

24TH ANNUAL GLOBAL
NAUTICAL SYSTEMS

USER 
CONFERENCE

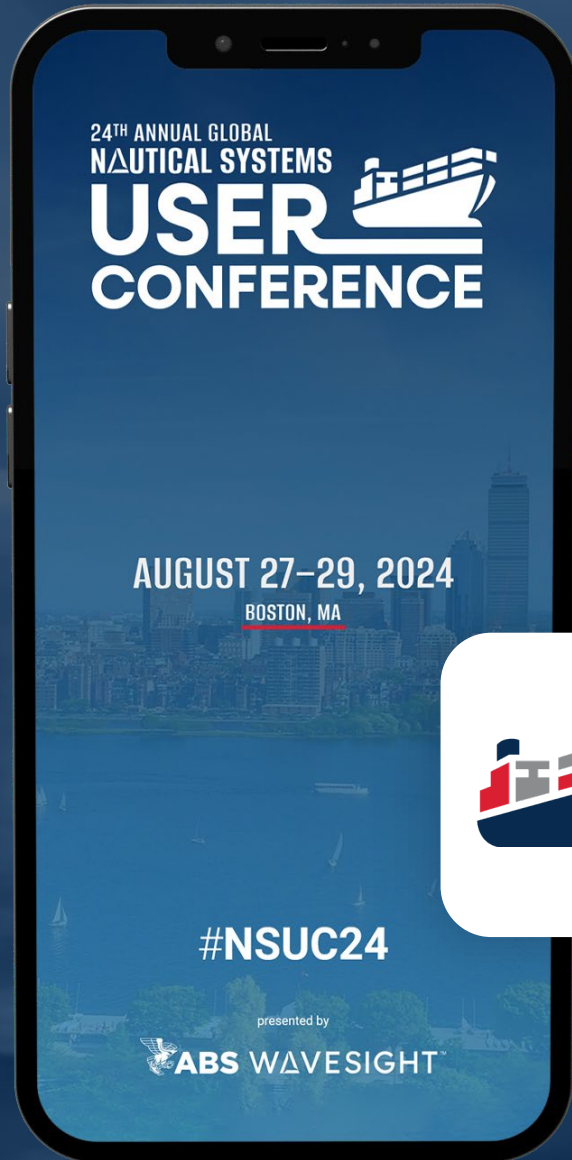
Compliance Recent Release & Roadmap

John Hathaway | Sucharita Basu

8/27/2024

Presented by





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REMINDER: You can earn points during this session! Submit your questions, answer polls and leave feedback on this presentation through the NSUC24 mobile app.

The more you use the app, the more points you earn. Winners will be announced daily.



John Hathaway

Director, Product Management

I joined ABS in 2007 from an NS customer to shape the direction of our products. Product is my passion – continuously improving our fleet management suite to solve key business needs of our customers.



Sucharita Basu

Product Delivery Manager

Working as a Product Owner/SME for the NS Application specializing in Compliance, Workforce Management and Interface modules for more than 16 years.

Strong believer of “The only way to do great work is to love what you do.” – Steve Jobs

