

RACF/SDCC Network Operations Status Report (Mar 7, 2019)

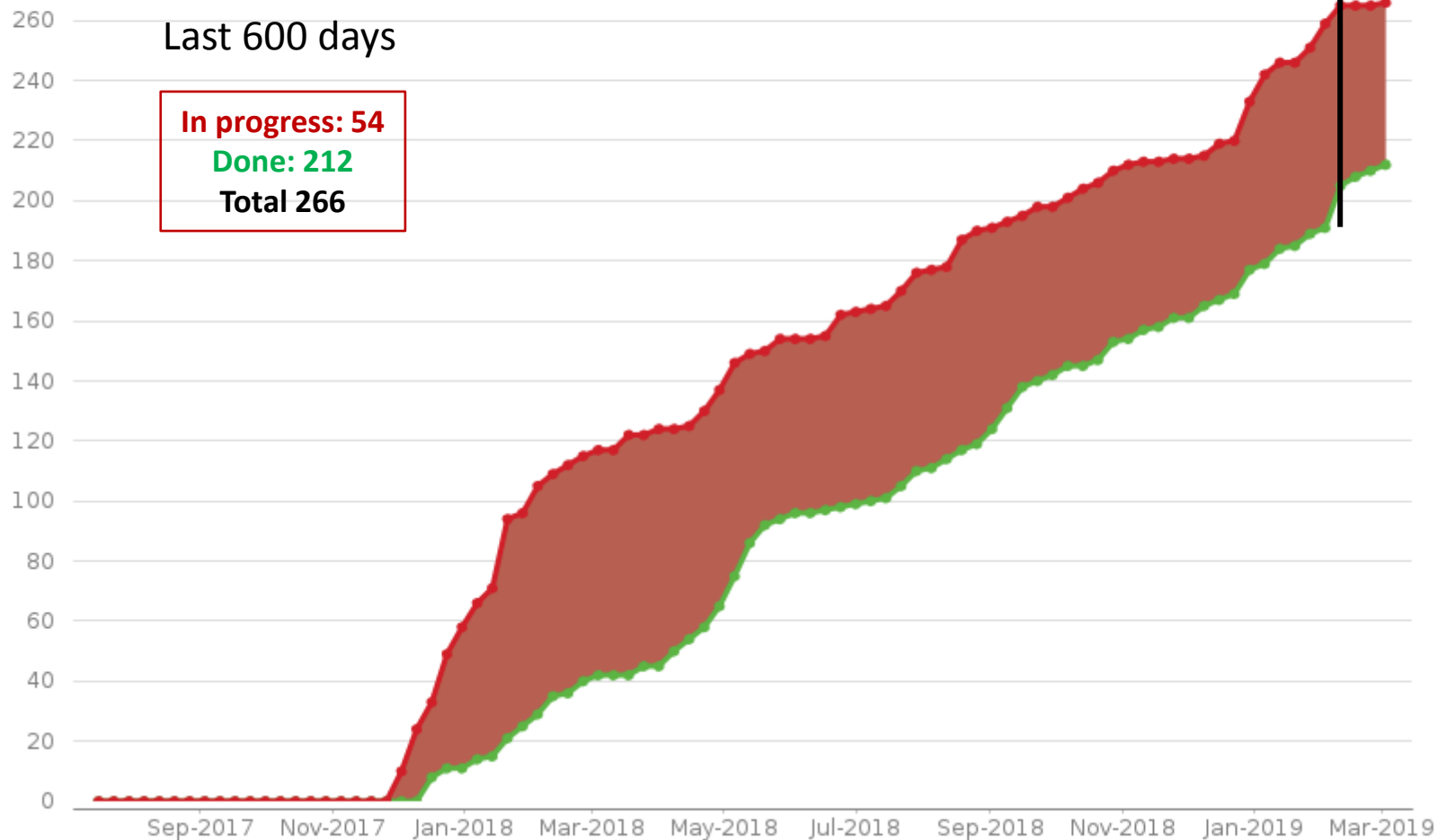
Alexandr ZAYTSEV
alezayt@bnl.gov

Project: Post RHIC Migration BCF & CDCE Cleansing & Service Normalization (2018Q1-2019Q2)

Chart

This chart shows the number of issues **created** vs. the number of issues **resolved** in the last **600** days.

