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Surveillance Report**



IDENTIFICATION		
<b>Submitted By:</b> Brient, Robert D.	<b>Date:</b> 24-MAR-09	<b>Report Number:</b> 2009-SR-0063
<b>Division:</b> 20 - GEOSCIENCES & ENGINEERING 01.03: QA		<b>Project Number:</b> 14002.01.021
<b>Quality Program:</b> GED (20) QAM		
<b>Associated Report:</b> N/A		
<b>Surveillance Scope:</b> Review of Current Software Development and Modification Activities		
<b>References:</b> TOP-018		
<b>Starting Date:</b> 24-MAR-09		<b>Ending Date:</b> 24-MAR-09
<b>Person(s) Conducting Test/Exam/Procedure:</b> Alan Morris, Scott Painter, James Mancillas		
<b>Satisfactory Findings:</b>  Current GED software development activities include:  3D Stress: The code is being rewritten with significant updates, including integral tests. The extent of the changes will likely require revision to the current software requirements description and report dated August 2005.  MARSFLO: This new software is being developed under project 20.12443 and is being documented in scientific notebook 857E. Development is nearly complete and a software requirements description and development plan are planned for the near future so that TOP-018 control can be established.  TDRW Version 2.1 - A User's Manual was recently issued along with version 2.1 release. This incremental release was based on a Software Change Report involving limited changes to support a project for AIST.  MARFA - A new version 3.3 beta involving extensive changes is being prepared. Scientific notebook 887 documents the development activities. After the algorithms are refined and set, revisions to the existing software requirements description and software development plan, both dated March 2006, are likely to be necessary.		
<b>Unsatisfactory Findings:</b>  none		
<b>Recommendations/Actions:</b>  none		
<b>Equipment Calibration:</b>  not applicable		
<b>SwRI cc:</b> Ferrill, David A. (20), Lenhard, Robert J (20), Mancillas, James W (20), Morris, Alan P (20), Painter, Scott L (20), Sagar, Budhi (20), Walter, Gary R (20), Wittmeyer, Gordon W. (20)		
APPROVALS		
<b>Management Approval:</b> Brient, Robert D.		<b>Date:</b> 24-MAR-09
<b>QA Approval:</b> Brient, Robert D.		<b>Date:</b> 24-MAR-09

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