



WLCG - Tier-2 Accounting Summary

October 2007

Efficiency factor for Tier-2 sites - utilisation 60% of pledge as specified in TDR

CPU usage in month (KSI2K-Hrs)

Federation	2007 CPU Pledge (KSI2K)	pledge inc. efficiency (KSI2K-Hrs)	Site(s)	ALICE	ATLAS	CMS	LHCb	Total	delivered as % of pledge
Australia, University of Melbourne			Australia-UNIMELB-LCG2		2,634			2,634	
AU-ATLAS	40	17,856			2,634			2,634	15%
Austria, Austrian Tier-2 Federation			HEPHY-UIBK		775			775	
AT-HEPHY-VIENNA-UIBK	420	187,488			775			775	0%
Belgium, Belgian Tier-2 Federation			BEgrid-ULB-VUB			6,865		6,865	
			BelGrid-UCL			48,817		48,817	
BE-TIER2	600	267,840				55,682		55,682	21%
China, IHEP, Beijing			BEIJING-LCG2		1,106	798		1,904	
CN-IHEP	400	178,560			1,106	798		1,904	1%
Czech Rep., FZU AS, Prague			prague_lcg2	32,656	24,107			56,763	
			prague_cesnet_lcg2		3,371			3,371	
CZ-Prague-T2	80	35,712		32,656	27,478			60,134	168%
Finland, NDGF/HIP Tier2			no information received from collaboration board member						
FI-	187	83,477							
France, CC-IN2P3 AF			IN2P3-CC-T2						
FR-IN2P3-CC-T2	320	142,848							
France, GRIF, Paris			GRIF	180,245	151,898	4,996	5,822	342,961	
FR-GRIF	583	260,251		180,245	151,898	4,996	5,822	342,961	132%
France, LAPP, Annecy			IN2P3-LAPP		86,953		11,951	98,904	
FR-IN2P3-LAPP	350	156,240			86,953		11,951	98,904	63%
France, LPC, Clermont-Ferrand			IN2P3-LPC	162,625	231,348		949	394,922	
FR-IN2P3-LPC	450	200,880		162,625	231,348		949	394,922	197%
France, SUBATECH, Nantes			IN2P3-SUBATECH	232,285				232,285	
FR-IN2P3-SUBATECH	224	99,994		232,285				232,285	232%
Germany, GSI, Darmstadt			GSI-LCG2	366				366	
DE-GSI	260	116,064		366				366	0%
Germany, DESY, Hamburg			DESY-HH						
			DESY-ZN				2,940	2,940	
DE- DESY-LHCb-T2	80	35,712					2,940	2,940	8%
Germany, ATLAS Federation FR/W			UNI-FREIBURG		16,019			16,019	
			wuppertalprod		50,234			50,234	
DE-FREIBURGWUPPERTAL	80	35,712			66,253			66,253	186%

Federation	2007 CPU Pledge (KSI2K)	pledge inc. efficiency (KSI2K- Hrs)	Site(s)	ALICE	ATLAS	CMS	LHCb	Total	delivered as % of pledge
Germany, ATLAS Federation, Munich			DESY-HH		56,854			56,854	
			DESY-ZN		79,426			79,426	
DE-DESY-ATLAS-T2	60	26,784			136,280			136,280	509%
Germany, CMS Federation			DESY-HH			73,134		73,134	
			DESY-ZN			329		329	
			RWTH-Aachen			44,339		44,339	
DE-DESY-RWTH-CMS-T2	500	223,200				117,802		117,802	53%
India, TIFR, Mumbai			INDIACMS-TIFR						
IN-INDIACMS-TIFR	131	58,478							
India, VECC/SINP, Kolkata			IN-DAE-VECC-01	6,461				6,461	
IN-DAE-KOLKATA-TIER2	282	125,885		6,461				6,461	5%
Israel, HEP-IL Tier-2 Federation			WEIZMANN-LCG2	3	6,995	38	725	7,761	
			TAU-LCG2	7	3,856	2	482	4,347	
IL-HEPTier-2	61	27,230		10	10,851	40	1,207	12,108	44%
Italy, INFN ALICE Federation			INFN-BARI	9,992				9,992	
			INFN-CATANIA	83,599				83,599	
			INFN-FRASCATI						
			INFN-LNL-2	21,084				21,084	
			INFN-MILANO						
			INFN-NAPOLI-ATLAS						
			INFN-PISA						
			INFN-ROMA1						
			INFN-ROMA1-CMS						
			INFN-TORINO	88,654				88,654	
IT-ALICE-federation	550	245,520		203,329				203,329	83%
Italy, INFN ATLAS Federation			INFN-BARI		3,474			3,474	
			INFN-CATANIA						
			INFN-FRASCATI		12,774			12,774	
			INFN-LNL-2		2,629			2,629	
			INFN-MILANO		34,844			34,844	
			INFN-NAPOLI-ATLAS		25,160			25,160	
			INFN-PISA						
			INFN-ROMA1		11,589			11,589	
			INFN-ROMA1-CMS						
			INFN-TORINO		1			1	
IT-ATLAS-federation	400	178,560			90,471			90,471	51%

