



# Tier-2 Availability and Reliability Report

Federation Summary - Sorted by Name

May 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           | Reli-<br>ability | Avail-<br>ability | Federation          | Reli-<br>ability | Avail-<br>ability |
|----------------------|------------------|-------------------|---------------------|------------------|-------------------|
| AT-HEPHY-VIENNA-UIBK | 99 %             | 94 %              | KR-KISTI-T2         | 59 %             | 59 %              |
| AU-ATLAS             | 20 %             | 20 %              | NO-NORDGRID-T2      | N/A              | N/A               |
| BE-TIER2             | 83 %             | 82 %              | PK-CMS-T2           | 62 %             | 60 %              |
| CA-EAST-T2           | 90 %             | 90 %              | PL-TIER2-WLCG       | 92 %             | 90 %              |
| CA-WEST-T2           | 84 %             | 83 %              | PT-LIP-LCG-Tier2    | 84 %             | 77 %              |
| CH-CHIPP-CSCS        | 94 %             | 94 %              | RO-LCG              | 84 %             | 78 %              |
| CN-IHEP              | 85 %             | 84 %              | RU-RDIG             | 82 %             | 81 %              |
| CZ-Prague-T2         | 89 %             | 79 %              | SE-SNIC-T2          | N/A              | N/A               |
| DE-DESY-ATLAS-T2     | 99 %             | 98 %              | SI-SIGNET           | 96 %             | 96 %              |
| DE-DESY-RWTH-CMS-T2  | 66 %             | 66 %              | T2_US_Caltech       | N/A              | N/A               |
| DE-FREIBURGWUPPERTAL | 73 %             | 63 %              | T2_US_Florida       | N/A              | N/A               |
| DE-GSI               | N/A              | N/A               | T2_US_MIT           | N/A              | N/A               |
| DE-MCAT              | 72 %             | 64 %              | T2_US_Nebraska      | N/A              | N/A               |
| EE-NICPB             | 80 %             | 70 %              | T2_US_Purdue        | N/A              | N/A               |
| ES-ATLAS-T2          | 93 %             | 90 %              | T2_US_UCSD          | N/A              | N/A               |
| ES-CMS-T2            | 95 %             | 93 %              | T2_US_Wisconsin     | N/A              | N/A               |
| ES-LHCb-T2           | 83 %             | 83 %              | TR-Tier2-federation | 82 %             | 82 %              |
| FI-HIP-T2            | N/A              | N/A               | TW-FTT-T2           | 98 %             | 98 %              |
| FR-GRIF              | 99 %             | 99 %              | UA-                 | N/A              | N/A               |
| FR-IN2P3-CC-T2       | 98 %             | 98 %              | UK-London-Tier2     | 94 %             | 73 %              |
| FR-IN2P3-LAPP        | 100 %            | 100 %             | UK-NorthGrid        | 93 %             | 93 %              |
| FR-IN2P3-LPC         | 98 %             | 98 %              | UK-ScotGrid         | 92 %             | 75 %              |
| FR-IN2P3-SUBATECH    | 96 %             | 96 %              | UK-SouthGrid        | 88 %             | 85 %              |
| HU-HGCC-T2           | 70 %             | 63 %              | US-AGLT2            | N/A              | N/A               |
| IL-HEPTier-2         | 43 %             | 43 %              | US-MWT2             | N/A              | N/A               |
| IN-DAE-KOLKATA-TIER2 | 61 %             | 57 %              | US-NET2             | N/A              | N/A               |
| IN-INDIACMS-TIFR     | 62 %             | 54 %              | US-SWT2             | N/A              | N/A               |
| IT-ALICE-federation  | 91 %             | 87 %              | US-WT2              | N/A              | N/A               |
| IT-ATLAS-federation  | 91 %             | 87 %              |                     |                  |                   |
| IT-CMS-federation    | 91 %             | 87 %              |                     |                  |                   |
| IT-LHCb-federation   | 91 %             | 87 %              |                     |                  |                   |
| JP-Tokyo-ATLAS-T2    | 98 %             | 97 %              |                     |                  |                   |



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Availability = % of successful tests

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

Colour coding :

