

24TH ANNUAL GLOBAL
NAUTICAL SYSTEMS

USER 
CONFERENCE

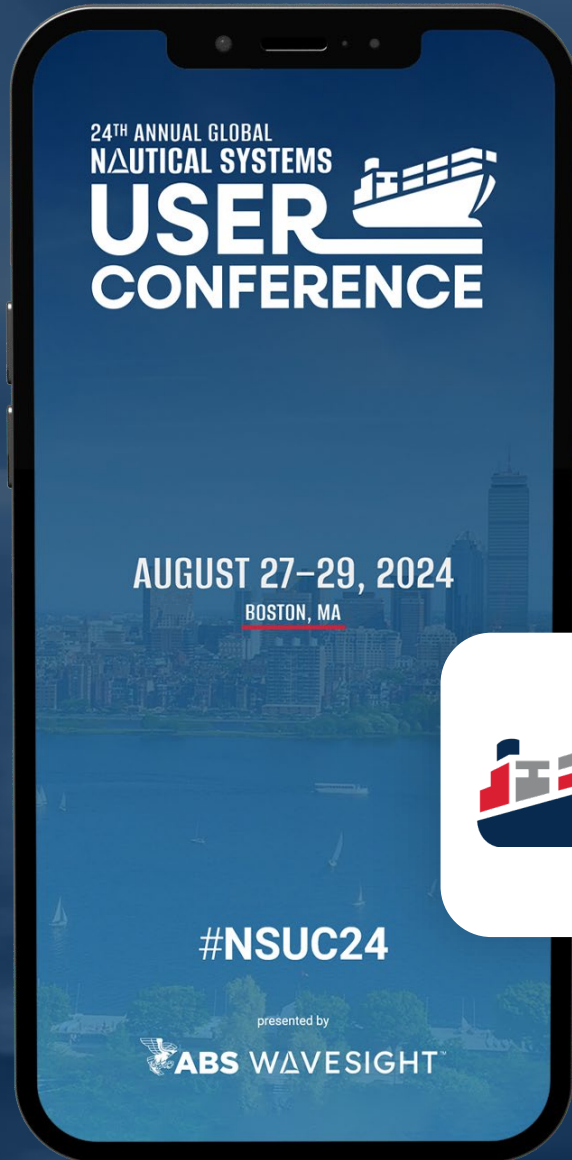
System Admin & Replication Focused

Antonios Panagiotis Theofanopoulos

9/12/2024

Presented by





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



Antonios Panagiotis Theofanopoulos

Manager, Professional Services

Antonios is leading the technical aspects of the PS Team, he manages the consulting team in America. He has 24+ year of experience in the software and maritime industry.

Admin & Replication Focused

New Sys Admin Features

13:30 – 13:45

Replication

13:45 – 14:05

Sys Admin Tools & Resources

14:05 – 14:30

Configuration Tips

14:30 – 14:50

Q & A

14:50 – 15:00



New System Admin Features



ABS WAVESIGHT™

New Features

Default Retention Time for Outbox	30
Default Retention Time for Inbox	30

User Id: ADMIN

Auth Profile: I -Database Administrator ▼

Change Password

Change Signature PIN

Authentication Mode: ▼

Domain Name:

☐ User must change password at next logon

☐ Account Locked

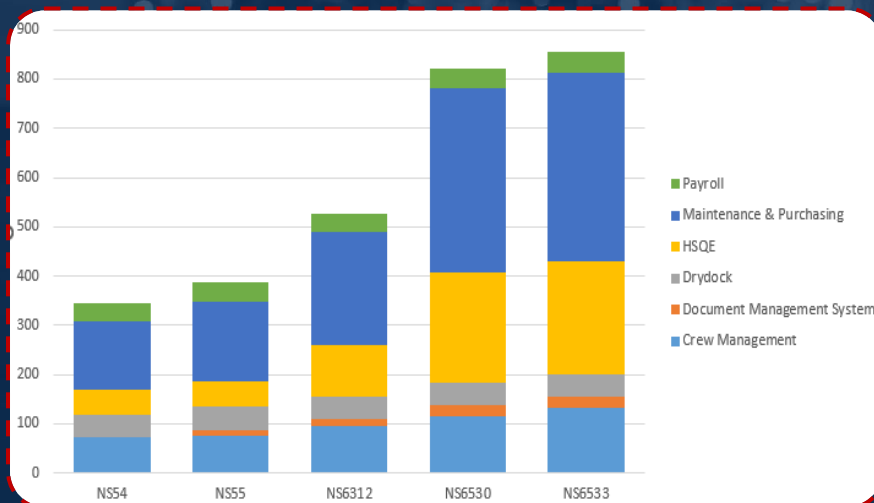
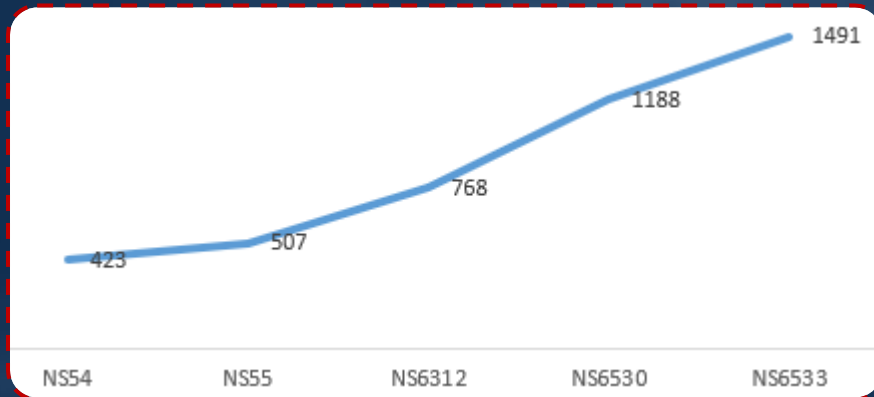
☒ System User

