

SERVICE	System name	Y2K status	INB Y/N	Geographical Area	Priority	Date	Users	Dependencies	Equipment Risk	Supervision (TCR) Risk	Actions/Consignes	Test process	remarks		
Dépannage	CERN infrastructure repairs - general.	Under investigation		CERN wide		1/1/00	CERN	GSM, PABX, Rapier							
Information	CERN wide general information	Under investigation		CERN wide	High	3/1/00	CERN	Gate light panels, LEP page 101, Teletext, Telephone, e-mail, news groups, Energy consumption monitor (Gallois)							
Work order	Piquet intervention request	Under investigation		CERN wide	Very high	1/1/00	Piquets	Rapier, IT network, Database servers.	Rapier is used for Piquet intervention insurance. The "bon" is the legal document asserting that an intervention has been ordered. -- One risk is that the piquet is not insured.		The work order is written on paper by the TCR operator. Is the piquet insured with this paper? Piquet should call in to TCR in the night of January 1st. If he can't reach TCR, then he should go there.				
Information	Piquet information	Under investigation		CERN wide	Very high	1/1/00	Piquets	GSM, PABX, ANS.	Piquet can't be reached.						
TCR Supervision	Electricity - HT, MT	Under investigation		CERN wide	Very high	1/1/00	Exp. + Acc. + ST/E	CAS, UMMI, HP, Network, Frontends, Micene							
	Electricity - 48V			CERN wide	High	1/1/00	Exp. + Acc. + ST/E								
	Electricity - UPS		Y	LEP	High	1/1/00	Exp. + Acc. + ST/E								
	Electricity - UPS			PCR	High	1/1/00	Exp. + Acc. + ST/E								
	Electricity - Lighting			LEP	Medium	1/1/00	Exp. + Acc. + ST/E								
	Electricity - Lighting			SPS	Medium	1/1/00	Exp. + Acc. + ST/E								
	Electricity - Diesel generators		Y	LEP	High	1/1/00	Exp. + Acc. + ST/E								
	Electricity - Power Consumption			SPS	Very high	1/1/00	Exp. + Acc. + ST/E								
	PM32 pumping surveillance			Y	LEP PM32	Very high	1/1/00		ST/CV	CAS, UMMI, HP, Network, Frontends, ECATCR		No major problem. Hardwired connection with fire brigade exists for flood alarm	Possibility to put installation in "manual mode"		
	Raw Water - Pumping stations				CERN wide	Very high	1/1/00		ST/CV	CAS, UMMI, HP, Network, Frontends, ECATCR		No supervision. Installation may fail without being noticed	TCR or SCR will do regular visits outside working hours, Contractor (Gematec) during working hours		
	Raw Water			LEP	Very high	1/1/00	ST/CV	CAS, UMMI, HP, Network, Frontends, LEP ECA							
	Primary Water			SPS	Very high	1/1/00	ST/CV	CAS, UMMI, HP, Network, Frontends, ECATCR							
	Primary Water			LEP	Very high	1/1/00	ST/CV	CAS, UMMI, HP, Network, Frontends, LEP ECA							
	Demi Water			PS	Medium	1/1/00	ST/CV	CAS, UMMI, HP, Network, TDS, PLCs							
	Demi Water			SPS	Very high	1/1/00	ST/CV	CAS, UMMI, HP, Network, Frontends, ECATCR							
	Demi Water			LEP	High	1/1/00	ST/CV	CAS, UMMI, HP, Network, Frontends, LEP ECA							
	Demi Water			SM 18	Medium	1/1/00	ST/CV	CAS, HP, Network, TDS		Aucun risque. Equipement arrêté.	Inspection par piquet 1/1/2000 + rapport TCR				
	Iced Water			MEYRIN	High	1/1/00	ST/CV	CAS, UMMI, HP, Network, TDS, PLCs		B513 Centre de calcul.	Inspection par piquet 1/1/2000 + rapport TCR				
	Iced Water			PS	Medium	1/1/00	ST/CV	CAS, UMMI, HP, Network, Frontends, ECATCR		Aucun risque. Equipement arrêté.	Inspection par piquet 1/1/2000 + rapport TCR				
	Iced Water			SPS - BA80		1/1/00	BA80?			Aucun risque. Equipement arrêté.	Inspection par piquet 1/1/2000 + rapport TCR				
	Iced Water			LEP	High	1/1/00	ST/CV	CAS, UMMI, HP, Network, Frontends, LEP ECA		Aucun risque. Equipement arrêté.	Inspection par piquet 1/1/2000 + rapport TCR				
	Reject water			CERN wide	Very high	1/1/00	ST/CV	CAS, UMMI, HP, Network, Frontends, ECATCR			Boucle de retour SPS peut être	Inspection par piquet 1/1/2000 + rapport TCR			