Compliance Management Roadmap

Delivered Since Last User Conference

11:00 – 11:45

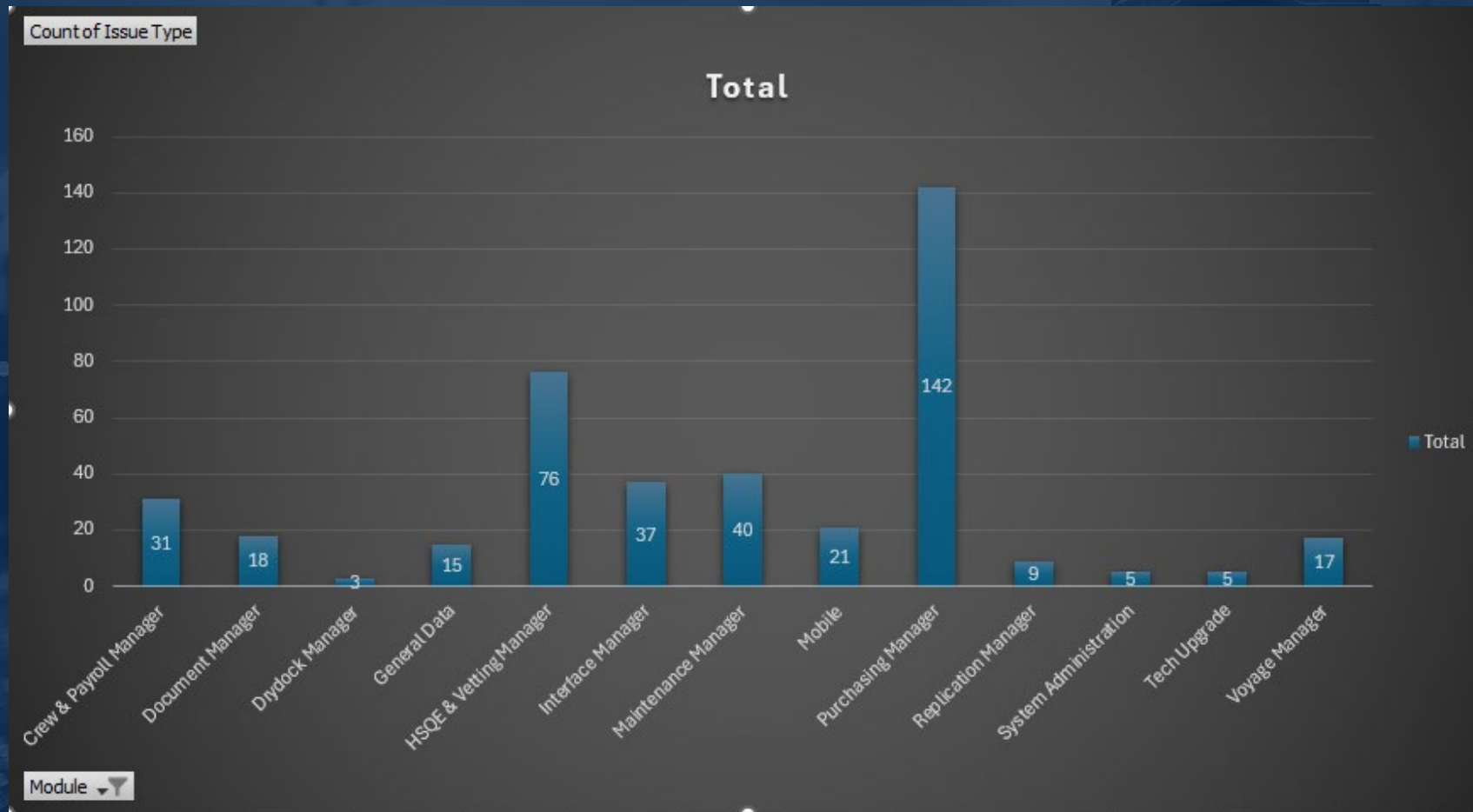
Roadmap for Compliance 2024/2025

11:45 – 12:30

Delivered Since Last User Conference



Delivered in the Last 10 Months



Highlights of NS Enterprise Compliance Changes

- Certificate Management
- RAM Analysis in Findings, Corrective Action and Incident
- Access control for Inspection Document by Inspection Type
- Access control for Incident Document by Incident Type
- SIRE 2.0 Support and new Vetting workflow
- JSA enhancements, exports, configurations
- Management of Change Deferral
- CRWH Analysis feature
- DMS Gadgets
- Permit to Work time zone-based view
- HSQE Scoring



Highlights of new NS Web Compliance Changes going on now

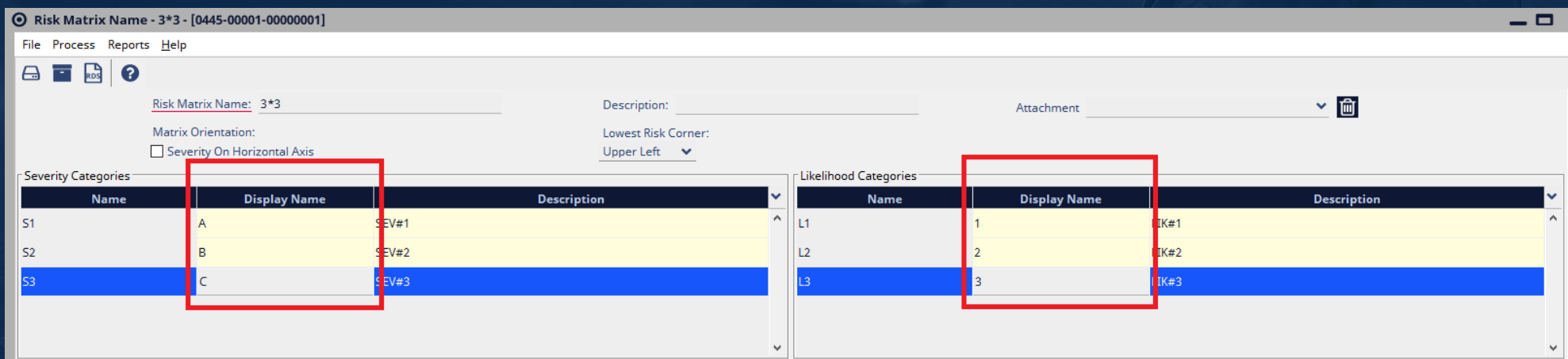
- New features such as “Cancel” has been added to all Compliance Documents
- All compliance reports have been reformatted to better present the questionnaire information
- Searches have been enhanced with additional data points
- Notification settings have been made more granular, allowing configuration to better support HSQE concepts

Job Safety Analysis

JSA Export and Import has been enhanced to add the existing JSA Templates to the new ship. Instead of manually opening each template and adding the new ship, the selected templates can now be exported out, one or more ships can be added to the template, and it is imported back.

Based on weather and ship conditions often the situation demands re-ordering of the task execution in a JSA. Adding editable Task Numbers helps in prioritizing and sorting tasks within the JSA document.

Configuration is now available to perform risk calculations and approve JSAs based on pre-risk rather than post-risk. Additionally, severity and likelihood indexes are also now configurable.



Risk Matrix Name - 3*3 - [0445-00001-00000001]

File Process Reports Help

Risk Matrix Name: 3*3 Description: Attachment

Matrix Orientation: ☐ Severity On Horizontal Axis Lowest Risk Corner: Upper Left

Severity Categories

Name	Display Name	Description
S1	A	SEV#1
S2	B	SEV#2
S3	C	SEV#3

Likelihood Categories

Name	Display Name	Description
L1	1	LK#1
L2	2	LK#2
L3	3	LK#3



RAM Analysis and Compliance Scoring

A new multi-dimensional severity concept has been introduced to track both potential and actual severity on Compliance documents such as Findings, CARs, and Incidents.

Hazard Category - ASSET - [0116-00001-00002826]

Description:

Abbreviation:

Identity:

☒ Include in RAM Analysis

Risk Matrix:

Ok

Help

HSE RISK MATRIX							
CONSEQUENCES		SEVERITY	1 Insignificant	2 Minor	3 Moderate	4 Major	5 Catastrophic
		People	Slight Injury	Minor Injury	Major Injury / Health effects	Single Fatality / Permanent total disability	Multiple Fatalities / Permanent total disability
		Environment	Slight Impact	Minor Impact	Moderate Impact	Major Impact	Massive Impact
		Asset	Slight Damage	Minor Damage	Local Damage	Major Damage	Extensive Damage
		Reputation	Slight Impact	Limited Impact	Considerable Impact	Major National Impact	Major International Impact
LIKELIHOOD	E Almost Certain	Incident has occurred several time in company	E1	E2	E3	E4	E5
	D Likely	Incident has occurred more than once per year in company	D1	D2	D3	D4	D5
	C Possible	Incident has occurred in company or more than once in industry world wide	C1	C2	C3	C4	C5
	B Unlikely	Incident has occurred in industry world wide	B1	B2	B3	B4	B5
	A Remotely likely to happen	Never heard of in industry world wide but could occur	A1	A2	A3	A4	A5