N/A

< 30%

< 60%

< 90%

>= 90%

| Federation           | Reli-ability | Avail-ability | Federation           | Reli-ability | Avail-ability |
|----------------------|--------------|---------------|----------------------|--------------|---------------|
| FR-IN2P3-LAPP        | 100 %        | 100 %         | TR-Tier2-federation  | 82 %         | 82 %          |
| FR-GRIF              | 99 %         | 99 %          | EE-NICPB             | 80 %         | 70 %          |
| AT-HEPHY-VIENNA-UIBK | 99 %         | 94 %          | DE-FREIBURGWUPPERTAL | 73 %         | 63 %          |
| DE-DESY-ATLAS-T2     | 99 %         | 98 %          | DE-MCAT              | 72 %         | 64 %          |
| JP-Tokyo-ATLAS-T2    | 98 %         | 97 %          | HU-HGCC-T2           | 70 %         | 63 %          |
| FR-IN2P3-LPC         | 98 %         | 98 %          | US-NET2              | N/A          | N/A           |
| TW-FTT-T2            | 98 %         | 98 %          | US-MWT2              | N/A          | N/A           |
| FR-IN2P3-CC-T2       | 98 %         | 98 %          | DE-DESY-RWTH-CMS-T2  | 66 %         | 66 %          |
| US-SWT2              | N/A          | N/A           | IN-INDIACMS-TIFR     | 62 %         | 54 %          |
| SI-SiNET             | 96 %         | 96 %          | PK-CMS-T2            | 62 %         | 60 %          |
| FR-IN2P3-SUBATECH    | 96 %         | 96 %          | IN-DAE-KOLKATA-TIER2 | 61 %         | 57 %          |
| ES-CMS-T2            | 95 %         | 93 %          | KR-KISTI-T2          | 59 %         | 59 %          |
| CH-CHIPP-CSCS        | 94 %         | 94 %          | US-AGLT2             | N/A          | N/A           |
| UK-London-Tier2      | 94 %         | 73 %          | IL-HEPTier-2         | 43 %         | 43 %          |
| UK-NorthGrid         | 93 %         | 93 %          | AU-ATLAS             | 20 %         | 20 %          |
| ES-ATLAS-T2          | 93 %         | 90 %          | DE-GSI               | N/A          | N/A           |
| UK-ScotGrid          | 92 %         | 75 %          | FI-HIP-T2            | N/A          | N/A           |
| PL-TIER2-WLCG        | 92 %         | 90 %          | NO-NORDGRID-T2       | N/A          | N/A           |
| IT-ALICE-federation  | 91 %         | 87 %          | SE-SNIC-T2           | N/A          | N/A           |
| IT-ATLAS-federation  | 91 %         | 87 %          | T2_US_Caltech        | N/A          | N/A           |
| IT-CMS-federation    | 91 %         | 87 %          | T2_US_Florida        | N/A          | N/A           |
| IT-LHCb-federation   | 91 %         | 87 %          | T2_US_MIT            | N/A          | N/A           |
| CA-EAST-T2           | 90 %         | 90 %          | T2_US_Nebraska       | N/A          | N/A           |
| CZ-Prague-T2         | 89 %         | 79 %          | T2_US_Purdue         | N/A          | N/A           |
| UK-SouthGrid         | 88 %         | 85 %          | T2_US_UCSD           | N/A          | N/A           |
| CN-IHEP              | 85 %         | 84 %          | T2_US_Wisconsin      | N/A          | N/A           |
| RO-LCG               | 84 %         | 78 %          | UA-                  | N/A          | N/A           |
| PT-LIP-LCG-Tier2     | 84 %         | 77 %          | US-WT2               | N/A          | N/A           |
| CA-WEST-T2           | 84 %         | 83 %          |                      |              |               |
| ES-LHCb-T2           | 83 %         | 83 %          |                      |              |               |
| BE-TIER2             | 83 %         | 82 %          |                      |              |               |
| RU-RDIG              | 82 %         | 81 %          |                      |              |               |



