

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	PHSE	Schedule											
						FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06				
1 1.0 Spallation Neutron Source Project																	
1.09 1.9 Integrated Control Systems																	
1.09.02 1.9.2 ICS Global Control Systems																	
CT09020010	Start ICS global sys implementation	0	01OCT98A		T2												
CT09020020	ICS global sys complete	0		22DEC04	T2												ICS global sys complete ▲
CT09020025	Prepare Draft Global Systems ICD	352	01OCT98A	29FEB00A	T2												
CT09020030	IPL - Complete Draft Global Systems ICD	0		29FEB00A	T2												
1.09.02.01 1.9.2.1 ICS Network																	
CT09021020	Start ICS network implementation	0	01OCT99A		T2												
CT09021022	Complete Prelim Dsn Review of EPS	0		29SEP00	T2												
CT09021023	Complete Prelim Dsn Rvw of Network & Timing Sys	0		30MAR00A	T2												
CT09021380	ICS network complete	0		30JAN03	T2												
1.09.02.01.01 1.9.2.1.1 Title I & II Design																	
CT09021025	ICS network TI&II design	499*	01OCT99A	28SEP01	T2												
CT09021030	ICS network TI & FY00 TII design	250*	01OCT99A	29SEP00	T2												
CT09021035	Prepare for prelim design review	20	01OCT99A	05NOV99A	T2												
CT09021040	ICS network prelim design review	0		30MAR00A	T2												
CT09021043	Prep interface control documentation	140*	08NOV99A	02MAY00A	T2												
CT09021046	Prep initial detailed design documentation	104*	03MAY00A	29SEP00	T2												
CT09021051	ICS network FY01 TII design	125	02OCT00	03APR01	T2												
CT09021053	Issue title II design pkg for comment	0	04APR01														
CT09021055	Finalize title II design	124	04APR01	28SEP01													
CT09021060	ICS network TII design review	0		07MAY01	T2												
CT09021065	Complete title II design of ICS network	0	01OCT01		T2												
1.09.02.01.02 1.9.2.1.2 Procurement																	
CT09021070	ICS network bid cycle	60	08MAY01	02AUG01	PM												
CT09021075	ICS network procurement contract awarded	0	03AUG01		PM												
CT09021080	ICS network procurement	303*	15AUG01	29OCT02	PR												
CT09021085	FY01 network procurement	32*	15AUG01	28SEP01													
CT09021090	C.F. network procurement	60	15AUG01	07NOV01	PM												
CT09021100	F.E. & DTL network procurement	60	12SEP01	06DEC01	PM												
CT09021105	Main control room network procurement	60	17OCT01	15JAN02	PM												
CT09021107	FY02 network procurement	271*	01OCT01	29OCT02													
CT09021110	CCL network procurement	60	28MAR02	21JUN02	PM												
CT09021115	SCL network procurement	60	28MAR02	21JUN02	PM												
CT09021120	HEBT & Ring network procurement	60	08MAR02	03JUN02	PM												
CT09021125	RTBT & Target network procurement	60	06AUG02	29OCT02	PM												
1.09.02.01.03 1.9.2.1.3 Title III Engineering																	
CT09021270	ICS Network TIII activities	312*	01OCT01	31DEC02	T3												

