

Update on vacuum activities 26th of February 2015

BI line modifications	Details	Status	Info.
Installation of BI-SMV, BI-DIS and move BI-MTV	Installation of new pumps and cabling, modification of connection vacuum chambers	Cabling and pumps ordered. Design and drawings are ready.	Require modification of installed material (EN/MME) (Ok for end 2016)
Change magnets (BI-BVT)	BI-BVT will be fitted with new chambers , other magnet chambers will be cut and re-welded.	BI-BVT chamber ready for installation in spare magnet	Require modification of installed material (EN/MME) (Ok for end 2016)
Injection chambers and pumping unit.	New design required	Design started. Design finish Q2 2015	Fabrication Q3-Q4 2015 (Ok for end 2016)
Cabling and controls	Re-cabling of BI line in PS & PSB	Ordered	Could be ok for end 2016, (Depending EN/EL)

BT line modifications	Details	Status	Info.
Installation of BT-SMV	Modification of existing vacuum chambers and BI equipment	Design started by BI and EN/MME	Require modification of installed material (EN/MME) (looks ok for end 2016)
BT- and BTM-BHZ10	New Y and V chambers required	Awaiting information from TE/MSC	Info required Q1 2015 from TE/MSC Design by EN/MME Q2 and Q3 2015 Fabrication Q1-Q3 2016 (EN/MME) Installation in magnet Q4 2016 On standby. Could be ok for end of 2016

BR line modifications	Details	Status	Info.
Installation of new injection zone	Installation of new pumping ports, pumps, clamps, bellows tools, flanges and seals	Pumping port prototype delivery Q1 2015. Series Q4 2015 Other material in stock	Ok for end of 2016 Cabling ordered
BHZ 11 and BHZ 162 vacuum chambers	Common chamber design for both magnets End pieces and fixing are unique for each chamber	Prototype common part Q2 2015 Design unique parts Q2 2015 fabrication Q3-4 Series Q1-Q4 2016	The result of the prototypes will define if we are OK or on the critical path for end of 2016.
Valve supports and pumping chambers up and down stream of injection	New chambers and supports are required	Design and drawing finish Q2-Q4 2015 Fabrication Q1-Q3 2016	Ok for end of 2016 Cabling ordered
Installation of new kickers 16L1	New chambers with bellows Required	Awaiting ECR and integration of kicker by EN/MEF	Requested installation Q4 2015?? On standby Normally ok for end of 2016

End of status report