

# WLCG Collaboration Workshop Victoria, Canada

Site Readiness Panel Discussion  
Saturday 1 September 2007

## Possible Introductory presentations: for correction svp

- H.Renshall: LCG Management board milestones.
- J.Coles: UK Tier1/2 status.
- L.Dell'Agnello: Italian Tier1/2 status.
- K.Bos: ATLAS view of their sites readiness.
- V.Guelzow: CMS view of their sites readiness.

## Some discussion points

- State of Tier 1/2 hardware resources for startup compared with pledges. Longer term planning - readiness for future major expansion (2010 and beyond).
- Tested readiness of magnetic tape infrastructure.
- Tested readiness of site data management layer to disk and tape including for full rate multi-VO operation.
- Formal planning for 24 by 7 operations ready (including for staffing) and documented to the experiments and other sites.
- Experiment VO boxes in place with Service Level Agreements implemented.
- Experiment local site support in place with clearly defined roles and interfaces to site operations.

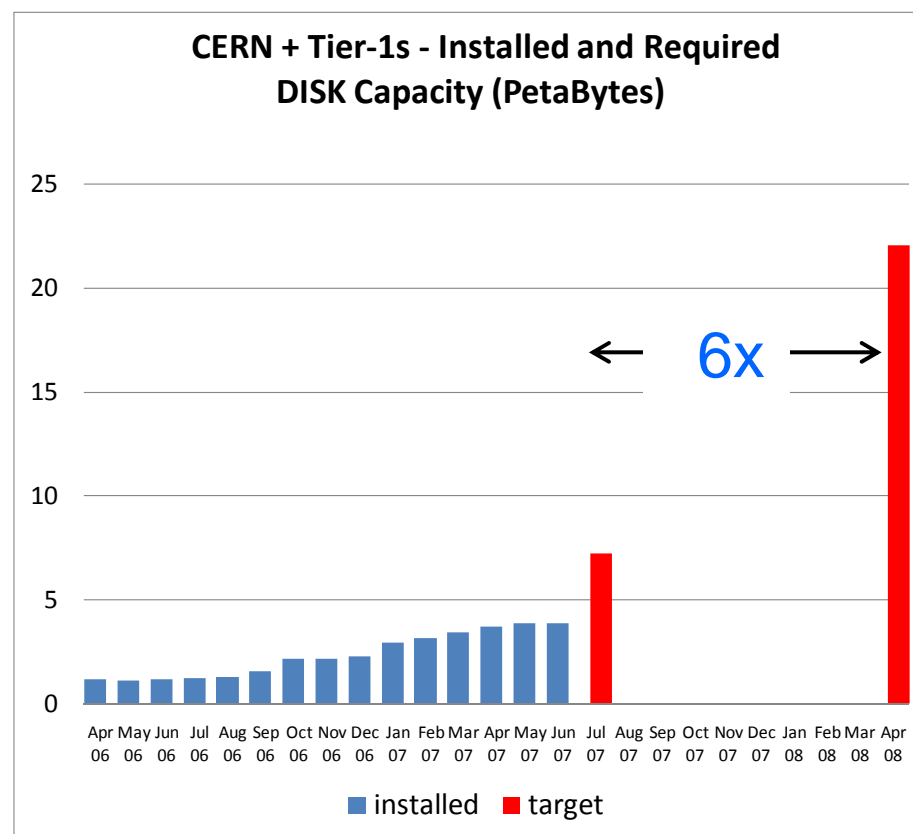
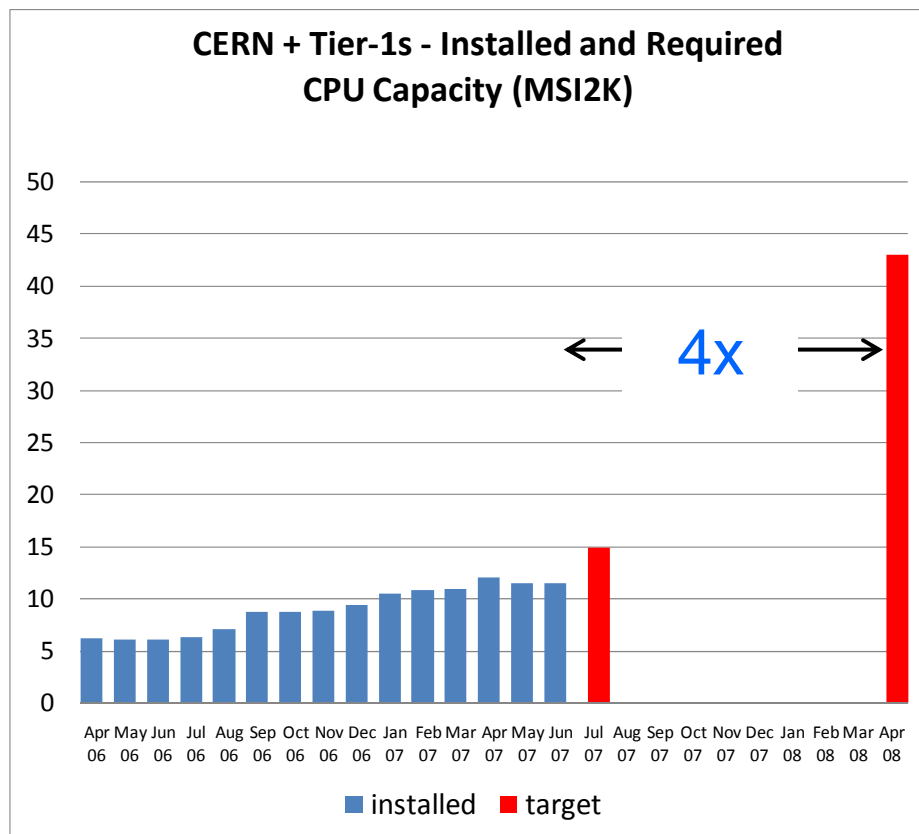
# LCG Management Board Tier0/1 procurement milestones