	Compressed Air			CERN wide	?High	1/1/00		CAS, HP, Network, ECATCR?		Manque pression non detecte	Inspection par piquet 1/1/2000 + rapport TCR				
	Central Heating			CERN wide	High	1/1/00	ST/CV	CAS, HP, Network, ECATCR?		Panne chauffage detecte tardivement	Piquet intervention (GEMATEC)				
	Ventilation Alveoles			LEP	High	1/1/00		CAS, UMMI, HP, Network, Frontends, LEP ECA		Ventilation problem goes undetected					
	Security Ventilation (pressurisation)		Y	LEP	Very high	1/1/00	ST/CV + SCR	CAS, HP, Network, Frontends, LEP ECA							
	Air conditioning			LEP	High	1/1/00		CAS, UMMI, HP, Network, Frontends, LEP ECA			Inspection par piquet 1/1/2000 + rapport TCR				
Air conditioning			SPS	High	1/1/00	ST/CV + SCR	CAS, UMMI, HP, Network, Frontends, ECATCR								
Air conditioning			PS	Medium	1/1/00		CAS, UMMI, HP, Network, TDS, PLCs								
Safety - Level 3 alarms1		Y	CERN wide	Very high	1/1/00	SCR	CAS, UMMI, HP, Network, TDS, ECATCR, PLCs								
Safety - Underground fire detection LEP		Y	LEP	Very high	1/1/00	SCR	CAS, UMMI, HP, Network, Frontends, LEP ECA								
Evacuation LEP - Sirenes		Y	LEP	Very high	1/1/00	SCR	CAS, UMMI, HP, Network, Frontends, ECATCR								

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	SPS smoke extraction			SPS	Very high	1/1/00	SCR	CAS, UMMI, HP, Network, TDS, PLCs	Ask fire brigade. -- No smoke extraction, lift and stair shafts are not usable.	A fire may go unnoticed.	SCR to fill this. E.g. close tunnel for access.		
	Vacuum Cryogenics			LEP LEP	High Medium	1/1/00	LHC/VAC	CAS, lep_vac_mmi, HP, network, gp/srX CAS, ANS, GSM, PABX	Leak - loss of vacuum. The risk is high if tunnel access is allowed, low if tunnel is closed	No special risk. A leak may go unnoticed.	No special consignes		
	Control Network Telephone (LEP network, TDM)			CERN wide LEP	Very high Low	1/1/00 1/1/00	TCR, SCR, SL/CO	CAS, Xcluc, OvW, network CAS	No control at all. TCR is blind.	No big risk. A network failure will be noticed anyway. However, loss of repair tools.	Inform all equipment Piquets		
	Alarm Notification System			CERN wide	Very high	1/1/00		CAS, Network,		TCR does not see ANS failure	A test alarm will be defined to send ANS message to TCR. TCR will execute test on January 1st		
COMM	ANS			CERN wide	Medium	1/1/00		SL/CO Network, PABX.	Users are not notified.		TCR has paper list of CAS alarm <=> ANS number and checks and calls manually		
CV													
	SPS-BA6 cooling station	Windows NT 4 & Wizcon supervisory software	LAST NEW .A communication driver is not fully compliant	N	SPS BA6								
	Heating & Ventilation processes	DCS Landis & Staefa	Not compliant. Landis operating software needs to be upgrade	N	Meyrin-Preveessin LEP								
	Cooling and Ventilation LEP processes	Equipment Control Assembly(OS9)	Tests made by C.Bertuzzi haven't shown problems	Y	LEP tunnel								
	Flood pump	PM32 pumping		Y	LEP PM32								
	Water distribution	Raw Water - Pumping stations			CERN wide								
		Raw Water			Very high	1/1/00							
		Primary Water			Very high	1/1/00							
		Demi Water	Tests made by C.Bertuzzi haven't shown problems	Y	LEP								
		Iced Water			High	1/1/00	LEP accelerator	Mil 1553 network, SL/CO Network					
		Ventilation Alveoles			High	1/1/00							
		Air conditioning			High	1/1/00							
		Security Ventilation (pressurisation)			Very high	1/1/00							
		Primary Water			Very high	1/1/00							
		Demi Water			Very high	1/1/00							
		Demi Water	LAST NEW .A communication driver is not fully compliant	N	SPS BA6								
		Demi Water			SM 18	Medium	1/1/00	SPS accelerator	SPS Ethernet network	No cooling for BA6 Installation arretée			
		Air conditioning			SPS	High	1/1/00	ST/CV + SCR		Vicente?			