Project Start 01OCT98
Project Finish 30DEC05
Data Date 01OCT00
Run Date 09OCT00

Early Bar
Progress Bar
Critical Activity

SNS4:CONT

Detailed Project Schedule
Procurements
10/01/00

Sheet 1 of 6

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	PHSE	FY99												FY00												FY01												FY02												FY03												FY04												FY05												FY06											
1.09.02.01.06 1.9.2.1.6 Installation																																																																																																					
CT09021150	ICS network installation	284*	08NOV01	31DEC02	IN	ICS network installation																																																																																															
CT09021160	CF ctrls network installation	41	08NOV01	10JAN02	IN	CF ctrls network installation																																																																																															
CT09021170	F.E. & DTL network installation	41	07DEC01	07FEB02	IN	F.E. & DTL network installation																																																																																															
CT09021185	Main control room network installation	41	16JAN02	14MAR02	IN	Main control room network installation																																																																																															
CT09021206	CCL network installation	41	24JUN02	21AUG02	IN	CCL network installation																																																																																															
CT09021207	SCL network installation	41	24JUN02	21AUG02	IN	SCL network installation																																																																																															
CT09021208	HEBT network installation	41	04JUN02	01AUG02	IN	HEBT network installation																																																																																															
CT09021210	Ring network installation	41	04JUN02	01AUG02	IN	Ring network installation																																																																																															
CT09021224	RTBT network installation	41	30OCT02	31DEC02	IN	RTBT network installation																																																																																															
CT09021230	Target network installation	41	30OCT02	31DEC02	IN	Target network installation																																																																																															
1.09.02.01.07 1.9.2.1.7 Checkout/Start-up																																																																																																					
CT09021280	ICS network checkout	304*	08NOV01	30JAN03	T3	ICS network checkout																																																																																															
CT09021290	CF ctrls network ready	0		25JAN02	T3	CF ctrls network ready ▲																																																																																															
CT09021300	F.E. & DTL network ready	0		07MAR02	T3	F.E. & DTL network ready ▲																																																																																															
CT09021310	Main control room network ready	0		14MAR02	T3	Main control room network ready ▲																																																																																															
CT09021330	CCL network ready	0		19SEP02	T3	CCL network ready ▲																																																																																															
CT09021340	HEBT network ready	0		29AUG02	T3	HEBT network ready ▲																																																																																															
CT09021350	Ring network ready	0		29AUG02	T3	Ring network ready ▲																																																																																															
CT09021360	66RTBT network ready	0		30JAN03	T3	66RTBT network ready ▲																																																																																															
CT09021370	Target network ready	0		30JAN03	T3	Target network ready ▲																																																																																															
1.09.02.01.08 1.9.2.1.8 Commissioning Support																																																																																																					
CT09021390	Commissioning Support	675	08FEB02	18OCT04	T3	Commissioning Support																																																																																															
1.09.02.02 1.9.2.2 Timing System																																																																																																					
CT09022010	Start timing sys implementation	0	04JAN00A		T2	▲ Start timing sys implementation																																																																																															
CT09022340	Timing system complete	0		25JUN04	T2	Timing system complete ▲																																																																																															
1.09.02.02.01 1.9.2.2.1 Title I & II Design																																																																																																					
CT09022020	Timing sys TI&II design	437*	04JAN00A	28SEP01	T2	Timing sys TI&II design																																																																																															
CT09022030	Timing sys TI & FY00 TII design	188*	04JAN00A	29SEP00	T2	Timing sys TI & FY00 TII design																																																																																															
CT09022033	Complete Timing Sys Prelim Design Review	0		28APR00A	T2	▲ Complete Timing Sys Prelim Design Review																																																																																															
CT09022050	Timing sys FY01 TII design phase I	125	02OCT00	03APR01	T2	Timing sys FY01 TII design phase I																																																																																															
CT09022060	Issue S/W - H/W interface documentation	0	04APR01		T2	Issue S/W - H/W interface documentation ▲																																																																																															
CT09022065	Timing sys FY01 TII design phase II	124	04APR01	28SEP01	T2	Timing sys FY01 TII design phase II																																																																																															
CT09022070	Timing sys final design review	0		29JUN01	T2	Timing sys final design review ▲																																																																																															
CT09022080	Complete title II design of timing system	0	01OCT01		T2	Complete title II design of timing system ▲																																																																																															
1.09.02.02.02 1.9.2.2.2 Procurement																																																																																																					
CT09022090	Timing sys procurement/fab	374*	04APR01	30SEP02	PR	Timing sys procurement/fab																																																																																															
CT09022091	Test equipment procurement	62	04APR01	29JUN01		Test equipment procurement																																																																																															
CT09022093	Timing board FY01 procurement/test	62	02JUL01	28SEP01		Timing board FY01 procurement/test																																																																																															
CT09022096	Timing board FY02 procurement/test	250	01OCT01	30SEP02		Timing board FY02 procurement/test																																																																																															
CT09022110	System test basic timing sys	0		31DEC01	T3	System test basic timing sys ▲																																																																																															
1.09.02.02.03 1.9.2.2.3 Title III Engineering																																																																																																					
CT09022230	Timing sys TIII activities	685*	01OCT01	25JUN04	T3	Timing sys TIII activities																																																																																															
1.09.02.02.04 1.9.2.2.4 Software																																																																																																					
CT09022130	Timing sys S/W development	186*	04APR01	31DEC01	SW	Timing sys S/W development																																																																																															

