GLAST Large Area Telescope: GLAST Large Area Telescope

LAT System Engineering

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Topics

• Action Item Status
• Technical Baseline Management
• 3-Month Milestones
### Drawing Release Status/Plans

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<th>Subsystem</th>
<th>Complete Oct-03</th>
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<th>Planned Jan-04</th>
<th>Feb-04</th>
<th>Mar-04</th>
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- First cut at planned release
- The definition of complete has changed again – ready for flight build
Planned Drawing Release

- **Actuals**
- **Planned Total**

**Timeline:**
- Oct-03
- Nov-03
- Jan-04
- Mar-04
- Apr-04
- Jun-04

**Drawing Count:**
- Subsystem Released
Drawing Release Process

• Issue 1
  – We have rolled revision numbers on drawings to facilitate the review process, but have therefore lost traceability
• Resolution 1
  – Do not roll extra revisions between releases
  – When releasing a drawing with a rev that has skipped (e.g. rev 1 to rev 4), put an annotation in the DCN that explains why the revs were skipped
    • For example, “Revs 2 and 3 were unreleased drafts used for the review process”
• Issue 2
  – We need to definitively establish the technical baseline.
• Resolution 2
  – For drawings released for flight build, annotate the DCN as follows:
    • “This release establishes the technical baseline”
  – We’re working on the approach for the drawings that are currently in the system as released
  – Change requests will be required for further revisions
3-Month Milestones

- Update the LAT-MD-00408 LATPVP – October - December
- Support STOP Analysis TIM's - On going
- Complete FMEA – November
- Add ICD requirements to DOORS – Update TBD
- Complete Spacecraft ICD Review – Completed, TBX closure in work
- Close remaining Internal ICD TBX's - October
- Update System Metrics – January
- Complete CIDL update – 30 October – 15 Nov
- Close all open RFAs – October->December
- LAT Thermal Vacuum Test Plan – December (TBR)
- LAT I&T Assembly Sequence – Late December
- Dynamics Plan - December
- LAT Survey Plan – mid January
- LAT Instrumentation Plan – mid January