	o-08			_		estOH(es - 200							
				Done (green)				month (d	orange)			1 month	(red)	
ID	Date	Milestone	ASGC	CC IN2P3	CERN	DE- KIT	INFN CNAF	NDGF	PIC	RAL	SARA NIKHEF	TRIUMF	BNL	FNAL
		24x7 Support												
WLCG-		24x7 Support Definition												
07-01	2007	Definition of the levels of support and rules to follow, depending on the issue/alarm												
WLCG-	Apr	24x7 Support Tested												
07-02	2007	Support and operation scenarios tested via realistic				Apr	June							
		alarms and situations				2008	2008							
WLCG-	Jun	24x7 Support in Operations				A ===	luna		A ===		A 2.5			
07-03	2007	The sites provides 24x7 support to users as standard operations				Apr 2008	June 2008		Apr 2008		Apr 2008			
		VOBoxes Support												
WLCG-	Apr	VOBoxes SLA Defined												
07-04		Sites propose and agree with the VO the level of	Mar 2008	Jul 2008					Mar 2008					
		support (upgrade, backup, restore, etc) of VOBoxes	2000	2000					2000					
WLCG- 07-05	May 2007	VOBoxes SLA Implemented VOBoxes service implemented at the site according to	Apr	Jul				Mar	Mar		Apr			
0, 00		the SLA	2008	2008				2008	2008		2008			
WLCG-	Jul	VOBoxes Support Accepted by the ALICE	n/a						n/a			n/a	n/a	n/a
07-05b	2007	Experiments VOBoxes support level agreed by the						n/a	n/a					n/a
		experiments cms						n/a			n/a	n/a	n/a	
		LHCb	n/a					n/a				n/a	n/a	n/a
		VOMS Job Priorities												
		VOMS Milestones below suspended				ing Gr	oup def	ines ne	w mile	stones	S.			
NLCG-07 06b	Jun 2007	New VOMS YAIM Release and Documentation VOMS release and deployment. Documentation on how to	E	GEE-SA	1									
UUD	2001	configure VOMS for sites not using YAIM												
NLCG-07	Apr	Job Priorities Available at Site												
06	2007	Mapping of the Job priorities on the batch software of the site												
		completed and information published												
NLCG-07 07	Jun 2007	Job Priorities of the VOs Implemented at Site Configuration and maintenance of the jobs priorities as												
o,	2007	defined by the VOs. Job Priorities in use by the VOs.												
		Accounting												
WLCG-	Mar	Accounting Data published in the APEL Repository												
07-08	2007	The site is publishing the accounting data in APEL.												
		Monthly reports extracted from the APEL Repository.												
WLCG-	Jun	MSS Main Storage Systems CASTOR 2.1.3 in Production at CERN												
07-25	2007	MSS system supporting SRM 2.2 deployed in	C	ERN Tie	·-0									
		production at the site												
WLCG- 07-26	Nov 2007	SRM: CASTOR 2.1.6 Tested and Accepted by the Experiments at all Sites		ALICE		ATLAS		CMS				LHCb		
0. 20		From the SRM Roll-Out Plan (SRM-16 to -19)		n/a		Nov 2007		1	Nov 200	07	Nov 200		7	
WLCG-	Nov	SRM: dCache 1.8 Tested and Accepted by the		ALICE		ATLAS		CMS			LHCb			
07-27	2007	Experiments From the SRM Roll-Out Plan (SRM-16 to -19)		n/a		Nov 2007			Nov 2007			Nov 2007		
WLCG-	May	SRM Missing MoU Features Implemented												
07-30b	2008	With full features agreed in the HEP MoU (srmCopy,	CASTOR				DCache			DPM				
		etc). CAF CERN Analysis Facility												
WLCG-		Experiment provide the Test Setup for the CAF												
