updated at least once per month.

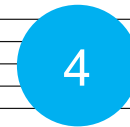
Monthly report	HEBT Vacuum Chambers (Batch 2&3)		
Report period	Nov 19	Date:	xx.11.2019

Company: FAIR GmbH Planckstraße, 1 64291 Darmstadt	Provider: Budker Institute of Nuclear Physics SB RAS Lavrentieva 11, Novosibirsk Novosibirskaya oblast 630090 Russia
Contact person: Lukas Urban	Contact person: Alexandr Krasnov

HEBT Vacuum Chambers (Batch 2&3)	
Contract:	CC 2.3.7.1.2.3.2 as AFAA2 to CC2.4.2.1.1.2
PSP:	2.3.7.x



Legend	
	not necessary
0	not started
1	planned
2	in process
3	ready



Drawings Magnet + Vacuum Chamber	CID	DMU Drawing no.	Drawing no. Supplier	Contracted FAT date [target date]	Contracted Delivery date [target date]	Forecast FAT date [actual date]	Forecast by supplier delivery date [actual date]	Design		Purchase		
								3D/CDR	2D/FDR	Flanges	sheets	others
FT-BEMH-ZU-0000065	07-00001-065-7	FT-BEMH-ZU-0000063	FHTV MH065 0000AS_A	Aug 20	Nov 20			0	0	0	0	0
FT-BEMH-ZU-0000065	07-00001-066-4	FT-BEMH-ZU-0000063	FHTV MH065 0000AS_A	Aug 20	Nov 20			0	0	0	0	0
FT-BEMH-ZU-0000065	07-00001-067-1	FT-BEMH-ZU-0000063	FHTV MH065 0000AS_A	Aug 20	Nov 20			0	0	0	0	0
FT-BEMH-ZU-0000160	07-00001-064-0	FT-BEMH-ZU-0000063	FHTV MH065 0000AS_A	Aug 20	Nov 20			0	0	0	0	0
FT-BEMV-ZU-0000034	07-00001-073-2	FT-BEMV-ZU-0000033	FHTV MV034 0000AS_A	Aug 20	Nov 20			0	0	0	0	0
FT-BEMV-ZU-0000068	07-00001-074-9	FT-BEMV-ZU-0000069	FHTV MV068 0000AS_A	Aug 20	Nov 20			0	0	0	0	0
FT-BEMH-ZU-0000055	07-00001-262-0	FT-BEMH-ZU-0000050	FHTV MH055 0000AS_A	Dez 19	Mrz 20		Mrz 20	3	3	3	3	0
FT-BEMH-ZU-0000055	07-00001-263-7	FT-BEMH-ZU-0000050	FHTV MH055 0000AS_A	Dez 19	Mrz 20		Mrz 20	3	3	3	3	0
FT-BEMH-ZU-0000143	07-00001-264-4	FT-BEMH-ZU-0000050	FHTV MH055 0000AS_A	Dez 19	Mrz 20		Mrz 20	3	3	3	3	0
FT-BEMH-ZU-0000143	07-00001-336-8	FT-BEMH-ZU-0000050	FHTV MH055 0000AS_A	Dez 19	Mrz 20		Mrz 20	3	3	3	3	0
FT-BEMH-ZU-0000143	07-00001-337-5	FT-BEMH-ZU-0000050	FHTV MH055 0000AS_A	Dez 19	Mrz 20		Mrz 20	3	3	3	1	0
FT-BEMH-ZU-0000001	07-00001-059-6	FT-BEMH-ZU-0000005	FHTV MH001 0000AS_A	Dez 19	Mrz 20		Mrz 20	3	2	3	3	0
FT-BEMH-ZU-0000001	07-00001-060-2	FT-BEMH-ZU-0000005	FHTV MH001 0000AS_A	Dez 19	Mrz 20		Mrz 20	3	2	3	3	0
FT-BEMH-ZU-0000038	07-00001-058-9	FT-BEMH-ZU-0000005	FHTV MH001 0000AS_A	Dez 19	Mrz 20		Mrz 20	3	2	3	3	0
FT-BEMH-ZU-0000074	07-00001-068-8	FT-BEMH-ZU-0000073	FHTV MH074 0000AS_A	Dez 19	Mrz 20		Mrz 20	3	2	3	1	0
FT-BEMH-ZU-0000022	07-00001-063-3	FT-BEMH-ZU-0000020	FHTV MH022 0000AS_A	Dez 19	Mrz 20		Mrz 20	3	2	3	3	0
FT-BEMH-ZU-0000013	07-00001-061-9	FT-BEMH-ZU-0000011	FHTV MH013 0000AS_A	Dez 19	Mrz 20		Mrz 20	3	2	3	1	0
FT-BEMH-ZU-0000018	07-00001-062-6	FT-BEMH-ZU-0000015	FHTV MH018 0000AS_A	Dez 19	Mrz 20		Mrz 20	3	2	3	1	0
FT-BEMV-ZU-0000010	07-00001-069-5	FT-BEMV-ZU-0000011	FHTV MV013 0000AS_A	Apr 20	Jul 20		Apr 20	2	2	3	1	0
FT-BEMV-ZU-0000062	07-00001-071-8	FT-BEMV-ZU-0000011	FHTV MV013 0000AS_A	Apr 20	Jul 20		Apr 20	2	2	3	1	0
FT-BEMV-ZU-0000064	07-00001-072-5	FT-BEMV-ZU-0000011	FHTV MV013 0000AS_A	Apr 20	Jul 20		Apr 20	2	2	3	1	0
FT-BEMV-ZU-0000066	07-00001-070-1	FT-BEMV-ZU-0000011	FHTV MV013 0000AS_A	Apr 20	Jul 20		Apr 20	2	2	3	1	0