Management of Change Deferral

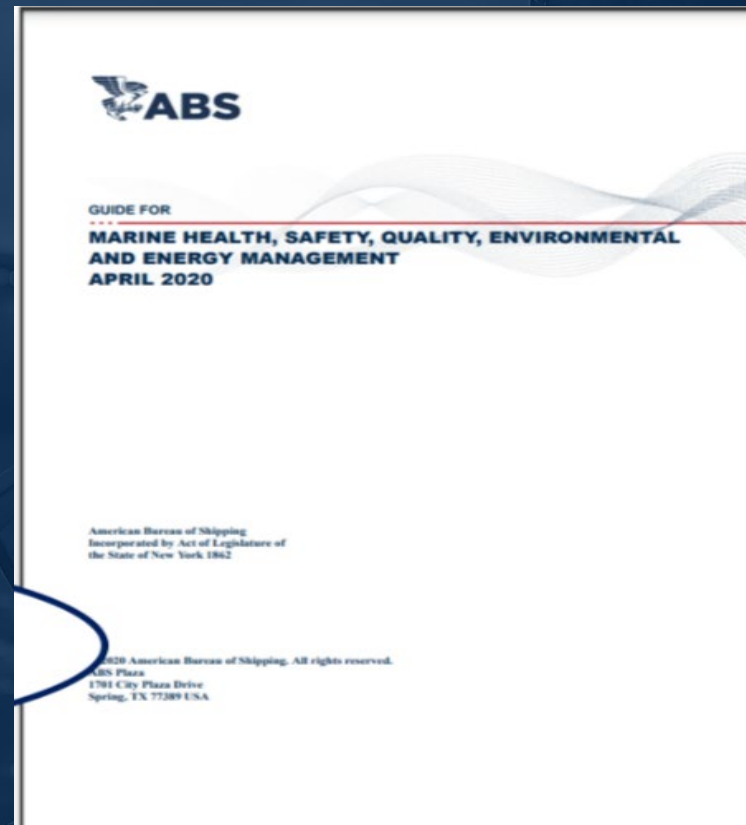
MOC Deferral has been enhanced to meet the TMSA guidelines

Optional or compulsory Risk Assessment for MOC deferral process.

Configuration supports both user and role-based approvals

Management of Change described in Chapter 4.20 of ABS HSQE Guide

ABS Marine Industry Guidelines



Management of Change Deferral

MOC Deferral Setup - New

Document: MANAGEMENT OF CHANGE

Ship:

MoC Type:

☐ Require Risk Assessment

☐ Referenced JSA Type
 ☐ Reference JSA Template

Setup: ☐ User based ☒ Role based

Sequence No.	Min [days]	Max [days]
1	0	0

Ok Report Help

Management of Change - [1148-00001-00000001]

File Process Reports Help

Re-Schedule
Accept
Reject MoC
Submit For Approval
Approve
Reject Approval
Implement
Verify
Complete
Close
Hide

Submit
Accept
Decline

Approved Implemented Verified Completed Closed

Title: MOC FOR MAINTENANCE CRITICAL EQUIPMENT

Category: Implementation Strategy: ☒ Global ☐ By Ship

Change Owner: superuser, superuser

Competency: ☐ Replacement in Kind

Questionnaire: ☐ JSA Required

Requested Date: 07/01/2024

Implementation Plan: 08/01/2024

Implementation Due: 10/04/2024

Completed Date:

Expiration Date:

RA For MOC Deferral

☐ RA required for deferral Use Template/RA Type: Start RA

Ship Name	JSA No.	Title	Status	Status Date
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Certificate Management

Ships conducting international trade may need to carry over 50 documents on board. These documents must be in compliance with the requirements of the vessel's flag state, international regulations and treaties established by the IMO (International Maritime Organization) and the operational and safety requirements of the local port authorities and flag state.

The IMO has standardized documents that some countries may accept, under the Facilitation of Maritime Traffic Convention. However, it is common for countries to require a crew list among other forms for port entry. The specific documents needed to operate and enter port also depend on the ship's classification, construction, tonnage and cargo.

The Vessel Certificate Dashboard provides a comprehensive view for managing upcoming surveys, expired, intermediate, annual and renewal certificates.

Certificates include color coding to ensure expirations receive attention.

This dashboard also includes an option to filter certificates based on the flag state, to make collating and downloading certificates during port entry easier.

Certificate Management

Vessel Certificate Dashboard

File View Help

Bookmark... -- Select --

Save Search

1 / 1 (25 Rows of 25)

[ALL]

Search...

Ship: -- Select --
Certificate Name:
Certificate Type: -- Select --
Job Type:
Retired: ☐
Expired Only: ☐

Issue Date: -- Select --
Expiry Date: -- Select --
Reviewed Status:
Issuing Authority: -- Select --
Vessel Flag:

