



Presented by





System Administration Managing NS

Antonios Theofanopoulos

11/7/2023

Presented by





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Antonios Panagiotis Theofanopoulos

Manager, Professional Services

Antonios Theofanopoulos is Professional Services Manager at ABS Wavesight. In his role, he is managing the technical matters and team for Professional Services.

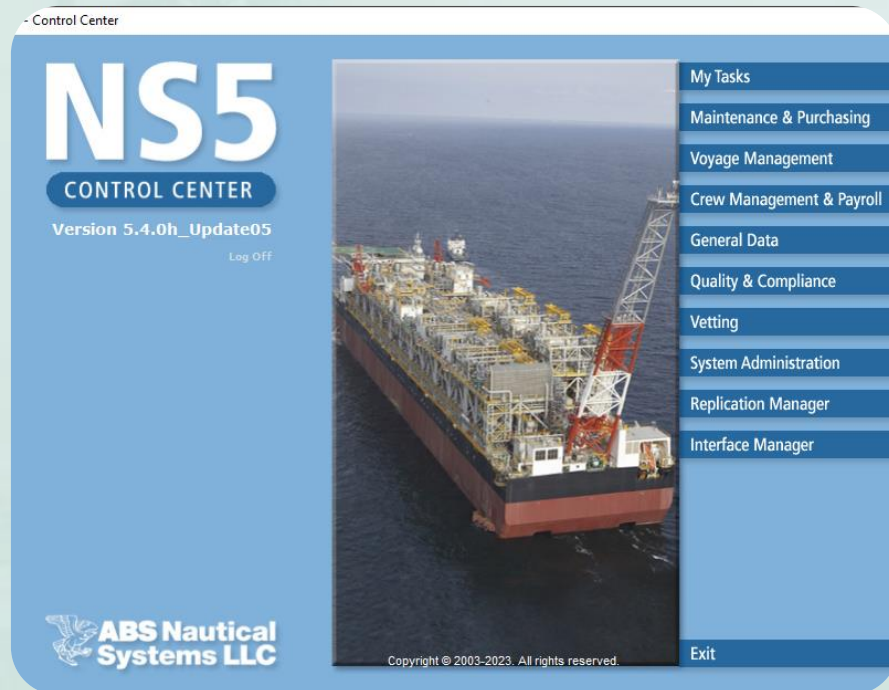
Antonios has 24+ years of experience in the software industry of which 19 in the maritime industry. Prior to joining ABS Nautical Systems, he worked with Ulysses Systems for 6 years as Global Support Manager. In 2012 he started as Senior Consultant located in ABS Piraeus office and led as Senior Consultant major projects in the EMEA region and worldwide. Since 2019 Antonios was relocated to Houston.

System Administration Agenda

Recent NS version history	13:30 – 14:00
New workflows, configuration and more	14:00 – 15:00
Interfaces and tools	15:00 – 15:30
Best practices and tools	16:00 – 15:15
Upgrade process	16:15 – 16:30
Technology stack & performance	16:30 – 17:00

Recent NS version history





NS 5.4-5.5

Install-NS5-5.4.0-GA-2009-03-03.exe

Hull Manager was introduced in NS 5.4

Install-NS5-5.5.0-GA-2011-03-10-x64.exe

32-bit and 64-bit Edition

mysql 5.0.46-enterprise-nt

DMS was introduced in NS 5.5 as module

NS5.4-5.5 System Pref & Authorization

[159] System Preferences

Description	Option	Value	Topic
Activate NS 5 Messaging System	Yes		Administration - Messaging
Messaging Restricted by Address Book	No (no Restriction)		Administration - Messaging
Replication Auto-Request Mechanism	Enabled		Administration - Replication
By default attachments should be checked for replication	No		Administration - Replication
Minimum Password Length		8	Administration - Security
Number of days after which Password expires		30	Administration - Security
No. of Previously-Used and Unavailable Passwords to Retain			Administration - Security
Username/Password Case Sensitivity	Case-Insensitive		Administration - Security
Account Lockout Logon Attempts		0	Administration - Security
Automatically unlock User Account after (in Minutes)		0	Administration - Security
Validate Qualifications when Scheduling Seaman	Validate seaman's qualification when Due On date is entered		Crewing - Embarkation
Port & Reason Required for Embarkation/Disembarkation	Not Required		Crewing - Embarkation
No. Of Future Embarkations Scheduled at Sign-Off	TWO		Crewing - Embarkation
Permit Sign-off/Sign-On Dates to overlap	No		Crewing - Embarkation
Require due off date when scheduling seaman (only requires due off ...)	Off		Crewing - Embarkation
Performance Review Required for Non-Permanently-Assigned Seamen	Not Required		Crewing - Performance Review
Additional Authorization Required for Performance Reviews of Perma...	Not Required		Crewing - Performance Review
Allow users other than the creator to modify a performance review re...	No		Crewing - Performance Review
Force Seaman name to uppercase	No		Crewing - Personnel
Auto-generation of Seaman's Payroll Number	Payroll Number automatically generated by system		Crewing - Personnel
Display SSN?	Do not Hide "Social Security Number".		Crewing - Personnel
Field title for 'Social Security Number'		SSN	Crewing - Setup
Social Security Number formatting options	XXX-XX-XXXX		Crewing - Setup
Field title for 'User1'		Drivers Lice...	Crewing - Setup
Field title for 'User2'		Internal Code	Crewing - Setup
Field title for 'User3'		test1	Crewing - Setup
Field title for 'User4'		test2	Crewing - Setup
Field title for 'User5'		test3	Crewing - Setup
Field Title for 'Seaman Documents'		ZCard	Crewing - Setup
Family/Next-of-Kin Information	USA 'Next-of-Kin' format		Crewing - Setup
Warn for seamen having no Last Name	Yes		Crewing - Setup
^\vel records autogenerated by "Left Home" / "Arrived Home	Yes		Crewing - Setup

