INNOVATIVE MARITIME SOFTWARE

Forum “Exzellenz im Schiffsmanagement”

Maritime Compliance & Governance im Fleet Management
(QHSE / Risk Management)
Compliance Management - Processes

- Processes Framework CM-FR 1
- Processes Integration CM-IN 2
- Processes Certificate Management CM-CM 3
- Processes QHSE CM-QS 4
- Processes Inspection CM-IS 5
- Processes Incident Investigation CM-II 6
- Processes Risk Assessment CM-RA 7
- Processes Emergency Preparedness CM-EP 8
- Processes Vetting CM-VT 9
- Processes TMSA CM-TS 10
Compliance Management - Processes

- Processes Framework CM-FR 1
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CM-QS 4 Overview of QHSE Processes

Level 0
CM-QS 4
- Compliance Management
- QHSE

Level 1
CM-QS 4.1
Master Data
CM-QS 4.2
Core Processes
CM-QS 4.3
Support Processes
CM-QS 4.4
Reporting

Level 2
CM-QS 4.2.1
Management System Reporting 1)
CM-QS 4.2.2
Management System Audits
CM-QS 4.2.3
Management System Review
CM-QS 4.2.4
Management System Improvement Plan 2) 3)
CM-QS 4.2.5
Management System KPIs Adjustment
CM-QS 4.3.1
Management System Report
CM-QS 4.3.2
Audit Planner 4), 5), 6)
CM-QS 4.3.3
Internal & External Audits
CM-QS 4.3.4
Completeness Check 7)
CM-QS 4.4.1
Status Lists / Dashboards
CM-QS 4.4.2
Statistics
CM-QS 4.4.3
Templates & Printing 8), 9), 10)

1) Incidents, Findings
2) Output to CM-FR 1.2.3 “Policies & Procedures - Definition”
3) Input from CM-RA 7.2.4 “Risk Effectiveness Control”
4) Company, Fleet, Manning Agencies, Service Providers, Suppliers
5) In combination with CM-CM 3.3.1 “Certificates Planner”
6) Output to “Action Planner Port”
7) Input for set of documents and/or data to be provided in periodical intervals
8) Integration to TM
9) Vessel Integration
10) Interface to DMS
1) Output to CM-QS 4.2.4 "Management System - Improvement Plan"
2) Risk assessment structure based on known risk scenarios and respective safeguards for identified hazards
3) Additional support process "Work Permit"
4) Vessel Integration
5) Interface to DMS
Risk Management - Prototype

From Risk Assessment to Risk Management
Risk Assessment - Template

- Create company/vessel templates
- Define new controls as necessary
Risk Management - Configuration

- Risk matrix / Severity levels are customizable
Risk Assessment

- Create individual instances for risk assessments
- Describe hazards and controls
- Track risk assessment results for organizational learning
- Request work permits from office
- Receive approvals from office
QHSE – Documentation Prototype

**DMS**
- Document creation, revision, approval workflows, archiving etc.
- Document distribution criteria for fleet
- Office user works usually in DMS

**Fleet Management**
- Document distribution to vessels via data transfer
- Overview on current documents across the vessels

**Office**

**Vessel**
- Document receipt via data transfer and read confirmation per user
- Always the latest version available on board

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**UDMS adapter**

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**SharePoint**

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**PortalSystems**

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**DNV·GL**

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DMS Prototype

- Directory structure in SharePoint same as on vessel
- Central document repository
- Create new documents based on defined templates

- Version control and approval workflow
- Document metadata automatically inserted (e.g. in header)
- DMS features e.g. check out, publish, version history, workflows, alerts
Fleet/Vessel Prototype

Document Library

- Common library across fleet for
  - Safety flashes
  - Best practices
  - Lessons learned
  - Circulars
  - Fleet manuals
  - Regulations

- Standardized document tree across fleet

- Assign different user access levels

- Automatically push changes to vessels

- User read confirmations received in office
Perspektiven

- Prototyp für Risk Management, integriert in QHSE Solution
  - Risk Assessment einschließlich Risk Mitigation
  - Umfassende Konfigurationsmöglichkeiten
  - Erweiterte Freigabe- / Bestätigungsprozesse

- Kommerzielle Zusammenarbeit mit Portal Systems bei der Integration von Dokumenten Management Systemen auf der Basis des Prototypen
Vielen Dank für Ihre Aufmerksamkeit

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SAFER, SMARTER, GREENER
Perspectives

- Prototype for Risk Management integrated in QHSE solution
  - Risk Assessment including Risk Mitigation
  - Powerful configuration possibilities
  - Advanced approval/confirmation processes

- Commercial cooperation with Portal Systems for DMS integration based on Prototype for automatized Document Management