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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  | Site                   | Reli-<br>ability | Avail-<br>ability | Reliability History |        |        |
|---|------------------------|------------------|-------------------|---------------------|--------|--------|
|   |                        |                  |                   | Feb-08              | Mar-08 | Apr-08 |
| <b>AT-HEPHY-VIENNA-UIBK ( Austria, Austrian Tier-2 Federation )</b> |                        |                  |                   |                     |        |        |
|   | HEPHY-UIBK             | 99 %             | 94 %              | 100 %               | 99 %   | 99 %   |
| <b>AU-ATLAS ( Australia, University of Melbourne )</b>              |                        |                  |                   |                     |        |        |
|   | Australia-UNIMELB-LCG2 | 20 %             | 20 %              | 53 %                | 43 %   | 44 %   |
| <b>BE-TIER2 ( Belgium, Belgian Tier-2 Federation )</b>              |                        |                  |                   |                     |        |        |
|   | BEgrid-ULB-VUB         | 74 %             | 74 %              | 53 %                | 80 %   | 78 %   |
|   | BelGrid-UCL            | 91 %             | 91 %              | 90 %                | 98 %   | 88 %   |
| <b>CA-EAST-T2 ( Canada-East Federation )</b>                        |                        |                  |                   |                     |        |        |
|   | TORONTO-LCG2           | 90 %             | 90 %              | 93 %                | 76 %   | 93 %   |
| <b>CA-WEST-T2 ( Canada-West Federation )</b>                        |                        |                  |                   |                     |        |        |
|   | ALBERTA-LCG2           | 95 %             | 95 %              | 53 %                | 68 %   | 92 %   |
|   | SFU-LCG2               | 83 %             | 83 %              | 95 %                | 92 %   | 70 %   |
|   | VICTORIA-LCG2          | 73 %             | 73 %              | 60 %                | 74 %   | 78 %   |
| <b>CH-CHIPP-CSCS ( Switzerland, CHIPP )</b>                         |                        |                  |                   |                     |        |        |
|   | CSCS-LCG2              | 94 %             | 94 %              | 87 %                | 87 %   | 67 %   |
| <b>CN-IHEP ( China, IHEP, Beijing )</b>                             |                        |                  |                   |                     |        |        |
|   | BEIJING-LCG2           | 85 %             | 84 %              | 95 %                | 71 %   | 87 %   |
| <b>CZ-Prague-T2 ( Czech Rep., FZU AS, Prague )</b>                  |                        |                  |                   |                     |        |        |
|   | prague_cesnet_lcg2     | 97 %             | 81 %              | 94 %                | 97 %   | 84 %   |
|   | praguelcg2             | 82 %             | 76 %              | 95 %                | 95 %   | 89 %   |
| <b>DE-DESY-ATLAS-T2 ( Germany ATLAS Federation, DESY )</b>          |                        |                  |                   |                     |        |        |
|   | DESY-HH                | 98 %             | 98 %              | 99 %                | 99 %   | 98 %   |
|   | DESY-ZN                | 99 %             | 99 %              | 96 %                | 96 %   | 98 %   |
| <b>DE-DESY-RWTH-CMS-T2 ( Germany, CMS Federation )</b>              |                        |                  |                   |                     |        |        |
|   | DESY-HH                | 98 %             | 98 %              | 99 %                | 99 %   | 98 %   |
|   | DESY-ZN                | 99 %             | 99 %              | 96 %                | 96 %   | 98 %   |
|   | RWTH-Aachen            | N/A              | N/A               | 71 %                | 62 %   | N/A    |
| <b>DE-FREIBURGWUPPERTAL ( Germany, ATLAS Federation FR/W )</b>      |                        |                  |                   |                     |        |        |
|   | UNI-FREIBURG           | 71 %             | 65 %              | 90 %                | 95 %   | 78 %   |
|   | wuppertalprod          | 76 %             | 61 %              | 67 %                | 82 %   | 71 %   |