Authorization Profile

Description	
2 / ENGINEER	<input type="checkbox"/> Common
C / OFFICER	<input checked="" type="checkbox"/> Crew Management
CHIEF ENGINEER	<input type="checkbox"/> Drawing Management
DATABASE ADMINISTRATOR	<input checked="" type="checkbox"/> Drydock
ENGINEER SUPERINTENDENT	<input checked="" type="checkbox"/> General Data
GENERAL MANAGER	<input type="checkbox"/> HIMP
MASTER	<input type="checkbox"/> Insight
PURCHASING EXECUTIVE	<input checked="" type="checkbox"/> Maintenance & Purchasing
PURCHASING MANAGER	<input checked="" type="checkbox"/> Module Access
SAFETY MANAGER	<input checked="" type="checkbox"/> Payroll
TECHNICAL EXECUTIVE	<input checked="" type="checkbox"/> Quality & Compliance
TECHNICAL SUPERINTENDANT	<input checked="" type="checkbox"/> System Administration
	<input checked="" type="checkbox"/> Vetting
	<input checked="" type="checkbox"/> Voyage Management

Description:
Common

NS5.4-5.5 User and Site Data

File Process Help

Search: By: Name

Name	Authorization Profile	User Id
ADMIN, USER	DATABASE ADMINISTRATOR	ADMIN
BEWLEY, JENNIFER	DATABASE ADMINISTRATOR	JB
HO, H.K.	GENERAL MANAGER	GM
LEE, GREGORY	ENGINEER SUPERINTENDENT	ES
OSMAN, RAMLI	PURCHASING EXECUTIVE	PE

User - [143-00000-00000002]

File Process Help

* Last Name: ADMIN Address:

First Name: USER

Middle Name:

Initials: E-Mail:

Link Seaman: Phone:

Fax:

User Id | Messaging Setup | Purchasing Authority & Setup | Notifications | Document Filtering

* User Id: ADMIN

* Auth Profile: DATABASE ADMINISTRATOR

Change Password

File Help

Search: By: Site

Site	Abbreviation	Site Type
Central	CNTR	Central
Northern Bay	NRB	Shipboard (single-ship)

Site - Central - [133-00000-00000001]

File Help

* Site Name: CENTRAL DB Type: Central

* Abbreviation: CNTR System Type: General

Site ID: 1 ID of Current DB: 2

Vendor Filtration Category: ☐ View only companies of assigned Filtration Category

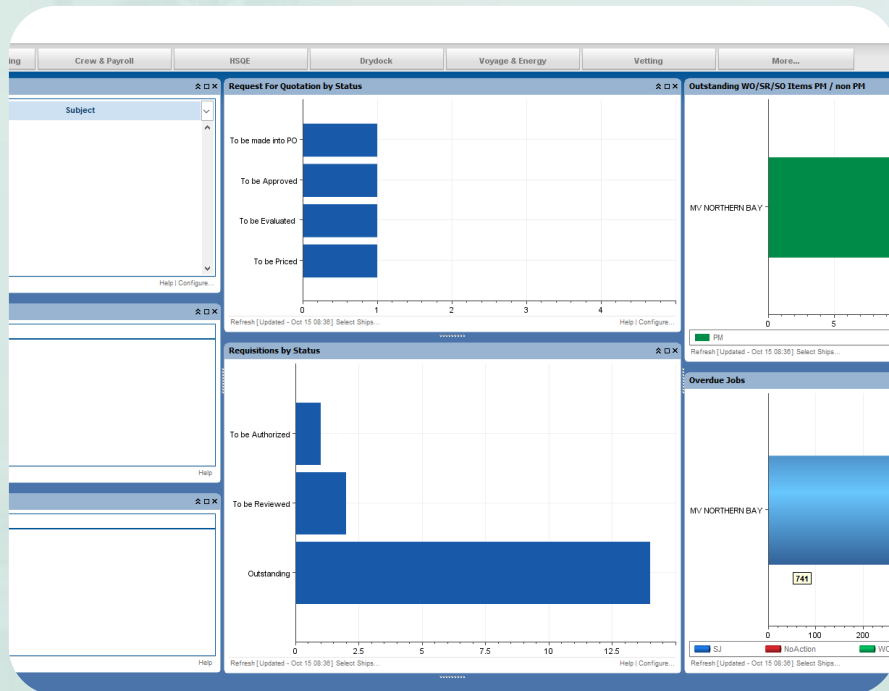
Admin Info | Reserved Doc No's | Ships Included | Seamen Included | File Attachments

PO Company: EAGLE SHIPPING COMPANY, HOUSTON, UNITED STATES OF

Invoice-To Company:

Payroll Company:

