

SDCC Network Operations Status Report (Dec 9, 2021)

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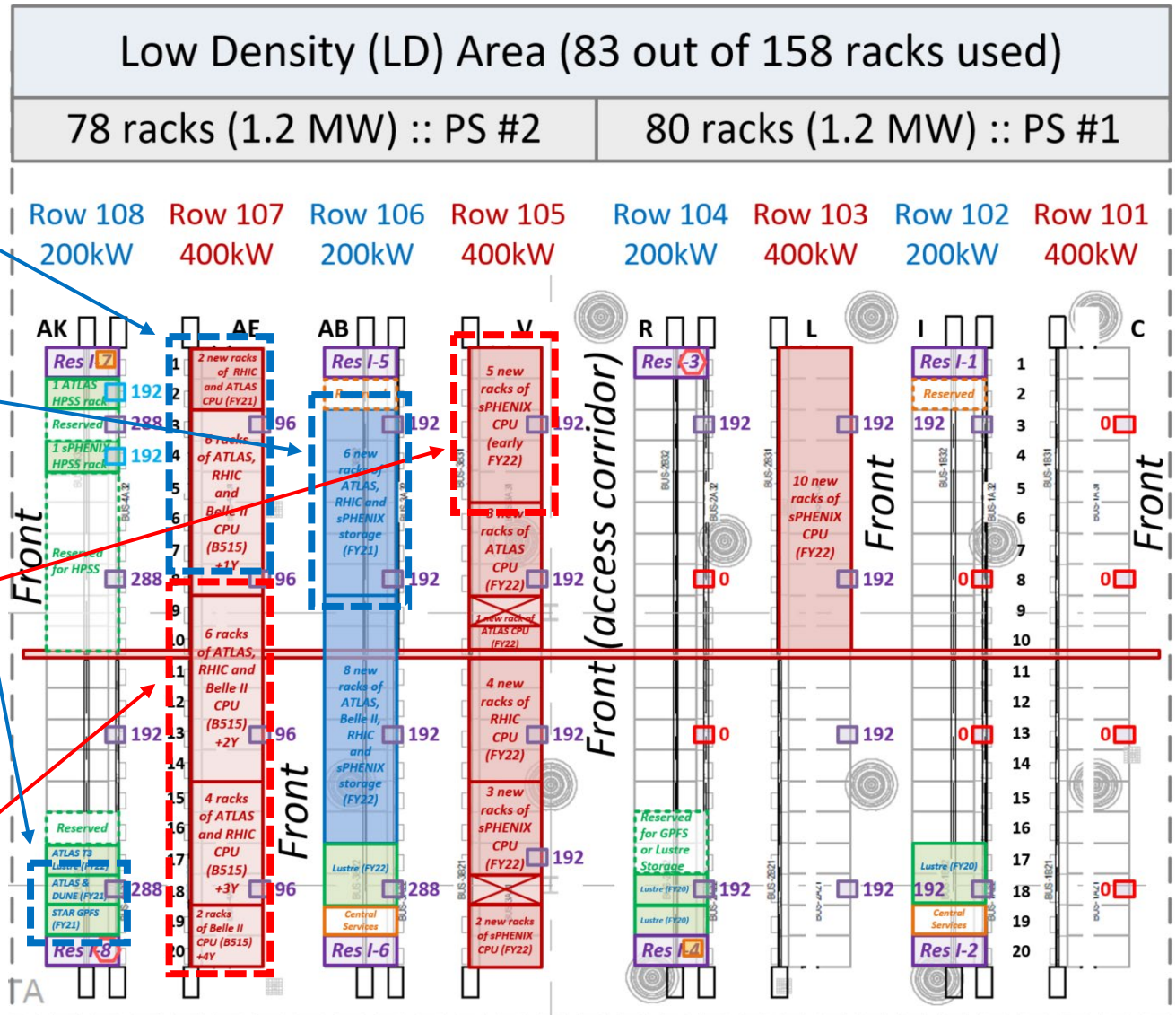
NETOPS Update – Dec 9, 2021

6 CPU racks moved from
CDCE + 2 new CPU racks
(30 nodes per rack, 10G
ToR connectivity) from
the combined FY21
CPU purchase

8 racks of JBOD storage from FY21 purchases (only w/ partial deliveries so far)

5 new CPU racks
of sPHENIX are
on the way (late
FY21 purchase,
30 nodes per rack)