| Federation  | Site           | Reliability | Availability | Reliability History |        |        |
|---|----------------|-------------|--------------|---------------------|--------|--------|
|   |                |             |              | Feb-08              | Mar-08 | Apr-08 |
| <b>DE-GSI ( Germany, GSI, Darmstadt )</b>                 |                |             |              |                     |        |        |
|   | GSI-LCG2       | N/A         | N/A          | 89 %                | 88 %   | 59 %   |
| <b>DE-MCAT ( Germany, ATLAS Federation, Munich )</b>      |                |             |              |                     |        |        |
|   | LRZ-LMU        | 53 %        | 38 %         | 95 %                | 93 %   | 91 %   |
|   | MPPMU          | 91 %        | 91 %         | 96 %                | 74 %   | 75 %   |
| <b>EE-NICPB ( Estonia, NICPB, Tallinn )</b>               |                |             |              |                     |        |        |
|   | T2_Estonia     | 80 %        | 70 %         | 71 %                | 46 %   | 49 %   |
| <b>ES-ATLAS-T2 ( Spain, ATLAS Federation )</b>            |                |             |              |                     |        |        |
|   | IFIC-LCG2      | 97 %        | 96 %         | 99 %                | 99 %   | 89 %   |
|   | UAM-LCG2       | 86 %        | 85 %         | 92 %                | 83 %   | 89 %   |
|   | ifae           | 95 %        | 89 %         | 97 %                | 93 %   | 97 %   |
| <b>ES-CMS-T2 ( Spain, CMS Federation )</b>                |                |             |              |                     |        |        |
|   | CIEMAT-LCG2    | 99 %        | 99 %         | 98 %                | 98 %   | 93 %   |
|   | IFCA-LCG2      | 92 %        | 87 %         | 48 %                | 86 %   | 89 %   |
| <b>ES-LHCb-T2 ( Spain, LHCb Federation )</b>              |                |             |              |                     |        |        |
|   | UB-LCG2        | 67 %        | 67 %         | 85 %                | 77 %   | 74 %   |
|   | USC-LCG2       | 99 %        | 99 %         | 98 %                | 89 %   | 94 %   |
| <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           | 99 %        | 99 %         | 99 %                | 97 %   | 98 %   |
| <b>FR-IN2P3-CC-T2 ( France, CC-IN2P3 AF )</b>             |                |             |              |                     |        |        |
|   | IN2P3-CC-T2    | 98 %        | 98 %         | 100 %               | 96 %   | 98 %   |
| <b>FR-IN2P3-LAPP ( France, LAPP, Annecy )</b>             |                |             |              |                     |        |        |
|   | IN2P3-LAPP     | 100 %       | 100 %        | 100 %               | 89 %   | 97 %   |
| <b>FR-IN2P3-LPC ( France, LPC, Clermont-Ferrand )</b>     |                |             |              |                     |        |        |
|   | IN2P3-LPC      | 98 %        | 98 %         | 96 %                | 100 %  | 95 %   |
| <b>FR-IN2P3-SUBATECH ( France, SUBATECH, Nantes )</b>     |                |             |              |                     |        |        |
|   | IN2P3-SUBATECH | 96 %        | 96 %         | 98 %                | 99 %   | 92 %   |
| <b>HU-HGCC-T2 ( Hungary, HGCC Federation )</b>            |                |             |              |                     |        |        |
|   | BUDAPEST       | 90 %        | 90 %         | 62 %                | 97 %   | 89 %   |
|   | ELTE           | 50 %        | 36 %         | 90 %                | 80 %   | 79 %   |
| <b>IL-HEPTier-2 ( Israel, HEP-IL Tier-2 Federation )</b>  |                |             |              |                     |        |        |
|   | TAU-LCG2       | N/A         | N/A          | 16 %                | 12 %   | 9 %    |
|   | WEIZMANN-LCG2  | 87 %        | 87 %         | 97 %                | 96 %   | 88 %   |
| <b>IN-DAE-KOLKATA-TIER2 ( India, VECC/SINP, Kolkata )</b> |                |             |              |                     |        |        |
|   | IN-DAE-VECC-01 | 61 %        | 57 %         | 89 %                | 93 %   | 88 %   |
| <b>IN-INDIACMS-TIFR ( India, TIFR, Mumbai )</b>           |                |             |              |                     |        |        |