Status	Total
Overdue	9
Due in 30 Days	2
Due in 60 Days	0
Due in 90 Days	9

Overdue

Due in 30 Days

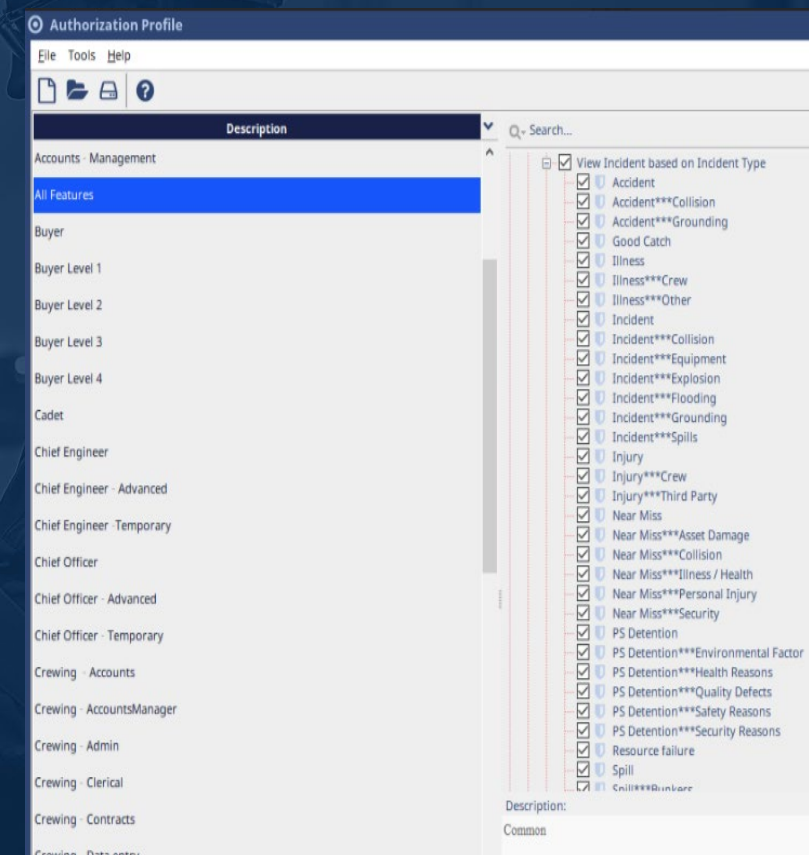
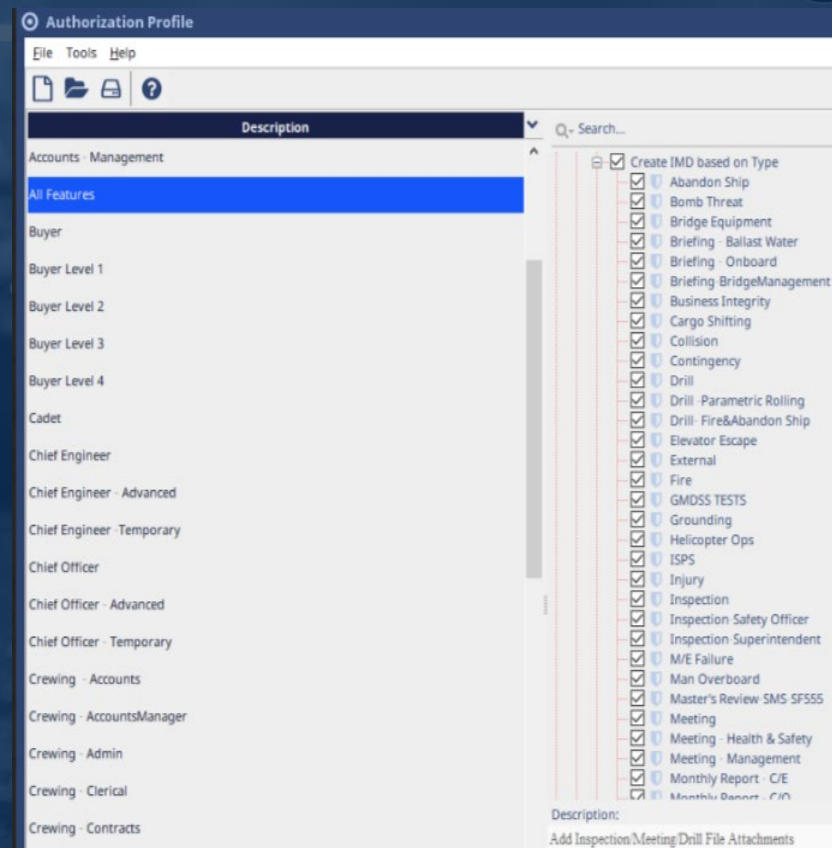
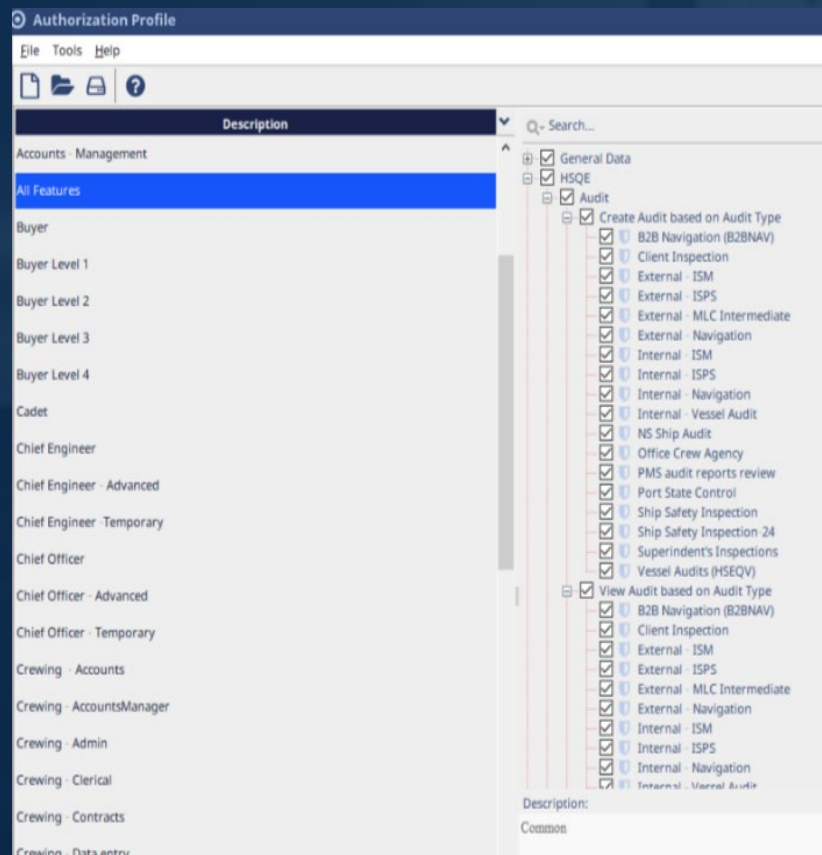
Due in 60 Days

Valid

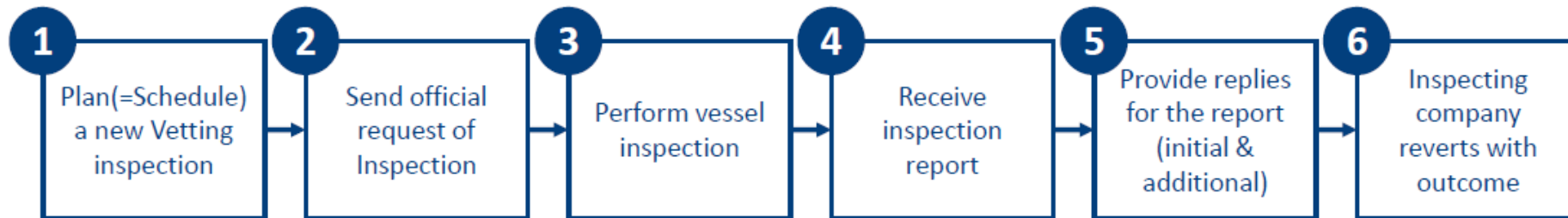
Last Survey/ Next Survey comes from associated SJ/ CJ