Creates MGAs For: MV NORTHERN LIGHT



NS 6.2-6.3.12

Install-NS5-6.2.0-2012-10-19.exe

32-bit and 64-bit Edition

SQL Server Support

5.1.41-enterprise-commercial-pro-log

Last patch Oct 2016

NS6.3.12 System Pref & Authorization

Description	Option	Value	Topic
Activate NS 5 Messaging System	Yes		Administration - Messaging
Messaging Restricted by Address Book	No (no Restriction)		Administration - Messaging
By default attachments should be checked for replication	No		Administration - Replication
Enable Encryption of Replication Files	No		Administration - Replication
Enable Replication of System Errors/Notifications from Remotes	Yes		Administration - Replication
No of months since the System Audit data to be retained		3	Administration - Replication
Replication Auto-Request Mechanism	Enabled		Administration - Replication
Account Lockout Logon Attempts		0	Administration - Security
Automatically unlock User Account after (in Minutes)		0	Administration - Security
Minimum Password Length		6	Administration - Security
No. of Previously-Used and Unavailable Passwords to Retain			Administration - Security
Number of days after which Password expires		30	Administration - Security
Username/Password Case Sensitivity	Case-Sensitive		Administration - Security
Embarkation Export Based On	Sign On/Sign Off		Crewing - Embarkation
No. Of Future Embarkations Scheduled at Sign-Off	TWO		Crewing - Embarkation
Permit Sign-off/Sign-On Dates to overlap	No		Crewing - Embarkation
Port & Reason Required for Embarkation/Disembarkation	Required		Crewing - Embarkation
Require due off date when scheduling seaman (only requires due off ...	Off		Crewing - Embarkation
Validate Qualifications when Scheduling Seaman	No validation		Crewing - Embarkation
Additional Authorization Required for Performance Reviews of Perma...	Required		Crewing - Performance Review
Allow users other than the creator to modify a performance review re...	No		Crewing - Performance Review
Field title for 'User1'		Superintend...	Crewing - Performance Review
Field title for 'User2'		Crew Manag...	Crewing - Performance Review
Field title for 'User3'		Crew Manag...	Crewing - Performance Review
Field title for 'User4'		Crew Manag...	Crewing - Performance Review
Field title for 'User5'		Crew Manag...	Crewing - Performance Review
Performance Review Required for Non-Permanently-Assigned Seamen	Required		Crewing - Performance Review
Auto-generation of Seaman's Payroll Number	Payroll Number entered manually at discretion of authorized user		Crewing - Personnel
Display SSN?	Do not Hide "Social Security Number".		Crewing - Personnel
Force Seaman name to uppercase	No		Crewing - Personnel
Create billets based upon	Registry Requirements		Crewing - Setup
Define Certification Substitution Order per Qualification Title	No		Crewing - Setup
Family/Next-of-Kin Information	USA 'Next-of-Kin' format		Crewing - Setup

Description	
2 / ENGINEER	<input checked="" type="checkbox"/>
C / OFFICER	<input checked="" type="checkbox"/>
CHIEF ENGINEER	<input checked="" type="checkbox"/>
DATABASE ADMINISTRATOR	<input checked="" type="checkbox"/>
ENGINEER SUPERINTENDENT	<input checked="" type="checkbox"/>
GENERAL MANAGER	<input checked="" type="checkbox"/>
HSE MANAGER	<input checked="" type="checkbox"/>
MASTER	<input checked="" type="checkbox"/>
PURCHASING EXECUTIVE	<input checked="" type="checkbox"/>
PURCHASING MANAGER	<input checked="" type="checkbox"/>
SAFETY MANAGER	<input checked="" type="checkbox"/>
TECHNICAL EXECUTIVE	<input checked="" type="checkbox"/>
TECHNICAL SUPERINTENDANT	<input checked="" type="checkbox"/>

<input checked="" type="checkbox"/> Common
<input checked="" type="checkbox"/> Crew Management
<input checked="" type="checkbox"/> Document Management System
<input checked="" type="checkbox"/> Drydock
<input checked="" type="checkbox"/> General Data
<input checked="" type="checkbox"/> HSQE
<input checked="" type="checkbox"/> Hull Inspection
<input checked="" type="checkbox"/> Hull Manager 3D
<input checked="" type="checkbox"/> Maintenance & Purchasing
<input checked="" type="checkbox"/> Module Access
<input checked="" type="checkbox"/> On Demand Reporting
<input checked="" type="checkbox"/> Payroll
<input checked="" type="checkbox"/> System Administration
<input checked="" type="checkbox"/> Vessel Drawings
<input checked="" type="checkbox"/> Vetting
<input checked="" type="checkbox"/> Voyage & Energy

NS6.3.12 User and Site Data

File Help

Name	
ADMIN, ADMIN	DATABASE ADMINISTRATOR

User - [143-00000-00000002]


File Process Help

*Last Name: ADMIN Address:


First Name: ADMIN

Middle Name:

Initials:

Link Seaman: 

Designation: Others

Approval Role: 

E-Mail:

Phone:

Fax:

User Id Messaging Setup Purchasing Authority & Setup Notifications Document Filtering

*User Id: ADMIN

*Auth Profile: DATABASE ADMINISTRATOR

☐ User must change password at next login

☐ Account Locked

File Help

Site	Abbreviation	Site Type
Central	CNTR	Central


Site - Central - [133-00000-00000001]


File Help

*Site Name: Central DB Type: Central


*Abbreviation: CNTR System Type: -- Select --


Site ID: 1 ID of Current DB: 1


Vendor Filtration Category:  ☐ View only companies of assigned Filtration Category


Terms & Conditions Filtration Category:  ☐ View Only Terms & Conditions Filtration Category

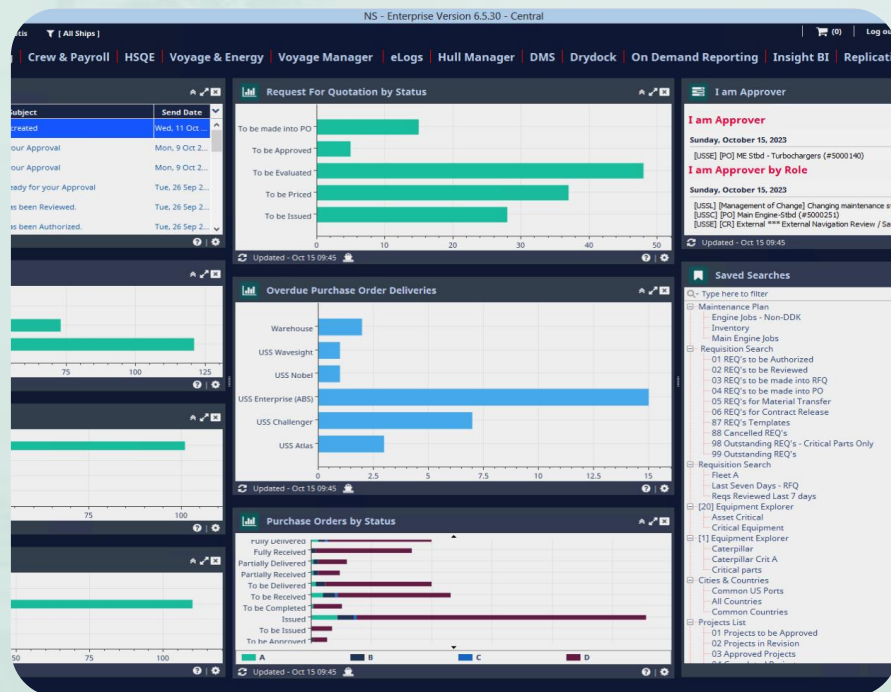
Admin Info Reserved Doc No's Ships Included Seamen Included Other Site Document Filtering File Attachments Help & Support

