

Shutdown (6.4.2018) tech. comm. SA2,3,1

- Daily coordination meeting (outside E1.124 @ 9:30)
 - Plan: today, tomorrow and next
- Work is mostly
 - Coordination of PLC loop updates and restarts
 - H/W changes: e.g. VAC interlock fired by transient signals...
 - New or upgraded components: e.g. ESLITs, HSLIT, PES...
 - Component commissioning for 1st SA2 lasing: e.g. PSLIT (aka SRA), ATT...
- Overall schedule
 - KW13 MOV1 loop commissioned SA2 was driven by Eplan (1st tunnel loop to have this)
 - KW14 (= Wed +) changes to loops, adding h/w...
 - KW15 is component testing, DAQ etc.
 - KW16 (last 2 days) is tunnel pre-closure interlock tests
- Itemized work plan status shown in next (repetitive = ignore) two slides
 - 1st lasing work plan for SA2
 - Itemized plan for SA2,3,1
- Conclusion
 - ~On schedule
 - Worry about Piezo motors (what is the AE plan for experts?)
 - Time slot for Karabo upgrade KW16 Monday – only on one tunnel !

Tech. Comm. Schedule for LASING_XTD1 (6.4.2018)					<div>Author:</div> <div>New access period</div>	
					<div>Author:</div> <div>KW14 starts Wednesday day and KW16 ends Thursday</div>	
Access (LASING_XTD1)						
XTD1 access period 1				until 12.3.2018	KW9, KW10 and 1 day in KW11	
pre-Easter XTD1 period				27-28.3.2018	XTD1 opens late 26th (may stay open)	
XTD1 access period 2				3.4.2018 - 19.4.2018	KW14, KW15 and KW16	
Preliminary schedule and status:		aim	status	calendar week	task to do	comment
Network and server installations	ITDM	required	DONE	KW9	CONTROL and DAQ networks, loop connections	
Control names in master equipment list	CAS	required	DONE	KW9	defines control devices	
SA2 control server Karabo 2.2.2 installation	CAS	required	DONE	KW9	control system Karabo s/w installation	2.2.1 on SA1 and SA3
MTCA system sa2-xtd1-sys-utc-r21	AE	required	DONE	KW10	TIMING distribution signals	
PLC loop vac	AE	required	DONE	KW10	initial f/w installation	initial f/w running and interlock tested
PLC loop xgm	AE	required	DONE	KW10	initial f/w installation	initial f/w running and interlock tested
PLC loop mov1	AE	required	DONE	KW13 (20+21st)	initial f/w installation	needed for motors, etc.
PLC loop eps	AE	if possible	PLANNED	KW16	initial f/w installation	
Vacuum section VS20010	Vacuum	required	DONE	KW11+	vacuum section Karabo integration	MDL and scenes
Vacuum section VS20020	Vacuum	required	DONE	KW11+	vacuum section Karabo integration	MDL and scenes
Vacuum section VS20030	Vacuum	required	DONE	KW11+	vacuum section Karabo integration	MDL and scenes
Vacuum section VS20040	Vacuum	required	DONE	KW11+	vacuum system Karabo integration	MDL and scenes
Vacuum section VS20050	Vacuum	required	DONE	KW11+	vacuum system Karabo integration	MDL and scenes
Vacuum section VS20060	Vacuum	required	DONE	KW11+	vacuum system Karabo integration	MDL and scenes
Vacuum section VS20070	Vacuum	required	DONE	KW11+	vacuum system Karabo integration	MDL and scenes
Component SA2_XTD1_FLT (aka Filterbox)	WP74	required		KW15	component Karabo and integration	Devices, MDL and scenes
Component SA2_XTD1_PSLIT (aka SRA)	WP73	required	PLANNED	KW14	component Karabo integration	Devices, MDL and scenes
Component SA2_XTD1_KMONO	WP74	required		KW15	component Karabo and DAQ integration	Devices, MDL and scenes
Component SA2_XTD1_IMGSR	WP74	required	INPROGRESS	KW15	component Karabo and DAQ integration	Devices, MDL and scenes
Component SA2_XTD1_IMGSEL	WP74	required	INPROGRESS	KW15	component Karabo and DAQ integration	Devices, MDL and scenes
Component SA2_XTD1_XGM	WP74	required	PLANNED	KW13	Doocs integration	Devices, MDL and scenes
Component SA2_XTD1_ATT	WP73	required	PLANNED	KW14	component Karabo integration	Devices, MDL and scenes

6.4.2018 SA2+3 task overview tech. comm. (aka period 2) SA1 incomplete - not my scope.

Author:

Discussion with owners and support groups indicate that the tasks can be completed. There are some bottlenecks (technical and personnel) and lower priority tasks may not be completed.

