Integrated Safety Management Program:

7 Guiding Principles of ISM

BALANCED PRIORITIES

OPERATIONS

AUTHORIZATION CLEAR ROLES AND RESPONSIBILITIES

LINE MANAGEMENT RESPONSIBILITY

COMPETENCE COMMENSURATE WITH

HAZARD CONTROLS TAILORED TO WORK BEING PERFORMED

IDENTIFICATION OF SAFETY STANDARDS AND

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5 Core Functions

DEFINE SCOPE OF WORK

ANLYZE THE HAZARDS

DEVELOP AND IMPLEMENT HAZARD CONTROLS

PERFORM WORK WITHIN CONTROLS

PROVIDE FEEDBACK AND IMPROVEMENT



A strong resilient safety culture is the foundation of a sustainable ISM Program.

This foundation must include:

- Commitment at all levels
- Safety should be treated as an investment, not an expense
- Safety development through effective training and education
- An integrated system for risk assessment, prevention and control
- Addressing every reported safety concern and deficiency
- A blame-free work environment

Every Job, Project or Task Has Some Residual Risk

Low

- Safety Controls can be planned by the worker.
- Proceed with supervisor authorization.

Low-Medium

- Safety controls are planned by both the worker and supervisor.
- A second worker knowledgeable of the task and hazards is in the vicinity.
- Proceed with supervisor authorization.

Medium

- Have the Safety Department review and approve the completed THA.
- A written and approved procedure may be required by the Safety Department.
- Two qualified workers must be in place before work can proceed.
- Limit the number of authorized workers in the hazard area.

Medium-High

- Have the Safety Department review and approve the completed THA.
- A written and approved procedure is required and must be authorized by the Safety Department and the MagLab Director or his designee.

High

The activity will not be performed.

Asses the Hazard Level for the job, project or task

Hazard Assessment Matrix		Complexity			
		Simple	Moderate	Difficult	
Familiarity	Very Familiar	1	2	3	
Level	Somewhat Familiar	2	3	4	
	Unfamiliar	3	4	5	

Define Residual
Risk using assessed
hazard level and
(worst case
scenario)
consequences

Integrated Safety Management Risk Assessment Matrix						
Assessed Hazard Level	Consequences					
	Negligible	Minor	Moderate	Significant	Severe	
5	Low Med	Medium	Med High	High	High	
4	Low	Low Med	Medium	Med High	High	
3	Low	Low Med	Medium	Med High	Med High	
2	Low	Low Med	Low Med	Medium	Medium	
1	Low	Low	Low Med	Low Med	Medium	

Tasks	Potential Hazards	Controls	Residual Risk	Authorizations
			HAZARD CONSEQ	
			RESIDUAL	
			RESIDUAL	
			HAZARD CONSEQ	
			RESIDUAL	

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