PO Company: 

Invoice-To Company: 

Payroll Company: 

Creates MGAs For: 



NS 6.4-6.5.30

Install-NS-6.5.30-2023-10-04.exe

64-bit Edition

SQL Server Support

6.4 - 5.7.10-enterprise-commercial-advanced-log

6.5.13 - MariaDB was introduced

6.5.30 - 10.4.14-MariaDB-log

6.5.30 - 5.7.38-enterprise-commercial-advanced-log

NS6.5.30 System Pref & Authorization

General Work Flow

Type here to filter preferences

Selection Numeric(5 Digit Max) Alphanumeric(25 Characters Max)

Crew Management

Service

Embarkation Export Based On	Sign On/Sign Off
Editing of Seaman Record from a Shipboard Site Even if the Seaman is no longer active	Disabled
No. Of Future Embarkations Scheduled at Sign-Off	3
Overlap Days Functionality	Enabled
Offset days after the start of the relieving crew service	3
Offset days before the end of the relieving crew service	1
Include Seaman in Crew List when Sign Off is Current Date and Time	Yes
Leave shoreside activity end date will be calculated independent of vouch	No

Performance Review

Field title for 'User1'	Superintendent comments
Field title for 'User2'	MASTER2
Field title for 'User4'	TBD
Field title for 'User5'	TBD
Additional Authorization Required for Performance Reviews of Permanent	Not Required
Field title for 'User3'	ToBeDecided

Personnel

Create billets based upon	Registry Requirements
Define Certification Substitution Order per Qualification Title	Yes
Warn for seamen having no Last Name	No
Seniority Based On	Original Hire Date
Family/Next-of-Kin Information	Both
Field title for 'Payroll Number'	
Field title for 'Social Security Number'	SSN
Display SSN?	Do not Hide "Social Security Number".
Maximum allowable 401(k) percentage	15
Social Security Number formatting options	No special formatting/hyphenation
Field title for 'User1'	Driver's License
Field title for 'User2'	
Field title for 'User3'	
Field title for 'User4'	
Field title for 'User5'	

NS6.5.30 User and Site Data

Administrator, DMS I-Database Administrator

User - [0143-00000-00000002]

File Process Help

Last Name: NSE Address: _____
 First Name: Administrator _____
 Middle Name: _____
 Initials: _____ E-Mail: _____
 Link Seaman: _____ Phone: _____
 Designation: None Fax: _____
 User Role: IT Admins Ship Team: _____
 DPA/CSO Competency: _____

User Id Messaging Setup Purchasing Authority & Setup Notifications Document Filtering User Setting

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

Date of Hire: _____
 Termination: _____

Site - Central - [0133-00000-00000001]

File Help

Site Name: Central DB Type: Central
 Abbreviation: CNTR System Type: General
 Site ID: 1 ID of Current DB: 1

Vendor Filtration Category: _____ View only companies of assigned Filtration Category

Terms & Conditions Filtration Category: _____ View Only Terms & Conditions

Select License: 201800052013-258
 Authentication Mode: NS AD Managed
 Domain Name: ABSNSCLOUD

Admin Info Reserved Doc No's Ships Included Seamen Included Other Site Document Filtering File Attachments Help & Support Site Image License

PO Company: United Federation of Planets, Starfleet Headquarters, California, on Earth, San Francisco
 Invoice-To Company: United Federation of Planets, Starfleet Headquarters, California, on Earth, San Francisco
 Payroll Company: United Federation of Planets, Starfleet Headquarters, California, on Earth, San Francisco

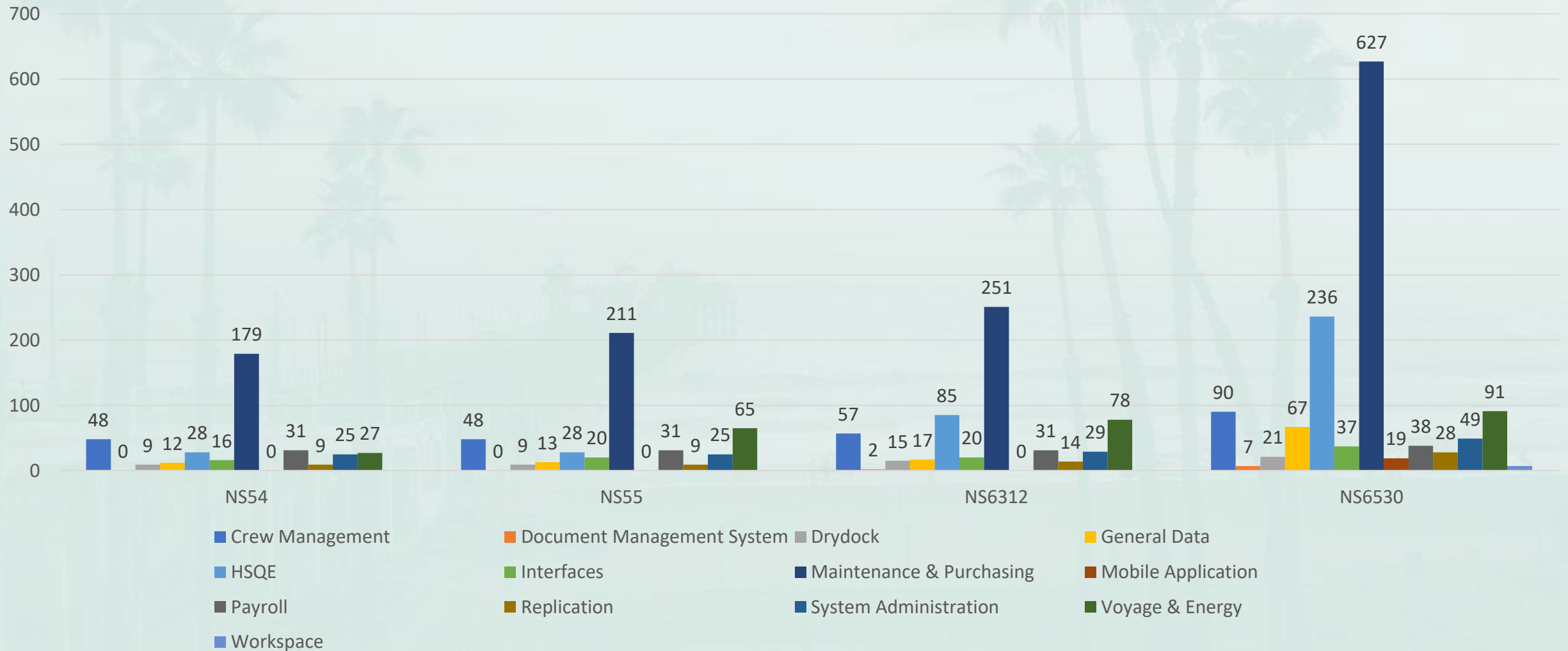
Creates MGAs For: USS Enterprise (ABS)
 USS Voyager
 USS Defiant
 USS Challenger

