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| **1.0 SWDS Purpose, Authority and applicability** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.1 Introduction: | | The purpose of this software data sheet (SWDS) is to provide the software-specific, software quality management implementing details for the subject software in accordance with [STD-342-100](http://engstandards.lanl.gov/), *LANL Engineering Standards Manual,* [*Chapter 21*](http://engstandards.lanl.gov/ESM_Chapters.shtml#esm21) *– Software* (hereafter *Chapter 21*). Use of [*Chapter 21*](http://engstandards.lanl.gov/ESM_Chapters.shtml#esm21), this SWDS and the documents referenced therein, provide reasonable assurance that the software will consistently, compliantly and efficiently satisfy its intended use.  This SWDS is issued under the authority of the software owner responsible line manager (SRLM). The SRLM is responsible for managing and maintaining this document in accordance with [*Chapter 21*](http://engstandards.lanl.gov/ESM_Chapters.shtml#esm21). This document applies to LANL employees, and as specified in subcontracts, subcontractors. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.2 Software Name: | | | | |  | | | | | | | | | | | | | | | | | 1.3 SWID No.: | | | | | | | | |  | |
| 1.4 TA Number(s): | | | | |  | | 1.5 Facility Number(s): | | | | | | |  | | | | | | | | 1.6 Facility Name(s): | | | |  | | | | | | |
| 1.7 Software Description: | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.8 Software Need: | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.9 SSC Software/Non-SSC Software: | | | | | | | | SSC  Non-SSC | | | | | | | | | | | 1.10 Equipment ID: | | | | | | | | | |  | | | |
| 1.11 Highest Management Level (ML) Associated with the Software: | | | | | | | | ML-1  ML-2  ML-3  ML-4 | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.12 Software Designation: | | | | | | | | Select from drop down menu | | | | | | | | | | | | | | | | | | | | | | | | |
| **2.0 Roles and DOCUMENT approvals** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.1 The names of those filling roles at the time this SWDS was generated are indicated below. This SWDS was developed **(D)** by the SO and reviewed and approved **(R, A)** by the SRLM (and others if indicated below). See the Engineering Services Division Office (ES-DO) software inventory for any subsequent name changes to key roles. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.2  Name (Last, First): | | | 2.3 Z Number: | | | | 2.4 Role: | | | | | | | | | | | | | | | | | | | | | | | 2.5 SWDS Approval and Approval Date: | | |
| SO (**D**) | | | SRLM (**R, A**) | SD | | SD RLM | | | SU | | SU RLM | | FDAR or DA | | | Independent Design V&V | Other | Other | | | | |
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| 2.6 Role Comments/Clarifications: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| **3.0 REQUIREMENTS** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3.1 Software Requirements, Limitations and Hierarchy (See SWBL for latest revisions):: | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | |
| 3.2 Key Planning Assumptions/Constraints: | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | |
| **4.0 SCOPE/DELIVERABLES** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.1 Deliverables: | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | |
| **5.0 acquisition/Design Strategy** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5.1 Acquisition/Design Strategy: | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | |
| **6.0 SOFTWARE PROJECT MANAGEMENT (PM)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6.1 Rough Estimate of Software Project Cost, K$ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fiscal Year (FY): | | | | | | | | | | | | | | | | | | | | | | | | | | | Total, K$ (5 FY): | | | | |
| Current FY (FY1) | | | | FY2 | | | FY3 | | | | | | | | FY4 | | | | | | FY5 | | | | | |
|  | | | |  | | |  | | | | | | | |  | | | | | |  | | | | | |  | | | | |
| 6.2 Other PM Considerations: | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | |
| **7.0 Use and Maintenance** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Use and maintain software in accordance with the requirements and limitations in Section 3.0 and the following: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7.1 Software User/Administrator Authorization Process: | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | |
| 7.2 Authorized Software User Requirements: | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | |
| 7.3 Authorized Administrator Requirements: | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | |
| 7.4 Software Risk Register Required? | | | | | | | Yes | | | | | No | | | | | 7.5 Risk Register Minimum Review/Frequency: | | | | | | | | | | |  | | | |
| 7.6 Minimum Assessment Frequency & Method(s): | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | |
| 7.7 In-Use Testing Required? | | | | | | | Yes | | | | | No | | | | | 7.8 Minimum In-Use Test Frequency & Method(s): | | | | | | | | | | |  | | | |
| 7.9 Problem Reporting and Corrective Action (PR&CA) | | | | | | | P330-6, *Nonconformance Reporting* and/or P322-4, *Laboratory Performance Feedback and Improvement Process* | | | | | | | | | | | | | | | | | | | | | | | | |
| Other (Describe): \_\_\_\_\_ | | | | | | | | | | | | | | | | | | | | | | | | |
| 7.10 Other | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | |
| **8.0 ATTACHMENT lIST** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8.1 Attachment No. | | | | | | 8.2 Attachment Title | | | | | | | | | | | | | | | | | | | | | | | | | |
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| **9.0 SWDS Revision History** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9.1 Revision | 9.2 Revision Date | | | | | | | | 9.3 Revision Description and Reason for Revision | | | | | | | | | | | | | | | | | | | | | | |
| 0 | Click here to enter a date. | | | | | | | | Initial issue | | | | | | | | | | | | | | | | | | | | | | |
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