

CHAPTER F.4.9 – PRESTARTUP REVIEW CHECKLISTS

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OPERATIONAL INTEGRITY MANAGEMENT

This is the ninth checklist in the sixth volume of a series of books on the topic of Operational Integrity Management. The Table below provides a list of current books and chapters (the current chapter is highlighted). The home page for this Table of Contents is www.suttonbooks.net.

The first volume in this series provides an overview of operational integrity management (OIM): what it is, how it works, and what it achieves. The first volume also provides an overview of the industries to which operational integrity management techniques are usually used. The second volume consists of sixteen chapters, one for each of the elements in a representative operational integrity management program. Each chapter also describes how the individual elements can be integrated with one another. The third volume describes the principles of risk management, and also provides guidance to do with the development and management of occupational integrity programs. The fourth volume discusses regulations, industrial standards and legal issues. The fifth and final volume pulls together the materials in the first four volumes. It shows how operational integrity management systems can be designed, implemented and audited, and how operational integrity can be integrated into projects. The fifth volume concludes with a chapter that describes the roles and activities of the operational integrity management professional .

- Volume A — Operational Integrity Management Basics
 - Chapter 1: Overview
 - Chapter 2: Historical Background
 - Chapter 3: Standard Examples
 - Chapter 4: Health, Safety and Environmental (HSE) Management
 - Chapter 5: Risk Management
 - Chapter 6: Creating an OIM Culture
 - Chapter 7: Industries
- Volume B — Elements of Operational Integrity Management
 - Chapter 1: Participation, Leadership and Accountability
 - Chapter 2: Information Management
 - Chapter 3: Process Hazards Analysis
 - Chapter 4: Management of Change
 - Chapter 5: Procedures
 - Chapter 6: Training and Education
 - Chapter 7: Equipment and Instrument Integrity
 - Chapter 8: Work Practices
 - Chapter 9: Prestartup Review
 - Chapter 10: Emergency Planning and Response
 - Chapter 11: Incident Investigation and Analysis
 - Chapter 12: Human Factors Engineering
 - Chapter 13: Reliability, Availability and Maintainability
 - Chapter 14: Security
 - Chapter 15: Public Outreach
 - Chapter 16: Audits, Assessments and Quality Assurance
- Volume C — Risk and Safety
 - Chapter 1: Risk Analysis
 - Chapter 2: Fault Tree and Event Analysis
 - Chapter 3: Failure Modes & Effects Analysis (FMEA)
 - Chapter 4: Stochastic Analysis
 - Chapter 5: Fires and Explosions
 - Chapter 6: Gas Dispersion
 - Chapter 7: Siting and Layout
 - Chapter 8: Occupational and Behavior-Based Safety
- Volume D — Regulations, Standards and Industries
 - Chapter 1: Regulations
 - Chapter 2: Environmental Standards
 - Chapter 3: Other Legal Topics
 - Chapter 4: Industrial Standards
 - Chapter 5: Litigation Support
- Volume E — Implementing Operational Integrity Management
 - Chapter 1: Managing an OIM Program
 - Chapter 2: OIM On Projects
 - Chapter 3: Audits and Reviews
 - Chapter 4: The OIM Professional
- Volume F — Deliverables
 - Chapter 1: Philosophies
 - F.1.1. Participation
 - F.1.1.1 Contractors and Third Party Management
 - F.1.2. Information Management
 - F.1.3. Process Hazards Analysis

- F.1.4. Management of Change
- F.1.5. Management of Change
- F.1.6. Procedures
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 - F.1.6.2 Transfer of Care, Custody and Control
- F.1.7. Training and Education
- F.1.8. Equipment Integrity
 - F.1.8.1 Fire Protection
- F.1.9. Work Practices
- F.1.10. Prestartup Review
- F.1.11. Emergency Response
 - F.1.11.1 Emergency Response Management
 - F.1.11.2 Diesel Firewater Pumps
 - F.1.11.3 Carbon Dioxide Extinguishing
- F.1.12. Incident Investigation
- F.1.13. Human Factors Engineering
 - F.1.13.1 Lighting
 - F.1.13.2 Control Displays
- F.1.14. Reliability, Availability and Maintainability
- F.1.15. Security
- F.1.16. Outreach

Chapter 2: Specifications and Standards

- F.2.1. Participation
- F.2.2. Information Management
- F.2.3. Process Hazards Analysis
- F.2.4. Management of Change
- F.2.5. Procedures
- F.2.6. Training and Education
- F.2.7. Equipment Integrity
- F.2.8. Breathing Air Specification
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Chapter 3: Procedures and Policies

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Chapter 4: Procedures and Policies

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- F.4.13. Reliability, Availability and Maintainability
- F.4.14. Security
- F.4.15. Outreach
- F.4.16. Audit

F.4.9 Prestartup Review Checklists			
Revision	1	September 1, 2005	
References			
Company		Location	
Reviewer		Date	
SME		Reports	

F.4.9.1 Management			
	Question	v	Notes
F.4.9.1.1	Does the operational integrity management program make it clear when a PSR is to be conducted?		
F.4.9.1.2	Is the PSR program written down?		
F.4.9.1.3	Is it clear who is responsible for managing the PSR program?		
F.4.9.1.4	Is a written PSR report required?		
F.4.9.1.5	Has a format for the PSR report developed?		
F.4.9.1.6	Have all PHA items been closed out correctly?		
F.4.9.1.7	Have all MOC items been closed out correctly?		
F.4.9.1.8	Have all other recommendations been closed out correctly?		

F.4.9.2 New Equipment			
	Question	v	Notes
F.4.9.2.1	Have manufacturers' and vendor's instructions be incorporated into the operating procedures?		
F.4.9.2.2	Have manufacturers' and vendor's instructions be incorporated into the maintenance procedures?		
F.4.9.2.3	Does all new equipment meet industry and company standards?		
F.4.9.2.4	Has all new equipment been installed according to company standards?		

F.4.9.3 Procedures			
	Question	v	Notes
F.4.9.3.1	Have the emergency procedures been updated to reflect the changes made?		
F.4.9.3.2	Have the operating procedures been updated to reflect the changes made?		
F.4.9.3.3	Have the maintenance procedures been updated to reflect the changes made?		
F.4.9.3.4	Have the troubleshooting procedures been updated to reflect the changes made?		

F.4.9.4 Walkdown			
	Question	v	Notes
F.4.9.4.1	Have qualified persons visually checked the new equipment?		
F.4.9.4.2	Have the changes been checked against other documents, such as P&IDs and PFDs?		