Q88 Tanker Company: United Federation of Planets, Starfleet Headquarters, California, on Earth, San Francisco
 Q88 Dry Company: _____

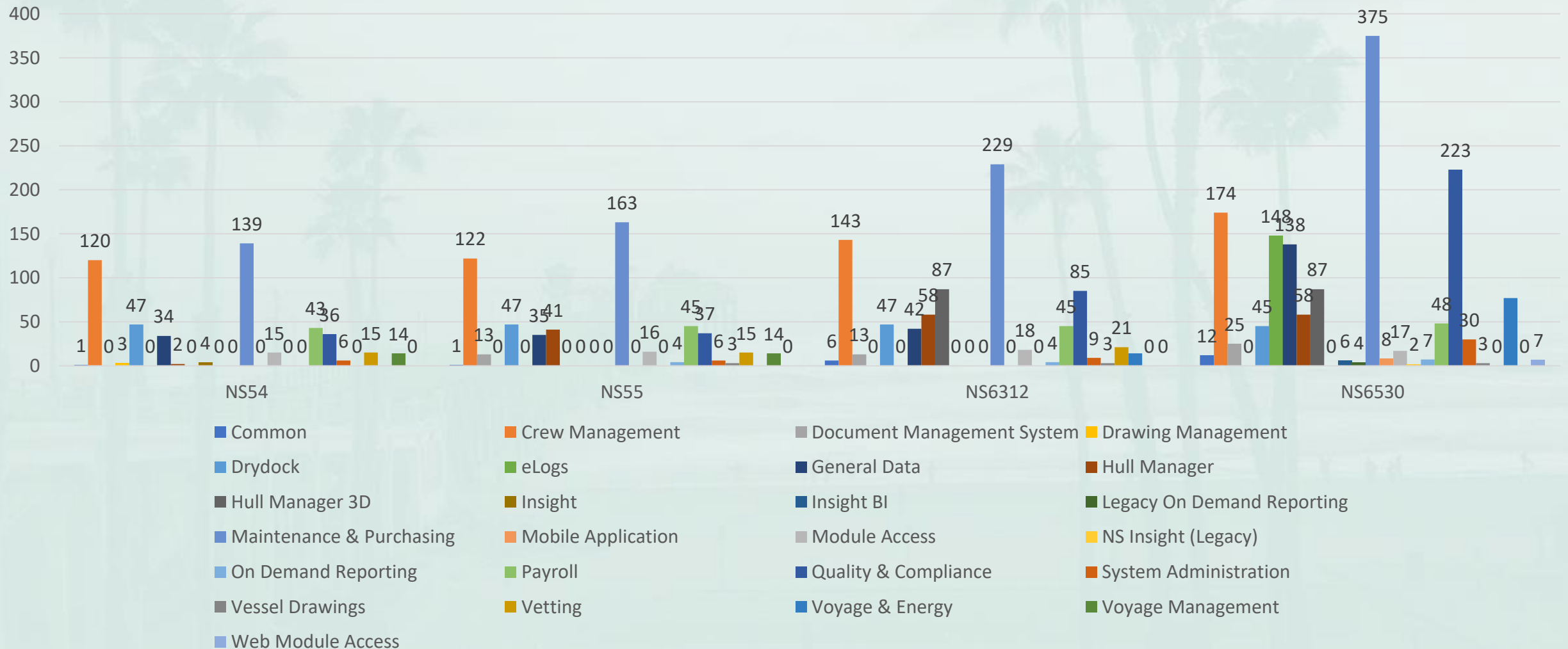
Interfacing: ☒ Class Integration: ☐

Admin Info
 Reserved Doc No's
 Ships Included
 Seamen Included
 Other Site Document Filtering
 File Attachments
 Help & Support
 Site Image
 License Packs
 Email Preferences

System Preferences & Options



Authorization Profiles



**New workflows,
configuration and more**





e-Procurement

- Improved email e-procurement (parallel to the existing methods)
- Email based
- Configurable
- Flexible
- Inhouse managed

Equipment - DIESEL GENERATOR No1 - [0104-00002-00000581]

