

## Summary of Regional Centre Capacities

13/06/2007

Tier-1 Planning for 2008		ALICE	ATLAS	CMS	LHCb	SUM 2008
<b>CPU - MSI2K</b>	Offered	6.3	21.6	11.3	3.7	42.9
	Requirements	10.2	18.1	12.4	1.8	42.5
	Balance	-38%	19%	-9%	108%	1%
<b>Disk - PBytes</b>	Offered	2.6	12.1	5.3	2.0	22
	Requirements	5.2	9.9	5.6	1.0	21.7
	Balance	-50%	22%	-5%	91%	1%
<b>Tape - PBytes</b>	Offered	3.3	8.2	9.2	1.5	22.2
	TDR Requirements	7.0	7.7	13.1	0.9	28.7
	Balance	-54%	7%	-30%	74%	-23%

Includes current planning for all Tier-1 centres

Tier-2 Planning for 2008		ALICE	ATLAS	CMS	LHCb	SUM 2008
<b>CPU - MSI2K</b>	Offered	5.7	18.4	16.8	3.6	44.5
	Requirements	9.6	17.5	15.2	4.6	46.9
	Balance	-41%	5%	10%	-21%	-5%
<b>Disk - PBytes</b>	Offered	1.3	5.8	4.2	0.2	11.5
	Requirements	2.5	7.7	4.2	n/a	14.4
	Balance	-46%	-25%	-0%	n/a	-20%
# Tier-2 federations - included(expected)		17 (19)	31 (34)	30 (34)	11 (12)	52 (57)

Tier-0 Planning for 2008		ALICE	ATLAS	CMS	LHCb	SUM 2008
<b>CPU - MSI2K</b>	Offered	3.3	3.7	3.9	0.4	11.3
	Requirements	3.3	3.7	3.9	0.4	11.3
	Balance	0%	0%	0%	0%	0%
<b>Disk - PBytes</b>	Offered	0.1	0.2	0.3	0.3	0.8
	Requirements	0.1	0.2	0.3	0.3	0.8
	Balance	0%	0%	0%	0%	0%
<b>Tape - PBytes</b>	Offered	1.2	2.4	3.6	0.6	7.8
	Requirements	1.2	2.4	3.6	0.6	7.8
	Balance	0%	0%	0%	0%	0%

CAF Planning for 2008		ALICE	ATLAS	CMS	LHCb	SUM 2008
<b>CPU - MSI2K</b>	Offered	3.9	2.1	3.8	0.0	9.8
	Requirements	3.9	2.1	3.8	0.0	9.8
	Balance	0%	0%	0%	0%	0%
<b>Disk - PBytes</b>	Offered	1.0	1.0	1.3	0.1	3.3
	Requirements	1.0	1.0	1.3	0.1	3.3
	Balance	0%	0%	0%	0%	0%
<b>Tape - PBytes</b>	Offered	1.2	0.4	1.5	0.0	3.0
	Requirements	1.2	0.4	1.5	0.0	3.0
	Balance	0%	0%	0%	0%	0%

## LCG Tier 0 and 1 Resources - 1 February 2007

CERN Tier0	2007	2008	2009	2010	2011	Split 2008	ALICE	ATLAS	CMS	LHCb	SUM 2008
CPU (kSI2K)	4480	11280	15560	22100	22100	Required	3310	3710	3900	360	11280
						Offered	3310	3710	3900	360	11280
						% of Req.	100%	100%	100%	100%	100%
Disk (Tbytes)	330	820	1090	1490	1490	Required	95	155	300	270	820
						Offered	95	155	300	270	820
						% of Req.	100%	100%	100%	100%	100%
Tape (Tbytes)	1620	7790	16630	29910	46240	Required	1180	2380	3600	630	7790
						Offered	1180	2380	3600	630	7790
						% of Req.	100%	100%	100%	100%	100%
Nominal WAN (Mbits/sec)	100000	120000	140000	160000	160000						

CERN Analysis Facility	2007	2008	2009	2010	2011	Split 2008	ALICE	ATLAS	CMS	LHCb	SUM 2008
CPU (kSI2K)	3090	9800	12880	19100	27300	Required	3940	2060	3800	0	9800
						Offered	3940	2060	3800	0	9800
						% of Req.	100%	100%	100%	100%	100%
Disk (Tbytes)	960	3330	5840	9800	13700	Required	960	990	1300	80	3330
						Offered	960	990	1300	80	3330
						% of Req.	100%	100%	100%	100%	100%
Tape (Tbytes)	790	3030	6930	10200	14400	Required	1170	360	1500	0	3030
						Offered	1170	360	1500	0	3030
						% of Req.	100%	100%	100%	100%	100%

Canada Tier1	2007	2008	2009	2010	2011	Split 2008	ALICE	ATLAS	CMS	LHCb	SUM 2008
CPU (kSI2K)	160	905	1420	2480		Offered		905			905
						% of Total		5%			5%
Disk (Tbytes)	110	500	984	1974		Offered		500			500
						% of Total		5%			5%
Tape (Tbytes)	80	385	750	1435		Offered		385			385
						% of Total		5%			5%
Nominal WAN (Mbits/sec)		10000	10000	10000							

FZK-GridKa	2007	2008	2009	2010	2011	Split 2008	ALICE	ATLAS	CMS	LHCb	SUM 2008
CPU (kSI2K)	1860	7140	11545	17388		Offered	3050	2520	1260	310	7140
						% of Total	30%	14%	10%	18%	17%
Disk (Tbytes)	880	3261	5152	8075		Offered	1000	1440	650	171	3261
						% of Total	19%	14%	12%	17%	15%
Tape (Tbytes)	1010	3443	7514	11763		Offered	1500	900	900	143	3443
						% of Total	21%	12%	7%	17%	12%
Nominal WAN (Mbits/sec)	10000	20000	20000	20000	20000						

IN2P3 Lyon	2007	2008	2009	2010	2011	Split 2008	ALICE	ATLAS	CMS	LHCb	SUM 2008
CPU (kSI2K)	1286	4490	8034	13379		Offered	840	2066	1104	480	4490
						% of Total	8%	11%	9%	27%	11%
Disk (Tbytes)	729	2391	4606	7800		Offered	413	1133	568	277	2391
						% of Total	8%	11%	10%	27%	11%
Tape (Tbytes)	745	2556	5771	10033		Offered	583	877	866	230	2556
						% of Total	8%	11%	7%	27%	9%
Nominal WAN (Mbits/sec)	10000	10000	10000	10000							

INFN CNAF	2007	2008	2009	2010	2011	Split 2008	ALICE	ATLAS	CMS	LHCb	SUM 2008
CPU (kSI2K)	1300	4500	6500	10000		Offered	990	1440	1575	495	4500
						% of Total	10%	8%	13%	28%	11%
Disk (Tbytes)	500	2000	3200	5000		Offered	440	640	700	220	2000
						% of Total	8%	6%	13%	21%	9%
Tape (Tbytes)	650	2100	3300	5000		Offered	462	672	735	231	2100
						% of Total	7%	9%	6%	27%	7%
Nominal WAN (Mbits/sec)	10000	20000	30000	40000							