Default Retention Time for Inbox and Outbox

System User Feature

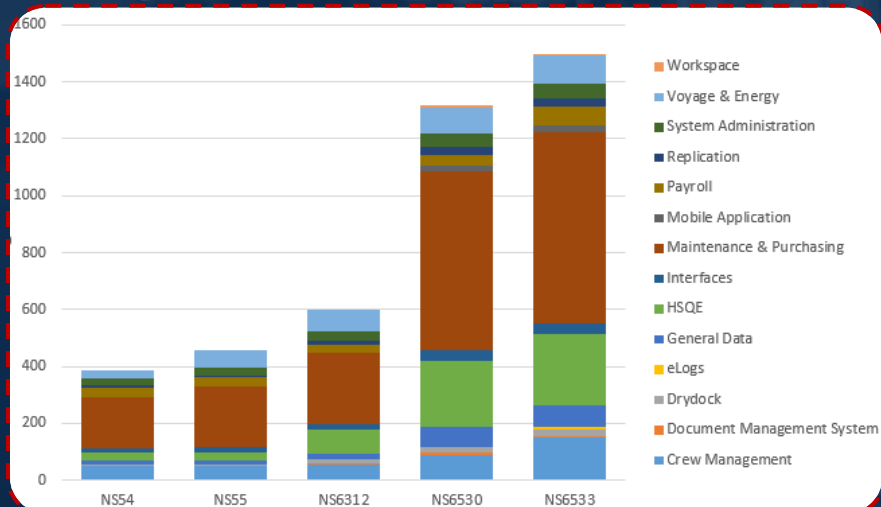
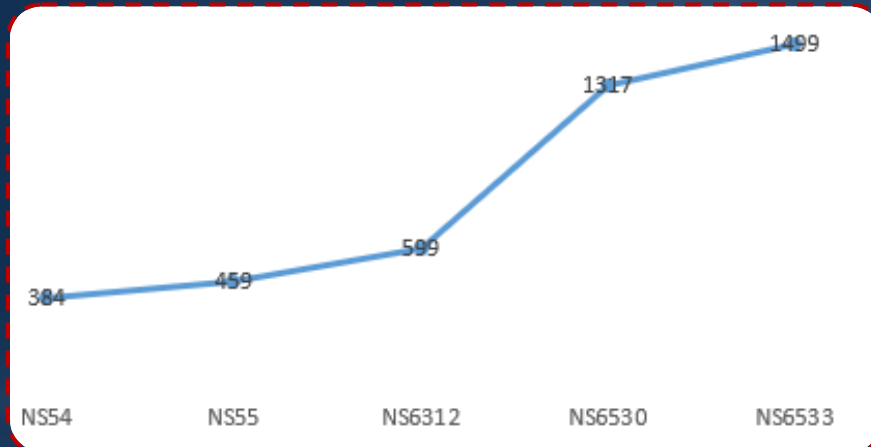
DMS Document Status Gadget (6.5.33.1)

DMS Sync Functionality



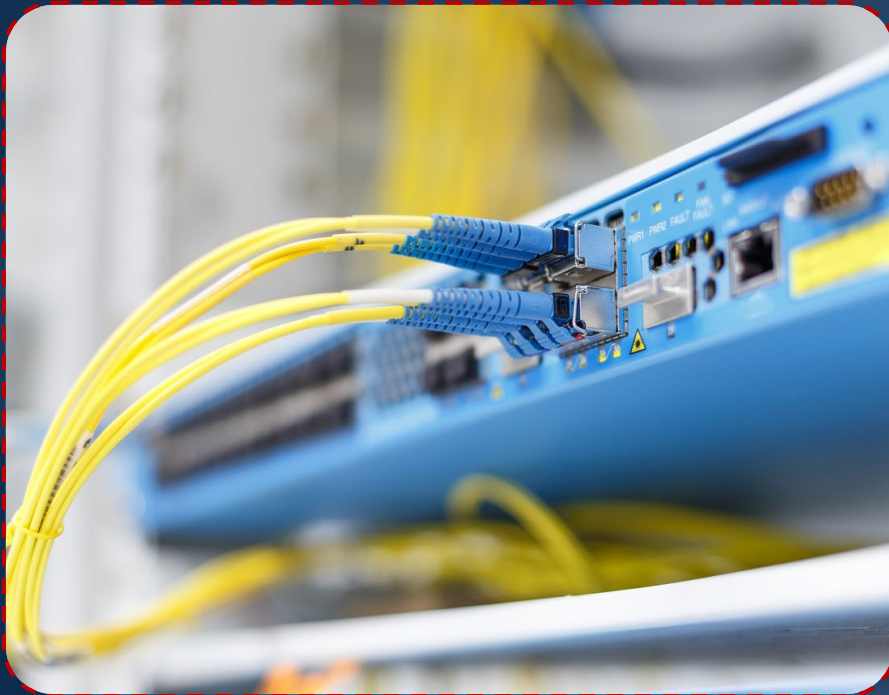
New Authorizations

- Overall
- Maintenance and Purchasing
- Crew Management
- HSQE
- DMS



New System Preferences

- Overall
- Maintenance and Purchasing
- Crew Management
- HSQE
- DMS



Technology Upgrade

- CouchDB (3.3.3)
- MySQL (V.8.0.36)
- MariaDB (V 11.4.2)
- Tomcat (9.0.86)
- Mobile
 - Ionic 7.8.1
 - Angular 16.2.12

Bookmarks

Introduction

Release Highlights

About ABS Wavesight™

Browser Considerations

Technology Upgrade

New Features and Enhancements

System Administration

Mobile Apps

Angular Upgrade

Purchase Order & Invoices Notification

List the Scheduled SIs & WOs under My Tasks of NS Vessel

Rich Text Editor Fixes

Bug Fixes

Crew and Payroll Manager

HSQE and Vetting Manager

Maintenance and Purchasing Manager

Voyager Manager

Document Manager

System Administration

Mobile Apps

Known Issue

Document Manager

Try the new, more intuitive Acrobat before transitioning seamlessly to this experience soon. [Learn more](#)

Try it now

New Features and Enhancements

Refer to this section for a list of new features and enhancements included in this release.

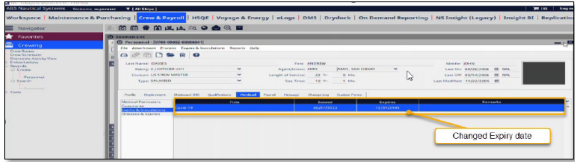
Crew and Payroll Manager

The following updates have been made to the *Crew and Payroll Manager* module. Access this module by selecting the **Crew and Payroll** tab from the top menu.

Entering Medical Records Without an Expiration Date

Medical records can now be entered without an expiration date; this is especially helpful when entering one-time vaccination details for seamen.


For reference, refer to ticket number: **ABS-003809**



Entering Graduation Dates

From the **Personnel—Profile** tab, updates have been made to accommodate any **Graduation** year to be entered. Previously, users could only enter a year between 1950-2025.

