<table>
<thead>
<tr>
<th>No</th>
<th>Assigned</th>
<th>Due Date</th>
<th>Description</th>
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</table>
| 1  | Test Files Naming Convention:  
  Proposal:  pjjyyhhmssq.ext  
  Where:  
  p is a prefix string (i.e. “cal_”)  
  jij 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) |
| 2  | 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 |
| 3  | NRL  
  Define schema derived mask needs for matrix computations  
  Needed to include/exclude missing/faulty components  
  Ex. Computing optimal CAL Tack delay value |
| 4  | 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 |
| 5  | Electronic Logbook Issues  
  Test Run DB Entry Class definition |
| 6  | NRL  
  Provide Eduardo with CAL’s Trackerless muon selection criteria |
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/algorith? 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

16
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

17
Visualization Tool(s)
   HippoDraw
   Custom QT/QWT implementations
   Subsystem visualization renderings (Plots, histograms, single event displays, etc.)