12 more CPU racks
to be moved from
CDCE in 2022Q1



NETOPS Update – Dec 9, 2021

- B725/MDH
 - First 8 CPU racks standing in row 106 (AE): 6 racks moved from CDCE + 2 new racks

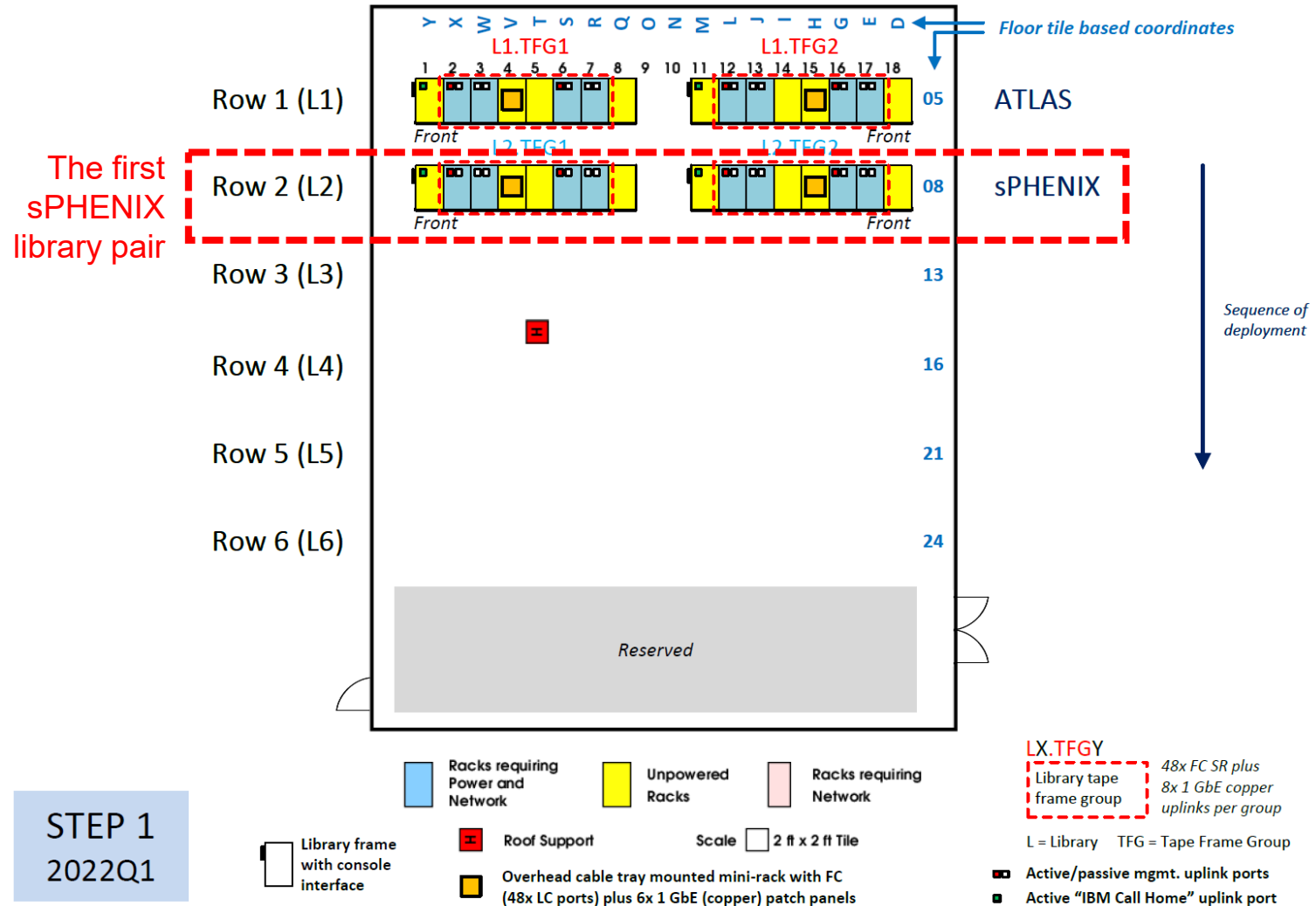


- Rack frame deployment for storage/infrastructure rows 102 (I) and 104 (R) is in progress

