



WLCG Service Report

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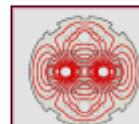
WLCG Management Board, 2nd September 2008



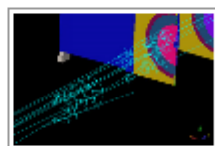
LHC First Beam

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News on LHC start-up



LHC First Beam on
10 September 2008



[Final LHC Synchronization Test a Success](#)

25.08.2008

CERN has today announced the success of the second and final test of the Large Hadron Collider's beam synchronization systems which will allow the LHC operations team to inject the first beam into the

LHC. [>>](#)

General information

Accreditations close
No accreditations will be
on 10 September

- Live Satellite Broadcast
- Live webcast (from 8:30 on 10 Sep)
- What will happen on
- Technical information media
- Practical information

Video interviews

General

- Participation in daily meetings has remained rather constant over summer
- BNL, PIC and RAL are most regular remote T1 participants, also GRIF(T2), NIKHEF & IN2P3
- Based on the length of the daily minutes & number of issues alone, activity is greater than during formal runs of CCRC'08
- *How will this change in real data taking? x2? x10?*
- Request to move meeting slot – later times would clash with existing meetings on at least 3 day, earlier not practical for North American sites
- Has proven to be a valuable way of ensuring information flow and follow-up / dispatching of problems – will (IMHO) be even more essential in coming weeks, but need to adapt to realities of data taking / processing

Service Issues

- Still some gaps in handling of routine service issues (interventions, priority follow-up etc.)
 - e.g. treatment of online DBs – use of IT status board
 - Coordination of DB service issues for external sites running CASTOR
 - Some missing monitoring / alarms – e.g. network switches
 - Triggering emergency follow-up – use it when needed!
- Upgrade / interventions – still continuing at a high rate!
 - It is clear that we cannot 'freeze' services, but are all of the planned / wished interventions really needed? Wise?
- Post-mortems now regularly produced
 - IMHO, the level of detail and timeliness in producing these is good
- Service coverage – taking remaining vacation?
 - Re-visit at end...

Sites – Some Key Issues

1. From 10:00 on Friday 22 August switch in CERN CC caused overload putting router in bad state. Led to degradation in CASTOR service over w/e which meant first events (LHCb) were inaccessible.
2. CASTOR instance at RAL for ATLAS – bulkinsert constraint violation – re-visit of cached cursor syndrome? Still being followed up...
3. CASTOR issues at CNAF – use of ALARM procedure but follow-up delayed – **ticket arrived only the day after due to some bug in the ROC ticket system.**
Oracle version for CASTOR? How / where is this coordinated? (T1 DBAs participate in 3D calls)
4. CERN-BNL OPN issues. This 'link' seems to have had more problems than others for quite some time (months)
5. CERN DB issues – online DBs play a critical role, as can be seen from daily service reports.

Services & Experiments

- This 'view' tells a similar story – for time reasons I will not attempt to summarize the detail from the last two weeks, as I don't believe that this alters the main conclusions (next).
- Also, it seems that the daily minutes are now rather widely and regularly read (and linked to the agenda page of today's MB...)
- What level of detail is required in these regular updates?

Conclusions

- Had we been taking data this summer it would have been somewhat painful, to say the least
- **But we will be taking data – from pp collisions in the LHC – in a matter of weeks from now!**
- And very soon we have to start preparing for next year (many many upgrades in the pipeline! – and we didn't yet finish the previous round (viz SL(C)4))
- But this will be fundamentally different to the past – as reprocessing and first results(!) will also be very high on the agenda!
- .. I hope that you all managed to get a good rest over the summer ..