



# Tier-2 Availability and Reliability Report

Federation Summary - Sorted by Name

April 2008

Critical SAM Tests - <http://sam-docs.web.cern.ch/sam-docs/docs/htmldocs/MANUserManual/node22.html>

Availability = % of successful tests

Reliability = Availability / Scheduled Availability

Reliability and Availability for federation - average of all sites in the federation

Colour coding :      N/A      < 30%      < 60%      < 90%      >= 90%

Federation	Reliability	Availability	Federation	Reliability	Availability
AT-HEPHY-VIENNA-UIBK	99 %	92 %	JP-Tokyo-ATLAS-T2	96 %	96 %
AU-ATLAS	44 %	44 %	KR-KISTI-T2	74 %	74 %
BE-TIER2	83 %	83 %	NO-NORDGRID-T2	N/A	N/A
CA-EAST-T2	93 %	92 %	PK-CMS-T2	69 %	61 %
CA-WEST-T2	80 %	80 %	PL-TIER2-WLCG	91 %	91 %
CH-CHIPP-CSCS	67 %	66 %	PT-LIP-LCG-Tier2	78 %	75 %
CN-IHEP	87 %	84 %	RO-LCG	87 %	79 %
CZ-Prague-T2	87 %	86 %	RU-RDIG	82 %	80 %
DE-DESY-ATLAS-T2	98 %	97 %	SE-SNIC-T2	N/A	N/A
DE-DESY-RWTH-CMS-T2	65 %	65 %	SI-SiNET	92 %	92 %
DE-FREIBURGWUPPERTAL	74 %	72 %	T2_US_Caltech	N/A	N/A
DE-GSI	59 %	74 %	T2_US_Florida	N/A	N/A
DE-MCAT	83 %	83 %	T2_US_MIT	N/A	N/A
EE-NICPB	49 %	45 %	T2_US_Nebraska	N/A	N/A
ES-ATLAS-T2	92 %	88 %	T2_US_Purdue	N/A	N/A
ES-CMS-T2	91 %	90 %	T2_US_UCSD	N/A	N/A
ES-LHCb-T2	84 %	84 %	T2_US_Wisconsin	N/A	N/A
FI-HIP-T2	N/A	N/A	TR-Tier2-federation	65 %	65 %
FR-GRIF	98 %	98 %	TW-FTT-T2	87 %	87 %
FR-IN2P3-CC-T2	98 %	98 %	UA-	N/A	N/A
FR-IN2P3-LAPP	97 %	97 %	UK-London-Tier2	88 %	61 %
FR-IN2P3-LPC	95 %	95 %	UK-NorthGrid	92 %	92 %
FR-IN2P3-SUBATECH	92 %	92 %	UK-ScotGrid	84 %	75 %
HU-HGCC-T2	84 %	78 %	UK-SouthGrid	86 %	86 %
IL-HEPTier-2	48 %	45 %	US-AGLT2	N/A	N/A
IN-DAE-KOLKATA-TIER2	88 %	88 %	US-MWT2	N/A	N/A
IN-INDIACMS-TIFR	74 %	71 %	US-NET2	N/A	N/A
IT-ALICE-federation	83 %	81 %	US-SWT2	N/A	N/A
IT-ATLAS-federation	83 %	81 %	US-WT2	N/A	N/A
IT-CMS-federation	83 %	81 %			
IT-LHCb-federation	83 %	81 %			