| Federation  | Site              | Reliability | Availability | Reliability History |        |        |
|---|-------------------|-------------|--------------|---------------------|--------|--------|
|   |                   |             |              | Feb-08              | Mar-08 | Apr-08 |
|   | INDIACMS-TIFR     | 62 %        | 54 %         | 7 %                 | 53 %   | 74 %   |
| <b>IT-ALICE-federation ( Italy, INFN ALICE Federation )</b> |                   |             |              |                     |        |        |
|   | INFN-BARI         | 90 %        | 90 %         | 79 %                | 85 %   | 81 %   |
|   | INFN-CATANIA      | 93 %        | 93 %         | 2 %                 | 75 %   | 96 %   |
|   | INFN-FRASCATI     | 96 %        | 74 %         | 96 %                | 71 %   | 97 %   |
|   | INFN-LNL-2        | 91 %        | 88 %         | 99 %                | 99 %   | 84 %   |
|   | INFN-MILANO       | 99 %        | 90 %         | 91 %                | 96 %   | 91 %   |
|   | INFN-NAPOLI-ATLAS | 93 %        | 90 %         | 96 %                | 90 %   | 91 %   |
|   | INFN-PISA         | 81 %        | 78 %         | 75 %                | 88 %   | 72 %   |
|   | INFN-ROMA1        | 91 %        | 90 %         | 92 %                | 93 %   | 79 %   |
|   | INFN-ROMA1-CMS    | 93 %        | 93 %         | 15 %                | 31 %   | 64 %   |
|   | INFN-TORINO       | 87 %        | 87 %         | 80 %                | 88 %   | 78 %   |
| <b>IT-ATLAS-federation ( Italy, INFN ATLAS Federation )</b> |                   |             |              |                     |        |        |
|   | INFN-BARI         | 90 %        | 90 %         | 79 %                | 85 %   | 81 %   |
|   | INFN-CATANIA      | 93 %        | 93 %         | 2 %                 | 75 %   | 96 %   |
|   | INFN-FRASCATI     | 96 %        | 74 %         | 96 %                | 71 %   | 97 %   |
|   | INFN-LNL-2        | 91 %        | 88 %         | 99 %                | 99 %   | 84 %   |
|   | INFN-MILANO       | 99 %        | 90 %         | 91 %                | 96 %   | 91 %   |
|   | INFN-NAPOLI-ATLAS | 93 %        | 90 %         | 96 %                | 90 %   | 91 %   |
|   | INFN-PISA         | 81 %        | 78 %         | 75 %                | 88 %   | 72 %   |
|   | INFN-ROMA1        | 91 %        | 90 %         | 92 %                | 93 %   | 79 %   |
|   | INFN-ROMA1-CMS    | 93 %        | 93 %         | 15 %                | 31 %   | 64 %   |
|   | INFN-TORINO       | 87 %        | 87 %         | 80 %                | 88 %   | 78 %   |
| <b>IT-CMS-federation ( Italy, INFN CMS Federation )</b>     |                   |             |              |                     |        |        |
|   | INFN-BARI         | 90 %        | 90 %         | 79 %                | 85 %   | 81 %   |
|   | INFN-CATANIA      | 93 %        | 93 %         | 2 %                 | 75 %   | 96 %   |
|   | INFN-FRASCATI     | 96 %        | 74 %         | 96 %                | 71 %   | 97 %   |
|   | INFN-LNL-2        | 91 %        | 88 %         | 99 %                | 99 %   | 84 %   |
|   | INFN-MILANO       | 99 %        | 90 %         | 91 %                | 96 %   | 91 %   |
|   | INFN-NAPOLI-ATLAS | 93 %        | 90 %         | 96 %                | 90 %   | 91 %   |
|   | INFN-PISA         | 81 %        | 78 %         | 75 %                | 88 %   | 72 %   |
|   | INFN-ROMA1        | 91 %        | 90 %         | 92 %                | 93 %   | 79 %   |
|   | INFN-ROMA1-CMS    | 93 %        | 93 %         | 15 %                | 31 %   | 64 %   |
|   | INFN-TORINO       | 87 %        | 87 %         | 80 %                | 88 %   | 78 %   |
| <b>IT-LHCb-federation ( Italy, INFN LHCb Federation )</b>   |                   |             |              |                     |        |        |
|   | INFN-BARI         | 90 %        | 90 %         | 79 %                | 85 %   | 81 %   |
|   | INFN-CATANIA      | 93 %        | 93 %         | 2 %                 | 75 %   | 96 %   |
|   | INFN-FRASCATI     | 96 %        | 74 %         | 96 %                | 71 %   | 97 %   |
|   | INFN-LNL-2        | 91 %        | 88 %         | 99 %                | 99 %   | 84 %   |
|   | INFN-MILANO       | 99 %        | 90 %         | 91 %                | 96 %   | 91 %   |
|   | INFN-NAPOLI-ATLAS | 93 %        | 90 %         | 96 %                | 90 %   | 91 %   |
|   | INFN-PISA         | 81 %        | 78 %         | 75 %                | 88 %   | 72 %   |
|   | INFN-ROMA1        | 91 %        | 90 %         | 92 %                | 93 %   | 79 %   |