For reference, refer to ticket number: **ABS-009749**



Comprehensive Release Notes

Latest releases include comprehensive release notes

Requirements: Server Software

Operating System

- Windows Server 2016 Datacenter (64Bit)
Tested on V 10.0.0.14393 Build 14393
- Windows Server 2019 Standard (64Bit)
Tested on V 10.0.0.17763 Build 7763
- Windows Server 2022 Datacenter Azure
Edition
Tested on V 21H2 Build 20348.2527

Database Server

- MSSQL Server 2016 (V 13.0.7029.3)
- MSSQL Server 2017 (V 14.0.3465.1)
- MSSQL Server 2019 (V 15.0.4375.4)
- MySQL (V 8.0.36)
- MariaDB (V 11.4.2)
- Tomcat (9.0.86)
- CouchDB (3.3.3)

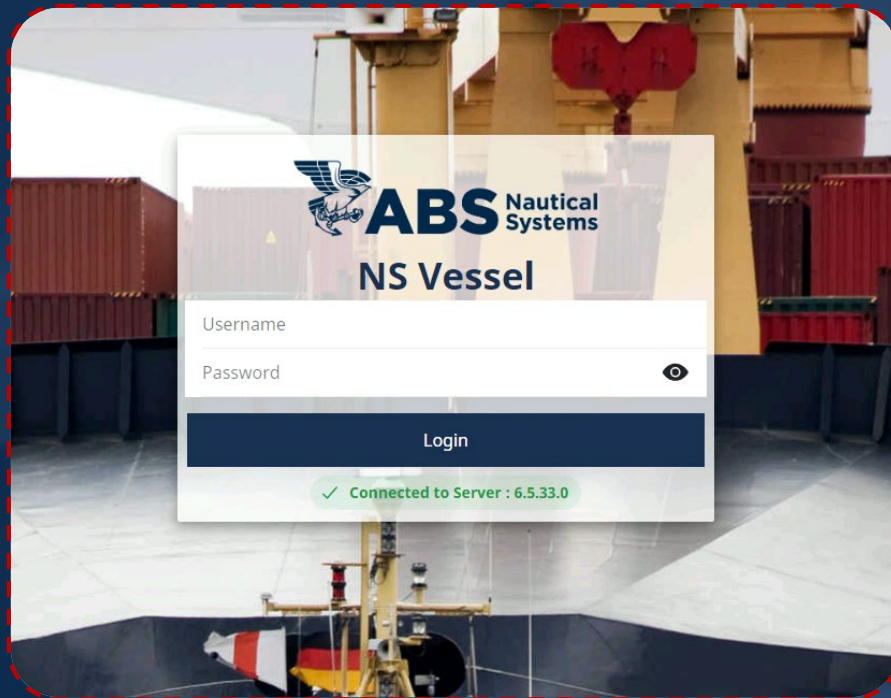
Requirements: Client Software

Operating System

- Windows 10 Enterprise (64Bit)
Tested on V 22H2 Build 19045.3930
- Windows 11 Enterprise (64Bit)
Tested on V 23 H2 Build 22631.3737

Browser

- Chrome 126
Tested on V 126.0.6478.127 (Official Build) (64-bit)
- Edge 126
Tested on V 126.0.2592.68 (Official Build) (64-bit)
- Firefox
Tested on V 65.0.1 – only applies to eLogs



NS Mobile

- Android 12 to Android 14.0
Tested on android version 13
- iOS 17+
Tested on iOS version 17

Installer Type	Installation[6.5.32]	6.5.33.zip [Tomcat & Couch]	6.5.33-MariaDB.zip [Tomcat, Couch and Maria]	6.5.33-MySQL.zip [Tomcat, Couch and MySQL]
MySQL	MySQL	Y	N	Y
MySQL	MSSQL	Y	N	N
Default[Maria]	Maria	Y	Y	N
Default[Maria]	MSSQL	Y	N	N

Component	Source Version	Target Version
MariaDB	10.4.14	11.4.2
MySQL	5.7.38	8.0.36
Tomcat	8.5.77	9.0.86
CouchDB	2.1.0	3.3.3

Technical Upgrade

Technical Upgrade of MySQL/Maria, CouchDB and Tomcat:

Upgrading the version of the binaries is a significant enhancement that can improve performance, security, and compatibility with newer technologies.