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Federation	Reliability	Availability	Federation	Reliability	Availability
AT-HEPHY-VIENNA-UIBK	99 %	92 %	CA-WEST-T2	80 %	80 %
FR-GRIF	98 %	98 %	PT-LIP-LCG-Tier2	78 %	75 %
FR-IN2P3-CC-T2	98 %	98 %	DE-FREIBURGWUPPERTAL	74 %	72 %
DE-DESY-ATLAS-T2	98 %	97 %	KR-KISTI-T2	74 %	74 %
FR-IN2P3-LAPP	97 %	97 %	IN-INDIACMS-TIFR	74 %	71 %
JP-Tokyo-ATLAS-T2	96 %	96 %	PK-CMS-T2	69 %	61 %
FR-IN2P3-LPC	95 %	95 %	CH-CHIPP-CSCS	67 %	66 %
CA-EAST-T2	93 %	92 %	TR-Tier2-federation	65 %	65 %
UK-NorthGrid	92 %	92 %	DE-DESY-RWTH-CMS-T2	65 %	65 %
ES-ATLAS-T2	92 %	88 %	DE-GSI	59 %	74 %
SI-SiNET	92 %	92 %	EE-NICPB	49 %	45 %
FR-IN2P3-SUBATECH	92 %	92 %	IL-HEPTier-2	48 %	45 %
PL-TIER2-WLCG	91 %	91 %	AU-ATLAS	44 %	44 %
ES-CMS-T2	91 %	90 %	FI-HIP-T2	N/A	N/A
UK-London-Tier2	88 %	61 %	NO-NORDGRID-T2	N/A	N/A
IN-DAE-KOLKATA-TIER2	88 %	88 %	SE-SNIC-T2	N/A	N/A
RO-LCG	87 %	79 %	T2_US_Caltech	N/A	N/A
TW-FTT-T2	87 %	87 %	T2_US_Florida	N/A	N/A
CN-IHEP	87 %	84 %	T2_US_MIT	N/A	N/A
CZ-Prague-T2	87 %	86 %	T2_US_Nebraska	N/A	N/A
UK-SouthGrid	86 %	86 %	T2_US_Purdue	N/A	N/A
UK-ScotGrid	84 %	75 %	T2_US_UCSD	N/A	N/A
HU-HGCC-T2	84 %	78 %	T2_US_Wisconsin	N/A	N/A
ES-LHCb-T2	84 %	84 %	UA-	N/A	N/A
IT-ALICE-federation	83 %	81 %	US-AGLT2	N/A	N/A
IT-ATLAS-federation	83 %	81 %	US-MWT2	N/A	N/A
IT-CMS-federation	83 %	81 %	US-NET2	N/A	N/A
IT-LHCb-federation	83 %	81 %	US-SWT2	N/A	N/A
DE-MCAT	83 %	83 %	US-WT2	N/A	N/A
BE-TIER2	83 %	83 %			
RU-RDIG	82 %	80 %			



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Colour coding :      N/A      < 30%      < 60%      < 90%      >= 90%

Federation	Site	Reli- ability	Avail- ability	Reliability History		
				Jan-08	Feb-08	Mar-08
<b>AT-HEPHY-VIENNA-UIBK ( Austria, Austrian Tier-2 Federation )</b>						
	HEPHY-UIBK	99 %	92 %	100 %	100 %	99 %
<b>AU-ATLAS ( Australia, University of Melbourne )</b>						
	Australia-UNIMELB-LCG2	44 %	44 %	27 %	53 %	43 %
<b>BE-TIER2 ( Belgium, Belgian Tier-2 Federation )</b>						
	BEgrid-ULB-VUB	78 %	78 %	80 %	53 %	80 %
	BelGrid-UCL	88 %	88 %	83 %	90 %	98 %
<b>CA-EAST-T2 ( Canada-East Federation )</b>						
	TORONTO-LCG2	93 %	92 %	70 %	93 %	76 %
<b>CA-WEST-T2 ( Canada-West Federation )</b>						
	ALBERTA-LCG2	92 %	92 %	12 %	53 %	68 %
	SFU-LCG2	70 %	69 %	89 %	95 %	92 %
	VICTORIA-LCG2	78 %	78 %	71 %	60 %	74 %
<b>CH-CHIPP-CSCS ( Switzerland, CHIPP )</b>						
	CSCS-LCG2	67 %	66 %	73 %	87 %	87 %
<b>CN-IHEP ( China, IHEP, Beijing )</b>						
	BEIJING-LCG2	87 %	84 %	99 %	95 %	71 %
<b>CZ-Prague-T2 ( Czech Rep., FZU AS, Prague )</b>						
	prague_cesnet_lcg2	84 %	84 %	78 %	94 %	97 %
	prague_lcg2	89 %	89 %	70 %	95 %	95 %
<b>DE-DESY-ATLAS-T2 ( Germany ATLAS Federation, DESY )</b>						
	DESY-HH	98 %	97 %	98 %	99 %	99 %
	DESY-ZN	98 %	97 %	99 %	96 %	96 %
<b>DE-DESY-RWTH-CMS-T2 ( Germany, CMS Federation )</b>						
	DESY-HH	98 %	97 %	98 %	99 %	99 %
	DESY-ZN	98 %	97 %	99 %	96 %	96 %
	RWTH-Aachen	N/A	N/A	58 %	71 %	62 %
<b>DE-FREIBURG WUPPERTAL ( Germany, ATLAS Federation FR/W )</b>						
	UNI-FREIBURG	78 %	78 %	84 %	90 %	95 %
	wuppertalprod	71 %	66 %	48 %	67 %	82 %
<b>DE-GSI ( Germany, GSI, Darmstadt )</b>						
	GSI-LCG2	59 %	74 %	88 %	89 %	88 %
<b>DE-MCAT ( Germany, ATLAS Federation, Munich )</b>						
	LRZ-LMU	91 %	91 %	90 %	95 %	93 %

