



# WLCG Service Report

4 weeks, September 17 – October 15

WLCG Management Board, Oct 15, 2024

Panos Paparrigopoulos, Maarten Litmaath

v1.2

# Operations Coordination meetings

- These meetings normally are held **once** per month
  - Usually on the first Thursday
- Each meeting has a standard agenda plus usually at least one **dedicated topic**, announced in advance
- Experiments and sites are kindly asked to have the **relevant experts** attend, depending on the topic(s)
- Next meeting on November 7, 2024
  - TBD

# Operations Coordination highlights (1)

## ■ APEL status report

- EL7 migration:
  - Some issues have been detected by the sites during testing of the client, which are now fixed. Deployment ongoing.
  - The server should be deployed in production by the end of October.
- APEL version with tracking of HS23 deployment
  - Testing by the sites with various configurations is ongoing.
  - A new server with HS23 functionality should be deployed in production by the end of November.

## ■ AUDITOR

- A detailed presentation on AUDITOR's architecture and capabilities.
- Support for accounting of different resources shared by an overlay batch system and for distributing accounting data to various clients (incl. APEL).
- Already in use at KIT for various use cases.
- Can potentially replace the APEL client, in particular for sites that have different types of resources and send normalized records.

# Operations Coordination highlights (2)

- Analysis of conversion factors by using HS23
  - Thorough study showing that core-power values often are inconsistent across various sources.
    - ATLAS-CRIC, BDII, and the actual values obtained from benchmarking results.
  - Discussion on how such differences can be avoided and remedied.
  - Follow-ups on potential developments foreseen in the **Technical Coordination Board** and discussions in the **Open Technical Forum**.
- WLCG Helpdesk status
  - On October 1st, a broadcast was sent inviting users to register.
  - More functionality will be announced when ready for testing.

# Operations Coordination highlights (3)

- UMD-5 for EL9 is being beta-tested
  - Software category descriptions still require improvement.
  - An official readiness announcement is expected on 21 October.
- ATLAS inquired on whether there is a WLCG protocol for site decommissioning
  - The question arose after a site was decommissioned without adequate communication, resulting in data being trapped at the site.
  - WLCG Ops coordination will look into a formal procedure for decommissioning sites.
- Usage of Russian sites after 30 November
  - To be clarified in [this MB meeting](#).

# Operations Coordination highlights (4)

- CMS
  - SRM to REST migration for tape endpoints has one site remaining.
    - Blocked by transfer backlog of 16 PB.
- LHCb
  - New T2 site in **Lanzhou**, China.
  - Run-1 and -2 data sets reduced to single replicas because of disk space shortage.

# Selected items from Operations (1)

- LHCb
  - **Alarm** ticket for SARA because of job submission failures ([GGUS:168300](#))
- CNAF
  - LHCb reported that normal activity at CNAF has been restored and the site appears to be mostly stable.
    - A set of files were **corrupted** due to a *network* problem ([GGUS:168495](#))
  - 200 TB hot-storage buffer on NVMe added for I/O-intensive LHCb jobs.
    - Filled up quickly right after its preparation, CNAF is trying to put a proper placement policy in place.
  - **Waiting for vendor to implement the proposed solution by end October.**
    - More disk space and a new controller configuration.

# Service Incident Reports

- CNAF incident is recorded but a report is pending from CNAF



# GGUS summary (4 weeks, Sep 16 – Oct 13)

VO	Incidents	Alarms	Total
ALICE	1	0	1
ATLAS	53	0	53
CMS	62	0	62
LHCb	17	1	18
Totals	133	1	134