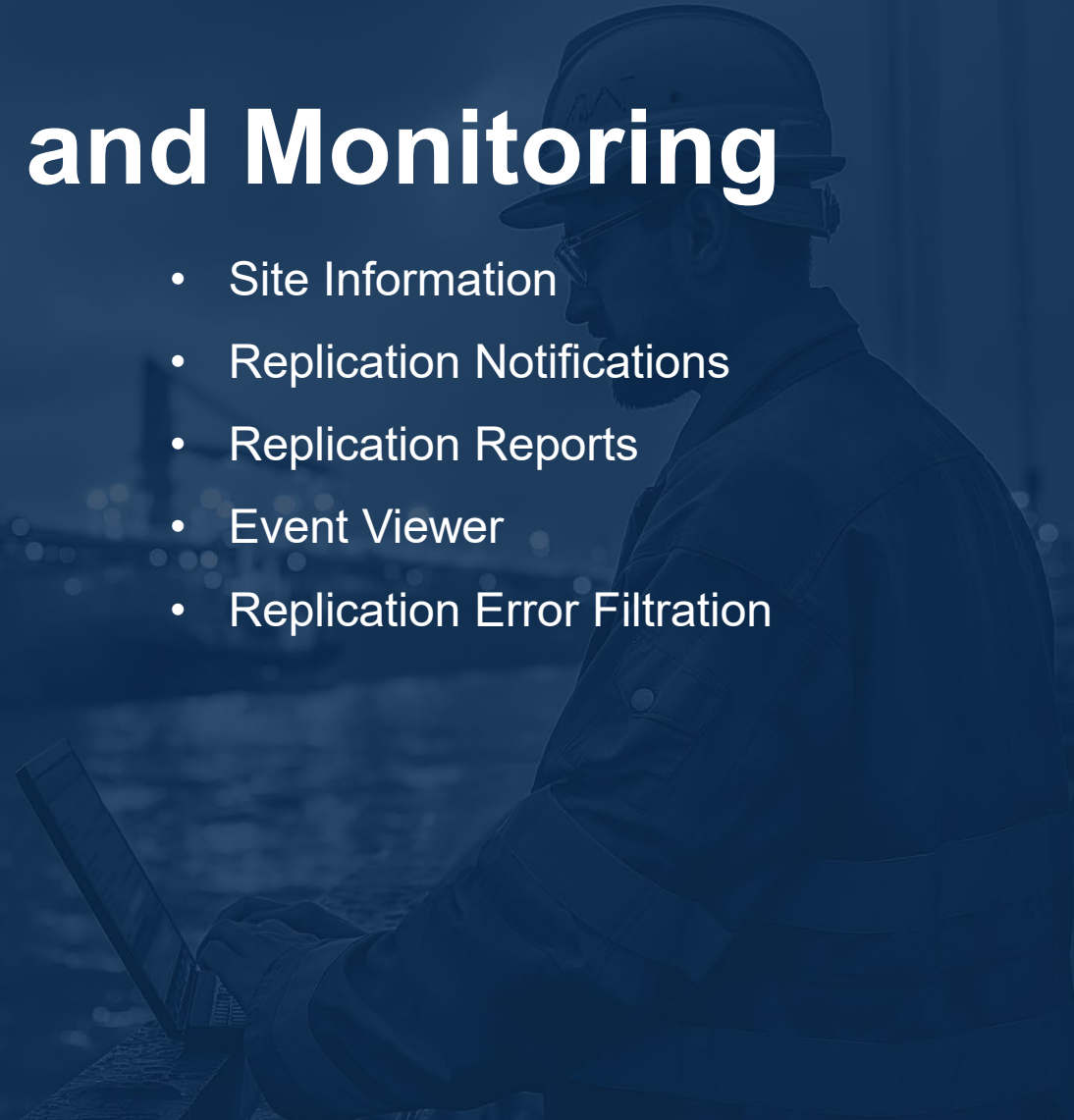
Replication



ABS WAVESIGHT™

Replication Setup and Monitoring

- Protocol Selection (email, FTP, SFTP, Generic)
- Site Setup, e.g. email sizing
- Attachments
- Frequency
- Scripting (TRLPurge, SysAuditPurge, DBLogPurge)
- External File Replication for distribution and consistency of memory settings, logging levels, configuration files, Jar Fixes, etc.
- Site Information
- Replication Notifications
- Replication Reports
- Event Viewer
- Replication Error Filtration



File Attachment Restriction

☐ Maximum single file attachment size (in MB) for Replicati... 0,00 MB

☐ Total attachment file size (in MB) per Replication 0,00 MB

Email Restriction

☐ Maximum Email attachment size (in MB) for Replication 0 MB

☐ Maximum Replication Payload size limit (in MB) 0 MB

DMS Restriction

☐ Total DMS file size (in MB) per Replication 0 MB

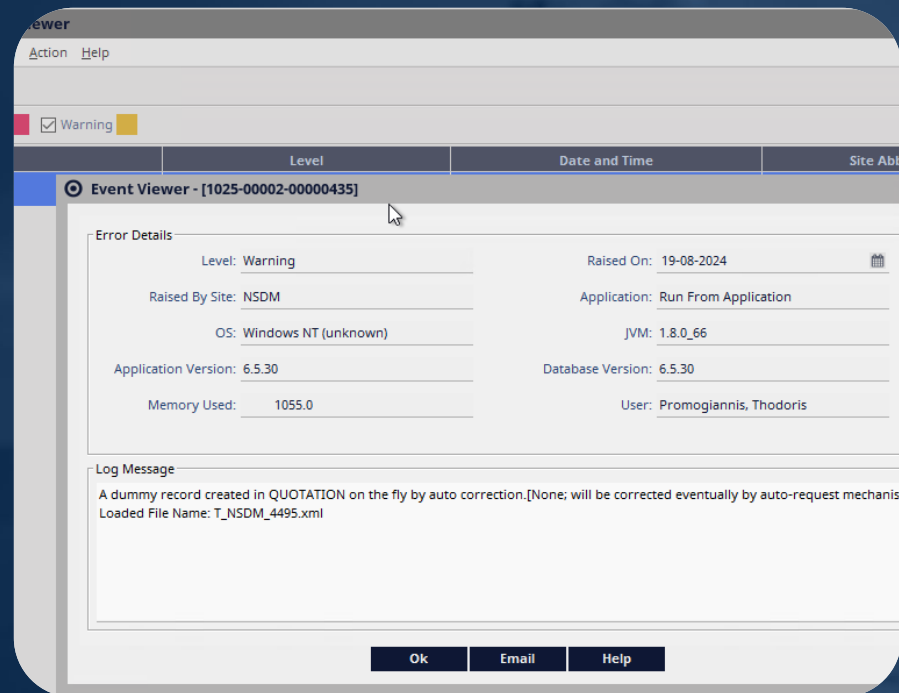
☐ Disable DMS Replication

☐ Auto Replicate Load Failed Documents

File Attachment Restriction

Issue: Files are missing because of big files size (replication protocol email pop3 smtp)

Resolution: Setup file size restrictions or email payload size restrictions.



Replication Event Viewer

Replication Event Viewer provides all issues related to replication and are being records in the replication log.

Replication Troubleshooting

- Attachment Replication Queue
- Change Load Sequence
- Import/Export Replication File for Support
- Notifications
- One Time Only Dump
- Re-Queue Transaction File
- DMS
 - Export/Import
 - Load Failed Files
 - Replication Queue
- Maintenance (Purge)
- Debug Mode via NS5Settings.exe
- Missing Attachments

Site's Information

File List Reports Help

Q Search...

☒ ☒ ☒ ☒ Non Replicating Sites

Name	Abbr	Replication Enabled	DMS Replication Enabled	DMS Replication Status
USS Enterprise	USSE	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
USS Voyager	USSV	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Deep Space 9	DS9	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Deep Space 7	DS7	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Deep Space 5	DS5	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Farpoint Station	FPS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
USS Liberty	USSL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
USS Atlas	USSA	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
USS Challenger	USSC	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
USS Gibraltar	USSG	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
USS Olympic	USSO	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
USS Nobel	USSN	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
USS Saladin	USSS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Deep Space 26	DS26	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Site's DMS Replication Status

File Tag Help

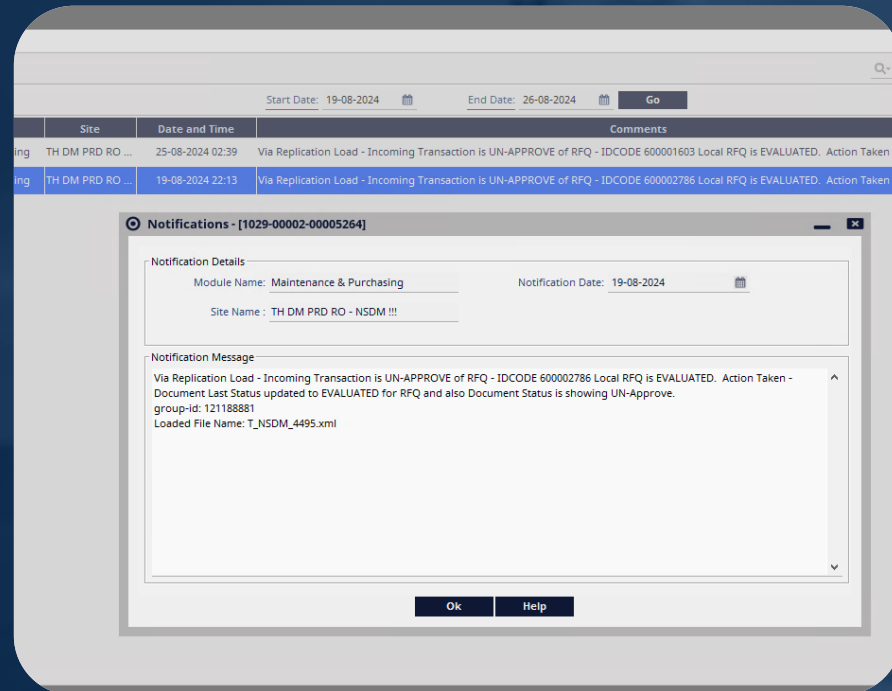
Q Search...