Ship	Ship Name	Type	Code	Certificate No.	Certificate Name	Issue Date	Expiry Date	Last Survey / Audit D...	Next Survey/ Audit D...	Due In Days	Intermediate Open Wi...	Intermediate Close Wi...	Next Audit...
<input type="checkbox"/> NRB	MV NORTHERN BAY	SURVEY		ABS-009	MLC CERTIFICAT...	06/04/2036	06/04/2036		12/01/2024	97	0 Days	0 Days	INTERMEDIATE ...
<input type="checkbox"/> NRL	MV NORTHERN LIGHT	SURVEY		abs100	MLC CERTIFICAT...	06/01/2028	06/01/2033		12/01/2025	462	0 Days	0 Days	INTERMEDIATE ...
<input checked="" type="checkbox"/> NRB	MV NORTHERN BAY	SURVEY		a01	20th Aug Test Su...	06/01/2023	06/01/2024		07/01/2024	Overdue			RENEWAL
<input checked="" type="checkbox"/> NRL	MV NORTHERN LIGHT	SURVEY		a02	20th Aug Test Su...	06/15/2023	06/15/2024		07/15/2024	Overdue			RENEWAL
<input checked="" type="checkbox"/> NRS	MV NORTHERN STAR	SURVEY		a03	20th Aug Test Su...	06/20/2023	06/20/2024			Overdue			RENEWAL
<input type="checkbox"/> NRB	MV NORTHERN BAY	SURVEY			ADDITIONAL CE...								RENEWAL

Access Controls enable external auditors to view only certain types of Compliance Documents



SIRE 2.0



Vetting Document - New

File Process Reports Help

Request For Vetting
Inspect
✓ Import SIRE Report
Reply
Complete
Close
Hide
ReOpen

View Process Map

Inspected Replied Completed Closed

Title: _____
Questionnaire: _____ Port: _____
Ship Team: _____ IMO No: _____
Doc Owner: Chotu Singh Responsible Role: _____
Invoice Amount: 0.00 Currency: _____ ☐ Invoice Paid
Invoice Number: _____ [Link To Compliance Job](#) ☐ Inspection Complete

SIRE Report #: _____
☒ Single Inspector ☐ Multiple Inspectors
Inspector's Name: _____
☒ At Sea ☐ In Port ☐ Remote

Scheduled: 08/26/2024
Inspection Date: _____
Report Received: _____
Reply By Date: _____
RP Complete Date: _____
Completed Date: _____
SIRE Expiry Date: _____
OM App Expiry Date: _____

SIRE 2.0

Findings Type List

File Help

Search...

Findings Type - New

CLASS FINDING

Description:

Identity: Recommendation

- Recommendation
- Commendation
- Non Conformity
- Major Non Conformity
- Observation
- Others
- Condition of Class
- Negative Observation**

Finding - New

File Process Response Library Help

Created In Progress Closed

Finding No.: AUTOGEN

Finding Sort No.:

Findings Type: **Negative Observation**

Category:

Ship: **NC**

Ship Team:

Internal Ref. 1:

Internal Ref. 2:

Doc Owner: SUPERUSER, SUPERUSER

Responsible Role:

Questionnaire:

SMM Ref.:

Source: NC

PSC Defect Code:

Severity:

IMO No:

Internal Ref. 3:

Risk:

Nature of Concern:

Subject of Concern:

Reported Date: 09/08/2023

Respond By Date:

Closed By Date: 09/22/2023

No Further Action Required: ☐

Generated from SIRE: ☐

Exclude from statistics: ☐

Nature of Concern and Subject of Concern list can be created in NSE through import or API sync(coming soon)

SIRE 2.0

Vetting Document - New

File Process Inspections Reports Help

View Process Map

Scheduled Requested Inspected Replied Completed Closed

Inspection No.: AutoGen
Vetting Type:
Ship:
Inspecting Party:
SIRE Report #:
☒ Single Inspector ☐ Multiple Inspectors

Title:
Questionnaire:
Ship Team:
Doc Owner: Chotu Singh
Invoice Amount: 0.00
Invoice Number:
Port:
IMO No:
Responsible Role:
Currency:
☐ Invoice Paid
☐ Inspection Complete

Scheduled: 08/26/2024
Inspection Date:
Report Received:
Reply By Date:
RP Complete Date:
Completed Date:
SIRE Expiry Date:
OM App Expiry Date:

Link To Compliance Job

Pre-inspection data is displayed

Details Inspection/Meeting/Drill Findings CARs

Ship	Ship Name	Inspection No.	Type	Title	Status
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SIRE 2.0

Vetting Document - New

File Process Meeting Reports Help

Scheduled Requested Inspected Replied Completed Closed

Inspection No.: AUTOGEN Title:

Vetting Type: Questionnaire: Port:

Ship: Ship Team: IMO No:

Inspecting Party: Doc Owner: SUPERUSER, SUPERUSER Responsible Role:

SIRE Report #: Invoice Amount: 0.00 Currency: Invoice Paid

☒ Single Inspector ☐ Multiple Inspectors Invoice Number: [Link To Compliance Job](#) ☐ Inspection Complete

Inspector's Name: ☒ At Sea ☐ In Port ☐ Remote

Scheduled: 09/08/2023

Inspection Date:

Report Received:

Reply By Date:

RP Complete Date:

Completed Date:

Issuance Date:

Expiry Date:

Details Questionnaire Description Pre-Inspection Data **Meeting** Findings Inspector CARs Comments

Ship	Ship Name	Inspection No.
------	-----------	----------------

- Start Opening Meeting
- Start Closing Meeting
- View Opening Meeting
- View Closing Meeting
- Link Opening Meeting
- Link Closing Meeting

Ship	Ship Name	Type	Closing Meeting Title	Status
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Opening and Closing Meeting questionnaires are shared. Once loaded in the system they can be reviewed.

DMS Replication Status




ABS Nautical Systems Document Management System

Welcome Tapale Vaishali Logged in: 07/15/2024 23:23:38 [Change Password](#)

Search: Go [Advanced Search](#)

My Documents

(1 of 1) 1 25 Columns

		Document Name	Type	Status	Author	Owner	Last Modified	Appr. Required	Appr. Status	Revision	Status	Published	Version	Last Publish Date	Document Links	Document Category	Replication Status
<input checked="" type="checkbox"/>		0_Central upload_Auto-refresh			Tapale Vaisha	Tapale Vaisha	07/15/2024	No			Unread	Yes	1.0	07/15/2024			 0.00%
<input type="checkbox"/>		00_Doc.01_Auto-refresh			Tapale Vaisha	Tapale Vaisha	07/15/2024	No			Unread	Yes	1.0	07/15/2024			 100.00%
<input type="checkbox"/>		000_Doc.01_Export			Tapale Vaisha	Tapale Vaisha	07/15/2024	No			Unread	Yes	1.0	07/15/2024			 100.00%

- Blank indicates the document is uploaded and not published
- Once published the column will show 0.00%
- As the file transmits through replication the percentage replicated is indicated through pie chart

