WBS 2.3 Facilities and Distributed Computing FY23

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Pre-Scrubbing

June 2022

2.3 L3 Overview

❖ **2.3.1 Tier 1**
  ▪ Meeting Tier1 pledges for cpu, disk and tape
  ▪ New data center, Storage R&D

❖ **2.3.2 Tier2**
  ▪ Meeting Tier2 pledges for cpu, disk
  ▪ Maintaining stable operations, working with CIOPS area
  ▪ NET2 evolution

❖ **2.3.3 HPC**
  ▪ Integration with and access to allocations of the leadership class HPC centers
  ▪ Another NSF LSCP allocation at Frontera, new machine Perlmutter
  ▪ Rui Wang joined effort at 0.3 FTE
  ▪ Overall reduction in effort to 0.55 FTE (some activities to be labelled as WBS 2.4.2)

❖ **2.3.4 Analysis Facilities**
  ▪ UC AF online
  ▪ Joint projects with three sites

❖ **2.3.5 Continuous Integration & Operations**
  ▪ Cross cutting across ALL 2.3 L3 areas

2.3 Milestones

2.3.4		68	NSF shared T3 in production	Dec 2021	Nov 2021	Completed
2.3		59	Facility completes the first WLCG Data Challenge	Oct 2021	Oct 2021	Completed
2.3		60	Facility completes the first WLCG Tape Challenge	Oct 2021	Oct 2021	Completed
2.3		113	Complete deployment of T1/T2 2022 pledged resources	Apr 2022	Apr 2022	Completed
2.3.4		114	Jupyterhub at BNL AF opened to collaborators through federated ID	May 2022	May 2022	On Schedule
2.3.1		115	Decision about Ceph as primary T1 storage for FY23	Jul 2022	Jul 2022	On Schedule
2.3.4		116	Deployment of Lustre file system for Analysis Facility	Oct 2022	Oct 2022	On Schedule
2.3		117	US facility provides network site monitoring (real-time data IN/OUT of the site) for our Tier-2s and Tier-1	Feb 2023	Feb 2023	On Schedule
2.3		118	Complete deployment of T1/T2 2023 pledged resources	Apr 2023	Apr 2023	On Schedule
2.3		119	Facility completes second WLCG Network Data Challenge	Nov 2023	Nov 2023	On Schedule
2.3.1		120	Old BNL data center decommissioned for compute and disk storage	Jan 2024	Jan 2024	On Schedule
2.3		121	Complete deployment of T1/T2 2024 pledged resources	Apr 2024	Apr 2024	On Schedule

Level 3 areas follow in order

WBS 2.3.2, 2.3.3, 2.3.4, 2.3.5