File Requisitioning Reports Help

SEADUKE*POWER GENERATION SYSTEM*DIESEL GENERATOR No1

Name: DIESEL GENERATOR No1
Complete Name: DIESEL GENERATOR No1
Manufacturer: YANMAR YANMAR CO. LTD., OSAKA
Spares Storage: 3RD DECK DIESEL GENERATOR*SPARE ROOM*2ND ONBOARD
Status: ☒ Active ☐ InActive
Sri. No.: 820
Barcode: _____
☐ Apply Vendor Restriction ☐ Serialized Equipment Required
☐ Condition Monitoring Type: ☒ Spare ☐ Store
Class Data
Class Code: _____ HID: _____ Class Status: _____ Class Equipment Name: _____

Designation: Unit
Equipment Code: 7.01
Equip.Location: C80081123
Date Installed: 10/05/2021 Year Made: _____
Model: 6EY26LWS
Type: DIESEL GENERATOR
Software Version: C2000333695 CT2000110957

Admin Info Cross References Part No. Reference Sources Counter Setup File Attachments Remarks Message Standard Jobs Certificates Mainte 4 ▶ ▢

Criticality: D Department: Technical
Account(Materials): 5303000001 ENGINE SPARE PARTS - MECHANICA
Account(Services): _____
Subject Index: MECHANICAL
Failure Class: _____
Equipment Index: DIESEL GENERATORS
Cost Center: Technical

Requisitioning
☒ Stock ☐ Non-Stock
☐ Under Warranty Expires: _____
☐ Restrict Part Creation ☐ Mark All Parts As Hazardous
☐ Require Failure RA ☐ Allow Type-In
☐ Referenced RA Type
☐ Reference RA Template
Buyer Group: All
Engine
Deck & Engine
Space: _____

Equipment Particulars Updates

- Type
- Cost Center
- Risk Assessment
- etc.
- Restrict Part Creation

E-Mail Template - [5178-00003-00000001]

File Help

Template Name: Supplies RFQ Template Concept: RFQ ☐ Default

To: _____

Cc: _____

Bcc: _____

Subject: \$rfqCompany\$ | \$shipName\$ | RFQ: \$rfqNumber\$

E-Mail Footer: _____

Available Variables

Preview

Message Body | File Attachments | Associations

Paragraph Segoe UI 12 pt

THIS IS A TEST EMAIL - PLEASE IGNORE

Dear \$vendorName\$,

You have received a RFQ **\$rfqNumber\$ - \$rfqTitle\$** for vessel **\$shipName\$**.

The email has the following attachments (\$mailAttachmentCount\$):

\$mailAttachmentNames\$

If more attachments are supplied it will be mentioned in the RFQ remarks.

Should you have any questions, please contact **\$rfqCompany\$** (Ships Management) Inc. or send an email to pu@thenamaris.com

Please make sure that you submit your quotes to pu@thenamaris.com

Best Regards,

Email Templates

- RFQ and PO
- RTF/html and variables
- File attachments
- Associations (Vendors, Ships, LoB and Type)

Failure Messages

- Failure Management
- Notify Vendor

```
eproc-failure-message.properties
1 #key - Failure Message Key
2 #value - Failure Message should be part of out going mail to vendor
3
4 eproc.vendor.quotation.failure.mail.body=Hello,<br>Please note that there are some
5 issues encountered while loading the quotation information.
6 eproc.vendor.multiple.quotation.failure.mail.body=Hello,<br>This is to inform you that
7 there are multiple quotation files attached to the email.<br>Please reply with only one
8 quotation excel having the quotation information for the subject line RFQ
9 Number.<br>Any quotation excels that are not matching the subject line RFQ will not be
10 processed. They have to be quoted via their respective mails.
11 eproc.vendor.pricing.complete.failure.mail.body=Hello,<br>This is to inform you that
12 for the subject RFQ the pricing process has already been completed and quote was not
13 accepted.Please contact the Issuer or concerned person.
14 eproc.vendor.missing.attachment.failure.mail.body=Hello,<br>This is to inform you that
15 for the subject RFQ the received email does not have the excel attached with quotation
16 information.Please revert with valid quotation information.
17 eproc.vendor.missing.documentnumber.failure.subject.body=Hello,<br>This is to inform
18 you that the mail subject line does not contain required document number
19 information.Please revert with correct details.
20 eproc.vendor.wrong.format.deliverdate.failure.subject.body=Hello,<br>This is to inform
21 you that for the subject PO, "Deliver By" date is not as per the prescribed
22 format.Please revert with prescribed format.
```

Exceptions

Discrepancies:

QUOTATION DISCREPANCIES :

1. QUOTATION QUANTITY FOR A LINE ITEM IS DIFFERENT THAN THE QUANTITY REQUESTED.

Discrepancies:

QUOTATION DISCREPANCIES :

1. LINE ITEM WAS NOT QUOTED BY THE VENDOR.

Remarks from Vendor (ALATAS MIDDLE EAST SHIP ENGINEERING)

***** Imported On [09/29/2023 09:27:32] *****

Quotation Currency has been changed from [USD] to [EUR]

- Quoted/Not Quoted
- UoM Change
- Currency Change

General **Work Flow**

Selection ■ Nu

eProcurement

RFQ Email Procurement Method Options	Mail to be Sent Automatically
Send quotation not received reminders to RFQ Vendor after x days	2
Maximum number of reminders to send to RFQ Vendor	2
PO acceptance not received reminders after x days	2
Maximum number of reminders to send to PO Vendor	2
Use Native Mail Client To Send Mail To Internet E-Mail Addresses	No
RFQ Email Subject Prefix	
Purchase Order Email Subject Prefix	
PO Email Procurement Method Options	Mail to be Sent Automatically

RFQ - 1000002 - SEADUKE - [0159-00003-00001868]

File Process Utilities Items Reports Help

Created Issued Pricing Completed Evaluated

RFQ Data **Pricing** Evaluation Approval

List of Vendors:

Code	Name	Qty.	
AL740	ABB A.S.		
AK650	ALATAS MIDDLE EAST SHIP ENGINE...		