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	PHSE	FY99												FY00												FY01												FY02												FY03												FY04												FY05												FY06																							
						FY99												FY00												FY01												FY02												FY03												FY04												FY05												FY06																							
CT09022134	Timing sys FY01 S/W develop	124	04APR01	28SEP01		Timing sys FY01 S/W develop																																																																																																											
CT09022137	Timing sys FY02 S/W develop	62	01OCT01	31DEC01														Timing sys FY02 S/W develop																																																																																															
1.09.02.02.05 1.9.2.2.5 Fabrication																																																																																																																	
CT09022100	Fabrication support	125	01OCT01	01APR02	PR													Fabrication support																																																																																															
1.09.02.02.06 1.9.2.2.6 Installation																																																																																																																	
CT09022140	Timing system installation	538*	07FEB02	31MAR04	IN													Timing system installation																																																																																															
CT09022150	F.E. timing sys installation	41	07FEB02	04APR02	IN													F.E. timing sys installation																																																																																															
CT09022161	DTL timing sys installation	62	07FEB02	06MAY02	IN													DTL timing sys installation																																																																																															
CT09022181	CCL timing sys installation	62	21AUG02	15NOV02	IN													CCL timing sys installation																																																																																															
CT09022191	HEBT timing sys installation	62	31JUL02	25OCT02	IN													HEBT timing sys installation																																																																																															
CT09022201	Ring timing sys installation	62	01AUG02	28OCT02	IN													Ring timing sys installation																																																																																															
CT09022211	RTBT timing sys installation	62	31DEC02	28MAR03	IN													RTBT timing sys installation																																																																																															
CT09022221	Instr timing sys (interface) installation	62	05JAN04	31MAR04	IN													Instr timing sys (interface) installation																																																																																															
1.09.02.02.07 1.9.2.2.7 Checkout/Start-up																																																																																																																	
CT09022240	Checkout / startup support	598*	07FEB02	25JUN04	T3													Checkout / startup support																																																																																															
CT09022251	F.E. timing sys ready	0		03MAY02	T3													F.E. timing sys ready ▲																																																																																															
CT09022260	DTL timing sys ready	0		04JUN02	T3													DTL timing sys ready ▲																																																																																															
CT09022280	CCL timing sys ready	0		17DEC02	T3													CCL timing sys ready ▲																																																																																															
CT09022290	HEBT timing sys ready	0		26NOV02	T3													HEBT timing sys ready ▲																																																																																															
CT09022300	Ring timing sys ready	0		27NOV02	T3													Ring timing sys ready ▲																																																																																															
CT09022310	RTBT timing sys ready	0		28APR03	T3													RTBT timing sys ready ▲																																																																																															
CT09022320	Instr timing sys (interface) ready	0		25JUN04	T3													Instr timing sys (interface) ready ▲																																																																																															
CT09022330	Timing sys test with neutron chopper	60	01APR04	25JUN04	T3													Timing sys test with neutron chopper																																																																																															
1.09.02.03 1.9.2.3 Equip Protection System																																																																																																																	
CT09023010	Start equip protect sys implementation	0	04JAN00A		T2													▲ Start equip protect sys implementation																																																																																															
CT09023350	Equip protection system complete	0		23APR03	T2													Equip protection system complete ▲																																																																																															
1.09.02.03.01 1.9.2.3.1 Title I & II Design																																																																																																																	
CT09023020	Equip protect sys TI&II design	437*	04JAN00A	28SEP01	T2													Equip protect sys TI&II design																																																																																															
CT09023030	Equip protect sys TI design	188*	04JAN00A	29SEP00A	T2													Equip protect sys TI design																																																																																															
CT09023033	Complete Equip Prot Sys Prelim Design Review	0	02OCT00		T2													▲ Complete Equip Prot Sys Prelim Design Review																																																																																															
CT09023050	Initial TII design	125	02OCT00	03APR01	T2													Initial TII design																																																																																															
CT09023054	Issue H/W - S/W interface documentation	0	04APR01															Issue H/W - S/W interface documentation ▲																																																																																															
CT09023060	Finalize EPS TII design	124	04APR01	28SEP01														Finalize EPS TII design																																																																																															
CT09023070	Equip protect sys TII design review	0		30MAY01	T2													Equip protect sys TII design review ▲																																																																																															
CT09023080	Equip protect sys TII design complete	0		28SEP01	T2													Equip protect sys TII design complete ▲																																																																																															
1.09.02.03.02 1.9.2.3.2 Procurement																																																																																																																	
CT09023091	Equip protect sys procurement/fab	474*	31OCT00	24SEP02	PR													Equip protect sys procurement/fab																																																																																															
CT09023100	Procure development H/W & S/W	124	31OCT00	01MAY01	PR													Procure development H/W & S/W																																																																																															
CT09023105	Procure prototype boards	82	31MAY01	26SEP01														Procure prototype boards																																																																																															
CT09023120	Fab pre-production EPS board set	62	28DEC01	27MAR02	PR													Fab pre-production EPS board set																																																																																															
CT09023124	Fab production EPS boards	62	26JUN02	24SEP02														Fab production EPS boards																																																																																															
1.09.02.03.03 1.9.2.3.3 Title III Design																																																																																																																	
CT09023251	Equip protect sys TIII activities	392*	27SEP01	23APR03	T3													Equip protect sys TIII activities																																																																																															
CT09023253	Test prototype board set	62	27SEP01	27DEC01														Test prototype board set																																																																																															
CT09023254	Prototype EPS bd set testing complete	0		27DEC01	PR													Prototype EPS bd set testing complete ▲																																																																																															

