

**Weekly Team Status Meeting Minutes
General Mission Analysis Tool (GMAT)
6 December 2012, 2:30–4:30, B23/E230**

Agenda:

- General discussion
- Major work items
- Action items
- Around the room

Attendees:

Name	Role/Responsibility	Present (✓)
Paul Arnold	SPI Representative	✓
John Bez	Tester	✓
Craig Britton	Infrastructure Task Lead	✓
Deepa Chavali	Infrastructure Task	✓
Steve Cooley	Engineer	✓
Darrel Conway	System Architect	✓
Josh Fisher	Infrastructure Task	
Tom Grubb	Test Lead	✓
Steven Hughes	Product Development Lead	✓
Shawn Hoffman	Tester	✓
Linda Jun	Developer	✓
Tuan Nguyen	Developer	✓
Joel Parker	Engineer	
Rizwan Qureshi	Engineer	✓
Wendy Shoan	Developer	✓

Priority Work Areas:

Topic areas should map directly to current priorities listed [here](#). All work items should derive from the current project goals:

- **Maximize the quality of the production release.**
- **Successfully support MAVEN Nav. IRAD.**

General Discussion:

Minutes By Work Area:

1. Infrastructure: CB
 - Work Completed
 - [CH] 13 Specs migrated to DocBook and compiled.
 - Status/Discussion
 - [CH] FRR-16 Solar System and FRR-9 Thruster contain incomplete sections.
 - Upcoming Deliverables
 - Demo the current status of Confluence Wiki to the GMAT team. (12/6/12)
 - Decisions
 - Update the Reference Doc column for the FRC and FRR docs with an M indicating what docs we've successfully migrated to DocBook format.
 - Provide the GMAT team a view only public access to the wiki.
2. GUI QA: Owners [TGG, SJH, JMB]
 - Work Completed
 - [JMB] Ran GUI Mission Test for Build 11/30
 - [JMB] Wrote Output Tree Spec
 - [JMB] Wrote Bug 3331, Verified/Closed Bugs 3294, 3295, 3296, 2848, 2754, 2515, 2608, 2301, and 2302
 - [SJH] Finalized the following projects
 - Propagate command
 - Ephemeris Propagator
 - Ephemeris File
 - SC Visualization properties
 - Calculation Parameters (created and finalized)
 - Resource Tree (created and finalized, need to create doc)
 - [TGG] GUI Regression Test, 87%
 - [TGG] Updated GATS with extra bug tracking support in statistics
 - [TGG] Mission Tree Test Project not worth using until Filter bug is fixed
 - Status/Discussion
 -
 - Upcoming Deliverables
 - [SJH] Waiting for SC Attitude panel to be changed before finalizing project

- [SJH] Waiting on GMT-3345 before finalizing Matlab function and function call projects
 - [SJH] Create and finalize Script Editor project
 - Decisions
 -
3. Base QA: Owners [SPH, JJKP, RQ, DSC]
- Work Completed
 - [RQ] Addressed Linda's comments that she provided on S/C Visualization and MarkPoint. Verified/Closed GMT-2489. Created new EphemerisFile bug GMT-3355 (not enough raw data is generated but ephemerisfile still generates ephemeris at requested interpolation order)
 - Status/Discussion
 - [RQ]: Was out on SL from Monday to Wednesday. Never again I am taking a flu shot...
 - [DSC] Closing bugs as they are assigned to me. Currently, all bugs assigned to me, that can be closed, are closed.
 - [DSC] Added one regression test for GMT-1426. Need to add one more.
 - Upcoming Deliverables
 - [RQ]: Writing Stress Tests for all 5 subscribers based on Stress Tests Layout that SPH provided me.
 - [RQ]: Addressing SPH's comments on EphemerisFile specs doc.
 - Decisions
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4. Developer QA [DJC, LOJ, WCS, TGG]
- Work Completed
 - [WCS] GMT-3260 J2000BodyName needs to be deprecated on spacecraft
 - [WCS] GMT-3230 Deprecate ImpulsiveBurn V/N/B parameters
 - [WCS] GMT-2724 FRR-7 Spacecraft Attitude Code QA
 - [WCS] GMT-3288 Coordinate System OverrideOriginInterval Should not Be Settable
 - [WCS] GMT-3170 Old fields on CoordinateSystem need to be deprecated
 - [WCS] GMT-3317 SPK attitude propagation takes 30 seconds of processor time for 2 hours of attitude propagation
 - [WCS] GMT-3347 For loop allows 0 for increment
 - [WCS] GMT-3248 Suspicious MA calculations for hyperbolic orbit
 - [DJC] GMT-3301 "FromSpacecraft" not available in SPK Propagator GUI
 - [DJC] GMT-3349 Resetting PointMasses on propagator appends instead of overwrite
 - [DJC] GMT-3297 Time based stopping conditions that can never be met confuse dev. team and users

