

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

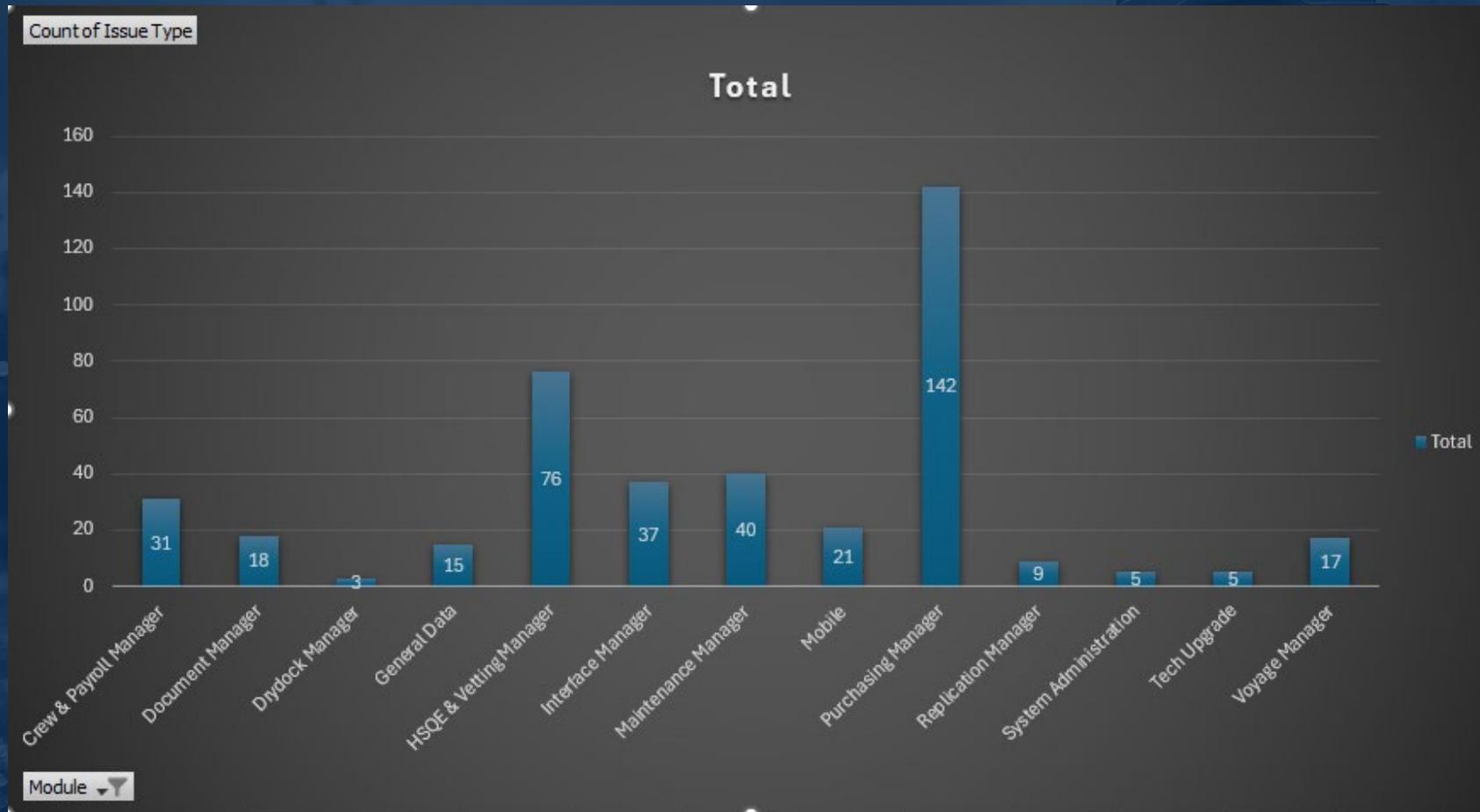
11:45 – 12:30

Delivered Since Last User Conference



ABS WAVESIGHT™

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

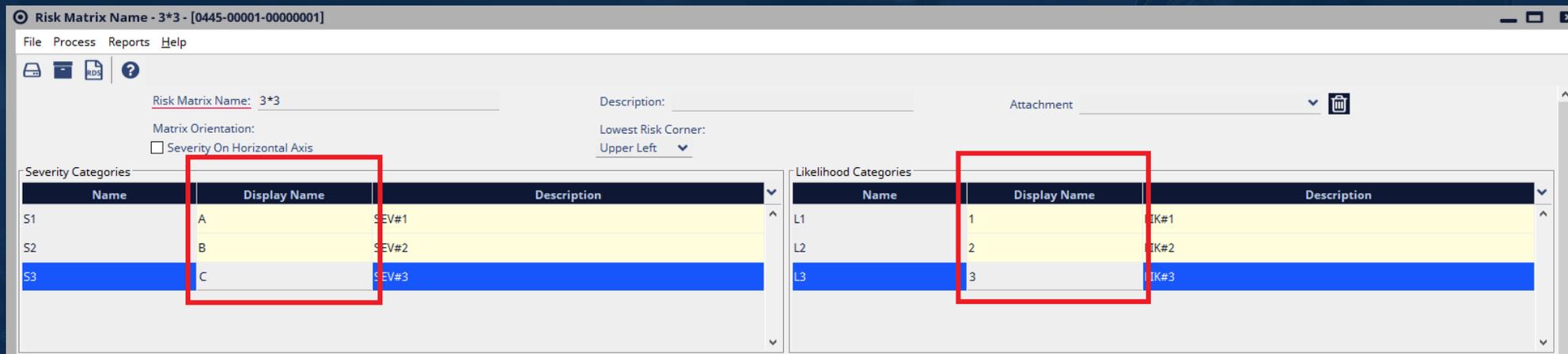
- New features such as “Cancel” has been added to all Compliance Documents
- All compliance reports have been reformatted to better present the questionnaire information
- Searches have been enhanced with additional data points
- Notification settings have been made more granular, allowing configuration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



