

-- HarryRenshall - 06 Mar 2006

Last Updated 1.11.2007: Clarify site resource offers as real percentage of requirements and when normalised to 100% of ALICE requirements.

Updated 05.10.2007: Add new 2008 Tier-1 pledge percentages (normalised to 100%) and Full Scale Dress Rehearsal (FDR) plans for end 2007/early 2008.

Updated 25.06.2007: Split off 2006 plans into a separate linked page and remove LHC engineering run.

Updated 5.03.2007: add planning of full scale dress rehearsal of p-p running beginning in April 2007 and continuing throughout the year.

Updated 25.10.2006: continue the data export tests till end 2006 and add resource requirements for all of 2007.

Updated 18 August: continue the July 300 MB/s export tests until succesful.

Updated 4 August: correct T1 cpu resources required for the network/reconstruction stress test. In fact half the resources will come from T2 sites.

Updated 12 June: add scheduled dates of 24 July to 6 August for T0 to T1 data export tests.

Updated 2 June: add planned July Tier 0 to Tier 1 tests at an aggregate rate from CERN of 300 MB/sec.

ALICE Tier 1 Resource Requirements Timetable for 2006

Tier 1 FZK-Karlsruhe to provide 20% of 2006 resources	Tier 1 IN2P3 to provide 9% of 2006 resources	Tier 1 CNAF to provide 7% of 2006 resources	Distributed Tier 1 NDGF to provide 9% of 2006 resources
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ALICE Tier 1 Resource Requirements Timetable for 2007/8 (under-resourced by 42% if no USA site)

2007/1Q2008 Tier-1 Site resource offers averaging cpu+disk+tape:

FZK-Karlsruhe to provide 29% of 2007 Tier-1 cpu resources	IN2P3 to provide 17% of 2007 Tier-1 cpu resources	CNAF to provide 19% of 2007 Tier-1 cpu resources	NDGF to provide 21% of 2007 Tier-1 cpu resources	NIKHEF to provide 6% of 2007 Tier-1 cpu resources	RAL to provide 1% of 2007 Tier-1 cpu resources	USA site to provide 7% of 2007 Tier-1 cpu resources
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2Q2008/9 Tier-1 Site resource offers averaging cpu+disk only. The percent shares normalised to 100% of the experiment requirements are shown in brackets:

FZK-Karlsruhe offers 25% (39%) of 2008 Tier-1 cpu+disk resources	IN2P3 offers 9% (14%) of 2008 Tier-1 cpu+disk resources	CNAF offers 7% (11%) of 2008 Tier-1 cpu+disk resources	NDGF offers 12% (18%) of 2008 Tier-1 cpu+disk resources	NIKHEF offers 3.5% (5.5%) of 2008 Tier-1 cpu resources	RAL offers 1% (1.5%) of 2008 Tier-1 cpu resources	USA site offers 7% (11%) of 2008 Tier-1 cpu resources
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ALICE Distribution of activities over 2007/8