| Federation   | Site                 | Reliability | Availability | Reliability History |        |        |
|--|----------------------|-------------|--------------|---------------------|--------|--------|
|  |                      |             |              | Feb-08              | Mar-08 | Apr-08 |
|  | INFN-ROMA1-CMS       | 93 %        | 93 %         | 15 %                | 31 %   | 64 %   |
|  | INFN-TORINO          | 87 %        | 87 %         | 80 %                | 88 %   | 78 %   |
| <b>JP-Tokyo-ATLAS-T2 ( Japan, ICEPP, Tokyo )</b>             |                      |             |              |                     |        |        |
|  | TOKYO-LCG2           | 98 %        | 97 %         | 96 %                | 97 %   | 96 %   |
| <b>KR-KISTI-T2 ( Republic of Korea, KISTI, Daejeon )</b>     |                      |             |              |                     |        |        |
|  | KR-KISTI-GCRT-01     | 59 %        | 59 %         | 72 %                | 77 %   | 74 %   |
| <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             | 56 %        | 51 %         | 41 %                | 82 %   | 65 %   |
|  | PAKGRID-LCG2         | 69 %        | 69 %         | 67 %                | 64 %   | 72 %   |
| <b>PL-TIER2-WLCG ( Poland, Polish Tier-2 Federation )</b>    |                      |             |              |                     |        |        |
|  | CYFRONET-IA64        | 95 %        | 90 %         | 97 %                | 97 %   | 93 %   |
|  | CYFRONET-LCG2        | 93 %        | 93 %         | 91 %                | 98 %   | 95 %   |
|  | PSNC                 | 88 %        | 82 %         | 94 %                | 83 %   | 89 %   |
|  | WARSAW-EGEE          | 94 %        | 94 %         | 88 %                | 99 %   | 89 %   |
| <b>PT-LIP-LCG-Tier2 ( Portugal, LIP Tier-2 Federation )</b>  |                      |             |              |                     |        |        |
|  | LIP-Coimbra          | 97 %        | 97 %         | 69 %                | 60 %   | 92 %   |
|  | LIP-Lisbon           | 71 %        | 57 %         | 53 %                | 87 %   | 64 %   |
| <b>RO-LCG ( Romania, Romanian Tier-2 Federation )</b>        |                      |             |              |                     |        |        |
|  | NIHAM                | 85 %        | 73 %         | 98 %                | 88 %   | 95 %   |
|  | RO-01-ICI            | 80 %        | 72 %         | 97 %                | 79 %   | 87 %   |
|  | RO-02-NIPNE          | 78 %        | 67 %         | 94 %                | 91 %   | 89 %   |
|  | RO-07-NIPNE          | 86 %        | 86 %         | 91 %                | 84 %   | 91 %   |
|  | RO-11-NIPNE          | 93 %        | 93 %         | 95 %                | 76 %   | 74 %   |
| <b>RU-RDIG ( Russian Fed., Russian Data-Intensive GRID )</b> |                      |             |              |                     |        |        |
|  | ITEP                 | 81 %        | 81 %         | 93 %                | 100 %  | 95 %   |
|  | JINR-LCG2            | 95 %        | 95 %         | 97 %                | 89 %   | 90 %   |
|  | RRC-KI               | 73 %        | 73 %         | 57 %                | 50 %   | 60 %   |
|  | RU-Phys-SPbSU        | 78 %        | 78 %         | 81 %                | 82 %   | 73 %   |
|  | RU-Protvino-IHEP     | 92 %        | 92 %         | 88 %                | 97 %   | 97 %   |
|  | RU-SPbSU             | 80 %        | 80 %         | 98 %                | 74 %   | 79 %   |
|  | Ru-Troitsk-INR-LCG2  | 85 %        | 85 %         | 93 %                | 60 %   | 76 %   |
|  | ru-Moscow-FIAN-LCG2  | 44 %        | 33 %         | 85 %                | 90 %   | 80 %   |
|  | ru-Moscow-MEPHI-LCG2 | 92 %        | 92 %         | 92 %                | 93 %   | 70 %   |
|  | ru-Moscow-SINP-LCG2  | 97 %        | 97 %         | 58 %                | 99 %   | 98 %   |
|  | ru-PNPI              | 90 %        | 90 %         | 94 %                | 92 %   | 82 %   |
| <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                | 96 %        | 96 %         | 96 %                | 93 %   | 92 %   |