The screenshot shows a software window titled "Risk Matrix Name - 3*3 - [0445-00001-00000001]". It features a menu bar with "File", "Process", "Reports", and "Help". Below the menu bar, there are input fields for "Risk Matrix Name: 3*3", "Description:", and "Attachment:". There are also options for "Matrix Orientation:" and "Lowest Risk Corner: Upper Left". A checkbox labeled "Severity On Horizontal Axis" is present. The main area contains two tables: "Severity Categories" and "Likelihood Categories". Both tables have columns for "Name", "Display Name", and "Description".

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							
		SEVERITY	1 Insignificant	2 Minor	3 Moderate	4 Major	5 Catastrophic
CONSEQUENCES	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

RAM Analysis



Quality & Compliance Incident - TESTING INCIDENT REPORT WITH CAR CHECK WH - [0802-00001-00000015]

File Process Reports Help

*Required Fields Current Status +Required Fields Next Status [View Process Map](#)

Created **Reported** Reviewed Investigated CAPA Verified Closed

Incident No.: 0000002 Title: TESTING INCIDENT REPORT WITH CAR CHECK WH

Type: NEAR MISS Fleet: Category: Flag State Notified?

Ship: MV NORTHERN BAY Ship Team: IMO No: Class Notified?

Location: Voyage: Doc Owner: superuser, superuser 3rd Party Notified?

At Sea In Port Reported By: superuser, superuser D&A Testing Required?

City, Country: Notified Customer: Fatality

Lat: Questionnaire: Log-booked Date: 06/21/2024

Time: 17:52

Event Date: 06/14/2024

Time: : Closed:

CARS WO's/SR's Requisitions Safety Observation File Attachments Message DMS Link Status Location/Spill Custom Forms Purchasing Docs Equipment/Space/Structure Technical Defect Confidential Notes **Risk Assessment**

Actual Severity

Hazard Category	Severity	Description	Ris...
ASSET			
ENVIRONMENT			
PEOPLE			

Potential Scenario

Hazard Category	Severity	Likelihood	Ris...
ASSET			
ENVIRONMENT			
PEOPLE			

Status

Entered By	Acted By	Date Time
Reported By		
Supervisor		
Reviewed by		

Impact Analysis

Potential Scenario

Management of Change Deferral

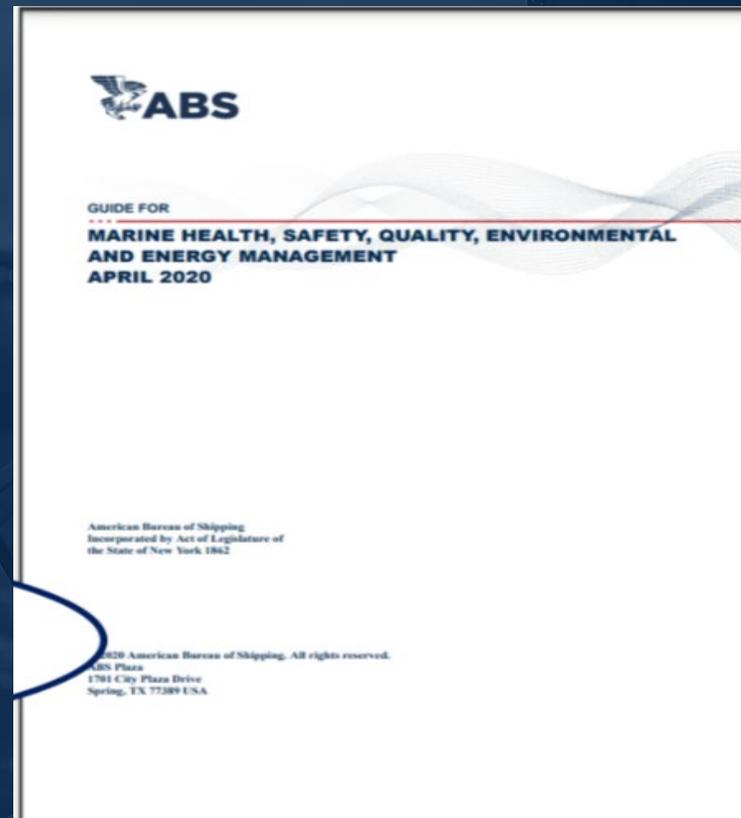
MOC Deferral has been enhanced to meet the TMSA guidelines

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

Approved Implemented Verified Completed Closed

Title: MOC FOR MAINTENANCE CRITICAL EQUIPMENT

Category: superuser

Change Owner: superuser, superuser

Competency:

Replacement in Kind:

Questionnaire:

Implementation Strategy: Global By Ship

Risk Assessment Required
 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
-----------	---------	-------	--------	-------------

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.

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

Authorization Profile

File Tools Help

Description

Q- Search...