Netherlands LHC/Tier1	2007	2008	2009	2010	2011	Split 2008	ALICE	ATLAS	CMS	LHCb	SUM 2008
CPU (kSI2K)	1677	4382	7544	12305	11085	Offered	317	3048		1017	4382
						% of Total	3%	17%		57%	15%
Disk (Tbytes)	1059	2510	3753	6149	7796	Offered	173	1778		559	2510
						% of Total	3%	18%		55%	16%
Tape (Tbytes)	719	1813	3548	5736	7353	Offered	173	1163		477	1813
						% of Total	2%	15%		55%	12%
Nominal WAN (Mbits/sec)	10000	10000	10000	10000	10000						

NDGF Tier1	2007	2008	2009	2010	2011	Split 2008	ALICE	ATLAS	CMS	LHCb	SUM 2008
CPU (kSI2K)	688	2107	3228	4280		Offered	1037	1070			2107
						% of Total	10%	6%			7%
Disk (Tbytes)	385	1079	1824	2180		Offered	523	556			1079
						% of Total	10%	6%			7%
Tape (Tbytes)	273	930	1898	2261		Offered	517	413			930
						% of Total	7%	5%			6%
Nominal WAN (Mbits/sec)	5000	10000	20000	20000							

ASGC Taipei	2007	2008	2009	2010	2011	Split 2008	ALICE	ATLAS	CMS	LHCb	SUM 2008
CPU (kSI2K)	1770	3400	3600	3600		Offered		1870	1530		3400
						% of Total		10%	12%		11%
Disk (Tbytes)	900	1500	2373	2373		Offered		825	675		1500
						% of Total		8%	12%		10%
Tape (Tbytes)	800	1300	2000	2000		Offered		715	585		1300
						% of Total		9%	4%		6%
Nominal WAN (Mbits/sec)	10000	10000	10000	10000							

UK Tier1	2007	2008	2009	2010	2011	Split 2008	ALICE	ATLAS	CMS	LHCb	SUM 2008
CPU (kSI2K)	1300	5220	7380	10490		Offered	92	3024	864	1240	5220
						% of Total	1%	17%	7%	70%	12%
Disk (Tbytes)	640	2790	3720	5510		Offered	49	1669	427	645	2790
						% of Total	1%	17%	8%	63%	13%
Tape (Tbytes)	1080	2070	3930	5710		Offered	26	1031	668	345	2070
						% of Total	0%	13%	5%	40%	7%
Nominal WAN (Mbits/sec)	10000	10000	10000	10000							

US-ATLAS Tier1	2007	2008	2009	2010	2011	Split 2008	ALICE	ATLAS	CMS	LHCb	SUM 2008
CPU (kSI2K)	2560	4844	7337	12765	18193	Offered		4844			4844
						% of Total		27%			27%
Disk (Tbytes)	1100	3136	5822	11637	16509	Offered		3136			3136
						% of Total		32%			32%
Tape (Tbytes)	603	1715	3277	6286	9820	Offered		1715			1715
						% of Total		22%			22%
Nominal WAN (Mbits/sec)	9952	19904	29856	39808	39808						

US-CMS Tier1	2007	2008	2009	2010	2011	Split 2008	ALICE	ATLAS	CMS	LHCb	SUM 2008
CPU (kSI2K)	1792	4300	5100	11100		Offered			4300		4300
						% of Total			35%		35%
Disk (Tbytes)	700	2000	2600	4100		Offered			2000		2000
						% of Total			36%		36%
Tape (Tbytes)	300	4700	7100	11000		Offered			4700		4700
						% of Total			36%		36%
Nominal WAN (Mbits/sec)											

Spain PIC	2007	2008	2009	2010	2011	Split 2008	ALICE	ATLAS	CMS	LHCb	SUM 2008
CPU (kSI2K)	501	1654	2647	5381		Offered		816	692	146	1654
						% of Total		5%	6%	8%	5%
Disk (Tbytes)	218	845	1578	2878		Offered		448	313	84	845
						% of Total		5%	6%	8%	5%
Tape (Tbytes)	243	1149	2425	4473		Offered		347	731	71	1149
						% of Total		5%	6%	8%	5%
Nominal WAN (Mbits/sec)	2500	10000	10000	10000							

Summary External Tier1s	2007	2008	2009	2010	2011	Split 2008	ALICE	ATLAS	CMS	LHCb	SUM 2008
CPU (kSI2K)	14894	42942	64335	103168	29278	Offered	6326	21603	11325	3688	42942
						Required	10230	18120	12400	1770	42520
						Balance	-38%	19%	-9%	108%	1%
Disk (Tbytes)	7221	22012	35612	57676	24305	Offered	2598	12125	5333	1956	22012
						Required	5220	9940	5600	1025	21785
						Balance	-50%	22%	-5%	91%	1%
Tape (Tbytes)	6503	22161	41513	65697	17173	Offered	3261	8218	9185	1497	22161
						Required	7030	7690	13100	860	28680
						Balance	-54%	7%	-30%	74%	-23%

During the 4 months after the end of heavy-ion runs ALICE requires the totality of its CERN resources in the T0. The rest of the time its CERN resources are shared between T0 (for pp reconstruction) and CAF.

The left part of the tables for each T1 shows the planned ramp-up of capacities.

The percentages in the right part of the T1 tables give for each T1 the percentage of the requirements of each experiment provided by this T1 and the percentage of the sum of requirements of the experiments served by this T1 and provided by this T1.

Requirements for all experiments are for 2008 and compared with 2008 pledges.

The left part of the summary table is just the sum of all the pledged capacities where summing up is meaningful.

The right side provides the split onto the experiments for the reference year.

Ext. Tier1 Requ. 2008	ALICE	ATLAS	CMS	LHCb	SUM
CPU (kSI2K)	10230	18120	12400	1770	42520
Disk (Tbytes)	5220	9940	5600	1025	21785
Tape (Tbytes)	7030	7690	13100	860	28680
Number of T1s	6	10	7	6	n/a

CERN Tier0	Pledged	Planned to be pledged				Comment
	2007	2008	2009	2010	2011	
CPU (kSI2K)	4480	11280	15560	22100	22100	
Disk (Tbytes)	330	820	1090	1490	1490	
Tape (Tbytes)	1620	7790	16630	29910	46240	
Nominal WAN (Mbits/sec)	100000	120000	140000	160000	160000	

CERN Analysis Facility	Pledged	Planned to be pledged				Comment
	2007	2008	2009	2010	2011	
CPU (kSI2K)	3090	9800	12880	19100	27300	
Disk (Tbytes)	960	3330	5840	9800	13700	
Tape (Tbytes)	790	3030	6930	10200	14400	

TRIUMF, Canada	Pledged	Planned to be pledged				Comment
	2007	2008	2009	2010	2011	
CPU (kSI2K)	160	910	1420	2480		
Disk (Tbytes)	110	500	980	1970		
Tape (Tbytes)	80	390	750	1440		
Nominal WAN (Mbits/sec)		10000	10000	10000		

