Targets and Milestones for 2007

1 Data Rates for 2007

Based on the data rates for 2008 in the Megatable (link)

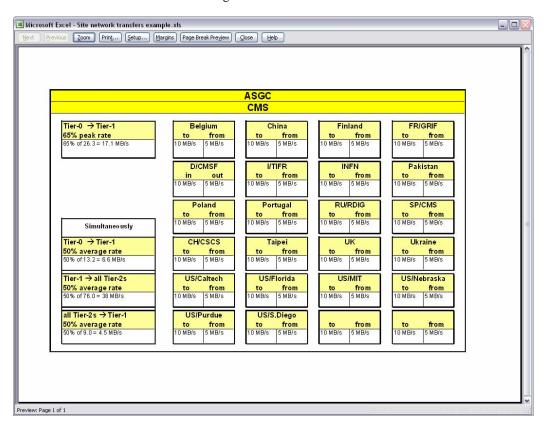
Targets to be achieved by June 07

1.1 CMS

- 65% Tier-0 → Tier-1 peak rate for a week - Tier-1 → each Tier-2 sustain 10 MB/s for 12 hours - Each Tier-2 → Tier-1 sustain 5 MB/s for 12 hours

Aggregate for the Tier-1, SIMULTANEOUSLY:

- Tier-0 → Tier-1 – 50% of average rate for 12 hours - Tier-1 → Tier-2s – 50% of sum of average rate for 12 hours - Tier-2s → Tier-1 – 50% of sum of average rate for 12 hours



1.2 ATLAS

- 65% Tier-0→Tier-1 peak rate for a week

- Tier-1→ each Tier-2 sustain 65% peak rate for 12 hours
- Each Tier-2→Tier-1 sustain 65% peak rate for 12 hours

Aggregate for the Tier-1 SIMULTANEOUSLY:

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- Tier-0 → Tier-1 50% of average rate for 12 hours
 Tier-1 → Tier-2s 50% of sum of average rate for 12 hours
 Tier 2s → Tier 1 50% of sum of average rate for 12 hours
- Tier-2s \rightarrow Tier-1 50% of sum of average rate for 12 hours

2 Site Reliability – Tier-0, Tier-1

2007 SAM targets monthly average

Target for each site

- 91% by Jun 07
- 93% by Dec 07

Taking 8 best sites

- 93% by Jun 07
- 95% by Dec 07

Tier-2s – Begin reporting the monthly averages, but do not set targets yet

3 Other Site Milestones in 2007

3.1 24x7 milestones

- Definition of the levels of support and rules to follow, depending on the issue/alarm February
- Support and operation scenarios tested April

3.2 VOBoxes

- Service level, backup and restore defined- March
- VOBoxes service implemented at the site April

3.3 Job Priorities

- Mapping of the Job priorities on the batch software of the site April
- Configuration and maintenance of the jobs priorities as defined by the VOs June

3.4 3D Service milestones

- Oracle Service in production, and certified by the experiment(s) streams interventions CERN working-hours only March
- Conditions DB in operations (ATLAS, CMS, and LHCb) April

3.5 Procurement

At the beginning of each quarter the capacity required by the experiments (as defined in Harry's table) installed and in production

3.6 SRM 2.2 Storage Systems

Once the Storage Systems have SRM 2.2 certified then we will agree dates for each site to provide:

SRM 2.2 endpoint with storage classes as specified in the Megatable

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Site Milestones	CERN	ASGC	CC- IN2P3	FZK	INFN	NDGF	PIC	RAL	SARA NIKHEF	TRIUMF	US- ATLAS	US- CMS
Feb07			10 01	15 02								
24x7			2007	02 2007								
defined												
Feb07												
VO Box Services defined												
Apr07		ATLAS	ATLAS		LHCb		CMS					
Job Priorities implemented			CMS		ALICE							
Apr 07												
24x7 in operations and tested												
Jun07												
Site Reliability 91%												
Jun07												
Job Priorities												
Tested/used by experiments												
[etc]												

4 Experiment Milestones

4.1 Job Submission Rates

CMS (from CSA07)

Apr 07
 May 07
 Jun 07
 50K jobs/day
 75K jobs/day
 100K jobs/day

•ATLAS

To be defined - similar values?

5 Issues to follow during all 2007

3D in Service, tested by ATLAS and LHCb

3D in production, used for the condition DB

SRM 2.2 implementations, check through the tests

SRM 2.2 tested by the experiments

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SLC4

gLite CE

new RB

FTV v2

VOMS scheduling priorities

24x7 definition and

24x7 test scenario

VO Boxes SLA

VO boxes implementation