Data Center Operational Highlights Week 5 - 2024

Incoming Hardware
- CMS critical servers 23 units – FCC (install in progress)
- GPU nodes - FCC (install in progress)
- Arista switch 7808 (install in progress FCC)

facility ready indicates that data center/computer room have enough power, cooling, physical and loading capacity to support the hardware

Incident(s)
- Nothing to report.

Planned Maintenances (no impact)
- CHG000000022548: On Wednesday (1/24), LionHeart performed Quarterly inspections of Cummins and Cat Standby Generators. Additionally, LionHeart replaced the battery cables on the Cat generators and added fuel additive to provide adequate cold weather protection.

- CHG000000022634: On Wednesday (1/24), Vertiv on-site to replace an out of spec. defective battery in the GCC-TRR 40KVA UPS (UPS-2).

Projects / Corrective Action (no impact)
- Nothing to report.

Miscellaneous

- DCO collaborated with Atiq to schedule a visit at Fermilab on Thursday (1/25) by Thermflo and Zonatherm representatives to discuss at the decommissioned computer room C located in the Grid Computing Center (GCC). During this initial meeting we discussed existing data center infrastructure at GCC computer room C and potential options for upgrading this computer room to house new computing and disk storage for the 2025 through 2030 years. Some Items which were discussed included providing recommendations and associated cost estimates to upgrade cooling and UPS equipment in terms of model, size/and or capacity, explore water cooling options, explore installing a standby generator. Thermflo and Zonatherm will provide an initial assessment in about 2 weeks.

- December 2023 Average PUE:
GCC: 1.70
FCC: 1.60

- Data Center Assessment – in progress

- Stable operation of the FCC and GCC data centers and WH8 Fiber Central.