		Air conditioning			PS	Medium	1/1/00						
		Demi Water			PS	Medium	1/1/00						
		Iced Water			PS	Medium	1/1/00						
		Iced Water			MEYRIN	High	1/1/00						
		Iced Water			SPS	High	1/1/00	BA80?					
		Reject water			CERN wide	Very high	1/1/00						
		Compressed Air			CERN wide	?High	1/1/00			peu de risques	Marche manuelle		
		Central Heating			CERN wide	High	1/1/00			Arrêt total	Marche manuelle avec présence hum		
EL													
	Electricity Distribution	HV/MV protection(SEPAM)/Alimentation	Compliance statement has been requested	Y	CERN wide	Very High	Shut-down 99-00	All CERN		Loss of electrical power	Piquet Electrique on standby	Test in real time at end of LEP run	
	**	High voltage regulation	Compliant	N	LEP	Medium	**	LEP Experiments				Test in real time at end of LEP run	
	**	Diesel generators/Groupes electrogènes	T o be verified	Y	CERN wide	High	Shut-down	All CERN		Loss of backup electrical		Test in real time	
		Chargeurs et batteries	Pas d'incidence	Y									
		(aucun systeme informatique)					99-00			power (security)	Piquet electrique on	at end of LEP run	

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	Arrets d'urgences	Pas d'incidence (aucun systeme informatique)	Y								standby		
	Eclairage de secours	Pas d'incidence (aucun systeme informatique)	Y										
**	Front end data acquisition computers	Compliant	N	CERN wide	Medium	**	ST-EL/TCR	Mill 1553 network , Ethernet				Verify in collaboration with SL-CO	
**	Data acquisition processes	To be verified	N	CERN wide	Medium	**	ST-EL/TCR	**				Verify in collaboration with SL-CO	
**	HP consoles and data servers	Compliant		CERN wide	Low		ST-EL/TCR	**					
**	Data base applications	Compliance is being verified.	N	Study office	Low	1/1/00	ST-EL						
**	Electrical disturbance recorders	Compliance statement has been requested	N	CERN wide	Low	1/1/00	ST-EL					Test in real time at end of LEP run	
**	General emergency stops (level 3 alarms)	Compliant	Y	CERN wide	High	Shut-down 99-00	All CERN				Piquet electrique on standby		
**	Electrical Network Supervisor	Compliance statement has been requested	N	CERN wide	Low		ST-EL/TCR	*					
Telephone	Pabx telephone exchange	Compliance to be verified	Y?	CERN wide	High	1/1/00	All CERN					To be defined with Alcatel	
**	Emergency (red) telephones. (localisation)	Compliance to be verified	Y	CERN wide	High	Shut-down 99-00	All CERN					Test in real time at end of LEP run	
<b>AA</b>													
Fire detection system	HEKATRON (BMZ)	OK	Y	LEP	Medium	1/1/00	CERN, Fire Brigade	electrical power alarm transmission network for SCR/TCR	No protection to fires		Manned supervision of the protected area by Fireman.	Local test	
	DEF (NOVA VEGA)	OK	Y	LEP	Medium	1/1/00	CERN, Fire Brigade	ditto	No protection to fires		Manned supervision of the protected area by Fireman.	Local test	
	DEF (MPDA (PS Bt.354))	Test to be carried out	N	CERN area	High	1/1/00	CERN, Fire Brigade	ditto	No protection to fires		Manned supervision of the protected area by Fireman.	Local test	
	VESDA	OK	N	CERN area	Medium	1/1/00	CERN, Fire Brigade	ditto	No protection to fires		Manned supervision of the protected area by Fireman.	Local test	
	IMS	Test to be carried out	Y	LEP	High	1/1/00	CERN, Fire Brigade	ditto	No protection to fires		Manned supervision of the protected area by Fireman.	Local test	
	IMS (704-PSI)	Test to be carried out	Y	LEP	High	1/1/00	CERN, Fire Brigade	ditto	No protection to fires		Manned supervision of the protected area by Fireman.	Local test	