- Accounts - Management
- All Features
- Buyer
 - Buyer Level 1
 - Buyer Level 2
 - Buyer Level 3
 - Buyer Level 4
- Cadet
- Chief Engineer
 - Chief Engineer - Advanced
 - Chief Engineer - Temporary
- Chief Officer
 - Chief Officer - Advanced
 - Chief Officer - Temporary
- Crewing - Accounts
 - Crewing - AccountsManager
 - Crewing - Admin
 - Crewing - Clerical
 - Crewing - Contracts
 - Crewing - Data entry

General Data
 HSQE
 Audit

- Create Audit based on Audit Type
 - B2B Navigation (B2BNAV)
 - Client Inspection
 - External - ISM
 - External - ISPS
 - External - MLC Intermediate
 - External - Navigation
 - Internal - ISM
 - Internal - ISPS
 - Internal - Navigation
 - Internal - Vessel Audit
 - NS Ship Audit
 - Office Crew Agency
 - PMS audit reports review
 - Port State Control
 - Ship Safety Inspection
 - Ship Safety Inspection 24
 - Superintendent's Inspections
 - Vessel Audits (HSEQV)
- View Audit based on Audit Type
 - B2B Navigation (B2BNAV)
 - Client Inspection
 - External - ISM
 - External - ISPS
 - External - MLC Intermediate
 - External - Navigation
 - Internal - ISM
 - Internal - ISPS
 - Internal - Navigation

Description: Common

Authorization Profile

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- Chief Officer
 - Chief Officer - Advanced
 - Chief Officer - Temporary
- Crewing - Accounts
 - Crewing - AccountsManager
 - Crewing - Admin
 - Crewing - Clerical
 - Crewing - Contracts

Create IMD based on Type

- Abandon Ship
- Bomb Threat
- Bridge Equipment
- Briefing - Ballast Water
- Briefing - Onboard
- Briefing BridgeManagement
- Business Integrity
- Cargo Shifting
- Collision
- Contingency
- Drill
- Drill - Parametric Rolling
- Drill - Fire&Abandon Ship
- Elevator Escape
- External
- Fire
- GMOSS TESTS
- Grounding
- Helicopter Ops
- ISPS
- Injury
- Inspection
- Inspection Safety Officer
- Inspection Superintendent
- M/E Failure
- Man Overboard
- Master's Review SMS SF555
- Meeting
- Meeting - Health & Safety
- Meeting - Management
- Monthly Report - C/E
- Monthly Report - C/O

Description: Add Inspection/Meeting/Drill File Attachments

Authorization Profile

File Tools Help

Description

Q- Search...

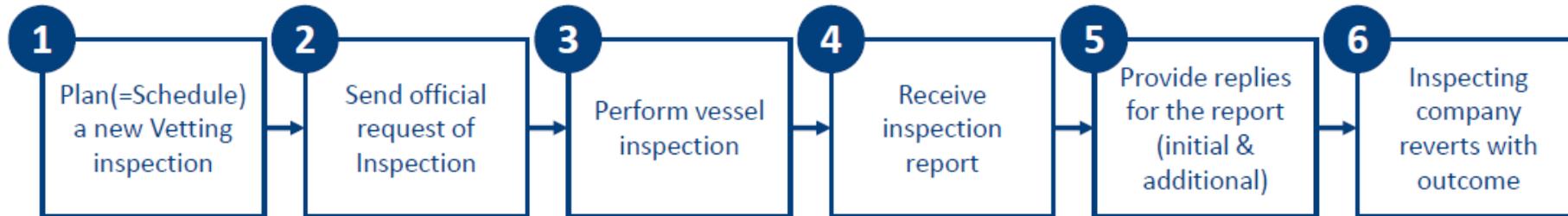
- Accounts - Management
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- Chief Officer
 - Chief Officer - Advanced
 - Chief Officer - Temporary
- Crewing - Accounts
 - Crewing - AccountsManager
 - Crewing - Admin
 - Crewing - Clerical
 - Crewing - Contracts

View Incident based on Incident Type

- Accident
- Accident***Collision
- Accident***Grounding
- Good Catch
- Illness
- Illness***Crew
- Illness***Other
- Incident
- Incident***Collision
- Incident***Equipment
- Incident***Explosion
- Incident***Flooding
- Incident***Grounding
- Incident***Spills
- Injury
- Injury***Crew
- Injury***Third Party
- Near Miss
- Near Miss***Asset Damage
- Near Miss***Collision
- Near Miss***Illness / Health
- Near Miss***Personal Injury
- Near Miss***Security
- PS Detention
- PS Detention***Environmental Factor
- PS Detention***Health Reasons
- PS Detention***Quality Defects
- PS Detention***Safety Reasons
- PS Detention***Security Reasons
- Resource failure
- Spill
- Sull***Bunkers

