Goals and Metrics for Data Taking Readiness "Challenge"

From C-RRB talk on 11 November:

Re-validation of the service

- All experiments are continually running simulations, cosmics, specific tests (and have been since CCRC'08) at high workload levels – this will continue

- A full CCRC'09 in the same mode as 2008 is not regarded as useful

- But, we will perform specific tests/validations:
  - Service validation if software is changed/upgraded
  - Specific tests (e.g. throughput) to ensure that no problems have been introduced
  - Tests of functions not yet tested (e.g. Reprocessing/data recall at Tier 1s)

- Details of the test programme will be discussed and agreed in the workshop already planned for November

Experiment plans

- ALICE: High volume MC prod starting Dec. 2nd pass reconstruction of cosmics Jan/Feb 09.

- ATLAS: Early 09 reprocessing cosmics. 1/3 of year FTs, reproc,MC prod, analysis challenge. 2/3 cosmics+beam

- CMS: CRUZET global run before LHC restart. Work underground till mid-May. End to end challenge now.

- LHCb: Full Experiment Services Test early 2009.

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11:15 Goals & Metrics for Data Taking Readiness "Challenge" (45')

- *Service validation if software is changed/upgraded*
- *Specific tests (e.g. throughput) to ensure that no problems have been introduced*
- *Tests of functions not yet tested (e.g. Reprocessing/data recall at Tier1s)*

- "Simulated" downtime of 1-3 Tier1s for up to – or exceeding – 5 days (window?) to understand how system handles export including recall from tape
- Extensive concurrent batch load – do shares match expectations?
- Extensive overlapping "functional blocks" – concurrent production & analysis activities
- Reprocessing and analysis use cases (Tier1 & Tier2) and conditions "DB" load - validation of current deployment(s)
- Tape rates - can sites support concurrent tape rates needed by all VOs it supports concurrently?

- Oracle 11g release 2