☐ Missing Documents ☐ Mismatched Documents

Document Name	Document Path	Origin Version	Target Version	Status
2022-04-05 11_00_09-NS - Enterprise Version 6...	Documents/NS Training/2022-04-05 11_00_09-NS - Enterprise Version 6.5.26...			In-Progress
<input type="checkbox"/> 3208_Maintenance	Documents/NS Training/3208_Maintenance			In-Progress
<input type="checkbox"/> Hierarchy	Documents/Fleet A/Drawings/Hierarchy			In-Progress
<input type="checkbox"/> Hierarchy	Documents/Fleet B/Hierarchy	1.0		In-Progress
<input type="checkbox"/> Insights_future_osv_designs	Documents/05 Publications/Class/ABS/OSV/Insights_future_osv_designs			In-Progress
<input type="checkbox"/> Maintenance - Training 6.5	Documents/NS Training/Maintenance Manager/Maintenance - Training 6.5			In-Progress
<input type="checkbox"/> Shipboard Training	Documents/01 HSQE/MS/Shipboard Training			In-Progress
<input type="checkbox"/> stow guide	Documents/Fleet A/Safety Procedures/stow guide			In-Progress
<input type="checkbox"/> Test_Report_1313472.20	Documents/01 HSQE/Alerts/Auxiliary Test Reports/Test_Report_1313472.20			In-Progress
<input type="checkbox"/> Test_Report_1313472.20-Graph	Documents/01 HSQE/Alerts/Auxiliary Test Reports/Test_Report_1313472.20...			In-Progress
<input type="checkbox"/> Test_Report_1313472.30	Documents/01 HSQE/Alerts/Auxiliary Test Reports/Test_Report_1313472.30			In-Progress
<input type="checkbox"/> Test_Report_1313473.30	Documents/01 HSQE/Alerts/Auxiliary Test Reports/Test_Report_1313473.30			In-Progress
<input type="checkbox"/> Test_Report_1313603.20	Documents/01 HSQE/Alerts/Auxiliary Test Reports/Test_Report_1313603.20			In-Progress
<input type="checkbox"/> Test_Report_1313603.20-Graph	Documents/01 HSQE/Alerts/Auxiliary Test Reports/Test_Report_1313603.20...			In-Progress
<input type="checkbox"/> Test_Report_1315076.30	Documents/01 HSQE/Alerts/Auxiliary Test Reports/Test_Report_1315076.30			In-Progress

DMS Replication Status

User Site's Information the DMS Replication column is interactive and provides the replication status of the documents in DMS and allows the Sys Admin to manage and troubleshoot the issues from Central towards all other sites.



Replication Notifications

Replication Notifications are providing information on replication issues that have been identified by the system and addressed.

Replication Files and Scripting

Management of folder
(Replication, Log, etc.)

- Conserve Diskspace

Database Backups and Disaster Recovery

- Database Replication

Scripting in PowerShell vs cmd
to be continued





Sys Admin Tools & Resources



Sys Admin Tools

TxnRelogger transfers data missing on vessel or site.

Use TxnRelogger utility for replication.

Setup the xml file containing what needs to be queued

Run TxnRelogger.exe sample-transaction-relog.xml

NS5Settings.exe allows to configure essentials for NSE without having to go through a series of configuration files.

- Notepad++ for text, scripts and xml
- WinMerge for configuration comparison
- Greenshot, Screenshot Tool
- DBeaver for database queries
- SFTP/FTP Tool

Samples Folder

Interfaces

- Import/Export Samples
- Import/Export xsd
- Import/Export json

Replication –Transport PowerShell scripts
for replication validation

Excel Import Samples

NSMobile CouchDB Utilities

DBCredentialsEncrypter.exe

Sample properties files for the latest patch

Tools for issues' fixes



Other Folders

Folder META-INF

- db.properties, ns5-default-db-access.dbp, server.properties

Folder META-INF\external

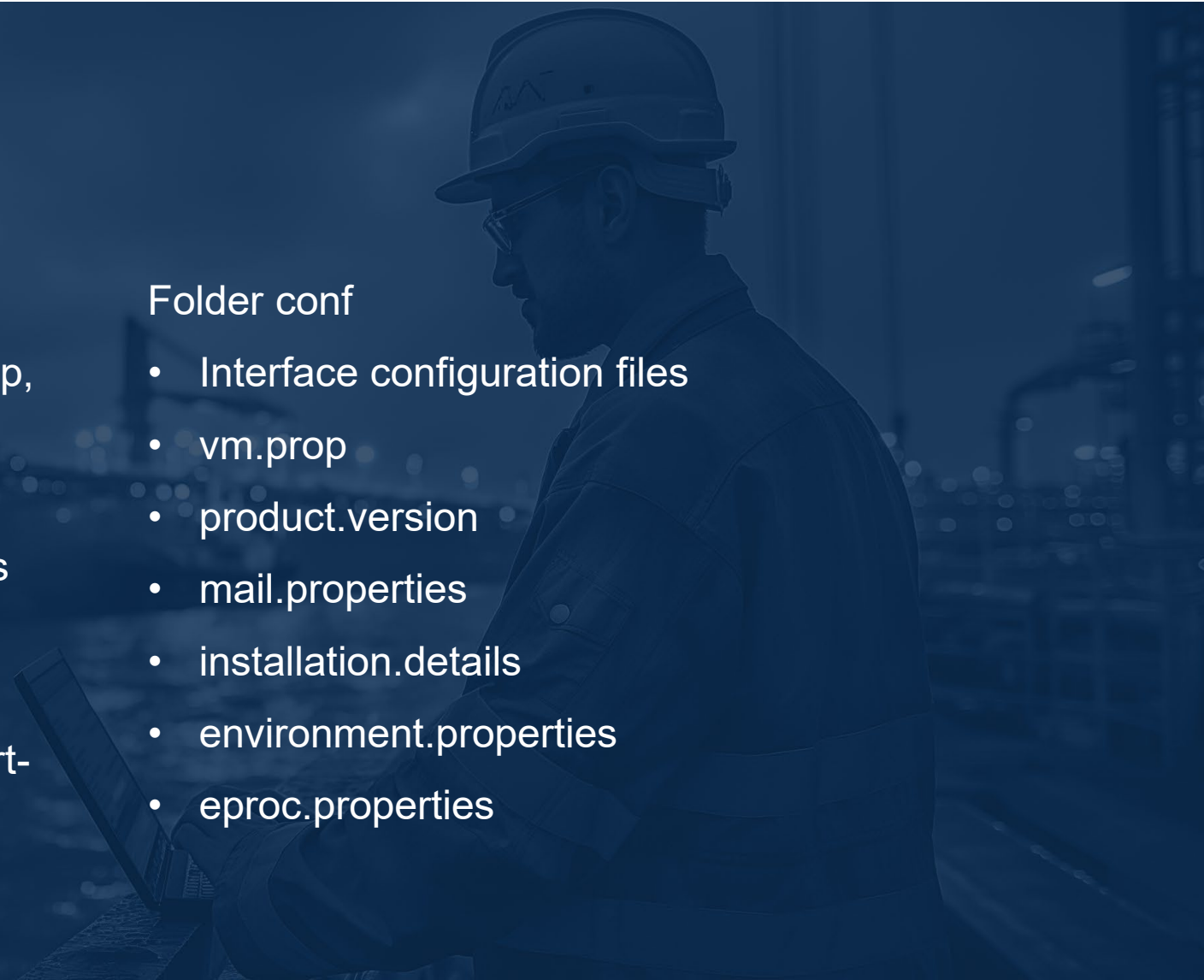
- Import File Template (Basic), Formatters
xsl