Description: Common

SIRE 2.0



Vetting Document - New

File Process Reports Help

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

Inspected >> Replied >> Completed >> Closed

View Process Map

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

Scheduled: 08/26/2024 📅

Inspection Date: _____ 📅

Report Received: _____ 📅

Reply By Date: _____ 📅

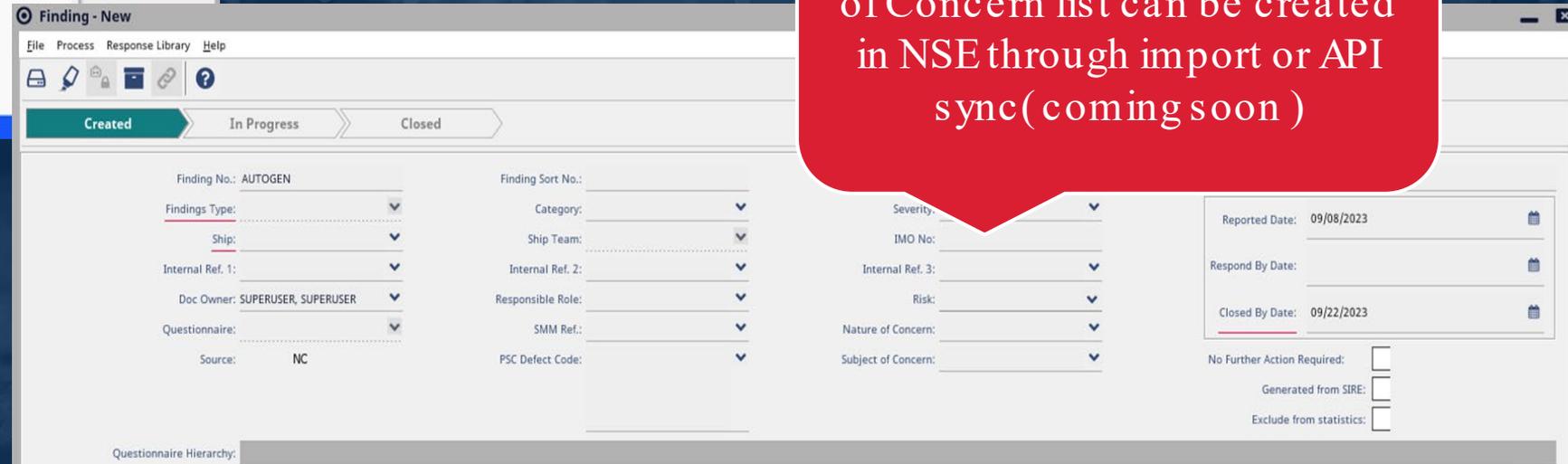
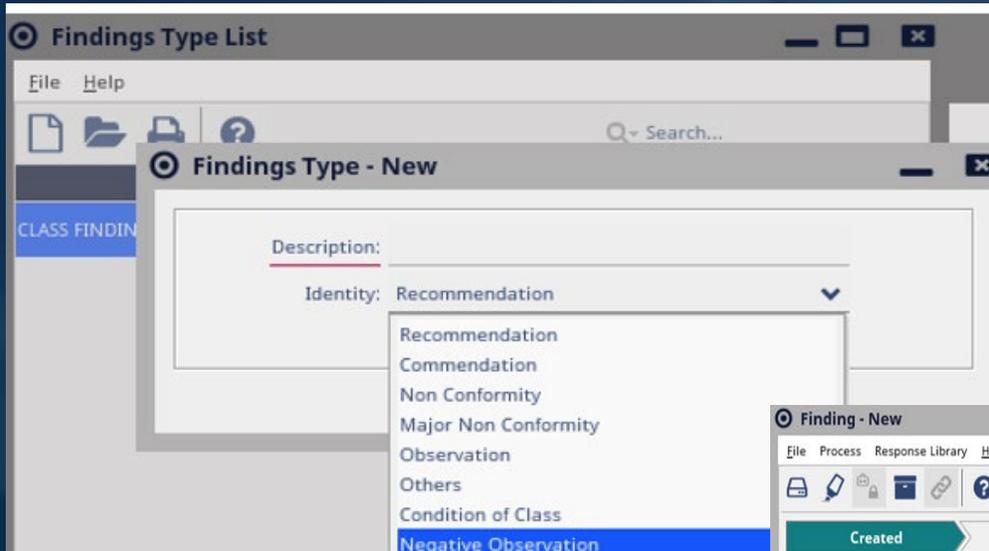
RP Complete Date: _____ 📅