Month	ALICE Requirements

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January 2007	During first quarter build up to a data challenge of 75% of the last quarter (data taking) capacity using new site capacity as and when available. Require up to 2325 KSi2K cpu, 720 TB disk and 1500 TB tape over the 7 Tier-1.
February	During first quarter build up to a data challenge of 75% of the last quarter (data taking) capacity using new site capacity as and when available. Require up to 2325 KSi2K cpu, 720 TB disk and 1500 TB tape over the 7 Tier-1.
March	During first quarter build up to a data challenge of 75% of the last quarter (data taking) capacity using new site capacity as and when available. Require up to 2325 KSi2K cpu, 720 TB disk and 1500 TB tape over the 7 Tier-1.
April	Require up to 2325 KSi2K cpu, 720 TB disk and 1500 TB tape over the 7 Tier-1. Start full scale dress rehearsal of p-p running with raw data (at 50 MB/s) and ESD (10% of the raw) export from CERN, reconstruction at Tier-1 and user analysis and simulation at Tier-2. Export rate from CERN to reach 55 MB/s will be 10 MB/s to CNAF, 9 MB/s to IN2P3, 16 MB/s to FZK, 1 MB/s to RAL, 3 MB/s to NIKHEF, 12 MB/s to NDGF and 4 MB/s to US. The data are to be stored in a Tape1Disk1 class storage but where ALICE will manage the disk space.
May	Require up to 2325 KSi2K cpu, 720 TB disk and 1500 TB tape over the 7 Tier-1. Maximum export rate from CERN of 230 MB/s will be 38 MB/s to CNAF, 38 MB/s to IN2P3, 60 MB/s to FZK, 4 MB/s to RAL, 23 MB/s to NIKHEF, 38 MB/s to NDGF and 30 MB/s to USA.
June	Require up to 2325 KSi2K cpu, 720 TB disk and 1500 TB tape over the 7 Tier-1. Maximum export rate from CERN of 230 MB/s will be 38 MB/s to CNAF, 38 MB/s to IN2P3, 60 MB/s to FZK, 4 MB/s to RAL, 23 MB/s to NIKHEF, 38 MB/s to NDGF and 30 MB/s to USA.
July	Require up to 2325 KSi2K cpu, 720 TB disk and 1500 TB tape over the 7 Tier-1. Maximum export rate from CERN of 230 MB/s will be 38 MB/s to CNAF, 38 MB/s to IN2P3, 60 MB/s to FZK, 4 MB/s to RAL, 23 MB/s to NIKHEF, 38 MB/s to NDGF and 30 MB/s to USA.
August	Require up to 2325 KSi2K cpu, 720 TB disk and 1500 TB tape over the 7 Tier-1. Maximum export rate from CERN of 230 MB/s will be 38 MB/s to CNAF, 38 MB/s to IN2P3, 60 MB/s to FZK, 4 MB/s to RAL, 23 MB/s to NIKHEF, 38 MB/s to NDGF and 30 MB/s to USA.
September	Require up to 2325 KSi2K cpu, 720 TB disk and 1500 TB tape over the 7 Tier-1. Maximum export rate from CERN of 230 MB/s will be 38 MB/s to CNAF, 38 MB/s to IN2P3, 60 MB/s to FZK, 4 MB/s to RAL, 23 MB/s to NIKHEF, 38 MB/s to NDGF and 30 MB/s to USA.
October	Require up to 2325 KSi2K cpu, 720 TB disk and 1500 TB tape over the 7 Tier-1. Maximum export rate from CERN of 230 MB/s will be 38 MB/s to CNAF, 38 MB/s to IN2P3, 60 MB/s to FZK, 4 MB/s to RAL, 23 MB/s to NIKHEF, 38 MB/s to NDGF and 30 MB/s to USA.
November	Start full scale dress rehearsal of p-p running with detector cosmics plus injected simulated raw data. Raw data export (at up to 60 MB/s) and ESD (10% of the raw) export from CERN after first pass reconstruction at CERN. Export rate from CERN to reach 66 MB/s will be 7 MB/s to CNAF, 9 MB/s to IN2P3, 26 MB/s to FZK, 1 MB/s to RAL, 4 MB/s to NIKHEF, 12 MB/s to NDGF and 7 MB/s to US. The data are to be stored in a Tape1Disk1 class storage but where ALICE will manage the disk space. The injected MonteCarlo data are to be deleted later but the fraction is not yet known.
December	Continue full scale dress rehearsal of p-p running with detector cosmics plus injected simulated raw data. Raw data export (at up to 60 MB/s) and ESD (10% of the raw) export from CERN after first pass reconstruction at CERN. Export rate from CERN to reach 66 MB/s will be 7 MB/s to CNAF, 9 MB/s to IN2P3, 26 MB/s to FZK, 1 MB/s to RAL, 4 MB/s to NIKHEF, 12 MB/s to NDGF and 7 MB/s to US. The data are to be stored in a Tape1Disk1 class storage but where ALICE will manage the disk space. The injected MonteCarlo data are to be deleted later but the fraction is not yet known. Start reconstruction at Tier-1 and user analysis and simulation at Tier-2 (simulation is a continuous Tier-2 activity).
January 2008	
February	Restart full scale dress rehearsal of p-p as the ALICE participation in the CCRC'08 February functional test running (2 weeks planned) with detector cosmics plus injected simulated raw data and building up the online detector algorithms and quality assurance. Raw data export (at up to 60

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	MB/s) and ESD (10% of the raw) export from CERN after first pass reconstruction at CERN. Export rate from CERN to reach 66 MB/s will be 7 MB/s to CNAF, 9 MB/s to IN2P3, 26 MB/s to FZK, 1 MB/s to RAL, 4 MB/s to NIKHEF, 12 MB/s to NDGF and 7 MB/s to US. The data are to be stored in a Tape1Disk1 class storage but where ALICE will manage the disk space. The injected MonteCarlo data are to be deleted later but the fraction is not yet known. Continue reconstruction at Tier-1 and user analysis and simulation at Tier-2
March	Continue as February.
April	Continue as February. For 2008 running require 10100 KSi2K cpu, 4000 TB disk and 5800 TB tape over the 7 Tier-1.
May	Continue as February as the ALICE participation in the CCRC'08 May full nominal p-p rates running (4 weeks planned).
June	
July	Start of Pilot Physics Run1

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