

# What is still missing, next steps for Integration

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The design team

# Where we are

- Very good models of subsystems and facility
- Layout assembly drawings being organized for installed state
  - Need sign off loop to consortia to establish critical dimensions
- Consortia interface drawings advancing quickly to compliment the ICDs
- Detector mass – APA HV CE/Cables PD/Cables

# Where we want to go

- Continue with updates to integrated model
  - Add cold cables and associated infrastructure
  - Replace trolleys with static connection hardware from TPC to DSS (installation model)
  - More details on AC distribution as it becomes available
  - Latches on FC to APA
- Develop more layout assembly drawings –
  - Roof infrastructure
  - Flange location and height
  - Cable tray locations and cross section
  - Define cable routes and lengths
- Add labeling convention to layout assembly drawings
- Develop flange, rack naming convention

# Points for discussion

- DSS requirements
  - Any objection to the change of a single trolley for moving APAs during installation?
- Installation models and sequence
  - Including installation equipment and lifting devices
  - Survey plans and features needed
  - False floor and support
  - Access equipment
  - Instrumentation installation sequence
- Status/update of interfaces to instrumentation/calibration systems as designs mature