Previous Report

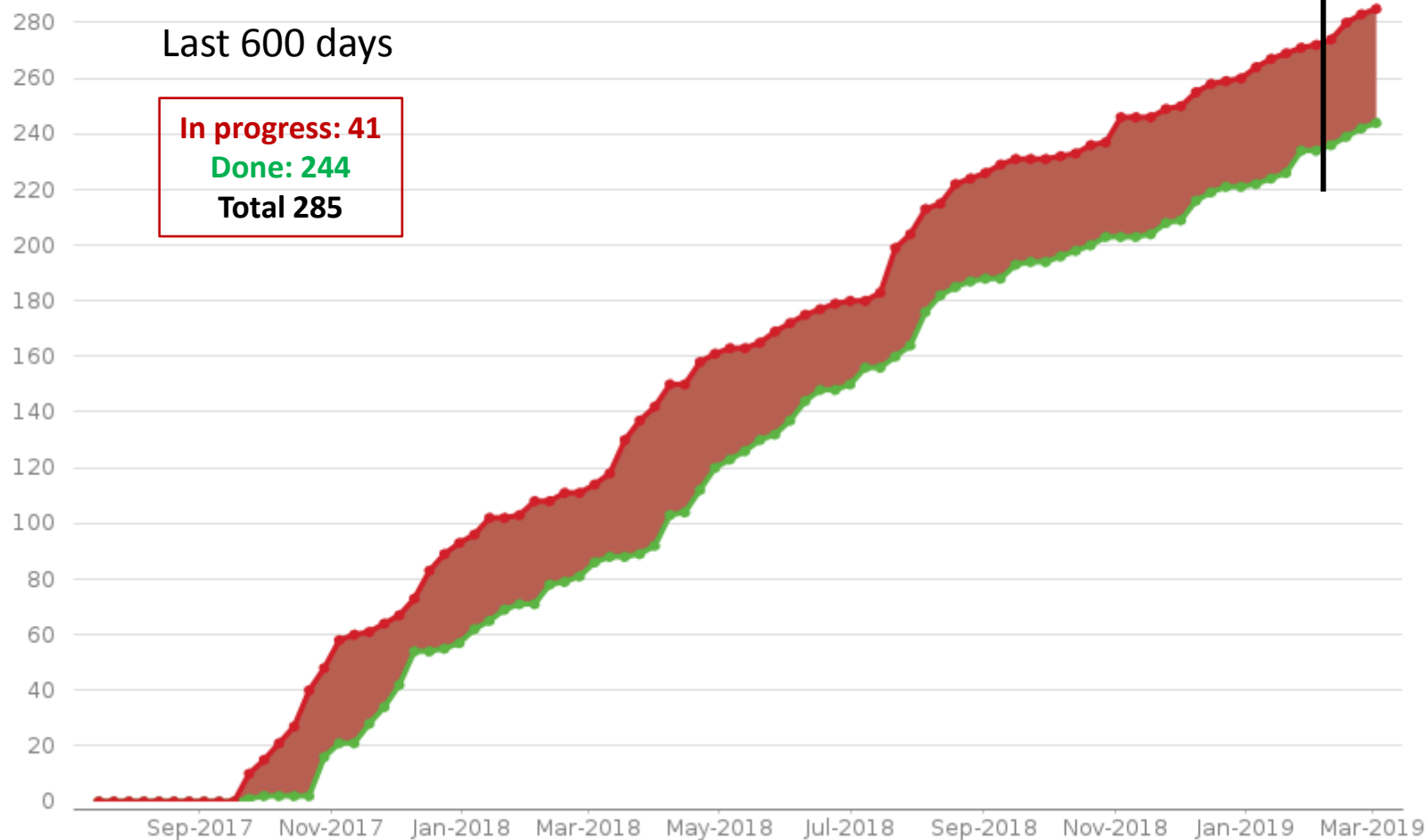


Project: RACF/SDCC Network Operations & Interventions

Chart

Previous Report

This chart shows the number of issues **created** vs. the number of issues **resolved** in the last **600** days.