FZK-GridKA, Germany	Pledged	Planned to be pledged				Comment
	2007	2008	2009	2010	2011	
CPU (kSI2K)	1860	7140	11550	17390		
Disk (Tbytes)	880	3260	5150	8080		
Tape (Tbytes)	1010	3440	7510	11760		
Nominal WAN (Mbits/sec)	10000	20000	20000	20000	20000	

CC-IN2P3, France	Pledged	Planned to be pledged				Comment
	2007	2008	2009	2010	2011	
CPU (kSI2K)	1290	4490	8030	13380		
Disk (Tbytes)	730	2390	4610	7800		
Tape (Tbytes)	750	2560	5770	10030		
Nominal WAN (Mbits/sec)	10000	10000	10000	10000		

CNAF, Italy	Pledged	Planned to be pledged				Comment
	2007	2008	2009	2010	2011	
CPU (kSI2K)	1300	4500	6500	10000		
Disk (Tbytes)	500	2000	3200	5000		
Tape (Tbytes)	650	2100	3300	5000		
Nominal WAN (Mbits/sec)	10000	20000	30000	40000		

Netherlands LHC/Tier1	Pledged	Planned to be pledged				Comment
	2007	2008	2009	2010	2011	
CPU (kSI2K)	1680	4380	7540	12310	11090	
Disk (Tbytes)	1060	2510	3750	6150	7800	
Tape (Tbytes)	720	1810	3550	5740	7350	
Nominal WAN (Mbits/sec)	10000	10000	10000	10000	10000	

Nordic Data Grid Facility	Pledged	Planned to be pledged				Comment
	2007	2008	2009	2010	2011	
CPU (kSI2K)	690	2110	3230	4280		
Disk (Tbytes)	390	1080	1820	2180		
Tape (Tbytes)	270	930	1900	2260		
Nominal WAN (Mbits/sec)	5000	10000	20000	20000		

ASGC, Taipei	Pledged	Planned to be pledged				Comment
	2007	2008	2009	2010	2011	
CPU (kSI2K)	1770	3400	3600	3600		
Disk (Tbytes)	900	1500	2370	2370		
Tape (Tbytes)	800	1300	2000	2000		
Nominal WAN (Mbits/sec)	10000	10000	10000	10000		

RAL, UK	Pledged	Planned to be pledged				Comment
	2007	2008	2009	2010	2011	
CPU (kSI2K)	1300	5220	7380	10490		
Disk (Tbytes)	640	2790	3720	5510		
Tape (Tbytes)	1080	2070	3930	5710		
Nominal WAN (Mbits/sec)	10000	10000	10000	10000		

BNL, US	Pledged	Planned to be pledged				Comment
	2007	2008	2009	2010	2011	
CPU (kSI2K)	2560	4840	7340	12770	18190	
Disk (Tbytes)	1100	3140	5820	11640	16510	
Tape (Tbytes)	600	1720	3280	6290	9820	
Nominal WAN (Mbits/sec)	9950	19900	29860	39810	39810	

FNAL, US	Pledged	Planned to be pledged				Comment
	2007	2008	2009	2010	2011	
CPU (kSI2K)	1790	4300	5100	11100		
Disk (Tbytes)	700	2000	2600	4100		
Tape (Tbytes)	300	4700	7100	11000		
Nominal WAN (Mbits/sec)						

PIC, Spain	Pledged	Planned to be pledged				Comment
	2007	2008	2009	2010	2011	
CPU (kSI2K)	500	1650	2650	5380		
Disk (Tbytes)	220	850	1580	2880		
Tape (Tbytes)	240	1150	2430	4470		
Nominal WAN (Mbits/sec)	2500	10000	10000	10000		

Austria, Austrian Tier-2 Federation	Pledged	Planned to be pledged				Comment
	2007	2008	2009	2010	2011	
CPU (kSI2K)	420	540	660	760		
Disk (Tbytes)	90	110	120	120		
Nominal WAN (Mbits/sec)	1000	1000	1000	1000		

Australia, University of Melbourne	Pledged	Planned to be pledged				Comment
	2007	2008	2009	2010	2011	
CPU (kSI2K)	120	350	530	870		
Disk (Tbytes)	50	170	280	440		
Nominal WAN (Mbits/sec)						

Belgium, Belgian Tier-2 Federation FNRS Contribution	Pledged	Planned to be pledged				Comment
	2007	2008	2009	2010	2011	
CPU (kSI2K)	400	700	1000	1500	1500	
Disk (Tbytes)	100	180	300	450	450	
Nominal WAN (Mbits/sec)	1000	1500	2000	2000	2000	

Belgium, Belgian Tier-2 Federation FWO Contribution	Pledged	Planned to be pledged				Comment
	2007	2008	2009	2010	2011	
CPU (kSI2K)	200	350	500	750	750	
Disk (Tbytes)	50	90	150	220	220	
Nominal WAN (Mbits/sec)	1000	1500	2000	2000	2000	

China, IHEP, Beijing	Pledged	Planned to be pledged				Comment
	2007	2008	2009	2010	2011	
CPU (kSI2K)	500	1000	1400	2000		
Disk (Tbytes)	50	400	400	600		
Nominal WAN (Mbits/sec)						

Czech Rep., FZU AS, Prague	Pledged	Planned to be pledged				Comment
	2007	2008	2009	2010	2011	
CPU (kSI2K)	80	900	2000	3600	5400	
Disk (Tbytes)	10	400	1000	2160	3400	
Nominal WAN (Mbits/sec)	1000	10000	10000	10000	10000	

Finland, NDGF/HIP Tier-2	Pledged	Planned to be pledged				Comment
	2007	2008	2009	2010	2011	
CPU (kSI2K)	190	410	670			
Disk (Tbytes)	20	100	210			
Nominal WAN (Mbits/sec)						

France, CC-IN2P3, AF	Pledged	Planned to be pledged				Comment
	2007	2008	2009	2010	2011	
CPU (kSI2K)	320	1780	3830	5260		
Disk (Tbytes)	50	190	320	510		
Nominal WAN (Mbits/sec)	10000	10000	10000	10000		
Tape (Tbytes)						

France, GRIF, Paris	Pledged	Planned to be pledged				Comment
	2007	2008	2009	2010	2011	
CPU (kSI2K)	530	1460	2610	3850		
Disk (Tbytes)	180	480	940	1260		
Nominal WAN (Mbits/sec)	1000	1000	1000	1000		

France, LPC, Clermont	Pledged	Planned to be pledged				Comment
	2007	2008	2009	2010	2011	
CPU (kSI2K)	300	300	300	300		
Disk (Tbytes)	30	30	30	30		
Nominal WAN (Mbits/sec)	1000	1000	1000	1000		

France, Subatech, Nantes	Pledged	Planned to be pledged				Comment
	2007	2008	2009	2010	2011	
CPU (kSI2K)	220	360	500	500	500	
Disk (Tbytes)	20	70	120	120	120	
Nominal WAN (Mbits/sec)	1000	1000	1000	1000	1000	

Germany, DESY, ATLAS	Pledged	Planned to be pledged				Comment
	2007	2008	2009	2010	2011	
CPU (kSI2K)	80	580	900	1720	2300	
Disk (Tbytes)	40	260	440	740	1040	
Nominal WAN (Mbits/sec)	1000	10000	10000	10000	10000	

