**Safety Assessment Report (SAR) Audit Assessment**

Report For \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Address: State: Zip:

Facility Phone Number: ( ) Facility Fax#: ( )

Submitter: Email:

Program Manager: Email:

Audit Performed by:   
Date (dd/mm/year):

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| **DATA ITEM DESCRIPTION (DID) FACTORS**  **DI-SAFT-80102B (dated 950731)** | | | | | |
| **T.R.#** | **Introduction section** | **Answer** | | | **Notes** |
| 1.1 | Does the SAR state in a narrative form the purpose of the SAR?  (para 10.2.1) | Yes | No | N/A |  |
| **T.R.#** | **System description section** | **Answer** | | | **Notes** |
| 2.1 | Is there a section which provides a description of the system? References to technical manuals, system safety program plan, system specifications can be used.  (para10.2.2) | Yes | No | N/A |  |
| 2.2 | Does the system description section include the purpose of the system?  (para10.2.2(a)) | Yes | No | N/A |  |
| 2.3 | Does the system description section include a brief historical summary of the system’s development? (para 10.2.2(b)) | Yes | No | N/A |  |
| 2.4 | Does the system description section include a brief description of the system and its components? (para 10.2.2(c)) | Yes | No | N/A |  |
| 2.5 | Does the system description section include the name of the system? (para 10.2.2(c)) | Yes | No | N/A |  |
| 2.6 | Does the system description section name/identify the type of system?  (para 10.2.2(c)) | Yes | No | N/A |  |
| 2.7 | Does the system description section name/identify the model number of system?  (para 10.2.2(c)) | Yes | No | N/A |  |

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| **T.R.#** | **System description section cont’d** | **Answer** | | | **Notes** |
| 2.8 | Does the system description section provide the general physical characteristics of the overall system? (para 10.2.2(c)) | Yes | No | N/A |  |
| 2.9 | Does the system description section provide the general physical characteristics of the overall system? (para 10.2.2(c)) | Yes | No | N/A |  |
| 2.10 | Does the system description section identify the major subsystems? (para 10.2.2(c)) | Yes | No | N/A |  |
| 2.11 | Does the system description section identify the components used in the overall system? (para 10.2.2(c)) | Yes | No | N/A |  |
| 2.12 | Is there a description of any other system(s) which will be tested in combination with the system which is the topic of the SAR?  (para 10.2.2(d)) | Yes | No | N/A |  |
| 2.13 | Is there a description of any other system(s) which will be operated in combination with the system which is the topic of the SAR?  (para 10.2.2(d)) | Yes | No | N/A |  |
| 2.14 | Have photos, charts, flow/functional diagrams, sketches, and/or schematics been included to support the system description, test, or operation? (para 10.2.2(e)) | Yes | No | N/A |  |
| **T.R.#** | **System operations section** | **Answer** | | | **Notes** |
| 3.1 | Is there a description or reference of the procedures for operating the system?  (para 10.2.3(a)) | Yes | No | N/A |  |
| 3.2 | Is there a description or reference of the procedures for testing the system?  (para 10.2.3(a)) | Yes | No | N/A |  |
| 3.3 | Is there a description or reference of the procedures for maintaining the system? (para 10.2.3(a)) | Yes | No | N/A |  |
| 3.4 | Is there a description of any special safety procedures needed to assure safe operations? (para 10.2.3(b)) | Yes | No | N/A |  |
| 3.5 | Is there a description of any special safety procedures needed to assure safe operations? (para 10.2.3(b)) | Yes | No | N/A |  |
| 3.6 | Is there a description of any special safety procedures needed to assure safe test procedures? (para 10.2.3(b)) | Yes | No | N/A |  |
| 3.7 | Is there a description of any special safety procedures needed to assure safe maintenance procedures? | Yes | No | N/A |  |
| 3.8 | Is there a description of any special safety procedures needed to assure safe emergency procedures? (para 10.2.3(b)) | Yes | No | N/A |  |
| 3.9 | Is there a description of the anticipated operating environment? (para 10.2.3(c)) | Yes | No | N/A |  |

