

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-xtd1-sys-utc-r21 (TIMING)	KMONO IMGFEL ?more?
SA2 lasing in XTD6 (LASING_XTD6)	?	?	?	?	?	?	?
SA2 Photon commissioning	?	?	?	?	?	?	?
SA2 technical commissioning complete	?	?	?	?	?	?	?

Tech. Comm. Schedule for LASING_XTD1 (21.3.2018)				Author: New access period	
				Author: KW14 starts Wednesday day and KW16 ends Thursday	
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	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
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
PLC loop xgm	AE	required	DONE	KW10	initial f/w installation
PLC loop mov1	AE	required	INPROGRESS	KW13 (20+21st)	initial f/w installation
PLC loop eps	AE	if possible	PLANNED	KW16	initial f/w installation
Vacuum section VS20010	Vacuum	required	DONE	KW11+	vacuum section Karabo integration
Vacuum section VS20020	Vacuum	required	DONE	KW11+	vacuum section Karabo integration
Vacuum section VS20030	Vacuum	required	DONE	KW11+	vacuum section Karabo integration
Vacuum section VS20040	Vacuum	required	DONE	KW11+	vacuum system Karabo integration
Vacuum section VS20050	Vacuum	required	DONE	KW11+	vacuum system Karabo integration
Vacuum section VS20060	Vacuum	required	DONE	KW11+	vacuum system Karabo integration
Vacuum section VS20070	Vacuum	required	DONE	KW11+	vacuum system Karabo integration
Component SA2_XTD1_FLT (aka Filterbox)	WP74	required		KW15	component Karabo and integration
Component SA2_XTD1_PSLIT (aka SRA)	WP73	required		KW14	component Karabo integration
Component SA2_XTD1_KMONO	WP74	required		KW15	component Karabo and DAQ integration
Component SA2_XTD1_IMGSR	WP74	required		KW15	component Karabo and DAQ integration
Component SA2_XTD1_IMGSEL	WP74	required		KW15	component Karabo and DAQ integration
Component SA2_XTD1_XGM	WP74	required	NEXT	KW13	component Karabo and Doocs integration
Component SA2_XTD1_ATT	WP73	required		KW14	component Karabo integration

SA2+3 task overview tech. commissioning in April access (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	when	what	comment
SA1_XTD2_XGS600	vacuum	R.Villanueva		KW15	needs f/w device development; needs s/w device	
SA1_XTD9_XGS600	vacuum	R.Villanueva		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		KW13	connect and test loop functionality; start loop f/w	
SA2_BR_SYS/PLC/MOV1	CAS	CAS		KW14	start loop s/w; sanity checks	
SA2_BR_SYS/PLC/VAC	WP73	J.Eidam		KW12	connect missing beampipe section in VS20070	
SA2_XTD1_ATT	Optics	D.La Civita		KW 14	MOV1 motors Beckhoff and Karabo local test	
SA2_XTD1_CRL	MID	J.Hallmann	low	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		KW15	MOV1 tests; camera timing and DAQ	
SA2_XTD1_IMGSR	Diagnostics	A.Koch		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		KW13	insert missing PLC VAC-XGM cable; plus interlock test	
SA2_XTD1_XGM	Diagnostics	T.Maltezopoulos		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		KW16	interlock tests	
SA3_XTD10_HSLIT	Optics	D.La Civita		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	low	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		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		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		KW15	Motors: Beckhoff and Karabo local test	Mc2-OK
SQS_XTD10_IMGES	Diagnostics	A.Koch		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		KW16	interlock tests	