1. Completed tasks for last month	
1	Text...
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	

2. Planned task for next month	
1	Text...
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	

Excel-template for all FAIR supplier

Supplier Status Report Structure



example HEBT Magnets

1

Static part, will be filled by FAIR team.

PSP number, quantity, DMU drawing number und CID number ... number ...

Position (Ptab)	CID	AID	Designation/ Benennung	DMU Drawing no.	Drawing no. Supplier
GSI-MT-Ptab-2014-01.2	18-0000380-1-5		dip13_0	FT-BEMH-ZU-0000055	FHTMH055AS
GSI-MT-Ptab-2014-01.2	18-0000380-4-6		dip13_0	FT-BEMH-ZU-0000055	FHTMH055AS

2

FAT, Delivery date [target]

Forecast FAT, delivery date [actual prognosis]

Contracted FAT date [target date]	Contracted Delivery date [target date]	Forecast FAT date [actual date]	Forecast by supplier delivery date [actual date]
01.01.2019	01.02.2019	31.11.2019	31.11.2019
01.02.2019	01.03.2019	31.12.2019	31.12.2019

please update monthly

3

Components status *individual "body"*

not necessary	0	not stated
planned	1	
in process	2	
ready	3	

Yoke/ Joch							Coils/ Spulen				Connection box/ Anschlusskasten			
Design							Production							
3D/ CDR	2D/ FDF	single parts/ Einzelteil	bandage / Bandager	parts of yoke/ Jochteil	yoke/ Joch	zero field coil/ Hilfsspule	1st coil part/ 1.Spulent	2nd coil part / 2.Spulente	3rd coil part/ 3. Spulentr	4th coil part/ 4. Spulentr	coil/ Spule	single parts/ Einzelteile	assembly/ Montag	stand/ Gestel
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
3	3	2	2	2	2	3	2	2	2	2	2	1	1	2