See [https://twiki.cern.ch/twiki/pub/LCG/QuarterlyReports/QR\\_2007Q2.pdf](https://twiki.cern.ch/twiki/pub/LCG/QuarterlyReports/QR_2007Q2.pdf)

7-Aug-07		WLCG High Level Milestones - 2007													
ID	Date	Milestone	Done (green)				Late < 1 month (orange)			Late > 1 month (red)			BNL	FNAL	
			ASGC	CC IN2P3	CERN	FZK GridKa	INFN CNAF	NDGF	PIC	RAL	SARA NIKHEF	TRIUMF			
<b>Procurement</b>															
WLCG-07-16	1 Jul 2007	MoU 2007 Pledges Installed To fulfill the agreement that all sites procure they 2007 MoU pledged by July 2007	Sept 2007				Sept 2007	Sept 2007	Sept 2007		Jan 2008	Aug 2007	Jul Aug 2007		
WLCG-07-17	1 Apr 2008	MoU 2008 Pledges Installed To fulfill the agreement that all sites procure they MoU pledged by April of every year													

Sites well aware of 1 April 2008 milestone but it is a big increase from now. CERN has major acquisitions running and plans to be ready on time. Detailed plans not yet known from all Tier1 sites.

# Steep ramp-up still needed before first physics run



Evolution of installed capacity from April 06 to June 07  
 Target capacity from MoU pledges for 2007 (due July07)  
 and 2008 (due April 08)

# LCG Management Board Tier0/1 support milestones

7-Aug-07		WLCG High Level Milestones - 2007														
ID	Date	Milestone	Done (green)			Late < 1 month (orange)				Late > 1 month (red)						
			ASGC	CC IN2P3	CERN	FZK GridKa	INFN CNAF	NDGF	PIC	RAL	SARA NIKHEF	TRIUMF	BNL	FNAL		
<b>24x7 Support</b>																
WLCG-07-01	Feb 2007	<b>24x7 Support Definition</b> Definition of the levels of support and rules to follow, depending on the issue/alarm	Done	Done	Done	Late	Done	Late	Late	Late	Late	Late	Late	Done	Done	
WLCG-07-02	Apr 2007	<b>24x7 Support Tested</b> Support and operation scenarios tested via realistic alarms and situations	Late	Done	Done	Late	Late	Late	Late	Late	Late	Late	Late	Done	Done	
WLCG-07-03	Jun 2007	<b>24x7 Support in Operations</b> The sites provides 24x7 support to users as standard operations	Late	Done	Done	Late	Late	Late	Late	Late	Late	Late	Late	Done	Late	
<b>VOBoxes Support</b>																
WLCG-07-04	Apr 2007	<b>VOBoxes SLA Defined</b> Sites propose and agree with the VO the level of support (upgrade, backup, restore, etc) of VOBoxes	Late	Late	Done	Late	Late	Late	Late	Late	Late	Late	Late	Done	Done	
WLCG-07-05	May 2007	<b>VOBoxes SLA Implemented</b> VOBoxes service implemented at the site according to the SLA	Late	Late	Late	Late	Late	Late	Late	Late	Late	Late	Late	Done	Late	
WLCG-07-05b	Jul 2007	<b>VOBoxes Support Accepted by the Experiments</b> VOBoxes support level agreed by the experiments	ALICE											n/a		
			ATLAS											Done		
			CMS												n/a	
			LHCb												n/a	

## Longer term infrastructure plans

- CNAF completing extra power and cooling by end 2007 but not known how long this will be enough.
- RAL new building planned for occupation August 2008.
- BNL to have space increase in 2009 then comfortable to 2012.
- CERN starting long-term expansion planning to begin 2008 with 3 year delivery.
- IN2P3 projecting a new machine room delivery 3Q2009.
- FZK and TRIUMF asking themselves how much power and floor space they will need after 2010.
- What plans from ASGC, SARA, FNAL, NDGF ?
  
- My personal main site readiness worry is the lack of testing of full rate concurrent experiment data taking data management down to the site tape1disk0 and tape0disk1 layers. There is now a separate session on this at 11:30 on Sunday.