	KILSEN (KSI-900)	OK. Date must be corrected after the passage of Y2K. Functionality not affected	N	CERN area	Medium	1/1/00	CERN, Fire Brigade	ditto	No protection to fires		Manned supervision of the protected area by Fireman.	Local test	
	CERBERUS (Algorex)	Test to be carried out	N	CERN area	High	1/1/00	CERN, Fire Brigade	ditto	No protection to fires		Manned supervision of the protected area by Fireman.	Local test	
	Desenf. SPS (GTD)	OK	N	CERN area	Medium	1/1/00	CERN, Fire Brigade	ditto	No protection to fires		Manned supervision of the protected area by Fireman.	Local test	
	Software on PLCs (GTD & others)	Test to be carried out	N	CERN area	High	1/1/00	CERN, Fire Brigade	ditto	No protection to fires		Manned supervision of the protected area by Fireman.	Local test	
Gas detection system	IGD (RMS804)	OK	Y	LEP	Medium	1/1/00	CERN, Fire Brigade	ditto	No protection to gas leaks		Manned supervision of the protected area by Fireman.	Local test	
	ICARE (MDXi)	OK	N	CERN area	Medium	1/1/00	CERN, Fire Brigade	ditto	No protection to gas leaks		Manned supervision of the protected area by Fireman.	Local test	
	ICARE (TOXALARM)	<b>Not OK</b>	N	CERN area	High	1/1/00	CERN, Fire Brigade	ditto	No protection to gas leaks		Manned supervision of the protected area by Fireman.	Local test	
	GFG (GFG-GMA100)	OK	N	CERN area	Medium	1/1/00	CERN, Fire Brigade	ditto	No protection to gas leaks		Manned supervision of the protected area by Fireman.	Local test	

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	SERVOMEX (MOD-1175)	OK	N	CERN area	Medium	1/1/00	CERN, Fire Brigade	ditto	No protection to gas leaks		Manned supervision of the protected area by Fireman.	Local test	
	OLDHAM (MX41)	OK	N	CERN area	Medium	1/1/00	CERN, Fire Brigade	ditto	No protection to gas leaks		Manned supervision of the protected area by Fireman.	Local test	
	OLDHAM (MX51)	OK	N	CERN area	Medium	1/1/00	CERN, Fire Brigade	ditto	No protection to gas leaks		Manned supervision of the protected area by Fireman.	Local test	
	OLDHAM (VIGIPARK)	Test to be carried out	N	CERN area	High	1/1/00	CERN, Fire Brigade	ditto	No protection to gas leaks		Manned supervision of the protected area by Fireman.	Local test	
	SIEGER (1300)	OK	N	CERN area	Medium	1/1/00	CERN, Fire Brigade	ditto	No protection to gas leaks		Manned supervision of the protected area by Fireman.	Local test	
	SIEGER (FS16)	OK	N	CERN area	Medium	1/1/00	CERN, Fire Brigade	ditto	No protection to gas leaks		Manned supervision of the protected area by Fireman.	Local test	
	SIEGER (2501)	OK	N	CERN area	Medium	1/1/00	CERN, Fire Brigade	ditto	No protection to gas leaks		Manned supervision of the protected area by Fireman.	Local test	
	SIEGER (1501)	OK	N	CERN area	Medium	1/1/00	CERN, Fire Brigade	ditto	No protection to gas leaks		Manned supervision of the protected area by Fireman.	Local test	
	SIEGER (CE )	OK	N	CERN area	Medium	1/1/00	CERN, Fire Brigade	ditto	No protection to gas leaks		Manned supervision of the protected area by Fireman.	Local test	
	SIEGER (5700)	OK	Y	CERN area	Medium	1/1/00	CERN, Fire Brigade	ditto	No protection to gas leaks		Manned supervision of the protected area by Fireman.	Local test	
	Software Supervision Gas (GTD)	Test to be carried out	N	CERN area	High	1/1/00	CERN, Fire Brigade	ditto	No protection to gas leaks		Manned supervision of the protected area by Fireman.	Local test	