Currency: USD

Quotation Date: 27/09/2023

Vendor Ref:

Valid Until:

Default Discount %: 0,00

Lumpsum Discount: 0,00

Default Delivery Time: 0

FOB:

Freight: 0,00

Packing: 0,00

Items Quoted: 0/3

Reminders: 0/2 **Remind**

Last Reminder:

Reminders

- RFQ Quotation Reminder
- PO Acceptance Reminder
- Further Settings

Excel additions

Requested				Offered											
No.	Qty	Unit	Quality	Description	Part No.	Part Reference	Quoted	Quality	Qty	Unit	Unit Price	Disc.%	Del. Time	Total Amount	Remarks By Item
1	3.0	PCS	OEM	Driven Gear	2	Pos No	YES	OEM	3.0	PCS	0	0.0		0	
2	3.0	PCS	OEM	Driving Gear	1	Pos No	YES	OEM	3.0	PCS	0	0.0		0	
3	3.0	PCS	OEM	Hydrostatic Cable	5	Pos No	YES	OEM	3.0	PCS	0	0.0		0	
4	3.0	PCS	OEM	Locking Block	4	Pos No	YES	OEM	3.0	PCS	0	0.0		0	
5	3.0	PCS	OEM	Release Gear	3	Pos No	YES	OEM	3.0	PCS	0	0.0		0	
													Total:	0	

RFQ Approval Setup - RFQ PROVISIONS - [0243-00001-00000010]

File Process Reports Help

Document: RFQ

Ship: ☐ PO Company ☐ LOB Company ☒ Fleet ☐ Ships

Tanker 1
Tanker 2
Tanker 3

Account: ☐ Account Category ☒ Account

PROVISIONS
BONDED STORES
RECREATION EXPENSES

Project:

Material: ☐ Spare ☐ Store ☒ Both

Setup: ☐ User based ☒ Role based

Approve By: 7 days ☐ Hide

Identifier: RFQ PROVISIONS

WBS: CPX-BTT
CPX-CAP
CPX-CBM
CPX-EPL

Cost Center: Purchasing

Department:

Service: ☒ All ☐ Selected

Effective From Date: 01/01/1970 ☐ Retire

Sequence No.	Min [USD]	Max [USD]	Primary
1	0,00	5.000,00	Purchasing Operator CNS
2	5.000,01	10.000,00	Purchasing Operators Supervisor
3	10.000,01	0,00	Purchasing Manager

Approval Setup Updates

- Vessel, Fleet, LOB, PO Company
- WBS
- Account or Category
- Cost Center
- Project
- Department

Requisition - New

File Process Items Reports Help

View Process Map

Created Authorized Reviewed

Req. No.: AutoGen

Ship:

Project:

Account: Budget

Port:

Cost Center:

Equipment:

Needed:

Department: WBS: RO

Priority: D ☐ Save As Template

☐ Ready To Be Authorized

☐ Ready To Be Reviewed

Requisition Items Admin Info Remarks Documents Message File Attachments Status Custom Forms

Item	Type	Part Name	Part Number	ST	Docume...	Materi...	Qty	Unit	On-Hand	Est. Cost	Ext. Co...
Total Cost: 0,00											
Contract No.	Title	Effect	Expires	Contractor / Vendor							

Requisition Updates

- Cost Center
- WBS
- Ready to be authorized
- Ready to be reviewed
- Validate (External System Integration)

Configuration





eProcurement

- Setup
- RFQ Process
- PO Process

RFQ Approval Setup - RFQ PROVISIONS - [0243-00001-00000010]

File Process Reports Help

Document: RFQ

Ship: ☐ PO Company ☐ LOB Company ☒ Fleet ☐ Ships

Tanker 1
Tanker 2
Tanker 3

Account: ☐ Account Category ☒ Account

PROVISIONS
BONDED STORES
RECREATION EXPENSES

Project:

Material: ☐ Spare ☐ Store ☒ Both

Service: ☒ All ☐ Selected

Setup: ☐ User based ☒ Role based

Approve By: 7 days ☐ Hide

Effective From Date: 01/01/1970 ☐ Retire

Sequence No.	Min [USD]	Max [USD]	Primary
1	0,00	5.000,00	Purchasing Operator CNS
2	5.000,01	10.000,00	Purchasing Operators Supervisor
3	10.000,01	0,00	Purchasing Manager

Approval Setup

- Setup
- RFQ Process
- PO Process

Requisition - New

File Process Items Reports Help

View Process Map

Created Authorized Reviewed

Req. No.: AutoGen

Ship:

Project:

Account: Budget

Port:

Cost Center:

Equipment:

Needed:

Department: WBS: RO

Priority: D ☐ Save As Template

☐ Ready To Be Authorized

☐ Ready To Be Reviewed

Requisition Items Admin Info Remarks Documents Message File Attachments Status Custom Forms

Item	Type	Part Name	Part Number	ST	Docume...	Materi...	Qty	Unit	On-Hand	Est. Cost	Ext. Co...
------	------	-----------	-------------	----	-----------	-----------	-----	------	---------	-----------	------------

Total Cost: 0,00

Contract No.	Title	Effect	Expires	Contractor / Vendor
--------------	-------	--------	---------	---------------------

Requisition

- Setup
- Process
- Saved Searches

System Preferences & Authorizations

General | Work Flow

Selection ☒ Numeric(5 Digit Max) ☐ Alphanumeric(25 Characters Max)