Germany, CMS Federation	Pledged	Planned to be pledged				Comment
	2007	2008	2009	2010	2011	
CPU (kSI2K)	300	600	1000	1800	2300	DESY part of Federation!
Disk (Tbytes)	50	170	340	530	850	
Nominal WAN (Mbits/sec)	1000	10000	10000	10000	10000	

Germany, CMS Federation	Pledged	Planned to be pledged				Comment
	2007	2008	2009	2010	2011	
CPU (kSI2K)	200	450	700	700		Aachen part of Federation!
Disk (Tbytes)	50	100	150	150		
Nominal WAN (Mbits/sec)	2000	2000	2000	2000		

Germany, GSI, Darmstadt	Pledged	Planned to be pledged				Comment
	2007	2008	2009	2010	2011	
CPU (kSI2K)	260	660	860	1100	1320	
Disk (Tbytes)	80	200	260	340	450	
Nominal WAN (Mbits/sec)	100	1000	1000	1000	1000	

Germany, ATLAS Federation, Munich	Pledged	Planned to be pledged				Comment
	2007	2008	2009	2010	2011	
CPU (kSI2K)	60	330	530	880		Only MPI and RZG part of Federation!
Disk (Tbytes)	30	150	270	430		
Nominal WAN (Mbits/sec)	660	1000	1000	1000		

India, VECC/SINP, Kolkata	Pledged	Planned to be pledged				Comment
	2007	2008	2009	2010	2011	
CPU (kSI2K)	280	450	600	600		
Disk (Tbytes)	120	180	240	240		
Nominal WAN (Mbits/sec)	100	160	180	180		

India, TIFR, Mumbai	Pledged	Planned to be pledged				Comment
	2007	2008	2009	2010	2011	
CPU (kSI2K)	130	450	600	800	1000	
Disk (Tbytes)	50	300	450	600	750	
Nominal WAN (Mbits/sec)	30	1000	1000	1000	1000	

Israel, HEP-IL Tier-2 Federation	Pledged	Planned to be pledged				Comment
	2007	2008	2009	2010	2011	
CPU (kSI2K)	60	460	700	1340	1800	
Disk (Tbytes)	30	200	340	570	800	
Nominal WAN (Mbits/sec)						

Italy, INFN ALICE Federation	Pledged	Planned to be pledged				Comment
	2007	2008	2009	2010	2011	
CPU (kSI2K)	550	850	1550	2500		
Disk (Tbytes)	100	300	600	850		
Nominal WAN (Mbits/sec)	1000	1000	1000	1000	1000	

Italy, INFN ATLAS Federation	Pledged	Planned to be pledged				Comment
	2007	2008	2009	2010	2011	
CPU (kSI2K)	400	850	1500	2600		
Disk (Tbytes)	170	350	750	1250		
Nominal WAN (Mbits/sec)	1000	1000	1000	1000	1000	

Italy, INFN CMS Federation	Pledged	Planned to be pledged				Comment
	2007	2008	2009	2010	2011	
CPU (kSI2K)	400	950	1800	3500		
Disk (Tbytes)	170	350	650	900		
Nominal WAN (Mbits/sec)	1000	1000	1000	1000	1000	

Italy, INFN LHCb Federation	Pledged	Planned to be pledged				Comment
	2007	2008	2009	2010	2011	
CPU (kSI2K)	150	350	550	900		
Disk (Tbytes)						
Nominal WAN (Mbits/sec)	1000	1000	1000	1000	1000	

Japan, ICEPP, Tokyo	Pledged	Planned to be pledged				Comment
	2007	2008	2009	2010	2011	
CPU (kSI2K)	1000	1000	1000	3000	3000	
Disk (Tbytes)	200	400	400	600	600	
Nominal WAN (Mbits/sec)	2000	2000	2000	2000	2000	

Norway, SIGMA Tier2	Pledged	Planned to be pledged				Comment
	2007	2008	2009	2010	2011	
CPU (kSI2K)		110	330	450		
Disk (Tbytes)		60	90	130		
Nominal WAN (Mbits/sec)		10000	20000	20000		

Pakistan, Pakistan Tier-2 Federation	Pledged	Planned to be pledged				Comment
	2007	2008	2009	2010	2011	
CPU (kSI2K)	410	800	820	870		
Disk (Tbytes)	80	200	200	200		
Nominal WAN (Mbits/sec)	10	40	40	40		

Poland, Polish Tier-2 Federation	Pledged	Planned to be pledged				Comment
	2007	2008	2009	2010	2011	
CPU (kSI2K)	650	1150	1650	2250		
Disk (Tbytes)	60	180	330	450		
Nominal WAN (Mbits/sec)	1000	1000	2000	2000	2000	

Portugal, LIP Tier-2 Federation	Pledged	Planned to be pledged				Comment
	2007	2008	2009	2010	2011	
CPU (kSI2K)	500	750				
Disk (Tbytes)	80	160				
Nominal WAN (Mbits/sec)	1000	1000	1000	1000	1000	

Romania, Romanian Tier-2 Federation	Pledged	Planned to be pledged				Comment
	2007	2008	2009	2010	2011	
CPU (kSI2K)	740	1290	1810	2380	2950	
Disk (Tbytes)	120	220	310	430	550	
Nominal WAN (Mbits/sec)	1000	10000	10000	10000	10000	

Russian Federation, RDIG	Pledged	Planned to be pledged				Comment
	2007	2008	2009	2010	2011	
CPU (kSI2K)	3000	5000	7000	10000		The Russian Capacities are available at the end of the year.
Disk (Tbytes)	600	1500	3000	5000		
Nominal WAN (Mbits/sec)	2500	2500	5000	10000		
Tape (Tbytes)			500	2000		

Slovenia, SIGNET, Jozef Stefan Inst.	Pledged	Planned to be pledged				Comment
	2007	2008	2009	2010	2011	
CPU (kSI2K)	200	300	450	600		
Disk (Tbytes)	50	150	200	300		
Nominal WAN (Mbits/sec)	10000	10000	10000	10000		

Spain, ATLAS Federation	Pledged	Planned to be pledged				Comment
	2007	2008	2009	2010	2011	
CPU (kSI2K)	120	880	1350	2580		
Disk (Tbytes)	60	390	660	1110		
Nominal WAN (Mbits/sec)						

Spain, CMS Federation	Pledged	Planned to be pledged				Comment
	2007	2008	2009	2010	2011	
CPU (kSI2K)	380	760	1280	2260		
Disk (Tbytes)	70	210	420	670		
Nominal WAN (Mbits/sec)						

Spain, LHCb Federation	Pledged	Planned to be pledged				Comment
	2007	2008	2009	2010	2011	
CPU (kSI2K)	120	300	740	740		
Disk (Tbytes)						
Nominal WAN (Mbits/sec)						

Sweden, SNIC Tier2	Pledged	Planned to be pledged				Comment
	2007	2008	2009	2010	2011	
CPU (kSI2K)	240	980	1550			
Disk (Tbytes)	80	360	600			
Nominal WAN (Mbits/sec)	5000	10000	20000	20000		