component	owner	contact	lower priority	Status	when	what	comment
SA1_XTD2_XGS600	vacuum	R.Villanueva		INPROGRESS	KW15	needs f/w device development; needs s/w device	
SA1_XTD9_XGS600	vacuum	R.Villanueva		INPROGRESS	KW15	needs f/w device development; needs s/w device	
SA2_BR_SYS/PLC/EPS	AE	AE	mid		KW16	connect and test loop functionality; start loop f/w	
SA2_BR_SYS/PLC/EPS	CAS	CAS	mid		KW16	start loop s/w; sanity checks	
SA2_BR_SYS/PLC/MOV1	AE	AE		DONE	KW13	connect and test loop functionality; start loop f/w	
SA2_BR_SYS/PLC/MOV1	CAS	CAS		DONE	KW14	start loop s/w; sanity checks	
SA2_BR_SYS/PLC/VAC	WP73	J.Eidam		DONE	KW12	connect missing beampipe section in VS20070	
SA2_XTD1_ATT	Optics	D.La Civita		PLANNED	KW 14	MOV1 motors Beckhoff and Karabo local test	
SA2_XTD1_CRL	MID	J.Hallmann	low	PLANNED	KW16 (17+18th)	install modules and cables - but no insertion into MOV1 loop as too late to test	not in MOV1
SA2_XTD1_FLT (aka Filterbox)	Diagnostics	W.Freund			KW15	MOV1 Beckhoff local and Karabo local test	
SA2_XTD1_IMGFEL	Diagnostics	A.Koch		INPROGRESS	KW15	MOV1 tests; camera timing and DAQ	
SA2_XTD1_IMGSR	Diagnostics	A.Koch		INPROGRESS	KW15	MOV1 tests; camera timing and DAQ	
SA2_XTD1_KMONO	Diagnostics	W.Freund			KW15	MOV1 Beckhoff and Karabo local test; timing and DAQ	Elmo-OK
SA2_XTD1_PSLIT (aka SRA)	Optics	D.La Civita			KW14	MOV1 Beckhoff and Karabo local test - no LVDTs	
SA2_XTD1_XGM	Diagnostics	T.Maltezopoulos		DONE	KW13	insert missing PLC VAC-XGM cable; plus interlock test	
SA2_XTD1_XGM	Diagnostics	T.Maltezopoulos		PLANNED	KW 14	Doocs and DAQ	
SA2_XTD1_XGS600	vacuum	R.Villanueva			KW15	needs f/w device development; needs s/w device	
SA2_XTD1_VAC	vacuum	M.Petrich		SCHEDULED	KW16	interlock tests	
SA3_XTD10_HSLIT	Optics	D.La Civita		INPROGRESS	KW14	Same as PSLIT left and right only; Motors: Beckhoff and Karabo local tests	project exists?
SA3_XTD10_MIRR-3	Optics	D.La Civita			KW15	Tech commissioning done w/o mirror - do not repeat.	
SA3_XTD10_MONO	Optics	D.La Civita			KW12	get Piezo motors working	Elmo-OK
SA3_XTD10_PBLM	Optics	N.Grasimova	mid		KW16	Motors Beckhoff and Karabo local test	Elmo-OK
SA3_XTD10_PES	Diagnostics	J.Laksman		INPROGRESS	KW15	install Beckhoff motor and vacuum crates: Beckhoff and Karabo local tests	crates
SA3_XTD10_VSLIT	Optics	D.La Civita			KW14	6 motors: Benoit must recable; Beckhoff and Karabo local tests	Cables+Elmo-OK
SA3_XTD10_XGS600	vacuum	R.Villanueva		SCHEDULED	KW15	needs f/w device development; needs s/w device	
SCS_XTD10_ESLIT	Optics	D.La Civita			KW15	Beckhoff local test; Karabo local test	Mc2-OK
SCS_XTD10_IMGES	Diagnostics	A.Koch		INPROGRESS	KW15	motors: beckhoff and karabo local test; camera timing and DAQ	
SCS_XTD10_PBLM	Optics	N.Grasimova	mid		KW16	Motors Beckhoff and Karabo local test	Elmo-OK
SQS_XTD10_ESLIT	Optics	D.La Civita		INPROGRESS	KW15	Motors: Beckhoff and Karabo local test	Mc2-OK
SQS_XTD10_IMGES	Diagnostics	A.Koch		INPROGRESS	KW15	Motors: beckhoff and karabo local test; camera timing and DAQ	
SQS_XTD10_PBLM	Optics	N.Grasimova	mid		KW16	Motors Beckhoff and Karabo local test	Elmo-OK
SQS_XTD10_VAC	vacuum	M.Petrich		SCHEDULED	KW16	interlock tests	

Stages

Definition of SA2 Tech. Comm. Stages (20.3.2018)							
Stage Name	Target Date	Karabo controlled components	None controlled component state	Beam stop	PLC loops required	MTCA crates required	DAQ required
SA2 lasing in XTD1 and XS2 (LASING_XTD1)	01.05.2018 (HS)	VS20010 thru VS20070 SA2_XTD1_FLT (aka Filterbox) SA2_XTD1_PSLIT (aka SRA) SA2_XTD1_KMONO SA2_XTD1_IMGSR SA2_XTD1_IMGFEL SA2_XTD1_XGM SA2_XTD1_ATT	SA2_XTD1_CRL (out)	Shutter in XS2	required in order: VAC (R2.1 thru R2.5) XGM (R2.2) MOV1 (R2.1 thru 2.5) if possible: EPS (R2.1 thru 2.5)	sa2-xttd1-sys-utc-r21 (TIMING)	KMONO IMGFEL ?more?
SA2 lasing in XTD6 (LASING_XTD6)	?	?	?	?	?	?	?
SA2 Photon commissioning	?	?	?	?	?	?	?
SA2 technical commissioning complete	?	?	?	?	?	?	?