07-40	2007	Specification of the requirements and setup needed by	ALICE			ATLAS May 2008		CMS May 2008			LHCb May 2008			
		each Experiment											., 200	
		WLCG H	igh Le	vel Mile	estone	s - 200	18							
WI CC		OSG RSV Tests												
WLCG- 08-01		RSV Tier-2 CE Tests Equivalent to SAM Successful WLCG verification of OSG test equivalence		DSG-RS										
•-		of RSV tests to WLCG CE tests	,	-K3	v									
WLCG-	Jun	RSV Tier-2 SE Tests Equivalent to SAM												
08-01b	2008	Successful WLCG verification of OSG test equivalence	(DSG-RS	V									
		of RSV tests to WLCG SE tests												
WLCG-		OSG Tier-2 Reliability Reported OSG RSV information published in SAM and GOCDB												
08-02	2008	databases. Reliability reports include OSG Tier-2 sites.	(DSG-RS	V									
		, ,												
		MSS/Tape Metrics												
WLCG-		Tape Efficiency Metrics Published				June								
08-03	2008	Metrics are collected and published weekly				2008								
		Tier-1 Procurement												
WLCG-	1 Apr	MoU 2008 Pledges Installed		CPU			CPU	CPU	CPU				CPU	CPU
		To fulfill the agreement that all sites procure they MoU	Sept	OK May	Apr	Apr	Jul 08	OK May Disk	OK May Disk	Apr 2008	Nov 2008	Apr 2008	Jun 08 Disk	80% Disk
07-17		pledged by April of every year	2008	Disk	2008	2008	Disk							

ID	Date	Milestone		ASGC	CC IN2P3	CERN	DE- KIT	INFN CNAF	NDGF	PIC	RAL	SARA NIKHEF	TRIUMF	BNL	FNAL		
WLCG- 08-04		Sites Report on the Status of the MoU 2009 Procurement Reporting whether is on track with the MoU ple April. Or which is the date when the pledges wi fulfilled.															
WLCG- 08-05		MoU 2009 Pledges Installed To fulfill the agreement that all sites procure th pledged by April of every year	ey MoU														
		glexec/Pilot Jobs															
WLCG- 08-13	May 2008	Glexec and Pilot Jobs Implemented at the Tier-1 Sites			Pilot Jobs Working Group evaluating the Experiments frameworks (10 June 2008)												
WLCG-	Tier-1 Sites Reliability - June 2008 G- Jun Tier-1 Sites Reliability above 95% Jan 93%																
08-06	Jun 2008	Tier-1 Sites Reliability above 95% Considering each Tier-0 and Tier-1 site Feb 93%						70 20	92 84		92	57 84		91 67	85		
			Mar 93%					86		88				80			
			Apr 93% May 93%					76 88	84			90			92		
			June 95%					86							93		
WLCG- 08-07		Average of Best 8 Sites above 97% Average of eight sites should reach a reliability above 97%			Averages of the 8 Best sites Jan-Jun 2008 Jan 96 - Feb 96 - Mar 96 - Apr 96 - May 98 - Jun 96												
		SAM VO-Specific Tests															
WLCG- 08-08		VO-Specific SAM Tests in Place With results included every month in the Site Availability Reports.			ALICE			ATLAS			CMS		LHCb				
WLCG-		Tier-2 Federations Mllestones															
08-09		Weighted Average Reliability of the Tier-2 Federation above 95% Average of each Tier-2 Federation weighted accordinging to the sites pledges		See separated table of Tier-2 Federations.													
WLCG- 08-10		Installed Capacity above 2008 Pledges of th Federation Capacity at each Tier-2 Federation vs. the Federation		See separated table of Tier-2 Federations.													
