

12 GeV ISM Implementation

ISM Guiding Principle/ Core Function	Physics/Accelerator/Civil	ESH&Q Support
<p><u>Guiding Principle 1</u> Line Management Responsibility for Safety</p> <p><u>Guiding Principle 2</u> Clear Roles and Responsibilities</p>	<ul style="list-style-type: none"> - Mission Need Statement (DOE) - Acquisition Strategy (DOE) - Project Execution Plan (DOE) - Supplemental QA Plan - Contract Performance Assessment 	<ul style="list-style-type: none"> - Mission Need Statement (DOE) - Project Execution Plan (DOE) - Supplemental QA Plan - Jefferson Lab EH&S Roles and Responsibilities
<p><u>Guiding Principle 3</u> Competence Commensurate with Responsibilities</p>	<ul style="list-style-type: none"> - Project Execution Plan (DOE) - Supplemental QA Plan - Contract Performance Assessment 	<ul style="list-style-type: none"> - Project Execution Plan (DOE) - Supplemental QA Plan - Jefferson Lab EH&S Roles and Responsibilities
<p><u>Core Function 1</u> Define the Scope of Work</p> <p><u>Guiding Principle 4</u> Balanced Priorities</p>	<ul style="list-style-type: none"> - Mission Need Statement (DOE) - Acquisition Strategy (DOE) - Project Execution Plan (DOE) - Conceptual Design Report - System Requirements Document - Design Solution Document - Contract performance assessment - Earned Value Management System - Project Baseline - Supplemental QA Plan 	<ul style="list-style-type: none"> - Mission Need Statement (DOE) - Acquisition Strategy (DOE) - Project Execution Plan (DOE) - Conceptual Design Report - Supplemental QA Plan
<p><u>Core Function 2</u> Analyze the Hazard</p>	<ul style="list-style-type: none"> - Project Execution Plan (DOE) - Conceptual Design Report - Risk Management Plan - Space Program and Design Criteria Document - Design Criteria Documents - Supplemental QA Plan 	<ul style="list-style-type: none"> - Project Execution Plan (DOE) - Conceptual Design Report - Risk Management Plan - 12 GeV Preliminary Hazard Assessment - 12 GeV CEBAF Upgrade Hazard Assessment - JLab EH&S Manual - Environmental Assessment (DOE/EA-1534) - NEPA – Categorical Exclusions - Storm Water Pollution Prevention Plan - Spill Prevention Control and Countermeasure Plan - Supplemental QA Plan

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<p><u>Core Function 3</u> Develop and Implement Hazard Controls <u>Guiding Principle 5</u> Identification of Safety Standards and Requirements <u>Guiding Principle 6</u> Hazard Controls Tailored to Work Being Performed</p>	<ul style="list-style-type: none"> - Project Execution Plan (DOE) - Conceptual Design Report - JLab Contract Requirements - Design Criteria Documents - JLab EH&S Manual - Space Program and Design Criteria Document - Supplemental QA Plan 	<ul style="list-style-type: none"> - Project Execution Plan (DOE) - Conceptual Design Report - JLab Work Smart Standards - JLab EH&S Manual - Environmental Assessment (DOE/EA-1534) - NEPA – Categorical Exclusions - Storm Water Pollution Prevention Plan - Spill Prevention Control and Countermeasure Plan - Supplemental QA Plan
<p><u>Core Function 4</u> Perform Work Within Controls <u>Guiding Principle 7</u> Operations Authorization</p>	<ul style="list-style-type: none"> - Conceptual Design Report - Preliminary Hazard Assessment - Final Safety Assessment Document - Supplemental QA Plan - Startup Test Plan 	<ul style="list-style-type: none"> - Conceptual Design Report - Preliminary Hazard Assessment - JLab EH&S Manual - Final Safety Assessment Document - Environmental Assessment (DOE/EA-1534) - NEPA Categorical Exclusions - Storm Water Pollution Prevention Plan - Spill Prevention Control and Countermeasure Plan - Supplemental QA Plan
<p><u>Core Function 5</u> Provide Feedback and Continuous Improvement</p>	<ul style="list-style-type: none"> - Supplemental QA Plan - JLab/DOE Lessons Learned - JLab internal audit and independent oversight - Internal system design reviews - External peer design reviews - Integrated project management team reviews - JLab Corrective Action Tracking System 	<ul style="list-style-type: none"> - Supplemental QA Plan - JLab/DOE Lessons Learned - JLab internal audit and independent oversight - Internal system design reviews - External peer design reviews - JLab Corrective Action Tracking System