



Validation Workshop

Outline:

- Programme for today
- Where we are:
 - List of tests
 - 13.0.30 post mortem
 - Slices and validation
 - Monitoring test results
- Where we want to go
 - Covering all bases
 - Online integration

Ricardo Gonalo (RHUL)

Higgs WG meeting – 26th September, 2007

Where we are...

List of tests:

- Trigger/TrigValidation/TriggerTest
 - ATN, RTT:
 - Trigger/TrigValidation/TrigAnalysisTest
 - ATN, RTT
 - Trigger/TrigValidation/TrigInDetValidation
 - RTT
 - Trigger/TrigValidation/TrigEgammaValidation
 - RTT
 - Inactive:
 - Trigger/TrigValidation/TrigBjetValidation
 - Trigger/TrigValidation/TrigBphysValidation
 - Trigger/TrigValidation/TrigTauValidation
- We're not in bad shape but there are still lots of holes
 - ATN tests:
 - VAL usually ready by 1pm
 - Bugfix usually at night...
 - RTT tests...next morning

13.0.30 post-mortem

- The release is out and this was less painful than normally (even with much of the menus added at the last minute)
- Thanks everyone! Your validation work has contributed to this! 😊

Some problems

- 13.0.30 now built, but still not the end of the story...
 - Still chasing bugs: two bugs found in configuration which affected Marc-Andre's results shown in the menus workshop
 - More modifications to be included in production caches
 - Minimum bias, jet ETsum, etc added to menus
- Lots of new signatures added after the deadline
 - ... and a few more bugs
 - Necessary due to external constraints (mostly FDR)
- Test results actively used as smoke tests for new problems
 - Summary table extremely useful!
- On the plus side...
 - A pre-13.0.30 nightly was good enough to make it into 13.0.28 with a few days work and use it for the technical run... so we can't be doing that badly 😊

Some things to avoid for next release

- Tests which write ESD/AOD only active very late
- Modern configuration only became default for offline running very late
- No performance tests:
 - Need more tests like TrigEgammaValidation to be actively used
 - Trigger rates are a good way of spotting problems – should be included in validation

Slices and validation

- Validation is a service provided to slice developers: needs more manpower
- Propose to have rota where every slice contributes one person => 1 week of work every 2 months is not too much...
- Global tests becoming more important now that other things are under control

Where do we want to go

- Two aspects:
- Need to cover all remaining holes
 - Do production tests earlier and test all aspects of it (even AOD->TAG if trigger is to be included there)
- Move towards data taking
 - Online integration (Frank starting to work on it)

A project is like a road trip. Some projects are like driving to the store in broad daylight. But most projects worth doing are more like driving a truck off-road, in the mountains, at night.

As a tester, you illuminate the road ahead so the programmers and managers, however they bicker over the map, can at least see where they are, what they're about to run over, and how close they are to the cliff.

C. Kaner, J. Bach, B. Pettichord