		Tier-1 Sites Reliability - Dec 2008															
WLCG- 08-11	Dec 2008	Considering each Tier-0 and Tier-1 site Aug 9 Sept 9 Oct 9	Jul 95% Aug 95%		94			79	88			91					
	2000		Sept 95%														
			Oct 95%														
			Nov 95% Dec 97%														
WLCG- 08-12		Average of ALL Tier-1 Sites above 98% The average across ALL Tier-1 sites should reach a reliability above 97%						1			1	1	ı		ı		
WLCG- 07-09	2007	3D Oracle Service in Production Oracle Service in production, and certified by tl Experiments	leted / C	ancell	ed Hig	h Leve	el Mile:	stones							squid frontier		
WLCG- 07-10	2007	3D Conditions DB in Production Conditions DB in operations for ATLAS, CMS, LHCb. Tested by the Experiments.	and												squid frontier		
WLCG-	Jun	Site Reliability - June 2007 Site Reliability above 91%	Apr 88%														
07-12	2007	Considering each Tier-0 and Tier-1 site May	May 88%														
		(Note: orange means > 90% of target)	Jun 91% Jul 91%														
		(1.1. 1. 1. <u>0</u> 1 30 / 0 0	Jul 91% Aug 91%														
			Sept 91%														
WLCG- 07-13	2007	Average of Best 8 Sites above 93% Eight sites should reach a reliability above 93%	Averages of the 8 Best sites Apr-Sept 2007 Apr 92 - May 94 - Jun 87 - Jul 93 - Aug 94 - Sept 93														
WLCG-		Procurement MoU 2007 Pledges Installed															
07-16	2007	To fulfill the agreement that all sites procure th MoU pledged by July 2007	e 2007														
WLCG- 07-18	Jun	FTS 2.0 FTS 2.0 Tested and Accepted by the Experiments In production at CERN and accepted tested by each Experiment			ALICE			ATLAS			CMS			LHCb			

ID	Date	Milestone	,	ASGC	CC IN2P3	CERN	DE- KIT	INFN CNAF	NDGF	PIC	RAL	SARA NIKHEF	TRIUMF	BNL	FNAL	
WLCG- 07-19	Jun 2007	Multi-VO Tests Executed and Tested by the Experiments Scheduled at CERN for last week of June			(will be part of CCRC in February and May 2008)											
WLCG- 07-20		FTS 2.0 Deployed in Production Installed and in production at each Tier-1 Site														
		BDII														
WLCG- 07-21		BDII Guidelines Available On how to install BDII on a separated node	de		GEE - S/ requeste											
WLCG- 07-22	Jun 2007	Top-Level BDII Installed at the Site For each Tier-1 site														
		glexec														
WLCG- 07-24	2007	Decision on Usage of glexec and Guidelines to Follow	,		GDB											
		MSS Main Storage Systems														
WLCG- 07-28	Sept 2007	Demonstrated Tier-0 Performance (Storage, DN Demonstration that the highest throughput (ATLAS 2008) can be reached.		CE	ERN Tie	r-0										
WLCG- 07-28b	Sept 2007	Demonstrated Tier-0 Export to Tier-1 Sites Demonstration that the highest throughput (ATLAS 2008) can be reached.	S	CE	ERN Tie	r-0										
WLCG- 07-29	Feb 2008	SRM: CASTOR 2.1.6/dCache in Production at T From the SRM Roll-Out Plan (SRM-20 to -21a)	1													
WLCG- 07-30	Dec 2007	SRM Implementations with HEP MoU Features With features agreed in HEP MoU (srmCopy, etc).		CASTOR			DCache DP					u l				
		WN and UI														
WLCG- 07-31		WN Installed in Production at the Tier-1 Sites WN on SL4 installed on each Tier-1 site, with the configuration needed to use SL4 or SL3 nodes							n/a				n/a			
WLCG- 07-32	Jun 2007	UI Certification and Installation on the PPS Sys	stems		E - SA1- ne: Jul 20											
WLCG- 07-33	Aug 2007	UI Tested and Accepted by the Experiments		ALICE		ATLAS			CMS			LHCb				
		xrootd														
WLCG- 07-41	2007	xrootd Interfaces Tested and Accepted by ALIC	CE		ALICE											
SAM Vo-Specific Tests																
WLCG- 07-39		VO-Specific SAM Tests in Place With results included every month in the Site Avail Reports.	lability	POSTPONED TO			2008	2008 AND REPLACED BY A NEW MILESTONE (\)						-08-08)	
		Site Reliability - Dec 2007														
WLCG-	Dec		lug 91%													
07-14	2007	_	ept 91%													
		(NI=4===================================	Oct 91% lov 91%													
		, , , , , , , , , , , , , , , , , , , ,	Dec 93%													
			Jan 93%													
		F	eb 93%													
WLCG- 07-15	Dec 2007	Average of Best 8 Sites above 95% Eight sites should reach an average > 95%										- Jan 200 95 A59-				