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	PHSE	FY99												FY00												FY01												FY02												FY03												FY04												FY05												FY06											
						FY99												FY00												FY01												FY02												FY03												FY04												FY05												FY06											
1.09.02.04.04 1.9.2.4.4 Software Design																																																																																																					
CT09024191	Control room software development	132*	22APR02	28OCT02	SW	Control room software development																																																																																															
1.09.02.04.05 1.9.2.4.5 Fabrication																																																																																																					
CT09024195	Fabrication	75	03JAN02	19APR02	PR	Fabrication																																																																																															
1.09.02.04.06 1.9.2.4.6 Installation																																																																																																					
CT09024201	Ctrl room equip installation	145*	02APR02	28OCT02	IN	Ctrl room equip installation																																																																																															
CT09024211	F.E. ctrl console installation	20	22APR02	17MAY02	IN	F.E. ctrl console installation																																																																																															
CT09024221	Main ctrl rm console installation	20	02APR02	30APR02	IN	Main ctrl rm console installation																																																																																															
CT09024231	Ring console installation	20	01AUG02	28AUG02	IN	Ring console installation																																																																																															
CT09024241	Target console installation	20	01OCT02	28OCT02	IN	Target console installation																																																																																															
CT09024270	F.E. control console ready	0		17JUN02	T3	F.E. control console ready																																																																																															
CT09024281	Main Control Room Ready for Commissioning	0		25NOV02	T3	Main Control Room Ready for Commissioning																																																																																															
CT09024290	Ring control console ready	0		28AUG02	T3	Ring control console ready																																																																																															
CT09024300	Target console ready	0		28OCT02	T3	Target console ready																																																																																															
1.09.02.04.07 1.9.2.4.7 Checkout/Start-up																																																																																																					
CT09024261	Server & display checkout / startup support	132*	22APR02	28OCT02	T3	Server & display checkout / startup support																																																																																															
CT09024310	Server & display implementation complete	0		28OCT02	T3	Server & display implementation complete																																																																																															
1.09.02.05 1.9.2.5 Software (System and Application)																																																																																																					
CT09025010	Start software procurement & development	0	01APR99A		PM	▲ Start software procurement & development																																																																																															
1.09.02.05.02 1.9.2.5.2 Procurement																																																																																																					
CT09025030	FY99 procurement	125	01APR99A	30SEP99A	PM	■ FY99 procurement																																																																																															
CT09025050	FY01-FY04 procurement	1,000	02OCT00	30SEP04	PR	■ FY01-FY04 procurement																																																																																															
1.09.02.05.04 1.9.2.5.4 Software Design																																																																																																					
