



# Online Software Planning

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- To Do List
- Software weeks



# To Do List (1)

## • PPM nMCM

- Transitional support for old MCMs with new firmware
  - M4 to M5
- New COOL database folders and support for new features
  - After M5
- Testing old functionality with new tdaq (zero LUT etc)
  - M4 onwards

## • CPM, JEM

- Test new firmware and associated changes to module services, simulation, timing calibrations and tests
  - M4 (JEM) or M5 (CPM)
- Support for CMX timing procedure
  - M4 onwards



# To Do List (2)

## •CMX

- Implement configuration in module services
  - M4 to M5
  - NB so far CMX module services do rather little
- Test simulation (fairly complete?) and add links to L1Topo
  - M4 to M5
- Timing scans using production CPM/JEM firmware
  - M4 to M5



# To Do List (3)

## •L1Topo

- Implement configuration in module control
  - M5 to M6
  - NB so far L1Topo module services do rather little
- Complete online simulation (readout) and request offline add more algorithms etc
  - M5 to M6
- Any need for timing scans or other special runs?

## •IPbus

- Ensure IPbus is available at all external sites (incl HD)
  - M5: needed for complete L1Calo SW build including L1Topo
    - At the moment the default build does not include IPbus or ATCA modules
  - NB hopefully get common IPbus installation via TDAQ one day...



# To Do List (4)

## •Readout

- ROD simulation of new Glink formats
  - M4 to M5
- Online bytestream decoders
  - M4 to M5

## •Scripts

- Update build scripts (32 and 64 bit builds for point 1)
  - M4

## •Web Monitoring

- Update or redevelop Taylors web pages
  - M7 to 2015



# Future Software Weeks

- Software sessions before/after M weeks
  - Very useful so far (in my opinion anyway)
  - Next one is 30 June - 4 July (week before M4: 7-11 July)
- None defined after that
  - How about:
    - 1-5 September (week before M5: 8-12 Sep)
    - 6-10 October (week before M6: 13-17 Oct)
  - Do we need more in between M weeks?
  - Or move SW weeks to half way between M weeks?
    - More travelling for some people...
- Are these sufficient for testing chains of links?
  - Need SW and FW available on same timescale
  - More planning and coordination...