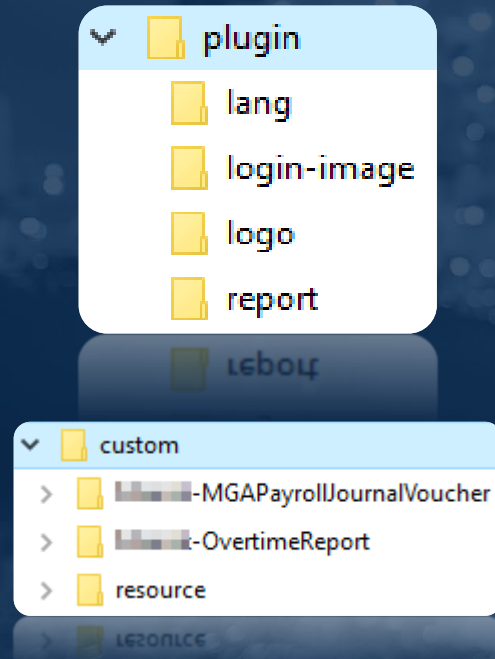
Folder META-INF\lang\en

- captions.res, error_messages.res, report-definition.xml

Folder conf

- Interface configuration files
- vm.prop
- product.version
- mail.properties
- installation.details
- environment.properties
- eproc.properties





Custom Folders

Plugin Folder

- Caption Customizations
- Login Image Folder
- Logo Folder
- Customized Standard Report

Custom

Replication and Recalculation Scripting

Overnight

- Backup Database
- Purge (Sys Audit, Transaction Log, Messages)
- ABS Integration, Q88
- Replication Retrieve, Load, Dump, Deliver
- PM Recalculation
- CJ Recalculation
- Backup Database

Overday

- Replication Retrieve, Load, Dump, Deliver

Interface Execution

- Master Data Interfaces (on Central)
- Module Data Interfaces (on end user office)

Interface Scripting

Master Data Interfaces (on Central)

- Asset Management
- Accounts, Projects, Budget
- Currency Exchange
- Claims
- ABS Integration, Q88
- Crewing

Module Data Interfaces (on end user office)

- A/P, Accruals, Invoices
- Purchasing
- eProcurement
- Freight Forwarder
- Travel Request
- Inventory
- CM

Configuration Tips



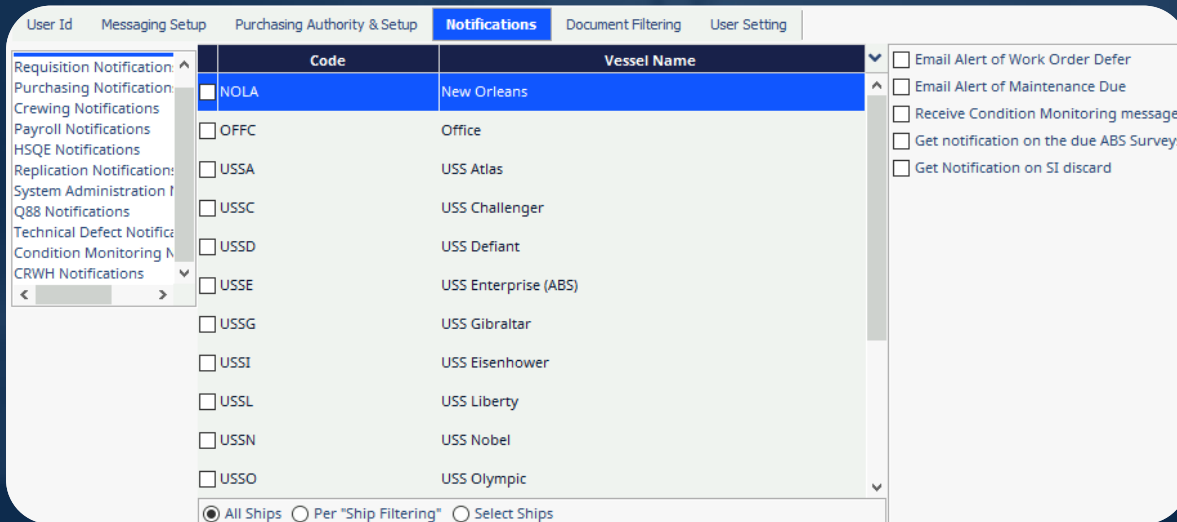
Authorization Profiles & Sys Pref

Check, verify and update

- Validate Profiles in use and hide profiles not in use
- Export Authorization Excel and validate with the Business Process Owners the access rights and identify improvements
- Update the profiles respectively in Training
- Test
- Apply in Production

Check, verify and update

- Work through Business Process Owners on the current configuration and explain the functionality and identify improvements
- Update the sys pref respectively in Training
- Test
- Apply in Production