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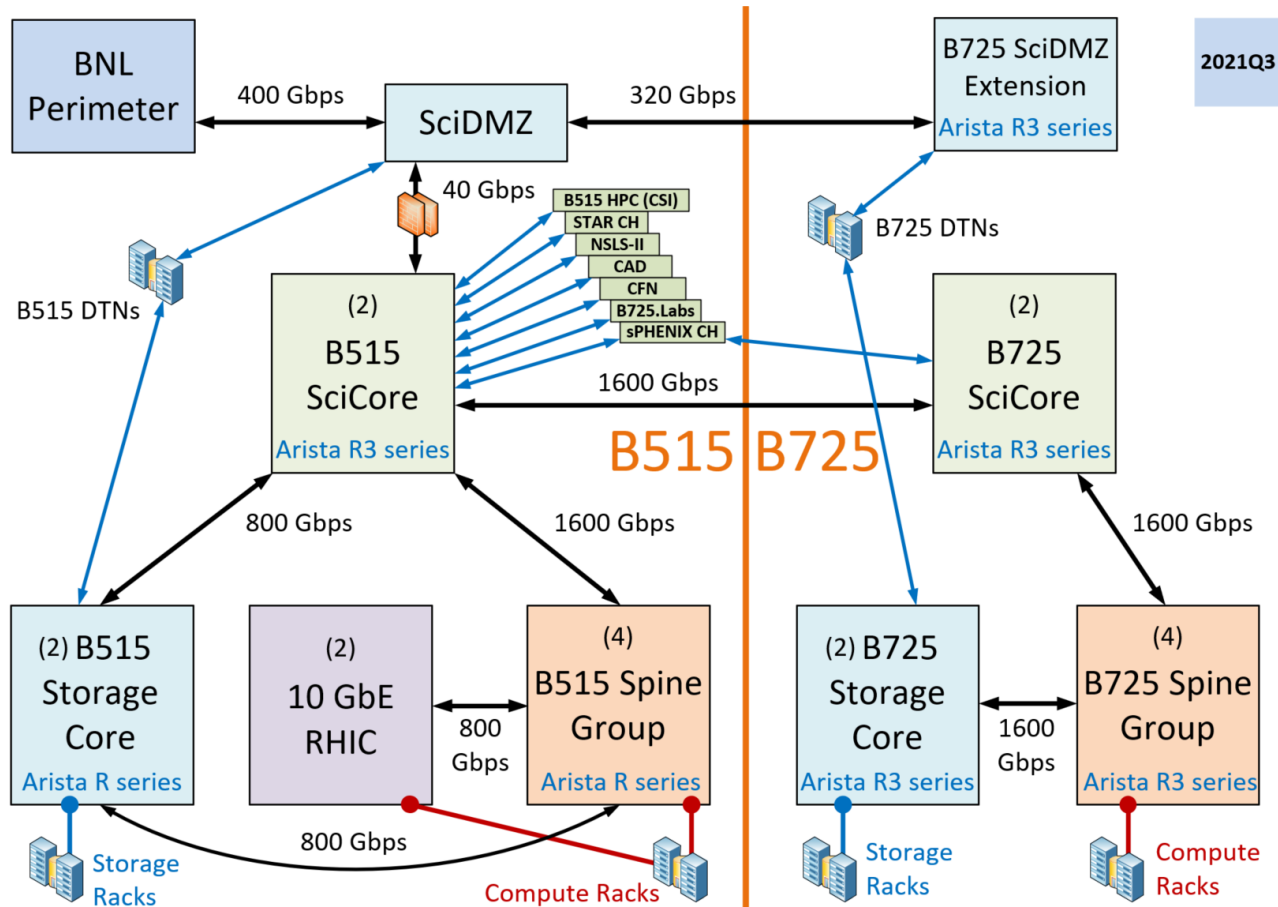
B725 Tape Room

IBM TS4500 Library Complex



NETOPS Update – Dec 9, 2021

- 2-min long site-wide power cut of Dec 3, 2021
 - All central network components of SDCC data center environment are protected by UPS (Flywheel/Diesel in B515 and Battery UPS/Diesel in B725) and none of it was affected
 - The SciZone client edge switches deployed across various buildings on site are typically not UPS protected (due to lack of UPS power availability at their physical locations), so they did go down and automatically recovered upon power being restored, except the STAR CH edge switch that is UPS protected. The edge switches of the sPHENIX CH could be provided with similar protection if needed.



Questions & Comments