| Federation   | Site                    | Reliability | Availability | Reliability History |        |        |
|--|-------------------------|-------------|--------------|---------------------|--------|--------|
|  |                         |             |              | Feb-08              | Mar-08 | Apr-08 |
| <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    |
|  | purdue-steele           | N/A         | N/A          | N/A                 | N/A    | N/A    |
| <b>T2_US_UCSD ( USA, UC San Diego CMS T2 )</b>                   |                         |             |              |                     |        |        |
|  | 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              | 77 %        | 77 %         | 92 %                | 95 %   | 51 %   |
|  | TR-10-ULAKBIM           | 88 %        | 88 %         | 82 %                | 85 %   | 80 %   |
| <b>TW-FTT-T2 ( Taipei, Taiwan Analysis Facility Federation )</b> |                         |             |              |                     |        |        |
|  | TW-FTT                  | 98 %        | 98 %         | 73 %                | 86 %   | 87 %   |
| <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          | 98 %        | 96 %         | 94 %                | 66 %   | 74 %   |
|  | UKI-LT2-IC-HEP          | 99 %        | 86 %         | 99 %                | 97 %   | 95 %   |
|  | UKI-LT2-IC-LeSC         | 99 %        | 99 %         | 100 %               | 99 %   | 97 %   |
|  | UKI-LT2-QMUL            | 88 %        | 76 %         | 68 %                | N/A    | N/A    |
|  | UKI-LT2-RHUL            | 97 %        | 78 %         | 81 %                | 89 %   | 89 %   |
|  | UKI-LT2-UCL-CENTRAL     | N/A         | N/A          | 82 %                | 74 %   | N/A    |
|  | UKI-LT2-UCL-HEP         | 82 %        | 73 %         | 79 %                | 85 %   | 86 %   |
| <b>UK-NorthGrid ( UK, NorthGrid )</b>                            |                         |             |              |                     |        |        |
|  | UKI-NORTHGRID-LANCS-HEP | 88 %        | 88 %         | 85 %                | 76 %   | 94 %   |
|  | UKI-NORTHGRID-LIV-HEP   | 97 %        | 97 %         | 4 %                 | 83 %   | 93 %   |
|  | UKI-NORTHGRID-MAN-HEP   | 88 %        | 88 %         | 99 %                | 99 %   | 92 %   |
|  | UKI-NORTHGRID-SHEF-HEP  | 98 %        | 98 %         | 90 %                | 98 %   | 91 %   |
| <b>UK-ScotGrid ( UK, ScotGrid )</b>                              |                         |             |              |                     |        |        |
|  | ScotGRID-Edinburgh      | 100 %       | 48 %         | 98 %                | 91 %   | 66 %   |

| Federation                                    | Site                   | Reli-<br>ability | Avail-<br>ability | Reliability History |        |        |
|---|------------------------|------------------|-------------------|---------------------|--------|--------|
|   |                        |                  |                   | Feb-08              | Mar-08 | Apr-08 |
|   | UKI-SCOTGRID-DURHAM    | 88 %             | 88 %              | 95 %                | 93 %   | 87 %   |
|   | UKI-SCOTGRID-ECDF      | 87 %             | 69 %              | 75 %                | 86 %   | 88 %   |
|   | UKI-SCOTGRID-GLASGOW   | 95 %             | 95 %              | 93 %                | 87 %   | 95 %   |
| <b>UK-SouthGrid ( UK, SouthGrid )</b>         |                        |                  |                   |                     |        |        |
|   | EFDA-JET               | 89 %             | 89 %              | 80 %                | 88 %   | 88 %   |
|   | UKI-SOUTHGRID-BHAM-HEP | 94 %             | 93 %              | 92 %                | 91 %   | 92 %   |
|   | UKI-SOUTHGRID-BRIS-HEP | 93 %             | 93 %              | 99 %                | 99 %   | 95 %   |
|   | UKI-SOUTHGRID-CAM-HEP  | 71 %             | 69 %              | 81 %                | 97 %   | 76 %   |
|   | UKI-SOUTHGRID-OX-HEP   | 87 %             | 82 %              | 99 %                | 99 %   | 76 %   |
|   | UKI-SOUTHGRID-RALPP    | 94 %             | 86 %              | 89 %                | 94 %   | 89 %   |
| <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    |
| <b>US-SWT2 ( USA, Southwest ATLAS T2 )</b>    |                        |                  |                   |                     |        |        |
|   | OU_OCHEP_SWT2          | N/A              | N/A               | N/A                 | N/A    | N/A    |
| <b>US-WT2 ( USA, SLAC ATLAS T2 )</b>          |                        |                  |                   |                     |        |        |
|   | PROD_SLAC              | N/A              | N/A               | N/A                 | N/A    | N/A    |