Completed Date: _____ 📅

SIRE Expiry Date: _____ 📅

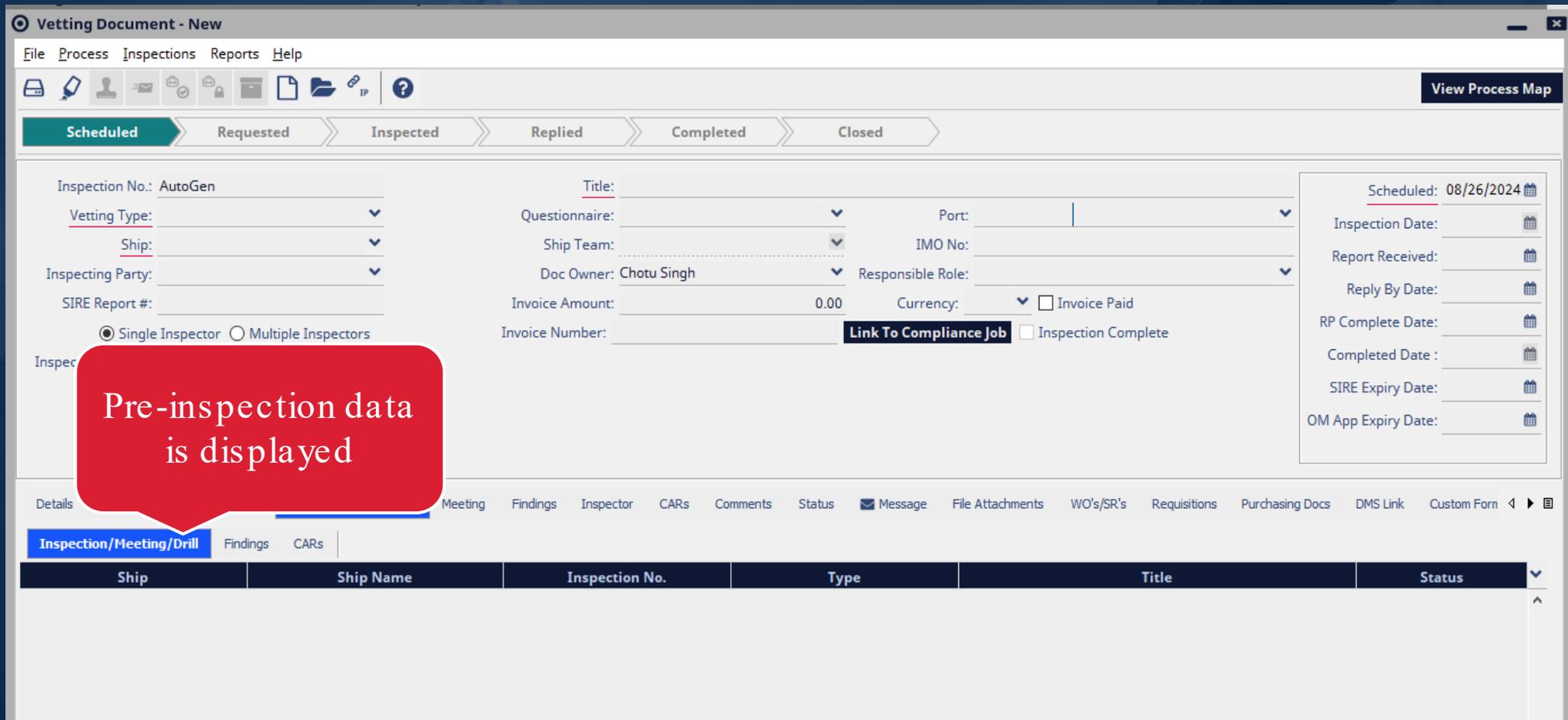
OM App Expiry Date: _____ 📅

SIRE 2.0



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

Scheduled Requested Inspected Replied Completed Closed

View Process Map

Inspection No.: AutoGen
 Title: _____
 Vetting Type: _____
 Questionnaire: _____
 Ship: _____
 Ship Team: _____
 Inspecting Party: _____
 Doc Owner: Chotu Singh
 SIRE Report #: _____
 Invoice Amount: 0.00
 Currency: _____
 Invoice Number: _____

Port: _____
 IMO No: _____
 Responsible Role: _____
 Invoice Paid
 Inspection Complete

[Link To Compliance Job](#)

Single Inspector Multiple Inspectors

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

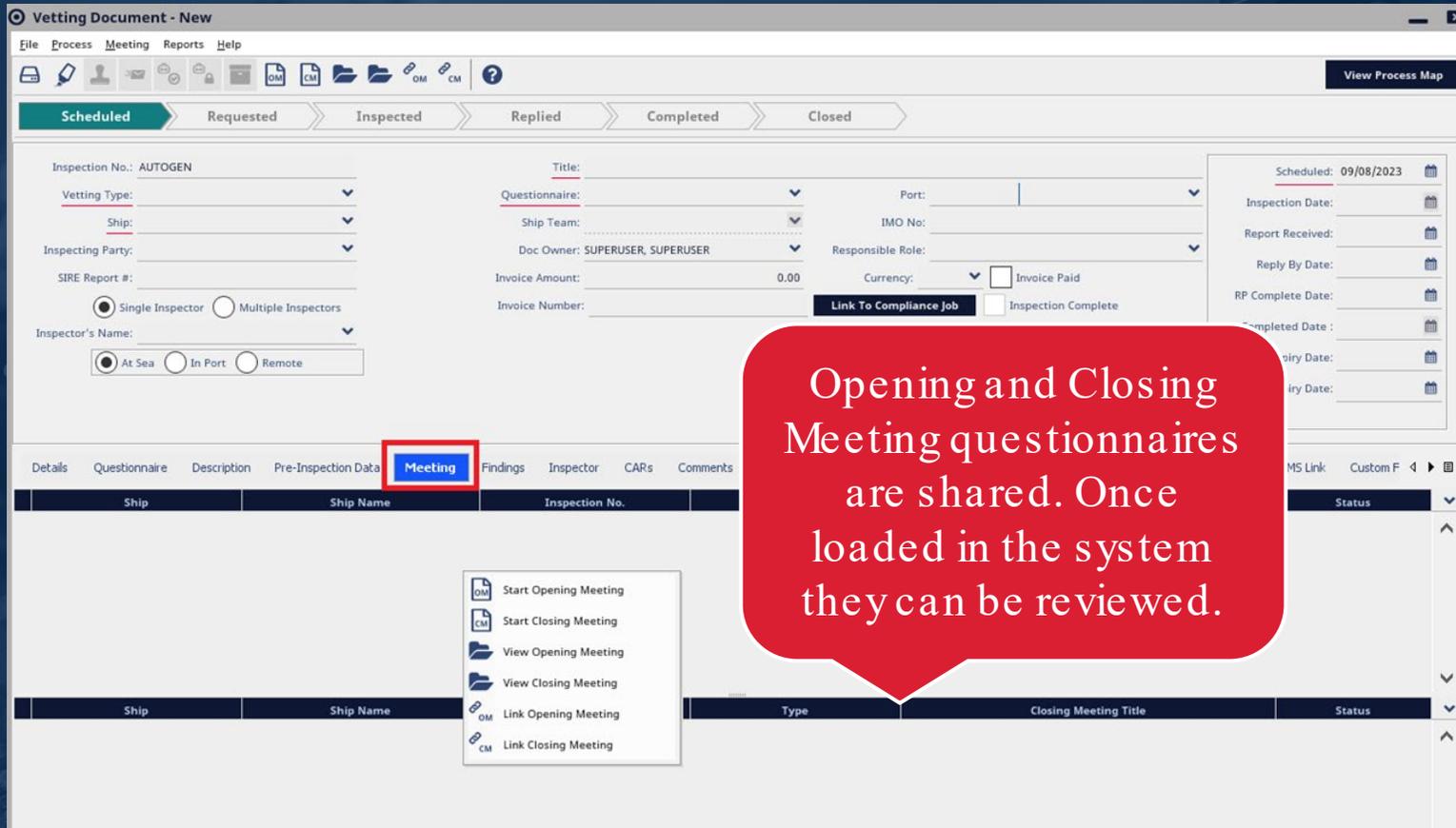
Details Meeting Findings Inspector CARs Comments Status Message File Attachments WO's/SR's Requisitions Purchasing Docs DMS Link Custom Form

Inspection/Meeting/Drill Findings CARs

Ship	Ship Name	Inspection No.	Type	Title	Status

Pre-inspection data
is displayed

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:

Priority Date:

Priority Date:

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

Ship Ship Name Inspection No. Status

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

Opening and Closing Meeting questionnaires are shared. Once loaded in the system they can be reviewed.