Federation	Site	Reliability	Availability	Reliability History		
				Jan-08	Feb-08	Mar-08
	MPPMU	75 %	75 %	68 %	96 %	74 %
<b>EE-NICPB ( Estonia, NICPB, Tallinn )</b>						
	T2_Estonia	49 %	45 %	N/A	71 %	46 %
<b>ES-ATLAS-T2 ( Spain, ATLAS Federation )</b>						
	IFIC-LCG2	89 %	89 %	100 %	99 %	99 %
	UAM-LCG2	89 %	85 %	91 %	92 %	83 %
	ifae	97 %	90 %	98 %	97 %	93 %
<b>ES-CMS-T2 ( Spain, CMS Federation )</b>						
	CIEMAT-LCG2	93 %	91 %	97 %	98 %	98 %
	IFCA-LCG2	89 %	88 %	58 %	48 %	86 %
<b>ES-LHCb-T2 ( Spain, LHCb Federation )</b>						
	UB-LCG2	74 %	74 %	52 %	85 %	77 %
	USC-LCG2	94 %	94 %	99 %	98 %	89 %
<b>FI-HIP-T2 ( Finland, NDGF/HIP Tier2 )</b>						
	FI-LCG2	N/A	N/A	N/A	N/A	N/A
<b>FR-GRIF ( France, GRIF, Paris )</b>						
	GRIF	98 %	98 %	100 %	99 %	97 %
<b>FR-IN2P3-CC-T2 ( France, CC-IN2P3 AF )</b>						
	IN2P3-CC-T2	98 %	98 %	100 %	100 %	96 %
<b>FR-IN2P3-LAPP ( France, LAPP, Annecy )</b>						
	IN2P3-LAPP	97 %	97 %	97 %	100 %	89 %
<b>FR-IN2P3-LPC ( France, LPC, Clermont-Ferrand )</b>						
	IN2P3-LPC	95 %	95 %	99 %	96 %	100 %
<b>FR-IN2P3-SUBATECH ( France, SUBATECH, Nantes )</b>						
	IN2P3-SUBATECH	92 %	92 %	98 %	98 %	99 %
<b>HU-HGCC-T2 ( Hungary, HGCC Federation )</b>						
	BUDAPEST	89 %	80 %	61 %	62 %	97 %
	ELTE	79 %	76 %	97 %	90 %	80 %
<b>IL-HEPTier-2 ( Israel, HEP-IL Tier-2 Federation )</b>						
	TAU-LCG2	9 %	2 %	7 %	16 %	12 %
	WEIZMANN-LCG2	88 %	88 %	94 %	97 %	96 %
<b>IN-DAE-KOLKATA-TIER2 ( India, VECC/SINP, Kolkata )</b>						
	IN-DAE-VECC-01	88 %	88 %	92 %	89 %	93 %
<b>IN-INDIACMS-TIFR ( India, TIFR, Mumbai )</b>						
	INDIACMS-TIFR	74 %	71 %	N/A	7 %	53 %
<b>IT-ALICE-federation ( Italy, INFN ALICE Federation )</b>						
	INFN-BARI	81 %	81 %	16 %	79 %	85 %
	INFN-CATANIA	96 %	95 %	58 %	2 %	75 %
	INFN-FRASCATI	97 %	97 %	84 %	96 %	71 %
	INFN-LNL-2	84 %	84 %	72 %	99 %	99 %
	INFN-MILANO	91 %	91 %	84 %	91 %	96 %
	INFN-NAPOLI-ATLAS	91 %	92 %	92 %	96 %	90 %
	INFN-PISA	72 %	72 %	90 %	75 %	88 %