	Software on PLCs (GTD & others)	Test to be carried out	N	CERN area	High	1/1/00	CERN, Fire Brigade	ditto	No protection to gas leaks		Manned supervision of the protected area by Fireman.	Local test	
SUSI Access Control	PM15, PM25, PX241, PM32, PZ33, PM45, PZ45, PM56, PM65, PZ65, PM76, PM85, PZ85, SY4, EntA, BA864, BA865, BA866, BA874, BA530, BA936	Not compliant	N	CERN wide	Medium	1/1/00	All CERN	Network, Frontends	All supervised accesses in free access (disabled)		On-call service for Access Control Systems	Local test	
	PCR (SPS), SGS SPS1, SGS SPS2, SGS SPS3, SGS SPS4, SGS SPS5, SGS SPS6, SGS SPS7, SGS MCR, SGS B880, SGS BA80, SGS SM18, SGS RN84, SGS BA81, CSA PO1, CSA PO2, CSA SERV.	OK	N	CERN wide	Medium	1/1/00	All CERN	Network, Frontends	All supervised accesses in free access (disabled)		On-call service for Access Control Systems	Local test	
ZORA Access Control	PS Primary beam areas Equipment Layer	Test to be carried out	N	PS ring	High	Shutdown 99-2000	PS Accelerator	Network, Frontends	No Beam and no access	No access (MCR)	On-call service for Access Control Systems	Local test	
	PS Primary beam areas Supervision Layer	Test to be carried out	N	PS ring	High	Shutdown 99-2000	MCR	HP, Network, PS equipment layer	No Beam and no access	No access (MCR)	On-call service for Access Control Systems	Local test	
	PS Secondary beam areas Equipment Layer	Test to be carried out	N	PS experimental areas	Medium	Shutdown 99-2000	PS Accelerator	Network, Frontends	No Beam and no access	No controlled access	On-call service for Access Control Systems	Local test	
	PS Secondary beam areas Supervision Layer	OK	N	PS experimental areas	Medium	Shutdown 99-2000	MCR, PS Accelerator	HP, Network, PS equipment layer	No Beam and no access	No controlled access	On-call service for Access Control Systems	Local test	
	SPS Primary beam areas Equipment Layer	Test to be carried out	N	SPS ring	High	Shutdown 99-2000	SPS Accelerator	Network, Frontends	No Beam and no access	No access (PCR)	On-call service for Access Control Systems	Local test + on-line test 1st Week 2000	
	SPS Primary beam areas Supervision Layer	Test to be carried out	N	SPS ring	High	Shutdown 99-2000	PCR	HP, Network, SPS equipment layer	No Beam and no access	No access (PCR)	On-call service for Access Control Systems	Local test + on-line test 1st Week 2000	
	SPS Secondary beam areas Equipment Layer	Test to be carried out	N	SPS North and West experimental area	Medium	Shutdown 99-2000	SPS Accelerator	Network, Frontends	No Beam and no access	No controlled access	On-call service for Access Control Systems	Local test	
	SPS Secondary beam areas Supervision Layer	Test to be carried out	N	SPS North and West experimental area	Medium	Shutdown 99-2000	EWCR, ENCR, SPS Accelerator	HP, Network, SPS equipment layer	No Beam and no access	No controlled access	On-call service for Access Control Systems	Local test	
	LEP Equipment Layer	Test to be carried out	Y	LEP	Very High	Shutdown 99-2000	LEP Accelerator	Network, Frontends	No Beam and no access	No access (PCR)	Integration test to plan (first week in January)	Local test + on-line test 1st Week 2000	
	LEP Supervision Layer	Test to be carried out	Y	LEP	High	Shutdown 99-2000	PCR	HP, Network, LEP equipment layer	No Beam and no access	No access (PCR)	Integration test to plan (first week in January)	Local test + on-line test 1st Week 2000	
HM													
CAR POOL	Omnis	Need next version	N	MEY			HM						
CRANE	Telemechanique	OK	N	LEP/SPS/PREV/MEY			ST/HM/PR						