DMS Replication Status

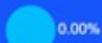
ABS Nautical Systems Document Management System

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

Search: Go [Advanced Search](#)

My Documents

(1 of 1) 25 Columns

Document Name	Type	Status	Author	Owner	Last Modified	Appr. Require	Appr. Status	Revision	Status	Published	Version	Last Publish Date	Document Links	Document Category	Replication Status
0_Central upload_Auto-refresh			Tapale Vaisha	Tapale Vaisha	07/15/2024	No			Unread	Yes	1.0	07/15/2024			 0.00%
00_Doc.01_Auto-refresh			Tapale Vaisha	Tapale Vaisha	07/15/2024	No			Unread	Yes	1.0	07/15/2024			 100.00%
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 Check In Check Out Lock Unlock Publish Delete Move Re Dump Add To Favorite

(1 of 1) 1 25 Columns

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

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DMS Replication Status

NS - Enterprise Version 6.5.33 - Central

ABS Nautical Systems Welcome, Vaishali (Fleet)

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

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

Missing Documents Mismatched Documents Sync

Name	Abbr.	Document Name	Document Path	Central Version	Site Version	Status
		02_Missing_Embarkation Record	Documents/Test 03_cen to vessel/02_Missing_Embarkation Record	1.0		Missing
		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
Vessel	VSL	Missing Test_US_36070_test scenarios	Documents/Test 01/Missing Test_US_36070_test scenarios	1.0		Missing
Office	OFC	Missing Testing 01_Seaman Type List	Documents/Test 02/Missing Testing 01_Seaman Type List	1.0		Missing
Shipboard 02	SH2	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