Federation	Site	Reliability	Availability	Reliability History		
				Jan-08	Feb-08	Mar-08
	INFN-ROMA1	79 %	77 %	93 %	92 %	93 %
	INFN-ROMA1-CMS	64 %	62 %	N/A	15 %	31 %
	INFN-TORINO	78 %	62 %	68 %	80 %	88 %
<b>IT-ATLAS-federation ( Italy, INFN ATLAS Federation )</b>						
	INFN-BARI	81 %	81 %	16 %	79 %	85 %
	INFN-CATANIA	96 %	95 %	58 %	2 %	75 %
	INFN-FRASCATI	97 %	97 %	84 %	96 %	71 %
	INFN-LNL-2	84 %	84 %	72 %	99 %	99 %
	INFN-MILANO	91 %	91 %	84 %	91 %	96 %
	INFN-NAPOLI-ATLAS	91 %	92 %	92 %	96 %	90 %
	INFN-PISA	72 %	72 %	90 %	75 %	88 %
	INFN-ROMA1	79 %	77 %	93 %	92 %	93 %
	INFN-ROMA1-CMS	64 %	62 %	N/A	15 %	31 %
	INFN-TORINO	78 %	62 %	68 %	80 %	88 %
<b>IT-CMS-federation ( Italy, INFN CMS Federation )</b>						
	INFN-BARI	81 %	81 %	16 %	79 %	85 %
	INFN-CATANIA	96 %	95 %	58 %	2 %	75 %
	INFN-FRASCATI	97 %	97 %	84 %	96 %	71 %
	INFN-LNL-2	84 %	84 %	72 %	99 %	99 %
	INFN-MILANO	91 %	91 %	84 %	91 %	96 %
	INFN-NAPOLI-ATLAS	91 %	92 %	92 %	96 %	90 %
	INFN-PISA	72 %	72 %	90 %	75 %	88 %
	INFN-ROMA1	79 %	77 %	93 %	92 %	93 %
	INFN-ROMA1-CMS	64 %	62 %	N/A	15 %	31 %
	INFN-TORINO	78 %	62 %	68 %	80 %	88 %
<b>IT-LHCb-federation ( Italy, INFN LHCb Federation )</b>						
	INFN-BARI	81 %	81 %	16 %	79 %	85 %
	INFN-CATANIA	96 %	95 %	58 %	2 %	75 %
	INFN-FRASCATI	97 %	97 %	84 %	96 %	71 %
	INFN-LNL-2	84 %	84 %	72 %	99 %	99 %
	INFN-MILANO	91 %	91 %	84 %	91 %	96 %
	INFN-NAPOLI-ATLAS	91 %	92 %	92 %	96 %	90 %
	INFN-PISA	72 %	72 %	90 %	75 %	88 %
	INFN-ROMA1	79 %	77 %	93 %	92 %	93 %
	INFN-ROMA1-CMS	64 %	62 %	N/A	15 %	31 %
	INFN-TORINO	78 %	62 %	68 %	80 %	88 %
<b>JP-Tokyo-ATLAS-T2 ( Japan, ICEPP, Tokyo )</b>						
	TOKYO-LCG2	96 %	96 %	100 %	96 %	97 %
<b>KR-KISTI-T2 ( Republic of Korea, KISTI, Daejeon )</b>						
	KR-KISTI-GCRT-01	74 %	74 %	87 %	72 %	77 %
<b>NO-NORDGRID-T2 ( Norway, UNINETT SIGMA Tier-2 )</b>						
	UiB	N/A	N/A	N/A	N/A	N/A
<b>PK-CMS-T2 ( Pakistan, Pakistan Tier-2 Federation )</b>						
	NCP-LCG2	65 %	50 %	29 %	41 %	82 %
	PAKGRID-LCG2	72 %	72 %	43 %	67 %	64 %

