

## Clarification:



### Baseline Services vs SC3/4 vs Production Service

- ↪ There is a lot of confusion over these things:
  - Baseline services:
    - The set of services that LHC experiments require in production for Sep 2006
    - Existing implementations should be tested in SC3
    - All must be available by SC4 for final verification
  - Service challenges:
    - Setup/throughput phase: test and validate new pieces; stress the throughput
    - Service phases: migrate this into *the* production service
  - Production service:
    - Single instance that progressively improves in reliability and performance, and where the baseline services are deployed
  - Pilots - test services (pre-production)
    - Testing, integration, etc.
  - Not all sites participate in SCs - those that do will get middleware distribution updates that will be optional for other sites



## SC ↔ Production

- There should be a single set of middleware distributions (LCG-2.4.x, LCG-2.5.x, etc) -
  - maybe re-branded
  - These will contain the baseline service implementations
- These must be deployed at the Tier1 and participating Tier2 sites
  - Other Tier2s can install, must if join SC exercise
- The service phase of the service challenges will run on the production service at participating sites
- The setup and throughput phases (which may involve destructive or harmful testing) should be separate from the production service
- Preparation for SC4 should not rely on hardware in use in production (i.e. SC3 service phase)



## Which means ...

- In September → December (SC3 service phase)
- Existing (evolved - bug fixes, etc) production service, will gain new services to be used and verified in the service challenge
  - FTS,
  - LFC,
  - Others according to agreed schedules (see below)
- These are new for SC3, would expect them to become “production-quality” by the end of SC3
- Existing production services (e.g. RLS) will not be replaced in SC3, but will exist in parallel - SC3 introduces new services on top of the existing production services
- Still to be specified:
  - A detailed and specific plan, service by service, that sets out when it is expected for each experiment, what the metric for success is (on what timescale)
  - Must be realistic - in terms of what can be achieved and provided
  - Must be agreed between all stakeholders in the PEB