Code	Vessel Name
<input checked="" type="checkbox"/> NOLA	New Orleans
<input type="checkbox"/> OFFC	Office
<input type="checkbox"/> USSA	USS Atlas
<input type="checkbox"/> USSC	USS Challenger
<input type="checkbox"/> USSD	USS Defiant
<input type="checkbox"/> USSE	USS Enterprise (ABS)
<input type="checkbox"/> USSG	USS Gibraltar
<input type="checkbox"/> USSI	USS Eisenhower
<input type="checkbox"/> USSL	USS Liberty
<input type="checkbox"/> USSN	USS Nobel
<input type="checkbox"/> USSO	USS Olympic

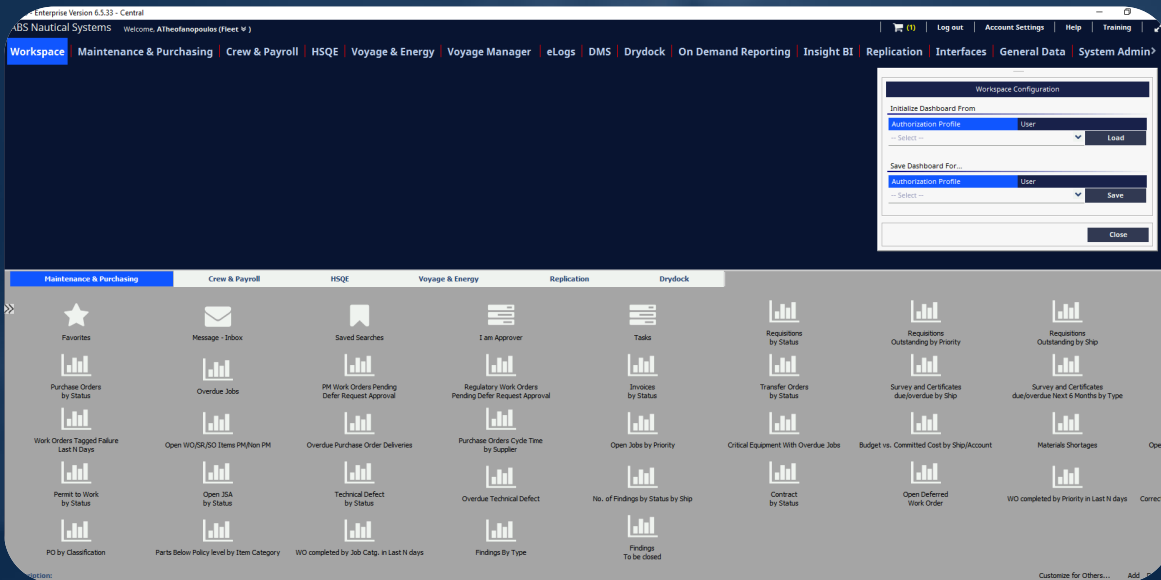
☐ Email Alert of Work Order Defer
☐ Email Alert of Maintenance Due
☐ Receive Condition Monitoring message
☐ Get notification on the due ABS Surveys
☐ Get Notification on SI discard

☒ All Ships ☐ Per "Ship Filtering" ☐ Select Ships

User Settings

Check, verify and update

- Validate users' messaging, notifications, purchasing authorizations, document filtering, user settings
- Validate with the Business Process Owners the users' settings and identify improvements
- Update the users respectively in Training
- Test
- Apply in Production



Workspace

Check, verify and update

- Validate workspace per profile with the Business Process Owners and identify improvements
- Organize and apply standard workspaces per profile on Workspace
- Update the workspace respectively in Training
- Test
- Apply in Production



Saved Searches

Check, verify and update

- Validate searches per profile with the Business Process Owners and identify improvements
- Organize and apply standard searches per profile
- Update the saved searches respectively in Training
- Test
- Apply in Production

Vessel Configuration Setup

Help

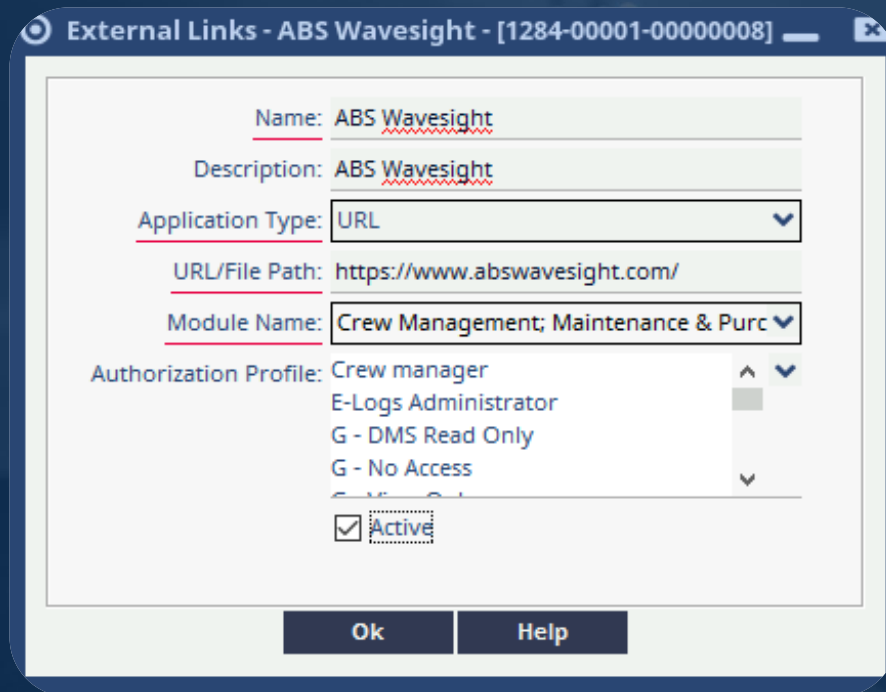
Please note going forward the assigned counter entry site will be only responsible for adding counters for the selected vessel. Vessels running in lower versions will not have any restrictions.