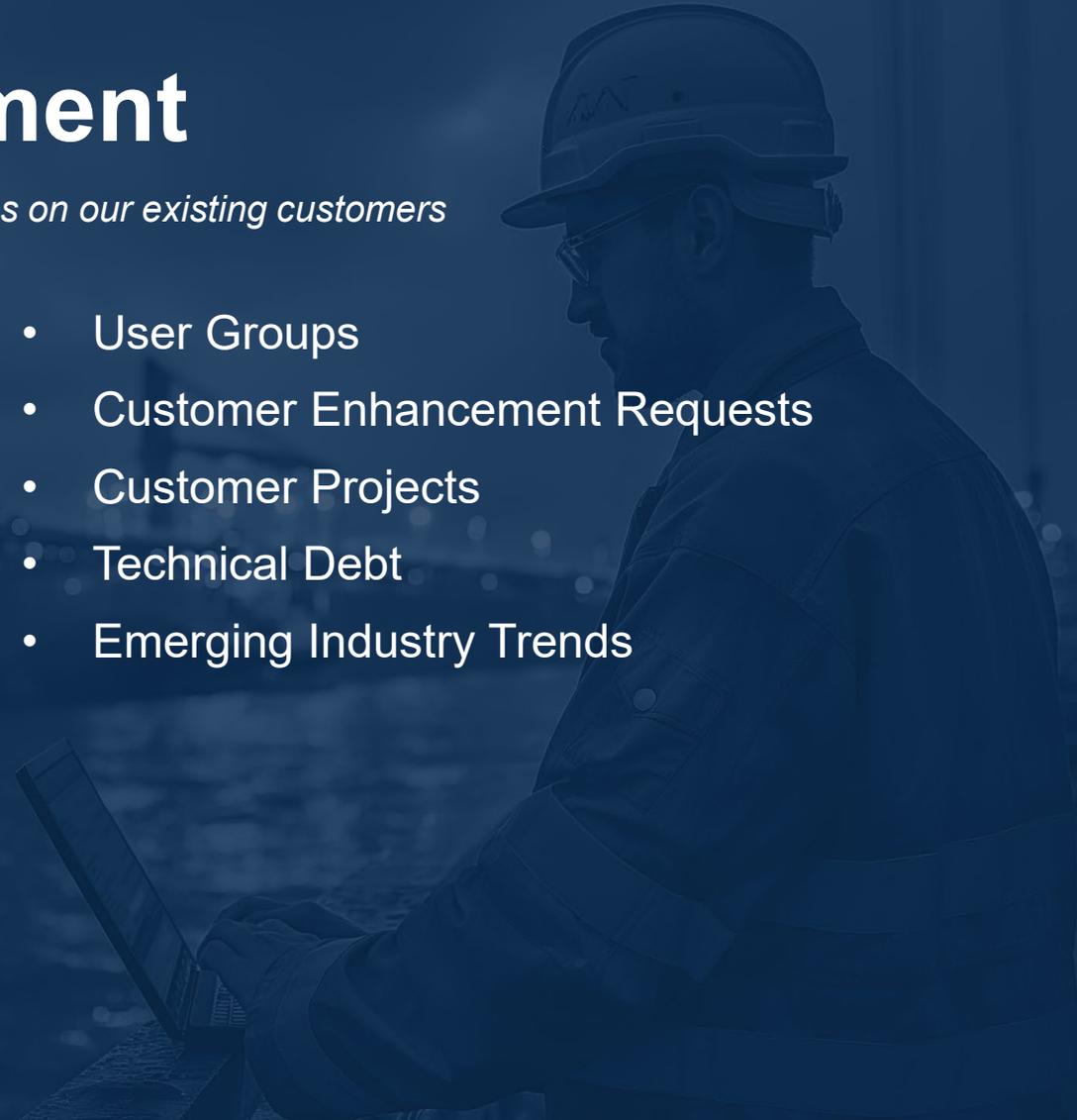
Compliance Roadmap



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

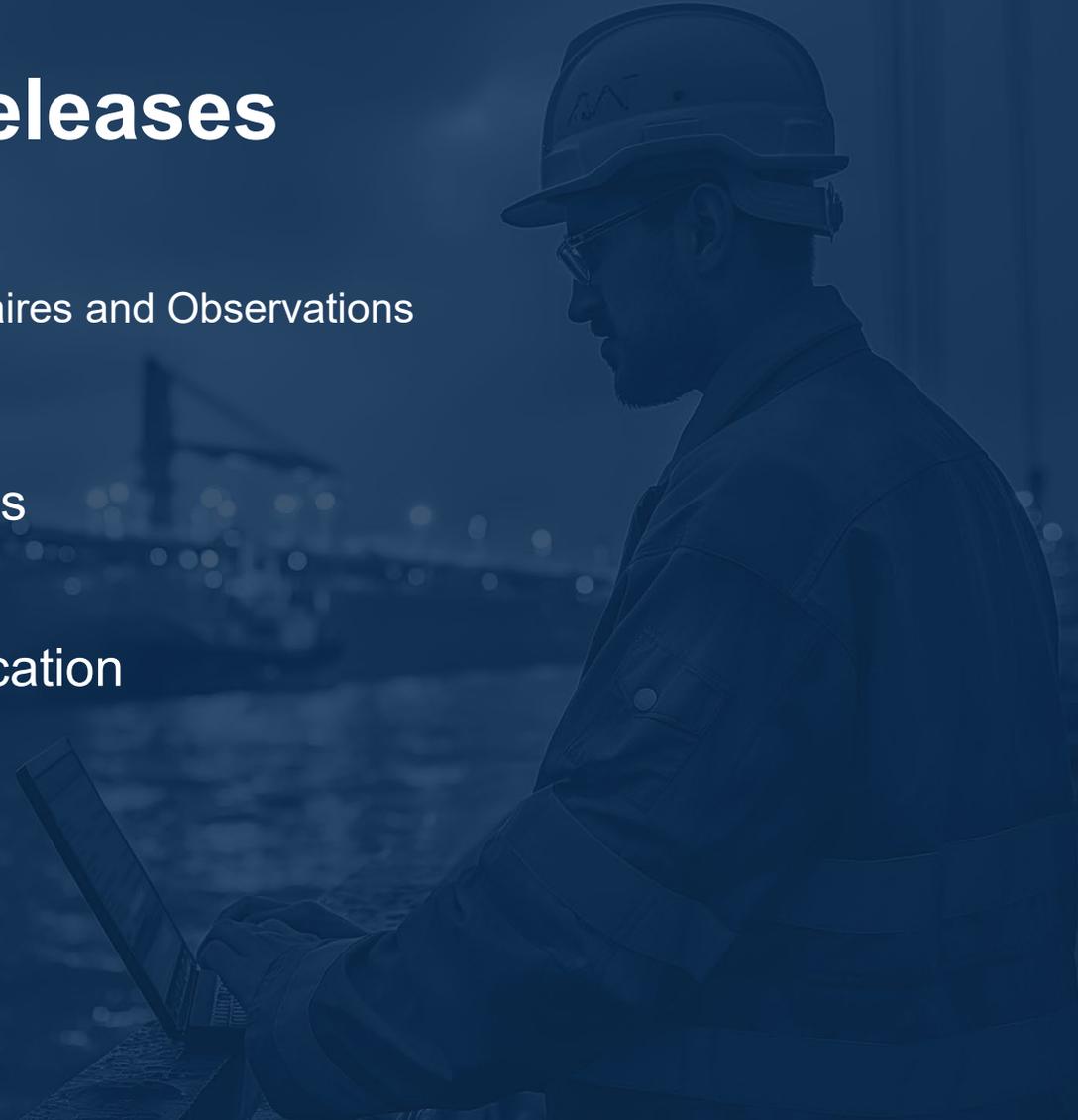
The following information is being shared to outline some of our current product plans, but like everything else in life, even the best laid plans can change. We are hopeful that the following can shed some light on our roadmap, but it is important to understand that it is being shared for **INFORMATIONAL 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.

