



**Southwest Research Institute®
Surveillance Report**



| IDENTIFICATION | | |
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| Submitted By: Brient, Robert D. | Date: 10-MAR-08 | Report Number: 2008-SR-0078 |
| Division: 20 – GEOSCIENCES & ENGINEERING 01.03: QA | | Project Number: 14002.01.021 |
| Quality Program: GED (20) QAM | | |
| Associated Report: N/A | | |
| Surveillance Scope: Software development and maintenance activities: BDOSE development and TPA maintenance | | |
| References: TOP-018 | | |
| Starting Date: 06-MAR-08 | | Ending Date: 10-MAR-08 |
| Person(s) Conducting Test/Exam/Procedure: A. Simpkins, R. Janetzke | | |
| Satisfactory Findings: 1. The planned scope of the surveillance included xFLO validation and release activities. However, Operations Plans revisions of March 2008 resulted in this task being unfunded; therefore no xFLO surveillance is necessary. 2. BDOSE upgrades: Under project 14003.01.006, upgrades to BDOSE version 1.1 are planned with delivery scheduled for 6/30/2008. The updates are primarily with the code structure and do not require revision to the software requirements description or development plan. The changes will be planned, executed, and tested using software change requests (SCRs). Currently, two SCRs have been initiated, but testing has not been completed. BDOSE development is scheduled for audit in April 2008. 3. The planned scope of surveillance also included maintenance activities for TPA version 5.1b, released 11/15/2007. TPA users may identify errors requiring changes or other action, which falls under the category of software maintenance. Discussions with the PI for TPA revealed that no problems have been identified since release of version 5.1b. TPA has had relatively little use recently; most affected staff are becoming familiar with DOE's GOLDSIM-based Total Performance Assessment software. | | |
| Unsatisfactory Findings: None | | |
| Recommendations/Actions: None | | |
| Equipment Calibration: N/A | | |
| SwRI cc: Janetzke, Ronald W. (20), Lenhard, Robert J (20), Mancillas, James W (20), Mohanty, Sitakanta (20), Padilla, Maria J. (20), Painter, Scott L (20), Patrick, Wesley C. (20), Sagar, Budhi (20), Simpkins, Ali A (20), Simpson, Michael T (20), Turner, David R. (20), Winterle, James R. (20), Wittmeyer, Gordon W. (20) | | |
| APPROVALS | | |
| Management Approval: Brient, Robert D. | | Date: 10-MAR-08 |
| QA Approval: Brient, Robert D. | | Date: 10-MAR-08 |
| Comments: None | | |