Switzerland, CSCS, Manno	Pledged	Planned to be pledged				Comment
	2007	2008	2009	2010	2011	
CPU (kSI2K)	200	680	1440	2640	2640	
Disk (Tbytes)	60	230	490	910	910	
Nominal WAN (Mbits/sec)	5000	10000	10000	10000	10000	

Taipei, Taiwan Analysis Facility Federation	Pledged	Planned to be pledged					Comment
	2007	2008	2009	2010	2011		
CPU (kSI2K)	300	400	400	400			
Disk (Tbytes)	30	80	80	80			
Nominal WAN (Mbits/sec)	10000	10000	10000	10000			

UK, Sum of all Federations	Pledged	Planned to be pledged					Comment
	2007	2008	2009	2010	2011		
CPU (kSI2K)	3840	4830	5410	6010			
Disk (Tbytes)	540	600	660	720			
Nominal WAN (Mbits/sec)							

Ukraine, Ukrainian Tier-2 Federation	Pledged	Planned to be pledged					Comment
	2007	2008	2009	2010	2011		
CPU (kSI2K)	600	800					
Disk (Tbytes)	70	100					
Nominal WAN (Mbits/sec)							

USA, Northeast ATLAS T2	Pledged	Planned to be pledged					Comment
	2007	2008	2009	2010	2011		
CPU (kSI2K)	390	670	1050	1590	1970		
Disk (Tbytes)	100	240	450	730	1020		
Nominal WAN (Mbits/sec)							

USA, Southwest ATLAS T2	Pledged	Planned to be pledged					Comment
	2007	2008	2009	2010	2011		
CPU (kSI2K)	1000	1390	1730	1970	2510		
Disk (Tbytes)	140	260	330	650	2510		
Nominal WAN (Mbits/sec)							

USA, Midwest ATLAS T2	Pledged	Planned to be pledged					Comment
	2007	2008	2009	2010	2011		
CPU (kSI2K)	830	1110	980	1260	1790		
Disk (Tbytes)	210	280	360	360	510		
Nominal WAN (Mbits/sec)							

USA, Great Lakes ATLAS T2	Pledged	Planned to be pledged				Comment
	2007	2008	2009	2010	2011	
CPU (kSI2K)	580	970	1410	1670	2030	
Disk (Tbytes)	160	320	540	710	910	
Nominal WAN (Mbits/sec)						

USA, SLAC ATLAS T2	Pledged	Planned to be pledged				Comment
	2007	2008	2009	2010	2011	
CPU (kSI2K)	550	820	1200	1190	1690	
Disk (Tbytes)	230	460	790	1030	1460	
Nominal WAN (Mbits/sec)						

USA, Caltech CMS T2	Pledged	Planned to be pledged				Comment
	2007	2008	2009	2010	2011	
CPU (kSI2K)	470	1000	1100	1940		
Disk (Tbytes)	80	200	360	570		
Nominal WAN (Mbits/sec)	5000	10000	10000	10000		

USA, Florida CMS T2	Pledged	Planned to be pledged				Comment
	2007	2008	2009	2010	2011	
CPU (kSI2K)	470	1000	1100	1940		
Disk (Tbytes)	80	200	360	570		
Nominal WAN (Mbits/sec)	5000	10000	10000	10000		

USA, MIT CMS T2	Pledged	Planned to be pledged				Comment
	2007	2008	2009	2010	2011	
CPU (kSI2K)	470	1000	1100	1940		
Disk (Tbytes)	80	200	360	570		
Nominal WAN (Mbits/sec)	5000	10000	10000	10000		

USA, Nebraska CMS T2	Pledged	Planned to be pledged				Comment
	2007	2008	2009	2010	2011	
CPU (kSI2K)	470	1000	1100	1940		
Disk (Tbytes)	80	200	360	570		
Nominal WAN (Mbits/sec)	5000	10000	10000	10000		

USA, Purdue CMS T2	Pledged	Planned to be pledged				Comment
	2007	2008	2009	2010	2011	
CPU (kSI2K)	470	1000	1100	1940		
Disk (Tbytes)	80	200	360	570		
Nominal WAN (Mbits/sec)	5000	10000	10000	10000		

USA, UC San Diego CMS T2	Pledged	Planned to be pledged				Comment
	2007	2008	2009	2010	2011	
CPU (kSI2K)	470	1000	1100	1940		
Disk (Tbytes)	80	200	360	570		
Nominal WAN (Mbits/sec)	5000	10000	10000	10000		

USA, U. Wisconsin CMS T2	Pledged	Planned to be pledged				Comment
	2007	2008	2009	2010	2011	
CPU (kSI2K)	470	1000	1100	1940		
Disk (Tbytes)	80	200	360	570		
Nominal WAN (Mbits/sec)	5000	10000	10000	10000		

Austria, Austrian Tier-2 Federation	2007	2008	2009	2010	2011	Split 2008	ALICE	ATLAS	CMS	LHCb	SUM 2008
CPU (kSI2K)	420	540	660	760		Offered		40	500		540
						% of Total		0%	3%		2%
Disk (Tbytes)	90	110	120	120		Offered		10	100		110
						% of Total		0%	2%		1%
Nominal WAN (Mbits/sec)	1000	1000	1000	1000							

Australia, University of Melbourne	2007	2008	2009	2010	2011	Split 2008	ALICE	ATLAS	CMS	LHCb	SUM 2008
CPU (kSI2K)	120	350	530	870		Offered		350			350
						% of Total		2%			2%
Disk (Tbytes)	50	170	280	440		Offered		170			170
						% of Total		2%			2%
Nominal WAN (Mbits/sec)											

Belgium, Belgian Tier-2 Fed. FNRS	2007	2008	2009	2010	2011	Split 2008	ALICE	ATLAS	CMS	LHCb	SUM 2008
CPU (kSI2K)	400	700	1000	1500	1500	Offered			700		700
						% of Total			5%		5%
Disk (Tbytes)	100	180	300	450	450	Offered			180		180
						% of Total			4%		4%
Nominal WAN (Mbits/sec)	1000	1500	2000	2000	2000						

Belgium, Belgian Tier-2 Fed. FWO	2007	2008	2009	2010	2011	Split 2008	ALICE	ATLAS	CMS	LHCb	SUM 2008
CPU (kSI2K)	200	350	500	750	750	Offered			350		350
						% of Total			2%		2%
Disk (Tbytes)	50	90	150	220	220	Offered			90		90
						% of Total			2%		2%
Nominal WAN (Mbits/sec)	1000	1500	2000	2000	2000						

China, IHEP, Beijing	2007	2008	2009	2010	2011	Split 2008	ALICE	ATLAS	CMS	LHCb	SUM 2008
CPU (kSI2K)	500	1000	1400	2000		Offered		500	500		1000
						% of Total		3%	3%		3%
Disk (Tbytes)	50	400	400	600		Offered		200	200		400
						% of Total		3%	5%		3%
Nominal WAN (Mbits/sec)											

Czech Rep., FZU AS, Prague	2007	2008	2009	2010	2011	Split 2008	ALICE	ATLAS	CMS	LHCb	SUM 2008
CPU (kSI2K)	80	900	2000	3600	5400	Offered	130	770			900
						% of Total	1%	4%			3%
Disk (Tbytes)	10	400	1000	2160	3400	Offered	40	360			400
						% of Total	2%	5%			4%
Nominal WAN (Mbits/sec)	1000	10000	10000	10000	10000						