Federation	2007 CPU Pledge (KSI2K)	pledge inc. efficiency (KSI2K-Hrs)	Site(s)	ALICE	ATLAS	CMS	LHCb	Total	delivered as % of pledge
Italy, INFN CMS Federation			INFN-BARI			11,113		11,113	
			INFN-CATANIA						
			INFN-FRASCATI						
			INFN-LNL-2			83,404		83,404	
			INFN-MILANO						
			INFN-NAPOLI-ATLAS						
			INFN-PISA			56,957		56,957	
			INFN-ROMA1						
			INFN-ROMA1-CMS			5,289		5,289	
			INFN-TORINO						
IT-CMS-federation	400	178,560				156,763		156,763	88%
Italy, INFN LHCb Federation			INFN-BARI				3	3	
			INFN-CATANIA						
			INFN-FRASCATI						
			INFN-LNL-2				3	3	
			INFN-MILANO						
			INFN-NAPOLI-ATLAS						
			INFN-PISA						
			INFN-ROMA1						
			INFN-ROMA1-CMS						
			INFN-TORINO				297	297	
IT-LHCb-federation	150	66,960					303	303	0%
Japan, ICEPP, Tokyo			TOKYO-LCG2		311,810			311,810	
JP-Tokyo-ATLAS-T2	1,000	446,400			311,810			311,810	70%
Norway, UNINETT SIGMA Tier-2			no information received from collaboration board member						
NO-									
Pakistan, Pakistan Tier-2 Federation			NCP-LCG2			71	1	72	
			PAKGRID-LCG2						
PK-CMS-T2	410	183,024				71	1	72	0%
Poland, Polish Tier-2 Federation			AMD64.PSNC.PL		1	92		93	
			CYFRONET-IA64	2,271		4		2,275	
			CYFRONET-LCG2	976	106,345	117	2,156	109,594	
			egee.man.poznan.pl	5,566	1	14		5,581	
			WARSAW-EGEE	543	5,101	67,484	10,908	84,036	
PL-TIER2-WLCG	650	290,160		9,356	111,448	67,711	13,064	201,579	69%

Federation	2007 CPU Pledge (KSI2K)	pledge inc. efficiency (KSI2K- Hrs)	Site(s)	ALICE	ATLAS	CMS	LHCb	Total	delivered as % of pledge
Portugal, LIP Tier-2 Federation			LIP-Coimbra		112	3		115	
			LIP-Lisbon		19,063	920		19,983	
PT-LIP-LCG-Tier2	500	223,200			19,175	923		20,098	9%
Romania, Romanian Tier-2 Federation			NIHAM	158,323				158,323	
			RO-01-ICI						
			RO-02-NIPNE		21,637			21,637	
			RO-03-UPB						
			RO-07-NIPNE	19,967	44,458		294	64,719	
			RO-11-NIPNE				271	271	
RO-LCG	735	328,104		178,290	66,095		565	244,950	75%
Russian Fed., Russian Data-Intensive GRID			RU-Protvino-IHEP	1,332	19,028	37	377	20,774	
			ITEP	92,213	31,279	461	14,388	138,341	
			JINR-LCG2	266,148	2,861	11,516	149	280,674	
			RRC-KI	1	2	45	76	124	
			RU-Moscow-SINP-LCG2	407	114	3	70	594	
			RU-Moscow-FIAN-LCG2		199	1		200	
			RU-Moscow-MEPHI-LCG2		472			472	
			RU-SPbSU						
			RU-Phys-SPbSU	308				308	
			RU-PNPI-LCG2	94,501	36,296	1,758	2,025	134,580	
			RU-Troitsk-INR-LCG2	10,628		113	104	10,845	
RU-RDIG	3,100	1,383,840		465,538	90,251	13,934	17,189	586,912	42%
Slovenia, SiNET			SINET		93,175			93,175	
SI-SINET	200	89,280			93,175			93,175	104%
Spain, ATLAS Federation			Ifae		25,814			25,814	
			IFIC-LCG2		64,980			64,980	
			UAM-LCG2		110,934			110,934	
ES-ATLAS-T2 tbc	117	52,229			201,728			201,728	386%
Spain, CMS Federation			CIEMAT-LCG2			73,068		73,068	
			IFCA-LCG2			8,078		8,078	
ES-CMS-T2	380	169,632				81,146		81,146	48%
Spain, LHCb Federation			UB-LCG2				81	81	
			USC-LCG2				568	568	
ES-LHCb-T2	118	52,675					649	649	1%
Sweden, SNIC Tier-2			no information received from collaboration board member						
SE-	244	108,922							
Switzerland, CHIPP			CSCS-LCG2		14,852	32,381	6,572	53,805	
CH-CHIPP-CSCS	200	89,280			14,852	32,381	6,572	53,805	60%