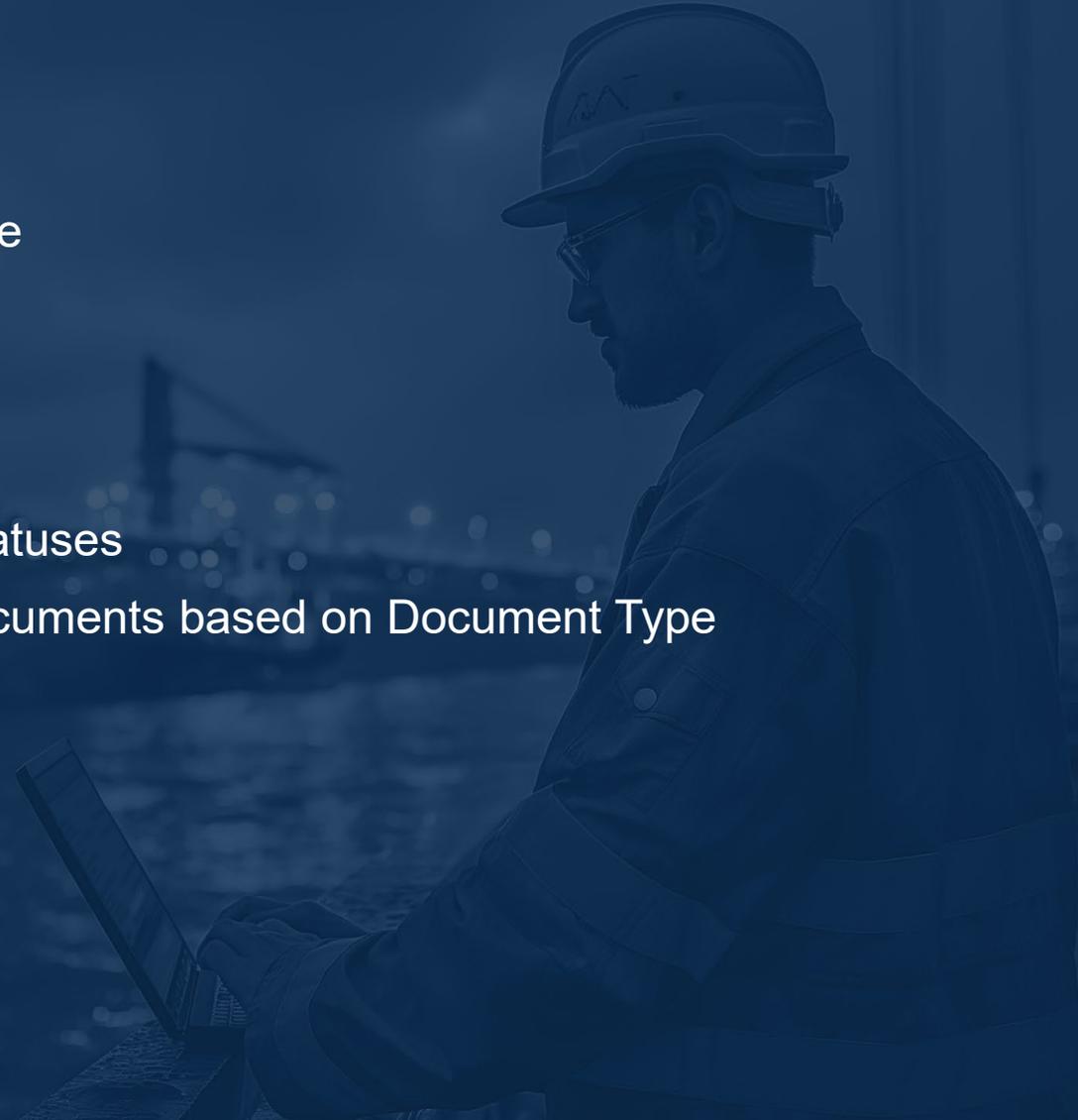
Near Term – next two releases

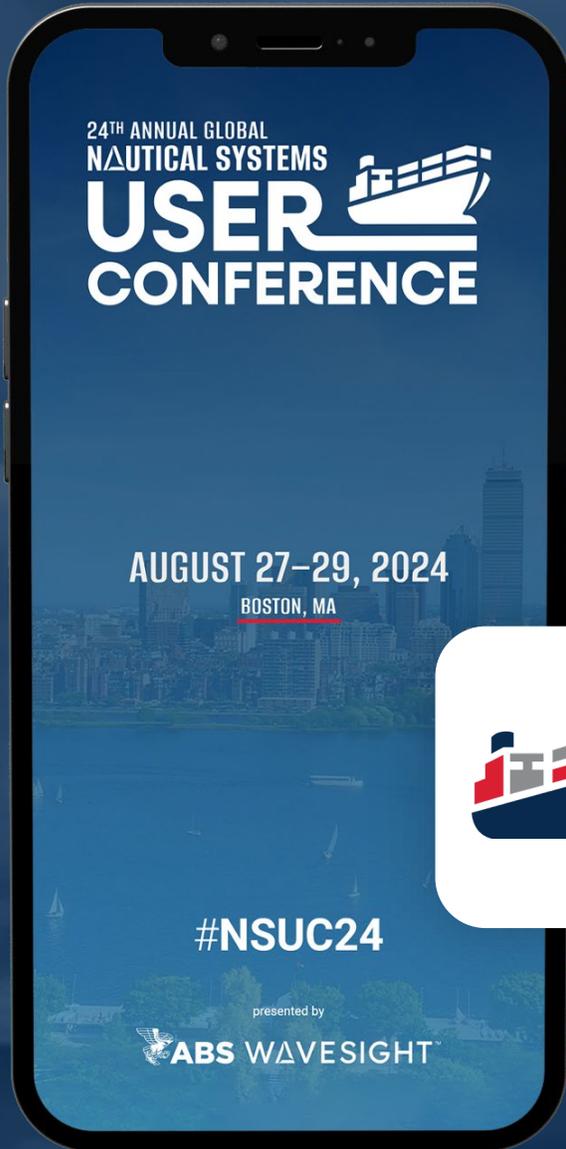
- SIRE 20. Support
 - JSON/ API Integration for Questionnaires and Observations
 - Questionnaire Enhancements
 - Answer Template Imports/ Exports
- CRWH Analysis of nonconformances
- CWRH Manila Exceptions
- Time and date storage across application
- DMS Fixes and Enhancements



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





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AUGUST 27-29, 2024
BOSTON, MA

#NSUC24

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ABS WAVESIGHT



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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