Finland, NDGF/HIP Tier-2	2007	2008	2009	2010	2011	Split 2008	ALICE	ATLAS	CMS	LHCb	SUM 2008
CPU (kSI2K)	187	411	666			Offered			411		411
						% of Total			3%		3%
Disk (Tbytes)	18	97	205			Offered			97		97
						% of Total			2%		2%
Nominal WAN (Mbits/sec)											

France, CC-IN2P3, Lyon	2007	2008	2009	2010	2011	Split 2008	ALICE	ATLAS	CMS	LHCb	SUM 2008
CPU (kSI2K)	320	1779	3825	5256		Offered	177	583	336	683	1779
						% of Total	2%	3%	2%	15%	4%
Disk (Tbytes)	46	193	323	513		Offered	32	12	124	25	193
						% of Total	1%	0%	3%	278%	1%
Nominal WAN (Mbits/sec)	10000	10000	10000	10000							
Tape (Tbytes)						Offered					0

France, GRIF, Paris	2007	2008	2009	2010	2011	Split 2008	ALICE	ATLAS	CMS	LHCb	SUM 2008
CPU (kSI2K)	529	1460	2614	3853		Offered	164	722	410	164	1460
						% of Total	2%	4%	3%	4%	3%
Disk (Tbytes)	180	475	940	1259		Offered	42	320	113	0	475
						% of Total	2%	4%	3%	0%	3%
Nominal WAN (Mbits/sec)	1000	1000	1000	1000							

France, LPC, Clermont	2007	2008	2009	2010	2011	Split 2008	ALICE	ATLAS	CMS	LHCb	SUM 2008
CPU (kSI2K)	300	300	300	300		Offered	75	150		75	300
						% of Total	1%	1%		2%	1%
Disk (Tbytes)	25	25	25	25		Offered	6	12		6	25
						% of Total	0%	0%		69%	0%
Nominal WAN (Mbits/sec)	1000	1000	1000	1000							

France, Subatech, Nantes	2007	2008	2009	2010	2011	Split 2008	ALICE	ATLAS	CMS	LHCb	SUM 2008
CPU (kSI2K)	224	364	504	504	504	Offered	364				364
						% of Total	4%				4%
Disk (Tbytes)	16	65	119	119	119	Offered	65				65
						% of Total	3%				3%
Nominal WAN (Mbits/sec)	1000	1000	1000	1000	1000						

Germany, DESY, ATLAS	2007	2008	2009	2010	2011	Split 2008	ALICE	ATLAS	CMS	LHCb	SUM 2008
CPU (kSI2K)	78	583	899	1718	2304	Offered		583			583
						% of Total		3%			3%
Disk (Tbytes)	42	258	437	737	1036	Offered		258			258
						% of Total		3%			3%
Nominal WAN (Mbits/sec)	1000	10000	10000	10000	10000						

Germany, CMS Federation DESY	2007	2008	2009	2010	2011	Split 2008	ALICE	ATLAS	CMS	LHCb	SUM 2008
CPU (kSI2K)	300	600	1000	1800	2300	Offered			600		600
						% of Total			4%		4%
Disk (Tbytes)	50	170	340	530	850	Offered			170		170
						% of Total			4%		4%
Nominal WAN (Mbits/sec)	1000	10000	10000	10000	10000						

Germany, CMS Federation Aachen	2007	2008	2009	2010	2011	Split 2008	ALICE	ATLAS	CMS	LHCb	SUM 2008
CPU (kSI2K)	200	450	700	700		Offered			450		450
						% of Total			3%		3%
Disk (Tbytes)	50	100	150	150		Offered			100		100
						% of Total			2%		2%
Nominal WAN (Mbits/sec)	2000	2000	2000	2000							

Germany, GSI, Darmstadt	2007	2008	2009	2010	2011	Split 2008	ALICE	ATLAS	CMS	LHCb	SUM 2008
CPU (kSI2K)	260	660	860	1100	1320	Offered	660				660
						% of Total	7%				7%
Disk (Tbytes)	80	200	260	340	450	Offered	200				200
						% of Total	8%				8%
Nominal WAN (Mbits/sec)	100	1000	1000	1000	1000						

Germany, ATLAS Federation, Munich(1)	2007	2008	2009	2010	2011	Split 2008	ALICE	ATLAS	CMS	LHCb	SUM 2008
CPU (kSI2K)	60	332	529	884		Offered		332			332
						% of Total		2%			2%
Disk (Tbytes)	27	146	265	430		Offered		146			146
						% of Total		2%			2%
Nominal WAN (Mbits/sec)	660	1000	1000	1000							

India, VECC/SINP, Kolkata	2007	2008	2009	2010	2011	Split 2008	ALICE	ATLAS	CMS	LHCb	SUM 2008
CPU (kSI2K)	282	450	600	600		Offered	450				450
						% of Total	5%				5%
Disk (Tbytes)	120	180	240	240		Offered	180				180
						% of Total	7%				7%
Nominal WAN (Mbits/sec)	100	155	180	180							

India, TIFR, Mumbai	2007	2008	2009	2010	2011	Split 2008	ALICE	ATLAS	CMS	LHCb	SUM 2008
CPU (kSI2K)	130	450	600	800	1000	Offered			450		450
						% of Total			3%		3%
Disk (Tbytes)	50	300	450	600	750	Offered			300		300
						% of Total			7%		7%
Nominal WAN (Mbits/sec)	34	1000	1000	1000	1000						

Israel, HEP-IL Tier-2 Federation	2007	2008	2009	2010	2011	Split 2008	ALICE	ATLAS	CMS	LHCb	SUM 2008
CPU (kSI2K)	61	456	703	1344	1803	Offered		456			456
						% of Total		3%			3%
Disk (Tbytes)	32	199	337	569	799	Offered		199			199
						% of Total		3%			3%
Nominal WAN (Mbits/sec)											

Italy, INFN ALICE Federation	2007	2008	2009	2010	2011	Split 2008	ALICE	ATLAS	CMS	LHCb	SUM 2008
CPU (kSI2K)	550	850	1550	2500		Offered	850				850
						% of Total	9%				9%
Disk (Tbytes)	100	300	600	850		Offered	300				300
						% of Total	12%				12%
Nominal WAN (Mbits/sec)	1000	1000	1000	1000	1000						

Italy, INFN ATLAS Federation	2007	2008	2009	2010	2011	Split 2008	ALICE	ATLAS	CMS	LHCb	SUM 2008
CPU (kSI2K)	400	850	1500	2600		Offered		850			850
						% of Total		5%			5%
Disk (Tbytes)	165	350	750	1250		Offered		350			350
						% of Total		5%			5%
Nominal WAN (Mbits/sec)	1000	1000	1000	1000	1000						

Italy, INFN CMS Federation	2007	2008	2009	2010	2011	Split 2008	ALICE	ATLAS	CMS	LHCb	SUM 2008
CPU (kSI2K)	400	950	1800	3500		Offered			950		950
						% of Total			6%		6%
Disk (Tbytes)	165	350	650	900		Offered			350		350
						% of Total			8%		8%
Nominal WAN (Mbits/sec)	1000	1000	1000	1000	1000						

