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# Accident Investigation Trends - A Safety Management Perspective

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# Accident Investigation Trends - A Safety Management Perspective

International Workshop on Human  
Factors in Offshore Operations

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# Accident Investigation - Critical Element of MMS Safety

- Types of Investigations
- Root Cause Oriented
- Identifies Trends
- Identifies Potential Problems



# MMS Reaction to Trends

- Safety Alerts
- Regulatory Review
- Inspection Modification
- Actions Specific to Operator



# Trends Revealed in Recent Fatal Accident Investigations

- Human Factors
- Coincidental Injuries
- Day-to-Day Tasks
- Lack of Procedural Guidelines/Communications
- Management System Failures



# Lack of Procedural Guidelines in Routine Tasks - Why?

- Complacency - Success
- Reliance on:
  - Pre-Job Safety Meetings
  - Safety Handbooks/Work Practices
  - General Training - T2
  - Corporate Safety Plan
- Non-uniformity of Task Steps
- No Systematic Management Policy on Hazardous Task Identification



# Best Procedures Result from JHA/JSA

- JSA - Systematic Way of Dealing with Hazards
  - List Task Elements/Steps
  - Identify Hazards in Each Step
  - Precautions Taken to Deal with Hazards
- Types of JSA
  - Produced at Pre-Job Safety Meeting
  - Produced at Management Level
- Problem - No Systematic Way of Identifying Tasks to Subject to JSA



# Management Responsibility

- Provide the Safest Environment
- Identifying Hazards
  - Reactively
  - Proactively
- Contractors
  - Review Safety Plan
  - Monitor Performance
  - Force a JSA Mentality





# Contact Information

- Safety Alerts & Panel Reports
  - [www.mms.gov/offshoresafety/](http://www.mms.gov/offshoresafety/)
- Accident Stats
  - [www.mms.gov/stats/OCSincident.htm](http://www.mms.gov/stats/OCSincident.htm)
- Public Information Office (2010 reports)
  - 1-800-200-GULF
  - 504-736-2519



# Contact Information Cont'd

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  - 504-736-2923
  - [joe.gordon@mms.gov](mailto:joe.gordon@mms.gov)



# Contact Information Cont'd

- MMS Article in Oil & Gas Journal -  
October 23, 2000 - *MMS investigation  
provides insights*



# Thank You