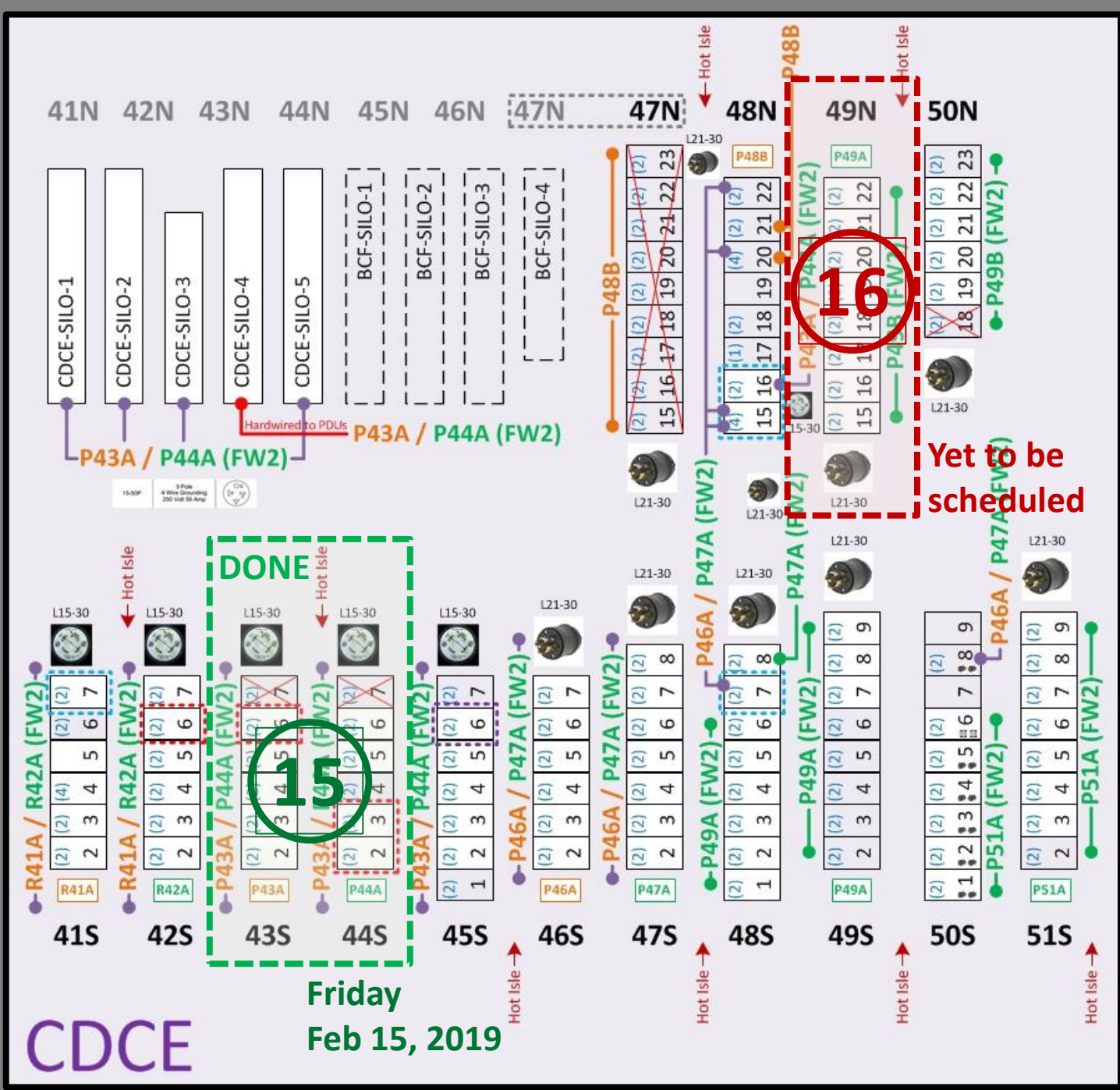
Ongoing/Upcoming Interventions and Equipment Deployment/Retirement Operations

- Usertrust CA blocked by BNL Cyber on Feb 28, 2019
 - Incident affected ATLAS Tier-1 compute and Belle II and ATLAS Tier-1 storage
 - Follow up is in progress; the mechanism is to be proposed to avoid similar occurrences in the future
- SciZone Perimeter Firewall Configuration Cleanup
 - STEP 1 (adjustment of the rules containing IPs/subnets that are no longer in use) is completed successfully, without causing any service disruption
 - STEP 2 will address mostly the ATLAS and RHIC Farm related rules – yet to be negotiated
- New unfirewalled DMZ subnet 198.125.210.0/25 is provisioned for CSI/Test VMs
 - Subnet is RHEV enabled, but not yet Puppet-enabled (conduit request is in progress)
 - Migration of CSI/Test RHEV VMs historically allocated on subnet 198.125.208.0/26 to this new (larger) subnet is pending in order to resolve the subnet 198.125.208.0/26 utilization issue
- BNL Campus Network Core failover test was performed successfully by ITD on Mar 2, 2019
 - Required a short interruption of BNL Campus connectivity, performed with explicit permission of STAR and PHENIX liaisons

Ongoing/Upcoming Interventions and Equipment Deployment/Retirement Operations

- Electrical interventions in the CDCE:
 - [DONE] Friday Feb 15, 2019, starting from 8:00am: non-disruptive power intervention for rows 43S and 44S (12 outlets on one side of the redundantly powered racks) -
 - Power intervention on row 49N (16 outlets of non-redundantly powered racks), yet to be scheduled – hopefully after the interactive nodes functionality is migrated out of row 49N
- 19 racks of legacy RHIC storage being retired are getting ready for removal from the Facility
 - 9 racks in row 22 awaiting removal by the riggers
- New ATLAS Tier-1 storage installation in CDCE (6 racks, 21.6 PB usable in the final config)
 - 24 out of 24 disk arrays are received, 25 out of 25 storage servers are received
 - All disk arrays and storage servers are placed in the racks with contractors help
 - 3 new storage racks out of 6 are being placed in production; the data migration is to be started soon
 - The remaining 3 rack are waiting in the powered down state for the completion of the previous step
 - Old Belle II dCache storage racks are all removed from row 46S and awaiting the riggers pick up
- New Belle II/LQCD HPSS mover system (2 servers + disk array)
 - All components are received, delivered to CDCE and installed in the new rack frame 44-2
 - Rack places 44-[2, 3] are provided with the new rack frames
 - Network uplinks provisioning to rack 44-2 is in progress

Electrical interventions in the CDCE between Monday Jan 14, 2019 and Friday Feb 1, 2019 (grounding work) (Follow-up)



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Questions & Comments