

Shutdown (12.4.2018) tech. comm. SA2,3,1

- Daily coordination meeting (outside E1.124 @ 9:30)
 - Plan: today, tomorrow and next
- Beckhoff h/w installations finished 12.4.2018 **only replacements now allowed**
 - Fixing PLC loop h/w should result in 100% uptime, thus allowing efficient component testing
 - It also allows AE to focusing on f/w framework version to 1.27.x, device configuration, etc.
- Overall schedule
 - KW15+16 is component testing, karabo 2.2.3 deployments and DAQ testing.
 - KW16 (last 2 days) is tunnel pre-closure interlock tests
- Itemized work plan for components is shown in next slide
 - Tells you nothing about large PLC f/w and Karabo s/w effort = ignore and believe conclusions
- Conclusion
 - Schedule slipped as we're 1.5 days late finishing Beckhoff h/w installations
 - PES vacuum and motion crates took longer to integrate
 - New items came into the schedule which drain manpower
 - Likely victims are SA2 EPS and SA3 PBLMs
 - Important step is Karabo 2.2.3 deployment in SA3 starting 13.4.2018 @ 08:00
 - Expected improvements: Beckhoff-PLC interface, improved Mc2 motors & GATT devices, camera load spreading...
 - Mc2 motor worries have eased as f/w and s/w improved, but what about SA3 MONO piezos

12.4.2018 SA2+3 component task overview tech. comm. (aka period 2) SA1 incomplete - not my scope.

Author:

INPROGRESS = work started, but no status update

TESTING = expecting status feedback if component is operational (i.e. Beckhoff+Karabo local test results) - for diagnostic component additional timing and DAQ tests needed

SCHEDULED = definite date fixed for work (e.g. Vacuum interlock tests)

PLANNED = aim to do in week specified

component	owner	contact	lower priority	Status	when	what	comment
SA1_XTD2_XGS600	vacuum	R.Villanueva		DONE	KW15	install additional terminals, insert into f/w loop	controller s/w needed
SA1_XTD9_XGS600	vacuum	R.Villanueva		DONE	KW15	install additional terminals, insert into f/w loop	controller s/w needed
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	moved KW16	MOV1 motors Beckhoff and Karabo local test	
SA2_XTD1_CRL	MID	J.Hallmann	low	INPROGRESS	KW16	install modules and cables - but no insertion into MOV1 loop as too late to test	
SA2_XTD1_FLT (aka Filterbox)	Diagnostics	W.Freund		TESTING	KW15	MOV1 Beckhoff local and Karabo local test	
SA2_XTD1_IMGFL	Diagnostics	A.Koch		TESTING	KW15	MOV1 tests; camera timing and DAQ	timing and DAQ tests needed
SA2_XTD1_IMGSR	Diagnostics	A.Koch		TESTING	KW15	MOV1 tests; camera timing and DAQ	timing and DAQ tests needed
SA2_XTD1_KMONO	Diagnostics	W.Freund		TESTING	KW15	MOV1 Beckhoff and Karabo local test; timing and DAQ	Elmo motors OK with Karabo 2.2.3
SA2_XTD1_PSLIT (aka SRA)	Optics	D.La Civita		PLANNED	moved KW16	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	moved KW16	Final Doocs and DAQ integration	
SA2_XTD1_XGS600	vacuum	R.Villanueva		DONE	KW15	install additional terminals, insert into f/w loop	controller s/w needed
SA2 MPS	PRC	H.Sinn		DONE	KW15	install terminals R2.1 for minimal (VAC OK...) MPS connection	DESY must install MPS board in R2.1
SA2_XTD1_VAC	vacuum	M.Petrich		SCHEDULED	KW16	interlock tests	
SA3_XTD10_VSLIT	Optics	D.La Civita			moved KW16	Same as PSLIT left and right only; Motors: Beckhoff and Karabo local tests	
SA3_XTD10_MIRR-3	Optics	D.La Civita		DONE	KW15	add additional terminals	
SA3_XTD10_KMONO	Diagnostics	W.Freund		DONE	KW15	Test Mc2 motors	Elmo motors OK with Karabo 2.2.3
SA3_XTD10_MONO	Optics	D.La Civita		?	moved KW16	get Piezo motors working	Mahadi asks for test system
SA3_XTD10_PBLM	Optics	N.Grasimova	mid		KW16	Motors Beckhoff and Karabo local test	
SA3_XTD10_PES	Diagnostics	J.Laksman		TESTING	KW15	install Beckhoff motor and vacuum crates: Beckhoff and Karabo local tests	crates installed
SA3_XTD10_HSLIT	Optics	D.La Civita		TESTING	moved KW15	Benoit must add crate; Beckhoff and Karabo local tests	
SA3_XTD10_XGS600	vacuum	R.Villanueva		DONE	KW15	needs f/w device development; needs s/w device	controller s/w needed
SCS_XTD10_ESLIT	Optics	D.La Civita		TESTING	KW15	6 motors: Benoit must recable; Beckhoff local test; Karabo local test	Mc2 local tested, next Karabo tests
SCS_XTD10_IMGES	Diagnostics	A.Koch		TESTING	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	
SQS_XTD10_ESLIT	Optics	D.La Civita		TESTING	KW15	6 motors: Benoit must recable; Motors: Beckhoff and Karabo local test	Mc2 local tested, next Karabo tests
SQS_XTD10_IMGES	Diagnostics	A.Koch		TESTING	KW15	Motors: beckhoff and karabo local test; camera timing and DAQ	timing and DAQ tests needed
SQS_XTD10_PBLM	Optics	N.Grasimova	mid		KW16	Motors Beckhoff and Karabo local test	
SA3_XTD10_VAC	vacuum	M.Petrich		SCHEDULED	KW16	interlock tests	