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| **T.R.#** | **System operations section cont’d** | **Answer** | | | **Notes** |
| 3.10 | Is there a description of the any specific skills required for safe operation?  (para 10.2.3(c)) | Yes | No | N/A |  |
| 3.11 | Is there a description of the any specific skills required for testing? (para 10.2.3(c)) | Yes | No | N/A |  |
| 3.12 | Is there a description of the any specific skills required for maintenance?  (para 10.2.3(c)) | Yes | No | N/A |  |
| 3.13 | Is there a description of the any specific skills required for transportation?  (para 10.2.3(c)) | Yes | No | N/A |  |
| 3.14 | Is there a description of the any specific skills required for disposal?  (para 10.2.3(c)) | Yes | No | N/A |  |
| 3.15 | Is there a description of the any special facility requirements to support the system?  (para 10.2.3(d)) | Yes | No | N/A |  |
| 3.16 | Is there a description of the any special personal equipment to support the system?  (para 10.2.3(d)) | Yes | No | N/A |  |
| **T.R.#** | **Systems safety engineering section** | **Answer** | | | **Notes** |
| 4.1 | Is there a summary or reference of the safety criteria and methodology used to classify and rank hazardous conditions? (para 10.2.4(a)) | Yes | No | N/A |  |
| 4.2 | Is there a description of or reference to the analysis and tests performed to identify hazardous conditions inherent in the system? (para 10.2.4(b)) | Yes | No | N/A |  |
| 4.3 | Is there 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 the SAR? (para 10.2.4(b)(1)) | Yes | No | N/A |  |
| 4.4 | Is there a discussion of the hazards and actions taken to eliminate or control these items?  (para 10.2.4(b)(1)(a)) | Yes | No | N/A |  |
| 4.5 | Is there a discussion of the effects of these controls on the probability of occurrence and severity level of the potential mishaps?  (para 10.2.4(b)(1)(b)) | Yes | No | N/A |  |
| 4.6 | Is there a discussion of the residual risks that remain after the controls are applied or for which no controls could be applied?  (para 10.2.4(b)(1)(c)) | Yes | No | N/A |  |
| 4.7 | Is there a discussion or reference to the results of tests conducted to validate safety criteria requirements and analysis?  (para 10.2.4(b)(2)) | Yes | No | N/A |  |
| **T.R.#** | **Conclusions and recommendations section** | **Answer** | | | **Notes** |
| 5.1 | Is there a short assessment of the results of the safety program efforts? (para 10.2.5(a)) | Yes | No | N/A |  |

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| **T.R.#** | **Conclusions and recommendations section cont’d** | **Answer** | | | **Notes** |
| 5.2 | Is there a list of all significant hazards?  (para 10.2.5(a)) | Yes | No | N/A |  |
| 5.3 | Is there a list of specific safety recommendations and precautions required to ensure the safety of personnel and/or property? (para 10.2.5(a)) | Yes | No | N/A |  |
| 5.4 | Is the list of hazards categorized as to whether or not they may be expected under normal or abnormal operating conditions? (para 10.2.5(a)) | Yes | No | N/A |  |
| 5.5 | Is the materiel identification provided as to type for all hazardous materials generated by the system? (para 10.2.5(b)(1)) | Yes | No | N/A |  |
| 5.6 | Is the materiel identification provided as to quantity for all hazardous materials generated by the system? (para 10.2.5(b)(1)) | Yes | No | N/A |  |
| 5.7 | Is the materiel identification provided as to potential hazards for all hazardous materials generated by the system? (para 10.2.5(b)(1)) | Yes | No | N/A |  |
| 5.8 | Is the materiel identification provided as to type for all hazardous materials used in the system? (para 10.2.5(b)(1)) | Yes | No | N/A |  |
| 5.9 | Is the materiel identification provided as to quantity for all hazardous materials used in the system? (para 10.2.5(b)(1)) | Yes | No | N/A |  |
| 5.10 | Is the materiel identification provided as to potential hazards for all hazardous materials used in the system? (para 10.2.5(b)(1)) | Yes | No | N/A |  |
| 5.11 | Are the safety precautions and procedures necessary during use provided for all hazardous materials generated by the system? (para 10.2.5(b)(2)) | Yes | No | N/A |  |
| 5.12 | Are the safety precautions and procedures necessary during storage provided for all hazardous materials generated by the system? (para 10.2.5(b)(2)) | Yes | No | N/A |  |
| 5.13 | Are the safety precautions and procedures necessary during transportation provided for all hazardous materials generated by the system? (para 10.2.5(b)(2)) | Yes | No | N/A |  |
| 5.14 | Are the safety precautions and procedures necessary during disposal provided for all hazardous materials generated by the system? (para 10.2.5(b)(2)) | Yes | No | N/A |  |
| 5.15 | Are the safety precautions and procedures necessary during use provided for all hazardous materials used in the system?  (para 10.2.5(b)(2)) | Yes | No | N/A |  |
| 5.16 | Are the safety precautions and procedures necessary during storage provided for all hazardous materials used in the system?  (para 10.2.5(b)(2)) | Yes | No | N/A |  |