Vessel Counter Entry Site Configuration	Job Conversion
Vessel Name	Counter Entry Site
S Enterprise (ABS)	
S Voyager	USS Voyager
S Defiant	
S Excalibur	
S Challenger	USS Challenger
S Liberty	
S Atlas	
S Gibraltar	
S Olympic	
S Nobel	
Warehouse	
Office	

Vessel Configuration

Discuss with the Business Owners and improve Maintenance features

- Counter Entry Site
- Job Conversion (Automation)



External Links - ABS Wavesight - [1284-00001-00000008]

Name: ABS Wavesight

Description: ABS Wavesight

Application Type: URL

URL/File Path: https://www.abswavesight.com/

Module Name: Crew Management; Maintenance & Purc

Authorization Profile: Crew manager

E-Logs Administrator

G - DMS Read Only

G - No Access

☒ Active

Ok Help

External Links

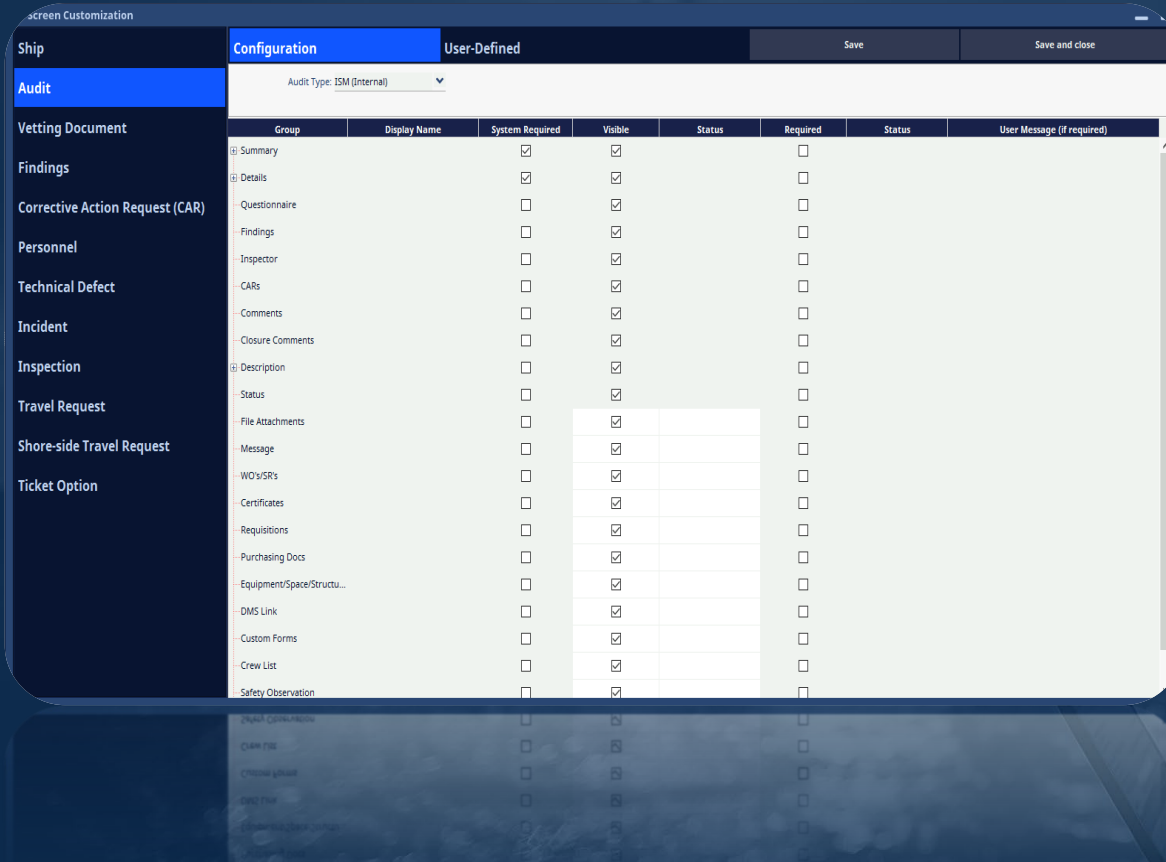
Utilize External Links for the below

- Allow users to open sites, applications, documents, etc. from within a module
- Allow advanced users like accounting to trigger interface scripts from the UI

Customize Screens/Forms

Screen customization allows the customization of

- only the User-defined tab for the Ship Record
- by Type and Document Status the documents Audit, Incident and IMD
- Simply the fields without status for the documents and records Vetting, Findings, CAR, Personnel, Technical Defect, Travel Request, Shore-side Travel Request, Ticket Option



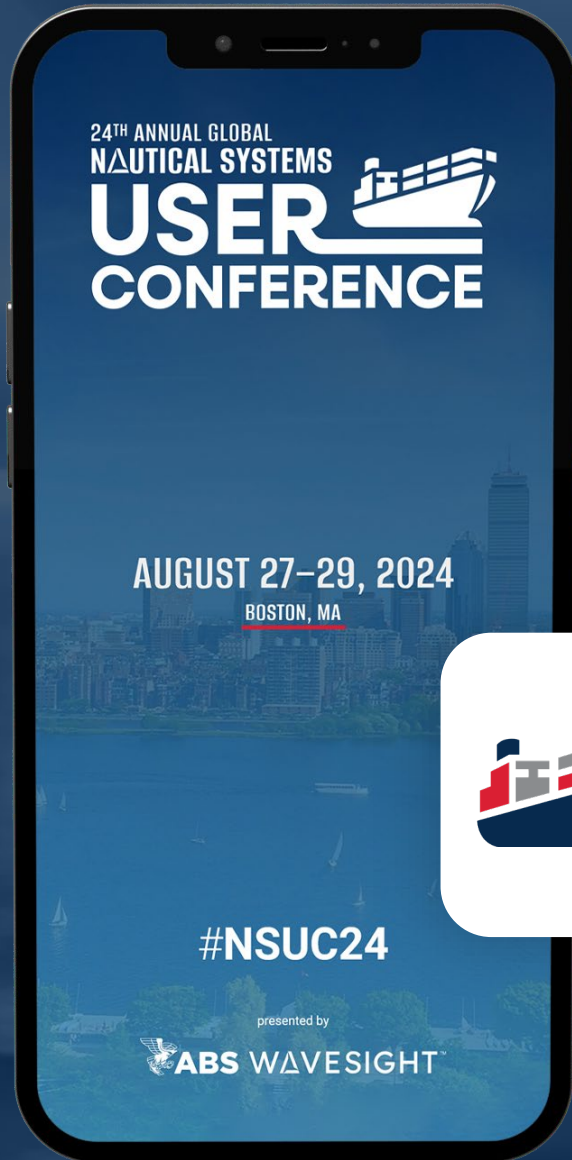
Group	Display Name	System Required	Visible	Status	Required	Status	User Message (if required)
Summary		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>		
Details		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>		
Questionnaire		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>		
Findings		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>		
Inspector		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>		
CARs		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>		
Comments		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>		
Closure Comments		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>		
Description		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>		
Status		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>		
File Attachments		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>		
Message		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>		
WO's/SRs		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>		
Certificates		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>		
Requisitions		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>		
Purchasing Docs		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>		
Equipment/Space/Struc...		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>		
DMS Link		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>		
Custom Forms		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>		
Crew List		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>		
Safety Observation		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>		



Q & A



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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