Italy, INFN LHCb Federation	2007	2008	2009	2010	2011	Split 2008	ALICE	ATLAS	CMS	LHCb	SUM 2008
CPU (kSI2K)	150	350	550	900		Offered				350	350
						% of Total				8%	8%
Disk (Tbytes)	0	0	0	0		Offered				0	0
						% of Total				0%	0%
Nominal WAN (Mbits/sec)	1000	1000	1000	1000	1000						

Japan, ICEPP, Tokyo	2007	2008	2009	2010	2011	Split 2008	ALICE	ATLAS	CMS	LHCb	SUM 2008
CPU (kSI2K)	1000	1000	1000	3000	3000	Offered		1000			1000
						% of Total		6%			6%
Disk (Tbytes)	200	400	400	600	600	Offered		400			400
						% of Total		5%			5%
Nominal WAN (Mbits/sec)	2000	2000	2000	2000	2000						

Norway, SIGMA Tier2	2007	2008	2009	2010	2011	Split 2008	ALICE	ATLAS	CMS	LHCb	SUM 2008
CPU (kSI2K)		110	325	447		Offered		110			110
						% of Total		1%			1%
Disk (Tbytes)		60	91	131		Offered		60			60
						% of Total		1%			1%
Nominal WAN (Mbits/sec)		10000	20000	20000							

Pakistan, Pakistan Tier-2 Federation	2007	2008	2009	2010	2011	Split 2008	ALICE	ATLAS	CMS	LHCb	SUM 2008
CPU (kSI2K)	410	795	820	870		Offered			795		795
						% of Total			5%		5%
Disk (Tbytes)	80	200	200	200		Offered			200		200
						% of Total			5%		5%
Nominal WAN (Mbits/sec)	10	42	42	42							

Poland, Polish Tier-2 Federation	2007	2008	2009	2010	2011	Split 2008	ALICE	ATLAS	CMS	LHCb	SUM 2008
CPU (kSI2K)	650	1150	1650	2250		Offered	175	465	305	205	1150
						% of Total	2%	3%	2%	5%	2%
Disk (Tbytes)	60	183	333	445		Offered	11	104	68	0	183
						% of Total	0%	1%	2%	0%	1%
Nominal WAN (Mbits/sec)	1000	1000	2000	2000	2000						

Portugal, LIP Tier-2 Federation	2007	2008	2009	2010	2011	Split 2008	ALICE	ATLAS	CMS	LHCb	SUM 2008
CPU (kSI2K)	500	750				Offered		525	225		750
						% of Total		3%	1%		2%
Disk (Tbytes)	84	160				Offered		110	50		160
						% of Total		1%	1%		1%
Nominal WAN (Mbits/sec)	1000	1000	1000	1000	1000						

Romania, Romanian Tier-2 Federation	2007	2008	2009	2010	2011	Split 2008	ALICE	ATLAS	CMS	LHCb	SUM 2008
CPU (kSI2K)	735	1294	1810	2380	2950	Offered	754	344		196	1294
						% of Total	8%	2%		4%	4%
Disk (Tbytes)	122	219	310	430	550	Offered	125	60		4	189
						% of Total	5%	1%		44%	2%
Nominal WAN (Mbits/sec)	1000	10000	10000	10000	10000						

Russian Federation, RDIG(2)	2007	2008	2009	2010	2011	Split 2008	ALICE	ATLAS	CMS	LHCb	SUM 2008
CPU (kSI2K)	3000	5000	7000	10000		Offered	800	500	500	600	2400
						% of Total	8%	3%	3%	13%	5%
Disk (Tbytes)	600	1500	3000	5000		Offered	150	175	175	50	550
						% of Total	6%	2%	4%	556%	4%
Nominal WAN (Mbits/sec)	2500	2500	5000	10000							
Tape (Tbytes)			500	2000		Offered					0

Slovenia, SiGNET, Jozef Stefan Inst.	2007	2008	2009	2010	2011	Split 2008	ALICE	ATLAS	CMS	LHCb	SUM 2008
CPU (kSI2K)	200	300	450	600		Offered		300			300
						% of Total		2%			2%
Disk (Tbytes)	50	150	200	300		Offered		150			150
						% of Total		2%			2%
Nominal WAN (Mbits/sec)	10000	10000	10000	10000							

Spain, ATLAS Federation	2007	2008	2009	2010	2011	Split 2008	ALICE	ATLAS	CMS	LHCb	SUM 2008
CPU (kSI2K)	117	875	1349	2577		Offered		875			875
						% of Total		5%			5%
Disk (Tbytes)	63	387	656	1107		Offered		387			387
						% of Total		5%			5%
Nominal WAN (Mbits/sec)											

Spain, CMS Federation	2007	2008	2009	2010	2011	Split 2008	ALICE	ATLAS	CMS	LHCb	SUM 2008
CPU (kSI2K)	380	760	1280	2260		Offered			760		760
						% of Total			5%		5%
Disk (Tbytes)	65	210	420	665		Offered			210		210
						% of Total			5%		5%
Nominal WAN (Mbits/sec)											

Spain, LHCb Federation	2007	2008	2009	2010	2011	Split 2008	ALICE	ATLAS	CMS	LHCb	SUM 2008
CPU (kSI2K)	118	296	740	740		Offered				296	296
						% of Total				7%	7%
Disk (Tbytes)	0	1	1	1		Offered				1	1
						% of Total				10%	10%
Nominal WAN (Mbits/sec)											

Sweden, SNIC Tier2	2007	2008	2009	2010	2011	Split 2008	ALICE	ATLAS	CMS	LHCb	SUM 2008
CPU (kSI2K)	244	981	1549			Offered	376	605			981
						% of Total	4%	3%			4%
Disk (Tbytes)	82	364	602			Offered	96	268			364
						% of Total	4%	3%			4%
Nominal WAN (Mbits/sec)	5000	10000	20000	20000							

Switzerland, CSCS, Manno	2007	2008	2009	2010	2011	Split 2008	ALICE	ATLAS	CMS	LHCb	SUM 2008
CPU (kSI2K)	200	680	1440	2640	2640	Offered		198	245	237	680
						% of Total		1%	2%	5%	2%
Disk (Tbytes)	61	225	490	910	910	Offered		90	88	47	225
						% of Total		1%	2%	522%	2%
Nominal WAN (Mbits/sec)	5000	10000	10000	10000	10000						

Taipei, Taiwan Analysis Facility Federation	2007	2008	2009	2010	2011	Split 2008	ALICE	ATLAS	CMS	LHCb	SUM 2008
CPU (kSI2K)	300	400	400	400		Offered		200	200		400
						% of Total		1%	1%		1%
Disk (Tbytes)	30	75	75	75		Offered		40	35		75
						% of Total		1%	1%		1%
Nominal WAN (Mbits/sec)	10000	10000	10000	10000							

