Safety Assessment Report

For

**[Enter Project Name here]**

**Source Document**

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| **Issue** | **Description** | **Date** |
|  | Original | 8 October 2013  |
| Revision A | Added Appendix A which includes ……. | 4 January 2014 |
| Revision B | Revised Table 2.3 to correct errors | 13 February 2014 |
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1. Introduction. **[Enter a brief description here.]**

2. System Description.

a. The purpose and intended use of the system is **[Enter as desired.]**

b. A brief historical summary of system development. **[Enter as desired.]**

c. A brief description of the system and its components.

d. As applicable, a description of any other system(s) which will be tested or operated in combination with this system.

e. As applicable, photos, charts, flow/functional diagrams, sketches, and/or schematics to support the system description, test, or operation(s).

3. System Operations.

a. A description or reference of the procedures for operating, testing and maintaining the system. Discuss the safety design features and controls incorporated into the system as they relate to the operating procedures.

**[Enter or reference your Test and/or Work Plans here.]**

b. A description of any special safety procedures needed to assure safe operations, test and maintenance, including emergency procedures.

**[Enter or reference your Job Safety Analyses summary report(s) here.]**

c. A description of anticipated operating environments, and any specific skills required for safe operation, test, maintenance, transportation or disposal.

**[Enter or reference extracts or summaries from the Safety Data Sheet (SDS) and Training data regarding environments.]**

d. A description of any special facility requirements or personal equipment to support the system. **[Enter or reference the SDS and Training data regarding Personal Protective Equipment (PPE).]**

4. Systems Safety Engineering.

a. A summary or reference of the safety criteria and methodology used to classify and rank hazardous conditions.

b. A description of, or reference to, the analyses and tests performed to identify hazardous conditions inherent in the system.

(1) A list of all hazards by subsystem or major component level that have been identified and considered from the inception of the program in an appendix to this SAR.

**[The HazLog summary report can be used for information here.]**

(a) A discussion of the hazards and the actions that have been taken to eliminate or control these items.

(b) A discussion of the effects of these controls on the probability of occurrence and severity level of the potential mishaps.

(c) A discussion of the residual risks that remain after the controls are applied or for which no controls could be applied.

(2) A discussion of or reference to the results of tests conducted to validate safety criteria requirements and analyses.

**[Enter a reference to Work Plans or Test Plans here, along with a discussion of results.]**

5. Conclusions and Recommendations. This section shall include:

a. A short assessment of the results of the safety program efforts. A list of all significant hazards along with specific safety recommendations or precautions required to ensure the safety of personnel and property. The list of hazards will be categorized as to whether or not they may be expected under normal or abnormal operating conditions.

b. For all hazardous materials generated by or used in the system, the following information shall be included.

**[Information for this can be obtained from the Programmatic Environmental, Safety, and Health Evaluation (PESHE).]**

(1) Materiel identification as to type, quantity, and potential hazards.

(2) Safety precautions and procedures necessary during use, storage, transportation, and disposal.

**[Refer to the SDS and PESHE ‘Precautions’ information and create a simple columnar report for them, with headings such as: PPE: Ventilation: NFPA Class: Disposal Process: Handling and Storage: Other:]**

(3) A copy of the Safety Data Sheet (or DD Form 1813) as required.

c. A statement that the system does not contain or generate hazardous materials (i.e., explosive, toxic, radioactive, carcinogenic, etc.).

**[The [system] does not contain or generate hazardous materials.]**

d. A statement signed by the contractor system safety manager and the program manager stating that all identified hazards have been eliminated or controlled and that the system is ready to test, operate, or proceed to the next acquisition phase. In addition, include recommendations applicable to the safe interface of this system with the other system(s).

**[Enter a statement, such as: All identified hazards have been eliminated or controlled.
The [Project] System is considered to be ready to test / operate / proceed to the [next] acquisition phase.]**

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System Safety Manager Program Manager

Date: **[Insert]**

6. References:

1. a.**[enter]**
2. b**.[enter]**
3. c**.[enter]**