

Action Items (AI), Comments (C), Questions (Q)

AI No	Assigned	Due Date	Description
1			<p>Test Files Naming Convention: Proposal: pjjjyyhhmssq.ext Where: p is a prefix string (i.e. "cal_") jjj is the Julian day number yy is the last two digits of year hh is the hour mm is the minute ss is the second q is a suffix string (i.e. "_23C") ext is a descriptive extension (i.e. .ced for cal event data)</p>
2			<p>Instrument/Subsystem State Concept Purpose: Tool for managing instrument/subsystem environment(s) Definition (i.e. state consists of): Identifier (name/id) Schema identifier (may not be detailed enough...may have to go a level lower, i.e. layer masks) Config identifier Setup/init script identifier How to document state permutations if needed (tables?, scripts?) Default States State Transitions How are they implemented (scripts)? How are they documented (script(s) identifier)? State Documentation</p>
3	NRL		<p>Define schema derived mask needs for matrix computations Needed to include/exclude missing/faulty components Ex. Computing optimal CAL Tack delay value</p>
4			<p>Configuration/Setup Issues Generation/Maintenance – XML persistence, user interface via GUI, methods for saving/restoring/executing/documenting Order/Priority – Follow TEM hierarchy...component broadcast then individual components Dataless Commands – How to indicate they should or should not be sent by a configuration</p>
5			<p>Electronic Logbook Issues Test Run DB Entry Class definition</p>
6	NRL		<p>Provide Eduardo with CAL's Trackerless muon selection criteria</p>

- 7 NRL Provide Mike Huffer with required length of TEM 2 GASU and PDU cables for thermal chamber use (in 4 foot lengths?).
- 8 Message Class(es) Issues
 Base Class (common to all subsystems)
 Subsystem specific classes
 Test Specific classes?
 How to link with Test documentation?
- 9 Logger Class Issues
 Server/Client implementation
 for flexibility
 multiple GUI distribution
 performance/efficiency questions
- 10 NRL Provide Command List for FSW
 read, write, execute dataless command (with parameters defined)
 dump
 execute algorithm
 command/algorithm? disposition
- 11 Provide Diagnostic Algorithms to FSW
 Modularize tests.
 Use common algorithms
 Separate collection and processing algorithms so that ground appropriate algorithms can be easily ignored by FSW
- 12 Provide J.J. Russell with appropriate subsystem systematics related to calibration (Feb 03 timeframe?)
 Such as:
 Crosstalk
 Ramp irregularities
 Gain widths if necessary
 Trigger Thresholds
 Calibration frequency
 Anything needed to implement calibration algorithms
- 13 NRL Provide Test Procedure Template for evaluation
 Mil-Std 498 STD-DID (system test description Data Item Description)
 <http://www2.umassd.edu/SWPI/DOD/MIL-STD-498/STD-DID.PDF>
 Preliminary CAL STD
- 14 NRL Provide CAL Test Procedures Documentation (1 month prior to subsystem delivery)
- 15 Test CM issues
 Test version validation
 Extract script(s) from CVS or verify scripts against configured
 Checksum

- Output file tracking
 - Naming convention
 - Archiving scheme
 - Online Directory hierarchy (proposed)
 - LAT
 - CAL
 - Reports
 - Event Collections
 - Logs
 - Configurations
 - Offline Storage
 - FITS/Root?
 - Test Database entry pointers

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- Runtime Executive Issues
 - Provides Test Execution framework (state machine implementation)
 - Test suite concept
 - Test script wrapper of other Test scripts
 - Test scripts run either batch or interactive
 - Test script provides GUI input if necessary for interactive mode
 - Pause/Abort issues
 - Session Concept
 - Session Log
 - Security
 - Progress Window
 - Test Messages (Info, Alarms, etc)
 - Schema/Configuration Manager
 - Could be a visual representation of LAT with colors representing component states
 - ex. CAL green – ok, red – component disabled
 - drill down to find/set component enable/disable

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- Visualization Tool(s)
 - HippoDraw
 - Custom QT/QWT implementations
 - Subsystem visualization renderings (Plots, histograms, single event displays, etc.)