UK, Sum of all Federations	2007	2008	2009	2010	2011	Split 2008	ALICE	ATLAS	CMS	LHCb	SUM 2008
CPU (kSI2K)	3835	4825	5408	6009		Offered	154	3024	851	796	4825
						% of Total	2%	17%	6%	17%	10%
Disk (Tbytes)	537	602	661	721		Offered	18	378	106	100	602
						% of Total	1%	5%	3%	1111%	4%
Nominal WAN (Mbits/sec)											

Ukraine, Ukrainian Tier-2 Federation	2007	2008	2009	2010	2011	Split 2008	ALICE	ATLAS	CMS	LHCb	SUM 2008
CPU (kSI2K)	600	800				Offered	560		240		800
						% of Total	6%		2%		3%
Disk (Tbytes)	65	100				Offered	70		30		100
						% of Total	3%		1%		2%
Nominal WAN (Mbits/sec)											

USA, Northeast ATLAS T2	2007	2008	2009	2010	2011	Split 2008	ALICE	ATLAS	CMS	LHCb	SUM 2008
CPU (kSI2K)	394	665	1049	1592	1966	Offered		665			665
						% of Total		4%			4%
Disk (Tbytes)	103	244	445	727	1024	Offered		244			244
						% of Total		3%			3%
Nominal WAN (Mbits/sec)											

USA, Southwest ATLAS T2	2007	2008	2009	2010	2011	Split 2008	ALICE	ATLAS	CMS	LHCb	SUM 2008
CPU (kSI2K)	998	1386	1734	1966	2514	Offered		1386			1386
						% of Total		8%			8%
Disk (Tbytes)	143	256	328	650	1103	Offered		256			256
						% of Total		3%			3%
Nominal WAN (Mbits/sec)											

USA, Midwest ATLAS T2	2007	2008	2009	2010	2011	Split 2008	ALICE	ATLAS	CMS	LHCb	SUM 2008
CPU (kSI2K)	826	1112	978	1262	1785	Offered		1112			1112
						% of Total		6%			6%
Disk (Tbytes)	213	282	358	362	512	Offered		282			282
						% of Total		4%			4%
Nominal WAN (Mbits/sec)											

USA, Great Lakes ATLAS T2	2007	2008	2009	2010	2011	Split 2008	ALICE	ATLAS	CMS	LHCb	SUM 2008
CPU (kSI2K)	581	965	1406	1670	2032	Offered		965			965
						% of Total		6%			6%
Disk (Tbytes)	155	322	542	709	914	Offered		322			322
						% of Total		4%			4%
Nominal WAN (Mbits/sec)											

USA, SLAC ATLAS T2	2007	2008	2009	2010	2011	Split 2008	ALICE	ATLAS	CMS	LHCb	SUM 2008
CPU (kSI2K)	550	820	1202	1191	1685	Offered		820			820
						% of Total		5%			5%
Disk (Tbytes)	228	462	794	1034	1462	Offered		462			462
						% of Total		6%			6%
Nominal WAN (Mbits/sec)											

USA, Caltech CMS T2	2007	2008	2009	2010	2011	Split 2008	ALICE	ATLAS	CMS	LHCb	SUM 2008
CPU (kSI2K)	470	1000	1100	1940		Offered			1000		1000
						% of Total			7%		7%
Disk (Tbytes)	80	200	360	570		Offered			200		200
						% of Total			5%		5%
Nominal WAN (Mbits/sec)	5000	10000	10000	10000							

USA, Florida CMS T2	2007	2008	2009	2010	2011	Split 2008	ALICE	ATLAS	CMS	LHCb	SUM 2008
CPU (kSI2K)	470	1000	1100	1940		Offered			1000		1000
						% of Total			7%		7%
Disk (Tbytes)	80	200	360	570		Offered			200		200
						% of Total			5%		5%
Nominal WAN (Mbits/sec)	5000	10000	10000	10000							

USA, MIT CMS T2	2007	2008	2009	2010	2011	Split 2008	ALICE	ATLAS	CMS	LHCb	SUM 2008
CPU (kSI2K)	470	1000	1100	1940		Offered			1000		1000
						% of Total			7%		7%
Disk (Tbytes)	80	200	360	570		Offered			200		200
						% of Total			5%		5%
Nominal WAN (Mbits/sec)	5000	10000	10000	10000							

USA, Nebraska CMS T2	2007	2008	2009	2010	2011	Split 2008	ALICE	ATLAS	CMS	LHCb	SUM 2008
CPU (kSI2K)	470	1000	1100	1940		Offered			1000		1000
						% of Total			7%		7%
Disk (Tbytes)	80	200	360	570		Offered			200		200
						% of Total			5%		5%
Nominal WAN (Mbits/sec)	5000	10000	10000	10000							

USA, Purdue CMS T2	2007	2008	2009	2010	2011	Split 2008	ALICE	ATLAS	CMS	LHCb	SUM 2008
CPU (kSI2K)	470	1000	1100	1940		Offered			1000		1000
						% of Total			7%		7%
Disk (Tbytes)	80	200	360	570		Offered			200		200
						% of Total			5%		5%
Nominal WAN (Mbits/sec)	5000	10000	10000	10000							

USA, UC San Diego CMS T2	2007	2008	2009	2010	2011	Split 2008	ALICE	ATLAS	CMS	LHCb	SUM 2008
CPU (kSI2K)	470	1000	1100	1940		Offered			1000		1000
						% of Total			7%		7%
Disk (Tbytes)	80	200	360	570		Offered			200		200
						% of Total			5%		5%
Nominal WAN (Mbits/sec)	5000	10000	10000	10000							

USA, U. Wisconsin CMS T2	2007	2008	2009	2010	2011	Split 2008	ALICE	ATLAS	CMS	LHCb	SUM 2008
CPU (kSI2K)	470	1000	1100	1940		Offered			1000		1000
						% of Total			7%		7%
Disk (Tbytes)	80	200	360	570		Offered			200		200
						% of Total			5%		5%
Nominal WAN (Mbits/sec)	5000	10000	10000	10000							

Summary Tier2s	2007	2008	2009	2010	2011	Split 2008	ALICE	ATLAS	CMS	LHCb	SUM 2008
CPU (kSI2K)	25079	47099	64580	93273	35453	Offered	5689	18430	16778	3602	44499
						Required	9630	17490	15200	4550	46870
						Balance	-41%	5%	10%	-21%	-5%
Disk (Tbytes)	5017	12560	20767	30559	15149	Offered	1335	5825	4186	233	11579
						Required	2460	7740	4200	9	14409
						Balance	-46%	-25%	0%	2491%	-20%
Tape (Tbytes)	0	0	500	2000	0	Offered	0	0	0	0	0

Requirements 2008	ALICE	ATLAS	CMS	LHCb	SUM
CPU (kSI2K)	9630	17490	15200	4550	46870
Disk (Tbytes)	2460	7740	4200	9	14409
Number of T2s(3)	17 (19)	31 (34)	30 (34)	11 (12)	52 (57)

Note 1: The German ATLAS Federation, Munich, shows at the moment only the MPI and RZG part.

Note 2: The Russian capacities are available at the end of the year. The split for 2008 is therefore based on the 2007 pledges with some resources in reserve.

Note 3: The number of T2s is given as n (m). The first number is the count of T2s or T2 Federations already registered in the table, the second the overall count of T2s planning to support the experiment.