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| **T.R.#** | **Conclusions and recommendations section cont’d** | **Answer** | | | **Notes** |
| 5.17 | Are the safety precautions and procedures necessary during transportation provided for all hazardous materials used in the system?  (para 10.2.5(b)(2)) | Yes | No | N/A |  |
| 5.18 | Are the safety precautions and procedures necessary during disposal provided for all hazardous materials used in the system?  (para 10.2.5(b)(2)) | Yes | No | N/A |  |
| 5.19 | Is a copy of the Material Safety Data Sheet (MSDS) (OSHA form 20 or DD Form 1813) included for all hazardous materials generated by the system? (para 10.2.5(b)(3)) | Yes | No | N/A |  |
| 5.20 | Is a copy of the Material Safety Data Sheet (MSDS) (OSHA form 20 or DD Form 1813) included for all hazardous materials used in the system? (para 10.2.5(b)(3)) | Yes | No | N/A |  |
| 5.21 | Is there a statement that the system does not contain hazardous (i.e., explosive, toxic, radioactive, carcinogenic, etc.) materials?  (para 10.2.5(c)) | Yes | No | N/A |  |
| 5.22 | Is there a statement that the system does not generate hazardous (i.e., explosive, toxic, radioactive, carcinogenic, etc.) materials?  (para 10.2.5(c)) | Yes | No | N/A |  |
| 5.23 | Is there a statement signed by the contractor system safety 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? (para 10.2.5(d)) | Yes | No | N/A |  |
| 5.24 | Within the statement signed by the contractor system safety 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, are there recommendations applicable to the safe interface of the system with other systems? (para 10.2.5(d)) | Yes | No | N/A |  |
| 5.25 | Is there a statement signed by 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?  (para 10.2.5(d)) | Yes | No | N/A |  |
| 5.26 | Within the statement signed by theprogram 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, are there recommendations applicable to the safe interface of the system with other systems?  (para 10.2.5(d)) | Yes | No | N/A |  |

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| **T.R.#** | **Reference section** | **Answer** | | | **Notes** |
| 6.1 | Is there a list of all pertinent references such as test reports, preliminary operating manuals, and maintenance manuals?  (para 10.2.6) | Yes | No | N/A |  |
| **Army Regulations**  **AR 385-10, and DA PAM 385-16** | | | | | |
| **T.R.#** |  | **Answer** | | | **Notes** |
| 7.1 | Was the SAR prepared or updated prior to the Milestone Decision Review (MDR)?  (AR 385-10, para 4.8(c)) | Yes | No | N/A |  |
| 7.2 | Does the safety assessment report (SAR) include a copy of the Health Hazard assessment report (HHAR)?  (AR 385-10, para 4.8(c)) | Yes | No | N/A |  |
| 7.3 | Did the contractor provide input to the SAR?  (AR 385-10, para 4.8(c)) | Yes | No | N/A |  |
| 7.4 | Did the contractor provide input to the HHAR? (AR 385-10, para 4.8(c)) | Yes | No | N/A |  |
| 7.5 | Was guidance from DA PAM 385-16 followed? (AR 385-10, para 1.4(w)(4)) | Yes | No | N/A |  |

NOTES:

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| **Acronym** | **Definition** |
| AMCOM | Aviation and Missile Command |
| AR | Army Regulation |
| DA | Department of Army |
| HHAR | Health Hazard Assessment Report |
| MDR | Milestone Decision Review |
| MSDS | Material Safety Data Sheet |
| OSHA | Occupational Safety and Health Administration |
| PAM | Pamphlet |
| SAR | Safety Assessment Report |

**REFERENCES**

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| AR 385-10 | The Army Safety Program |
| DA PAM 385-16 | System Safety Management Guide |
| DI-SAFT-80102B | Data Item Description Safety Assessment Report (SAR) |
| MIL-STD-882E | Department of Defense Standard Practice System Safety |