Federation	2007 CPU Pledge (KSI2K)	pledge inc. efficiency (KSI2K- Hrs)	Site(s)	ALICE	ATLAS	CMS	LHCb	Total	delivered as % of pledge
Taipei, Taiwan Analysis Facility Federation			TW-FTT		63	24		87	
TW-	310	138,384			63	24		87	0%
UK, London Tier 2			UKI-LT2-Brunel	996	114,055	22,366	12,522	149,939	
			UKI-LT2-IC-HEP	614	54,884	99,527	78	155,103	
			UKI-LT2-IC-LeSC	4	1,743	340	1	2,088	
			UKI-LT2-QMUL	642	65,752	389	219	67,002	
			UKI-LT2-RHUL	75	21,548	2,294	114	24,031	
			UKI-LT2-UCL-CENTRAL	218	2,069	74	123	2,484	
			UKI-LT2-UCL-HEP		24			24	
UK-London-Tier2	2,500	1,116,000		2,549	260,075	124,990	13,057	400,671	36%
UK, NorthGrid			UKI-NORTHGRID-LANCS-HEP	398	71,505	242	744	72,889	
			UKI-NORTHGRID-LIV-HEP	93	113,113	184	5,156	118,546	
			UKI-NORTHGRID-MAN-HEP	995	380,989	359	427	382,770	
			UKI-NORTHGRID-SHEF-HEP	439	20,810	4	4,327	25,580	
UK-NorthGrid	2,600	1,160,640		1,925	586,417	789	10,654	599,785	52%
UK, ScotGrid			UKI-SCOTGRID-DURHAM	196	24,128	242	2,367	26,933	
			ScotGRID-Edinburgh	44	20	6	102	172	
			UKI-SCOTGRID-GLASGOW		78,232	60	9,186	87,478	
UK-ScotGrid	340	151,776		240	102,380	308	11,655	114,583	75%
UK, SouthGrid			EFDA-JET	154	339	73		566	
			UKI-SOUTHGRID-BHAM-HEP	218	3,027	42	19	3,306	
			UKI-SOUTHGRID-BRIS-HEP	65	1,880	114	398	2,457	
			UKI-SOUTHGRID-CAM-HEP		727		11	738	
			UKI-SOUTHGRID-OX-HEP	1,058	13,506	203	3,898	18,665	
			UKI-SOUTHGRID-RALPP	2	48,141	946	196	49,285	
UK-SouthGrid	940	419,616		1,497	67,620	1,378	4,522	75,017	18%
Ukraine, Ukrainian Tier-2 Federation			no information received from collaboration board member						
UA-	600	267,840							
USA, Great Lakes ATLAS T2			AGLT2		211,851			211,851	
US-AGLT2	581	259,358			211,851			211,851	82%
USA, Northeast ATLAS T2			BU_ATLAS_Tier2		152,944			152,944	
			BU_ATLAS_Tier2o						
US-NET2	394	175,882			152,944			152,944	87%

Federation	2007 CPU Pledge (KSI2K)	pledge inc. efficiency (KSI2K- Hrs)	Site(s)	ALICE	ATLAS	CMS	LHCb	Total	delivered as % of pledge
USA, Midwest ATLAS T2			MWT2_UC		168,421			168,421	
			MWT2_IU		117,362			117,362	
			UC_Teraport		4			4	
			UC_ATLAS_MWT2		5,384			5,384	
			IU_ATLAS_Tier2						
			IU_OSG		12,050			12,050	
US-MWT2	826	368,726			303,221			303,221	82%
USA, Southwest ATLAS T2			OU_OCCHP_SWT2		16,228			16,228	
			OU_OSCER_ATLAS		19,502			19,502	
			UTA_DPCC		34,606			34,606	
			UTA_SWT2						
US-SWT2	998	445,507			70,336			70,336	16%
USA, SLAC ATLAS T2			PROD_SLAC		277,102			277,102	
US-WT2	550	245,520			277,102			277,102	113%
USA, Caltech CMS T2			CIT_CMS_T2			176,428		176,428	
US-Caltech	470	209,808				176,428		176,428	84%
USA, Florida CMS T2			Uflorida-PG			105,171		105,171	
			Uflorida-IHEPA						
			Uflorida-HPC						
US-Florida	470	209,808				105,171		105,171	50%
USA, MIT CMS T2			MIT_CMS			100,900		100,900	
US-MIT	470	209,808				100,900		100,900	48%
USA, Nebraska CMS T2			Nebraska			187,823		187,823	
US-Nebraska	470	209,808				187,823		187,823	90%
USA, Purdue CMS T2			Purdue-Lear			37,859		37,859	
			Purdue-RCAC			50,767		50,767	
US-Purdue	470	209,808				88,626		88,626	42%
USA, UC San Diego CMS T2			UCSDT2		2	62,893		62,895	
US-UCSD	470	209,808			2	62,893		62,895	30%
USA, U. Wisconsin CMS T2			GLOW			263,304		263,304	
US-Wisconsin	470	209,808				263,304		263,304	125%
Grand Total	28,191	12,584,462		1,477,372	3,746,592	1,644,881	101,100	6,969,945	55%