Color coding on the pie-chart

- InProgress: Blue
- SYNC Complete: Green
- Missing: Red
- Version Mismatch: Amber/Yellow color

DMS Replication Status




ABS Nautical Systems Document Management System

Welcome Tapale Vaishali Logged in: 07/15/2024 23:23:38 [Change Password](#)

Search: Go [Advanced Search](#)

My Documents

(1 of 1) 1 25 Columns

		Document Name	Type	Status	Author	Owner	Last Modified	Appr. Required	Appr. Status	Revision	Status	Published	Version	Last Publish Date	Document Links	Document Category	Replication Status
<input checked="" type="checkbox"/>		0_Central upload_Auto-refresh			Tapale Vaisha	Tapale Vaisha	07/15/2024	No			Unread	Yes	1.0	07/15/2024			 0.00%
<input type="checkbox"/>		00_Doc 01_Auto-refresh			Tapale Vaisha	Tapale Vaisha	07/15/2024	No			Unread	Yes	1.0	07/15/2024			 100.00%
<input type="checkbox"/>		000_Doc 01_Export			Tapale Vaisha	Tapale Vaisha	07/15/2024	No			Unread	Yes	1.0	07/15/2024			 100.00%

- ☐ Blank indicates the document is uploaded and not published
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- ☐ As the file transmits through replication the percentage replicated is indicated through pie chart

Color coding on the pie-chart

- ☐ InProgress: Blue
- ☐ SYNC Complete: Green
- ☐ Missing: Red
- ☐ Version Mismatch: Amber/Yellow color

DMS Replication Status

NS - Enterprise Version 6.5.33 - Central

ABS Nautical Systems Welcome, Vaishali (Fleet)

(0) Log out Account Settings Help Training

Workspace | Maintenance & Purchasing | Crew & Payroll | HSQE | Voyage & Energy | Voyage Manager | eLogs | DMS | **Replication** | Interfaces | General Data | System Administration

Navigator

★ Favorites

Replication

Reports

Tools

- Attachment Replication Queue
- Change Load Sequence Number
- Event Viewer
- Export Replication File For Support
- Import Replication File From Support
- Notifications
- One Time Only Dump
- Patch Deployment
- Re-Queue Transaction File
- Replication Error Filtration
- Site's Information
- Custom Form
- DMS
- HM3D
- Maintenance
- Remote Database
- Set Up

Site's Information Site's DMS Replication Status

File List Reports Help

File Tag Help

1 / 1 (8 Rows of 8) [ALL] Search...

☒ Missing Documents ☐ Mismatched Documents Sync

Name	Abbr.	Document Name	Document Path	Central Version	Site Version	Status
Vessel	VSL	02_Missing_Embarkation Record	Documents/Test 03_cen to vessel/02_Missing_Embarkation Record	1.0		Missing
Office	OFC	04_vers mismatch cent to off Travel Reason...	Documents/Test 03_cen to vessel/04_vers mismatch cent to off Travel ...	1.1	1.0	Mismatched
Shipboard 02	SH2	Missing Test_US_36070_test scenarios	Documents/Test 01/Missing Test_US_36070_test scenarios	1.0		Missing
		Missing Testing 01_Seaman Type List	Documents/Test 02/Missing Testing 01_Seaman Type List	1.0		Missing
		Seaman Type List_Missing doc 01	Documents/Test 01/Seaman Type List_Missing doc 01	1.0		Missing
		Test 01_Missing	Documents/Test 01/Test 01_Missing	1.0		In-Progress
		Test 02_Missing	Documents/Test 02/Test 02_Missing	1.0		Missing
		Test 03_Missing_Central to OFC	Documents/Test 02/Test 03_Missing_Central to OFC	1.0		Missing

Replication

Loaded On	Loaded	Loaded On Date Time	Acknowledge	Acknowledged Date Time
2024	F_VSL_0011	06/22/2024	T_VSL_0030	06/22/2024
2024	F_OFC_0026	06/22/2024	T_OFC_0033	06/22/2024

