



# GLAST Large Area Telescope

## LAT Flight Software System Checkout TRR

# Software Quality Assurance

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SQE

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# SQE TRR Assessment

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- **FSW Documentation up to date**
  - **LAT-SS-00399 FSW Requirements Specification**
  - **LAT-TD-00786 FSW Test Plan**
  - **LAT-MD-00104 FSW Management Plan**
- **FSW-related Quality Documentation up to date**
  - **LAT-MD-00091 LAT Quality Manual**
  - **LAT-MD-00472 Corrective & Preventive Action**
- **Test Procedures are complete and in LATDocs, Test Scripts are in CVS and all are under CCB control**
- **Requirements Matrix has been verified for completeness**
- **Participation in FSW CCB and regular auditing of JIRA items verifies that FSW CCB and corrective action processes are being followed per LAT-MD-03082 and LAT-MD-00472**
- **Early SQE Test Procedure Dry Runs with the Test Team provided feedback to streamline successfully execute formal tests**



# SQE Post TRR Activities

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- Track open action items and lien list
- Help to drive items to closure
- Track JIRA Items
- Provide Build verification support
- FQT runs
  - Validate configuration prior to test execution
  - Witness and approve test execution
- Participate in normal FSW CCB activities to support any needed software cycles
- Help prepare final documentation package to include:
  - DID 335; Flight Software Requirements Specification
  - DID 336; Software Test Plan
  - DID 337; Software Test Procedures and Software Test Reports
  - DID 339; Software Management Plan
  - DID 340; Software/Algorithm Design Document
  - Version Description Document
  - Complete Code and Test Script Package
- Prepare archival of Quality Records