Federation	Site	Reliability	Availability	Reliability History		
				Jan-08	Feb-08	Mar-08
<b>PL-TIER2-WLCG ( Poland, Polish Tier-2 Federation )</b>						
	CYFRONET-IA64	93 %	93 %	97 %	97 %	97 %
	CYFRONET-LCG2	95 %	95 %	95 %	91 %	98 %
	PSNC	89 %	89 %	96 %	94 %	83 %
	WARSAW-EGEE	89 %	89 %	97 %	88 %	99 %
<b>PT-LIP-LCG-Tier2 ( Portugal, LIP Tier-2 Federation )</b>						
	LIP-Coimbra	92 %	91 %	80 %	69 %	60 %
	LIP-Lisbon	64 %	59 %	54 %	53 %	87 %
<b>RO-LCG ( Romania, Romanian Tier-2 Federation )</b>						
	NIHAM	95 %	95 %	97 %	98 %	88 %
	RO-01-ICI	87 %	71 %	97 %	97 %	79 %
	RO-02-NIPNE	89 %	69 %	85 %	94 %	91 %
	RO-07-NIPNE	91 %	91 %	79 %	91 %	84 %
	RO-11-NIPNE	74 %	67 %	93 %	95 %	76 %
<b>RU-RDIG ( Russian Fed., Russian Data-Intensive GRID )</b>						
	ITEP	95 %	95 %	95 %	93 %	100 %
	JINR-LCG2	90 %	89 %	99 %	97 %	89 %
	RRC-KI	60 %	57 %	N/A	57 %	50 %
	RU-Phys-SPbSU	73 %	73 %	94 %	81 %	82 %
	RU-Protvino-IHEP	97 %	97 %	69 %	88 %	97 %
	RU-SPbSU	79 %	79 %	80 %	98 %	74 %
	Ru-Troitsk-INR-LCG2	76 %	76 %	93 %	93 %	60 %
	ru-Moscow-FIAN-LCG2	80 %	72 %	97 %	85 %	90 %
	ru-Moscow-MEPHI-LCG2	70 %	62 %	98 %	92 %	93 %
	ru-Moscow-SINP-LCG2	98 %	98 %	56 %	58 %	99 %
	ru-PNPI	82 %	82 %	29 %	94 %	92 %
<b>SE-SNIC-T2 ( Sweden, SNIC Tier-2 )</b>						
	None	N/A	N/A	N/A	N/A	N/A
<b>SI-SiNET ( Slovenia, SiNET )</b>						
	SiNET	92 %	92 %	87 %	96 %	93 %
<b>T2_US_Caltech ( USA, Caltech CMS T2 )</b>						
	cit_cms_t2	N/A	N/A	N/A	N/A	N/A
<b>T2_US_Florida ( USA, Florida CMS T2 )</b>						
	uflorida-hpc	N/A	N/A	N/A	N/A	N/A
	uflorida-ihepa	N/A	N/A	N/A	N/A	N/A
	uflorida-pg	N/A	N/A	N/A	N/A	N/A
<b>T2_US_MIT ( USA, MIT CMS T2 )</b>						
	mit_cms	N/A	N/A	N/A	N/A	N/A
<b>T2_US_Nebraska ( USA, Nebraska CMS T2 )</b>						
	nebraska	N/A	N/A	N/A	N/A	N/A
<b>T2_US_Purdue ( USA, Purdue CMS T2 )</b>						
	purdue-lear	N/A	N/A	N/A	N/A	N/A
	purdue-rcac	N/A	N/A	N/A	N/A	N/A
<b>T2_US_UCSD ( USA, UC San Diego CMS T2 )</b>						