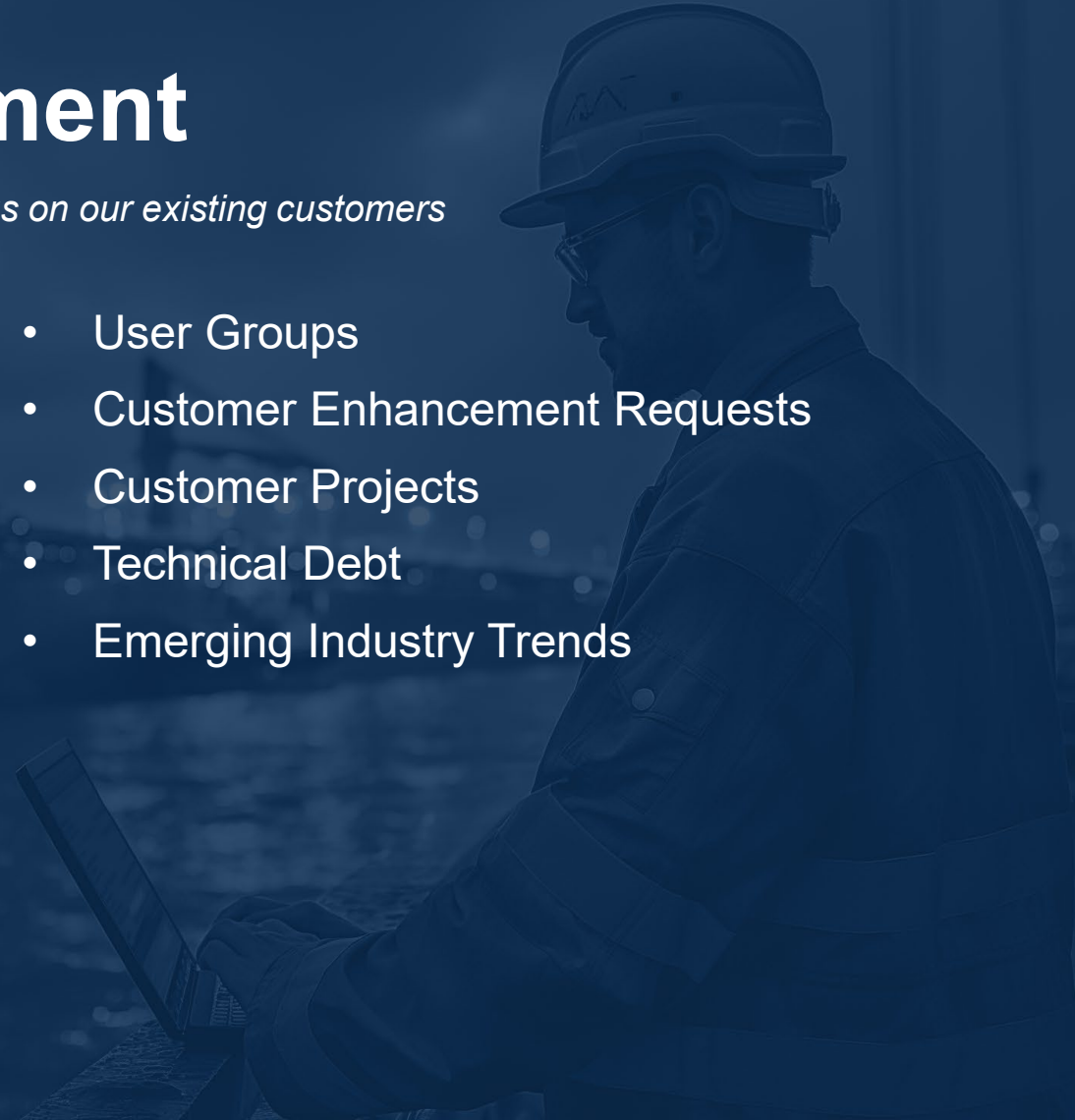
Compliance Roadmap



Roadmap Development

The roadmap comes from multiple sources, with a focus on our existing customers

- Regulatory Requirements
- RFP/New Customer Request
- Sales & Accounting Management
- Customer Success
- User Groups
- Customer Enhancement Requests
- Customer Projects
- Technical Debt
- Emerging Industry Trends



Disclaimer

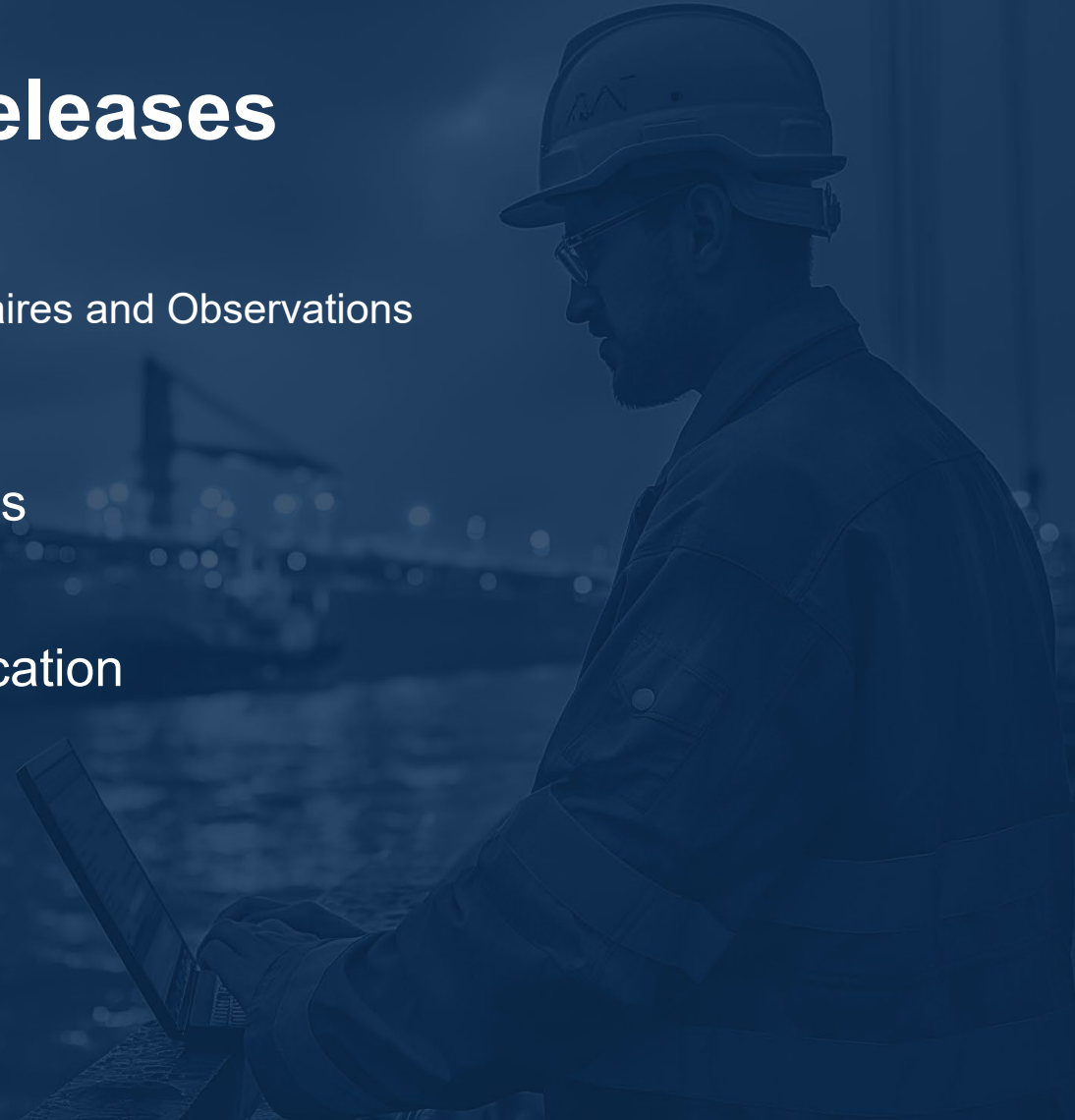
The following information is being shared to outline some of our current product plans, but like everything else in life, even the best laid plans can change. We are hopeful that the following can shed some light on our roadmap, but it is important to understand that it is being shared for INFORMATIONAL PURPOSES ONLY, and not as a binding commitment.

Please do not rely on this information to make purchasing decisions, because ultimately, the development, release and timing of any products, features or functionality remains at the sole discretion of ABS Wavesight and is subject to change.

Roadmaps are updated monthly and shared with customer-facing teams to share as appropriate.

