

DMSC High Level Milestones

	2019		2020				2021				2022				2023				
	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
Link		◆ Tested and validated																	
Cph Server room		◆ Hardware installed and configured																	
Lund Server room		◆ CUB ready for installation (ICS)	◆ DMSC hardware installed in CUB	◆ CUB Comms room commissioning															
DAQ & Streaming	✓ Data available for Reduction and Analysis - DAQ and Stream																		
Experiment Control	◆ Proof of Experiment Control of DAQ																		
BCT	◆◆◆	◆◆◆	◆	◆	◆	◆◆◆	◆												
Data Reduction	◆ Proof of Operation																		
Data Analysis	◆ Proof of Operation	◆ SINE2020 ends																	
DMSC		◆ DMSC ready for Beam on Instruments																	
External Dep.	◆ Timing System available (ICS)	◆ V20 closes	◆ EPICS Gateway available (ICS)								◆ ICS ready for test Beam line ready for Hot Commissioning		◆ BOT Hot Commissioning for Initial Instruments		◆ First User Program Instruments defined			◆ Start of User Program	

Group	Type	Milestone	Date	Comments
DST	Link	Tested and Validated	30/11/19	not in our p6
DST	Copenhagen Server room	Hardware installed and configured	30/09/19	
DST	Lund	E01 Building access	10/09/19	not in our p6
DST	Lund	Comms room Commissioning	10/10/19	not in our p6
DST	Lund	DMSC hardware installed in Comms room	10/11/19	not in our p6
DST	Lund	CUB ready for installation (ICS)	12/08/19	DELAYED
DST	Lund	DMSC Hardware installed in CUB	04/11/19	DMSC needs 2,5 monts from access date
ECDC	DAQ and Streaming	Data available for reduction and analysis - DAQ and streaming	12/08/19	Met
ECDC	Experiment Control	Proof of experiment control of DAQ	05/09/19	
ECDC	IK	Production system release candidate	12/08/19	
ECDC	IK	Production system candidate deployment at ESS/DMSC	30/08/19	
ECDC	IK	Acceptance Test Report by ESS Data Management group	30/09/19	
ECDC	IK	Operations Manual Documentation for production system	02/03/20	
ECDC	IK	Documentation of SW architecture and optional enhancement processes	29/04/20	
ECDC	IK	End User Manual	29/05/20	
ECDC	BCT	Detector Readout EPICS Interface	12/08/19	

ECDC	BCT	Chopper CHIP factory acceptance test	30/08/19	
ECDC	BCT	DMSC integration for initial operations	30/09/19	
ECDC	BCT	First example of Detector Utilities with EPICS control in Utgard for one detector type	29/11/19	
ECDC	BCT	MPS/PPS equipment available for integration tests in Utgard	20/12/19	
ECDC	BCT	Final tests with neutrons possible at V20	20/12/19	
ECDC	BCT	Kafka streaming of image detectors from area detector	31/01/20	
ECDC	BCT	Precision Motion Timing evaluation (Utgard)	31/03/20	
ECDC	BCT	ntp/ptp timing synchronisation baseline for operations (from ICS)	31/03/20	
ECDC	BCT	Alarms available for not time synchronised IOCs	31/03/20	
ECDC	BCT	Baseline for EPICS deployment and development infrastructure	30/06/20	
ECDC	BCT	Timing system test (full integration with NICOS) at AMOR/SINQ	30/10/20	
ECDC	BCT	First integration of robotics (BEER or NMX) - hardware to EPICS through to NICOS	30/11/20	
ECDC	BCT	Specific NICOS UI and engineering interfaces for first instrument ready	23/12/20	
ECDC	BCT	Integration for Initial Sample Environment systems complete	30/06/21	
ECDC	BCT	specific NICOS UI and engineering interfaces for second instrument ready	30/06/21	

ECDC	BCT	Specific NICOS UI and engineering interfaces for third instrument ready	30/06/22	
DRAM	Data Reduction	Proof of Operation	15/09/19	
DRAM	Data Analysis	SINE 2020 Ends	16/09/19	
DRAM	Data Analysis	Proof of Operation	15/09/19	
DMSC		DMSC Ready for Beam on Instruments	20/12/19	
External	ICS	EPICS Gateway available	12/08/19	Not valied
External	ICS	Timing System available	12/08/19	Met
External		V20 closes	12/12/19	
External		Beam Line ready for Hot Commissioning	28/03/22	
External		ICS ready for Test	28/03/22	
External		Hot Commissioning for initial instruments	01/07/22	
External		Beam on Target (BOT)	07/07/22	
External		First User programme instruments defined	01/12/22	
External		Start of User Programme	15/12/23	