Federation	Site	Reliability	Availability	Reliability History		
				Jan-08	Feb-08	Mar-08
	ucsdt2	N/A	N/A	N/A	N/A	N/A
<b>T2_US_Wisconsin ( USA, U. Wisconsin CMS T2 )</b>						
	GLOW	N/A	N/A	N/A	N/A	N/A
<b>TR-Tier2-federation ( Turkey, Turkish Tier-2 Federation )</b>						
	TR-03-METU	51 %	51 %	99 %	92 %	95 %
	TR-10-ULAKBIM	80 %	80 %	89 %	82 %	85 %
<b>TW-FTT-T2 ( Taipei, Taiwan Analysis Facility Federation )</b>						
	TW-FTT	87 %	87 %	96 %	73 %	86 %
<b>UA- ( Ukraine, Ukrainian Tier-2 Federation )</b>						
	None	N/A	N/A	N/A	N/A	N/A
<b>UK-London-Tier2 ( UK, London Tier 2 )</b>						
	UKI-LT2-Brunel	74 %	69 %	98 %	94 %	66 %
	UKI-LT2-IC-HEP	95 %	95 %	100 %	99 %	97 %
	UKI-LT2-IC-LeSC	97 %	97 %	100 %	100 %	99 %
	UKI-LT2-QMUL	N/A	N/A	51 %	68 %	N/A
	UKI-LT2-RHUL	89 %	79 %	75 %	81 %	89 %
	UKI-LT2-UCL-CENTRAL	N/A	N/A	70 %	82 %	74 %
	UKI-LT2-UCL-HEP	86 %	86 %	97 %	79 %	85 %
<b>UK-NorthGrid ( UK, NorthGrid )</b>						
	UKI-NORTHGRID-LANCS-HEP	94 %	94 %	81 %	85 %	76 %
	UKI-NORTHGRID-LIV-HEP	93 %	93 %	90 %	4 %	83 %
	UKI-NORTHGRID-MAN-HEP	92 %	92 %	87 %	99 %	99 %
	UKI-NORTHGRID-SHEF-HEP	91 %	91 %	98 %	90 %	98 %
<b>UK-ScotGrid ( UK, ScotGrid )</b>						
	ScotGRID-Edinburgh	66 %	29 %	96 %	98 %	91 %
	UKI-SCOTGRID-DURHAM	87 %	87 %	97 %	95 %	93 %
	UKI-SCOTGRID-ECDF	88 %	88 %	69 %	75 %	86 %
	UKI-SCOTGRID-GLASGOW	95 %	95 %	92 %	93 %	87 %
<b>UK-SouthGrid ( UK, SouthGrid )</b>						
	EFDA-JET	88 %	88 %	96 %	80 %	88 %
	UKI-SOUTHGRID-BHAM-HEP	92 %	91 %	75 %	92 %	91 %
	UKI-SOUTHGRID-BRIS-HEP	95 %	94 %	99 %	99 %	99 %
	UKI-SOUTHGRID-CAM-HEP	76 %	76 %	93 %	81 %	97 %
	UKI-SOUTHGRID-OX-HEP	76 %	76 %	90 %	99 %	99 %
	UKI-SOUTHGRID-RALPP	89 %	89 %	91 %	89 %	94 %
<b>US-AGLT2 ( USA, Great Lakes ATLAS T2 )</b>						
	AGLT2	N/A	N/A	N/A	N/A	N/A
<b>US-MWT2 ( USA, Midwest ATLAS T2 )</b>						
	IU_OSG	N/A	N/A	N/A	N/A	N/A
	MWT2_IU	N/A	N/A	N/A	N/A	N/A
	MWT2_UC	N/A	N/A	N/A	N/A	N/A
	UC_ATLAS_MWT2	N/A	N/A	N/A	N/A	N/A
<b>US-NET2 ( USA, Northeast ATLAS T2 )</b>						
	BU_ATLAS_Tier2	N/A	N/A	N/A	N/A	N/A

Federation	Site	Reli- ability	Avail- ability	Reliability History		
				Jan-08	Feb-08	Mar-08
US-SWT2 ( USA, Southwest ATLAS T2 )						
	OU_OCHEP_SWT2	N/A	N/A	N/A	N/A	N/A
US-WT2 ( USA, SLAC ATLAS T2 )						
	PROD_SLAC	N/A	N/A	N/A	N/A	N/A