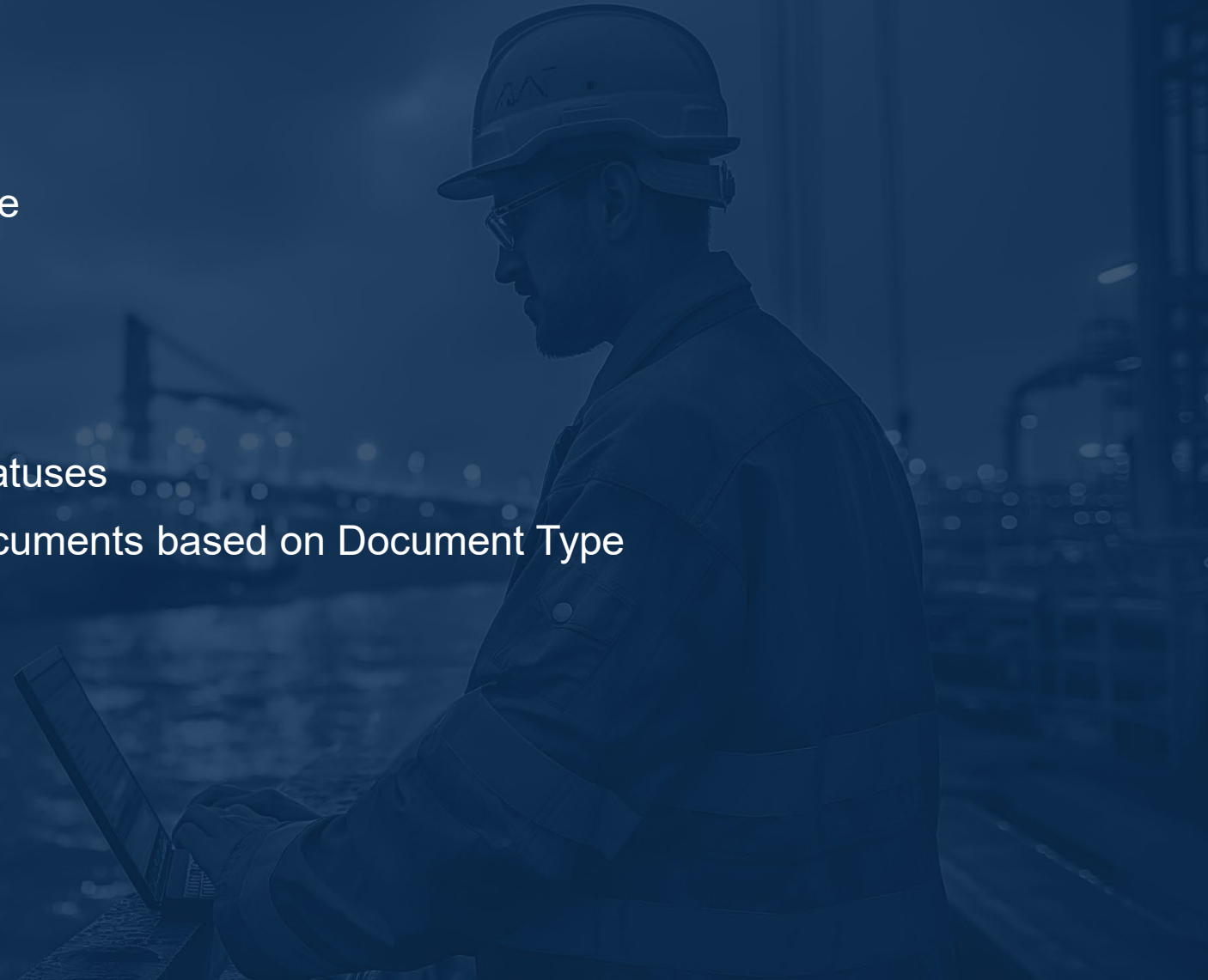
Near Term – next two releases

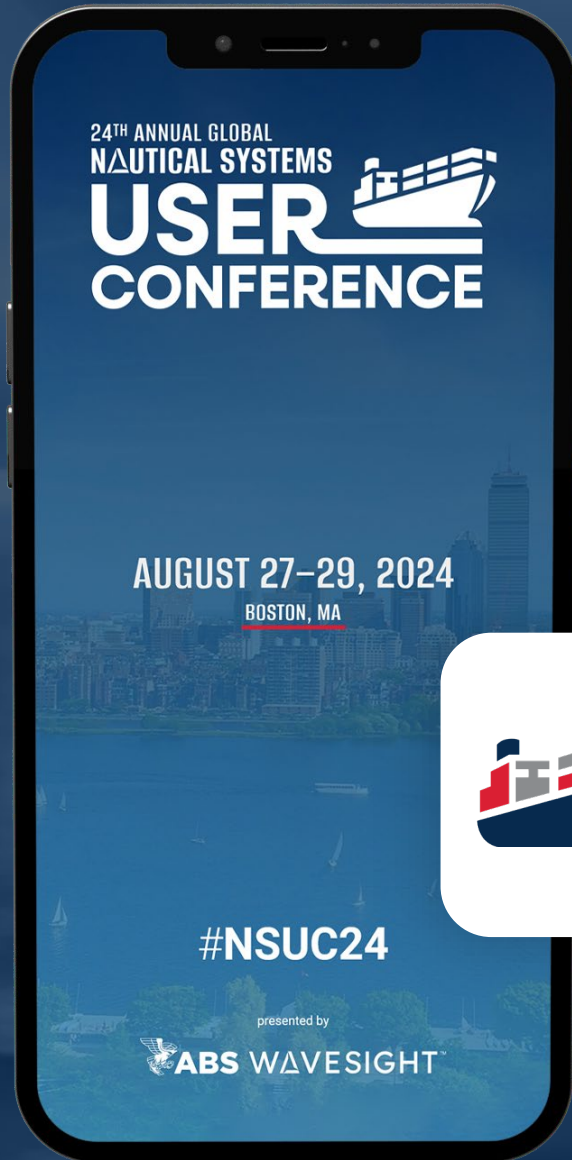
- SIRE 20. Support
 - JSON/ API Integration for Questionnaires and Observations
 - Questionnaire Enhancements
 - Answer Template Imports/ Exports
- CRWH Analysis of nonconformances
- CWRH Manila Exceptions
- Time and date storage across application
- DMS Fixes and Enhancements



2025 Priorities

- Parallel use of Web HSQE with Enterprise
- Standalone Web HSQE
- MOC/ CAR Effectiveness Check
- Lessons Learned
- Data Consistency – HSQE Document Statuses
- Deferral and Approval of Compliance Documents based on Document Type
- DMS Enhancements





How many points did you get?

Use the NSUC app leaderboard to check your score and keep participating throughout the conference for a chance to win prizes (and bragging rights)!

#NSUC24

THANK YOU

#NSUC24



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