please update monthly



Supplier Status Report Structure



example HEBT Vacuum

4

Summary: completed tasks for last month & tasks planned for next month

please update monthly

Monthly report		HEBT Vacuum Chambers (Batch 2&3)			
Report period	Nov 19	Date:	xx 11 2019		
Monatliche Report		SIS100 Cryogenic Collimation System			
Company: FAIR GmbH Planckstraße, 1 64291 Darmstadt	Report period		Date:		
Contact person: Lukas Urban	Company: FAIR GmbH Planckstraße, 1 64291 Darmstadt		Provider: Pfeiffer Vacuum GmbH Berliner Straße, 43 35614 Aßlar		
1. Completed					
1	Text...	1. Completed tasks for last month			
2					
3		1	FAT performed on five cryocollimatoren		
4		2	delivery release received for four cryocollimatoren		
5		3	delivery of two cryocollimatoren		
6		4			
7		5			
8		6			
9		7			
10		8			
11		9			
12		10			
13		11			
14		12			
		13			
		14			
2. Planned ta					
1	Text...	2. Planned task for next month			
2					
3		1	FAT of further twenty cryocollimatoren		
4		2	documentation of further twenty cryocollimatoren and upload into the EDMS		
5		3	delivery of all released chambers		
6		4			
7		5			
8		6			
9		7			
10		8			
11		9			
12		10			
13		11			
		12			
		13			

example from SIS100

Summary & Open points



1. Dashboards created so far

- HEBT: Magnets & Vacuum Chambers. **Well working procedures** established with A. Krasnov and I. Morozov



- Super-FRS: NC Magnets (dipoles) **new**

2. Must be done. **Support from BINP Project Office is required**

- CR: one template for all
- Super-FRS: diagnostic chambers, sc dipole chambers,
- pbar: will follow after contract signature

3. No contract → report not yet necessary

4. **Contact persons at BINP Project office?**

5. Contact person at FAIR/GSI is Nico Oepen: n.oepen@gsi.de

Provider tracking status			
Subproject	PSP-Code	Work Package	Status
CR 2.5			
CR	2.5.2.1	CR/TCR1 Dipole Magnets	output pending
CR	2.5.2.2.1	CR/TCR1 wide Quadrupoles Magnets	output pending
CR	2.5.2.2.2	CR/TCR1 Narrow Quadrupoles Magnets	output pending
CR	2.5.2.3.1	CR/TCR1 Sextupole Magnets	output pending
CR	2.5.2.6	CR/TCR1 Steerer Magnets	output pending
CR	2.5.3.1.1	CR/TCR1 Dipole Power Converter	output pending
CR	2.5.3.2	CR/TCR1 wide Quadrupole Power Converter	output pending
CR	2.9.3.3.1.2	CR/TCR1 Sextupole Power Converter	output pending
CR	2.5.3.6.2.1	CR/TCR1 Steerer Power Converters	output pending
CR	2.5.6.2.1.1.1	CR/TCR1 Beam Position Monitor	output pending
CR	2.5.7.1.2.2	CR/TCR1 Dip Vacuum Chambers	output pending
CR	2.5.7.1.2.3	CR/TCR1 wide Quad-sext chamber	output pending
CR	2.5.7.1.2.3.1	CR/TCR1 Quad Vacuum Chambers	output pending
pbar 2.9			
pLinac/pbar	2.9.2.2.1.1	Magnets	no contract
pLinac/pbar	2.9.7.1	Vacuum Chambers	no contract
pLinac/pbar	2.9.7.1	Pumps/Valves/Roughing Stations/Support Frames	no contract
pLinac/pbar	2.9.3.1	Power Converter	no contract
pLinac/pbar	2.9.11.4	Collimators	no contract
Super FRS 2.4			
Super FRS	2.4.2.1.1.2	NC Dipoles	in use
Super FRS	2.4.2.2.1.2	NC Multipoles	no contract
Super FRS	2.4.7.1.2.1	SC Standard-Dipole Chambers	output pending
Super FRS	2.4.7.1.2.1	NC Vacuum Chambers	no contract
Super FRS	2.4.7.1.12.1	Diagnostic Chambers	output pending
Super FRS	2.4.7.1.11	Beam pipes/bellows/pumping chambers	no contract
Commons 2.14			
HEBT	2.3.2.1.9	Magnets Batch 2&3	in use
HEBT	2.3.7.1.2.3.2	Vacuum Batch 2&3	in use
HEBT	2.3.7.1.2.1.1	Vacuum Batch 4	Specs not final





**Many thanks
&
great team work further on**