- [LOJ] GMT-3298 P0 Bug! Field value set in MissionSequence occurs during initialization
 - [LOJ] GMT-3304 Report command ReportFile field does not display available reports
 - [LOJ] GMT-3305 Report Command Dialog Loses User Data
 - [LOJ] GMT-3285 Out-of-range error when loading script
 - [LOJ] GMT-2747 FRC-19 Assignment Command Code QA
 - [LOJ] GMT-3291 User allowed to add multiple minimize commands to Optimize command
 - [TGG] GMT-3323 Visual issues with CallMatlabFunction panel - FIXED
 - [TGG] GMT-3202 SolarSystem planetary bodies accept -0 for flattening - FIXED
 - [TGG] GMT-2839 Switch GUI to point to local help - Updated GmatDialog to conform to GmatPanel
 - [TGG] GMT-3348 GroundtrackPlot panel accepts invalid input for Number of Points to Redraw and TextureMap - FIXED
 - In Progress
 - [WCS] 3344 Orbit Designer Code QA
 - [WCS] GMT-3229 Cartesian parameters don't change after setting Spacecraft epoch
 - [DJC] GMT-3335 Multiple issues with trailing whitespace in script language
 - [DJC] GMT-3334 Multiple issues with line continuations
 - [DJC] GMT-1426 Vary command validation issues
 - [LOJ] GMT-2901 Filter MissionTree buttons do not filter the correct commands
 - [LOJ] EphemerisFile Spec Doc review
 - [TGG] Creating GMAT Panels Tutorial - IN PROGRESS
 - Status/Discussion
 -
 - Upcoming Deliverables
 -
 - Decisions
 -
5. Navigation Development (MAVEN IRAD)
- Work Completed
 - [TDN] GMAT-3226. Write code to make Earth's rotation data source combo box active; add "IAU2006" option to rotation data source; make changes in GmatGlobal, CoordinateSystem, Moderator, CelestialBody, FileManagerment, PropagationConfigPanel, and CelestialBodyOrientation for adding IAU2006 eop file.
 - Status/Discussion
 - [DSC] Performed GMAT vs. ODTK comparisons/debug for USN 2-way

range data simulations. Use of a different EOP file for ODTK helped improve the comparison results. Still about 2 meters off.

- Upcoming Deliverables
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- Decisions
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- 6. Attitude Development
 - Work Completed
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 - Status/Discussion
 -
 - Upcoming Deliverables
 -
 - Decisions
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- 7. Process/Other/Miscellany
 - Work Completed
 -
 - Status/Discussion
 -
 - Upcoming Deliverables
 - [DJC] Updating the plugin walkthrough for final delivery so it can be incorporated in the new Wiki; expect to be done 12/10
 - Decisions
- 8. Travel & Leave
 - Before next meeting:
 - [SJH] Out tomorrow (getting wisdom teeth taken out)
 - Upcoming:
 - [WCS] 12/24 - 12/28
 - [JJKP] all of December (maybe except week of 12/17??)
 - [TGG] 12/18-1/7
 - [DJC] Possible jury duty week of Dec 10, out 12/18-12/25 (likely working some anyway then, just because.)

Action Item Review:

Action items are tracked in [JIRA](#).

Historic action items are stored in the [action item list](#) on Google Docs.

Other Business:

None.