CT09025070	FY99 software development	125	01APR99A	30SEP99A	SW	■ FY99 software development																																																																																															
CT09025080	FY00 software development	209*	01DEC99A	29SEP00A	SW	■ FY00 software development																																																																																															
CT09025081	Compl Dev of Drivers/Database/Appl Sftwre Envir	0		29SEP00A	SW	▲ Compl Dev of Drivers/Database/Appl Sftwre Envir																																																																																															
CT09025082	FY01 software development	249	02OCT00	28SEP01		■ FY01 software development																																																																																															
CT09025085	FY02-FY05 software development	808	01OCT01	22DEC04	SW	■ FY02-FY05 software development																																																																																															
CT09025090	Software procure & implement complete	0		22DEC04	SW	▲ Software procure & implement complete																																																																																															
1.09.02.06 1.9.2.6 Development Systems																																																																																																					
CT09026010	Start development sys implementation	0	01MAY00A		T3	▲ Start development sys implementation																																																																																															
CT09026160	Development systems ready for use	0		23JAN03	T3	▲ Development systems ready for use																																																																																															
1.09.02.06.01 1.9.2.6.1 Title I & II Design																																																																																																					
CT09026031	Development system TI&II design	480*	01MAY00A	01APR02	T2	■ Development system TI&II design																																																																																															
CT09026041	Development system FY00 TI design	106*	01MAY00A	29SEP00	T2	■ Development system FY00 TI design																																																																																															
CT09026042	Complete dev sys FY00 TI design	0		29SEP00	T2	▲ Complete dev sys FY00 TI design																																																																																															
CT09026046	Dev sys FY01 system support	249	02OCT00	28SEP01	T2	■ Dev sys FY01 system support																																																																																															
CT09026051	Dev sys FY02 system support	125	01OCT01	01APR02	T2	■ Dev sys FY02 system support																																																																																															
1.09.02.06.02 1.9.2.6.2 Procurement																																																																																																					
CT09026061	Development system procurement	621*	01APR00A	24SEP02	PM	■ Development system procurement																																																																																															
CT09026071	Workstation procurement	84	01APR00A	28APR00A	PM	■ Workstation procurement																																																																																															
CT09026074	Dev sys FY01 H/W & S/W procurement	40	31OCT00	29DEC00		■ Dev sys FY01 H/W & S/W procurement																																																																																															
CT09026075	Dev sys FY01 misc procurement	185	02JAN01	25SEP01		■ Dev sys FY01 misc procurement																																																																																															
CT09026081	Dev sys FY02 procurement/fab	249	26SEP01	24SEP02	PR	■ Dev sys FY02 procurement/fab																																																																																															

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	PHSE	Fiscal Year											
						FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06				
1.09.02.06.03 1.9.2.6.3 Title III Design																	
CT09026140	Development system TIII activities	330*	26SEP01	23JAN03	T3												
1.09.02.06.04 1.9.2.6.4 Software Design																	
CT09026101	Development system software design & test	250	25SEP02	24SEP03	T3												
1.09.02.06.06 1.9.2.6.6 Installation																	
CT09026120	Development system equip install in CLO	61	25SEP02	20DEC02	IN												