Crew Management

- Service**
 - Embarkation Export Based On: Sign On/Sign Off
 - Editing of Seaman Record from a Shipboard Site Even if the Seaman is no...: Disabled
 - No. Of Future Embarkations Scheduled at Sign-Off: 3
 - Overlap Days Functionality: Enabled
 - Offset days after the start of the relieving crew service: 3
 - Offset days before the end of the relieving crew service: 1
 - Include Seaman in Crew List when Sign Off is Current Date and Time: Yes
 - Leave shoreside activity end date will be calculated independent of vouch...: No
- Performance Review**
 - Field title for 'User1': Superintendent comments
 - Field title for 'User2': MASTER2
 - Field title for 'User4': TBD
 - Field title for 'User5': TBD
 - Additional Authorization Required for Performance Reviews of Perman...: Not Required
 - Field title for 'User3': ToBeDecided
- Personnel**
 - Create billets based upon: Registry Requirements
 - Define Certification Substitution Order per Qualification Title: Yes
 - Warn for seamen having no Last Name: No
 - Seniority Based On: Original Hire Date
 - Family/Next-of-Kin Information: Both
 - Field title for 'Payroll Number':
 - Field title for 'Social Security Number': SSN
 - Display SSN?: Do not Hide "Social Security Number".
 - Maximum allowable 401(k) percentage: 15
 - Social Security Number formatting options: No special formatting/hyphenation
 - Field title for 'User1': Driver's License
 - Field title for 'User2':
 - Field title for 'User3':
 - Field title for 'User4':
 - Field title for 'User5':

(Name)
--(vintion)

File Tools Help

Description

Q- Search...

- ☒ Common
- ☒ Crew Management
- ☒ Document Management System
- ☒ Drydock
- ☒ eLogs
- ☒ General Data
- ☒ HSQE
- ☒ Hull Manager
- ☒ Insight BI
- ☒ Maintenance & Purchasing
- ☒ Mobile Application
- ☒ Module Access
- ☒ On Demand Reporting
- ☒ Payroll
- ☒ System Administration
- ☒ Voyage Manager
- ☒ Web Module Access

Description:
Common

- H - Travel Agent
- I - DB Admin 2
- I - Database Administrator
- I - Test
- M - CEO
- M - CFO
- M - General Manager
- P - Puchaser
- P - Purchasing Manager
- Q - DMS Admin/Owner
- Q - HSE Coordinator
- Q - HSE Coordinator Advance user / Admin
- Q - HSE Manager
- Q - Safety Manager
- T - Drydock Super
- T - Engineer Super



Master Data

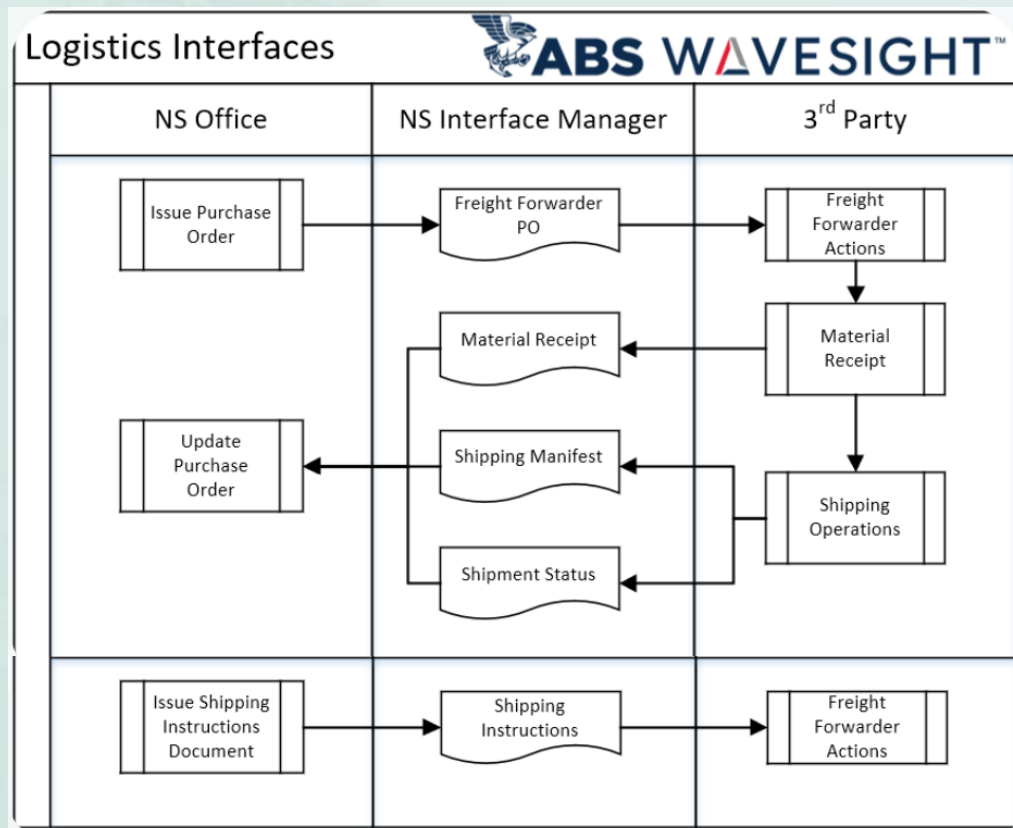
- + Accounting
- + Crewing
- + Gadget Setup
- + General
- + Index Terms
- + Machinery
- + Payroll
- + Text Data
- + Voyage Manager

General Data

- Cost Center
- WBS
- Text Data
- Etc.

Interfaces





Logistics Interfaces

- Freight Forwarder PO
- Material Receipt
- Shipping Manifest
- Shipment Status
- Shipping Instructions

Financial Interfaces

- A/P (Invoices) Export
- Accruals Export
- Cancelled Invoices
- Cancelled Purchase Orders
- Vendor Export
- Scanned Invoice Import
- Currency
- Invoice Payment
- Account Import
- Project Import
- Budget Import

Purchasing Interfaces

- Requisition (Material and Service) Export
- Purchase Order Import
- Release Purchase Order Export
- Purchase Order Export
- Vendor Import
- Receipt/Delivery
- RFQ Export
- Inventory Transactions
- Transfer Order
- Insurance Claim

Asset Management Interfaces

- Equipment Export/Import
- Part Export/Import
- Material PO Export
- Inventory Export/Import
- Condition Monitoring

Crewing & Payroll

- Seaman Export/Import
- Voucher Export/Import
- Embarkation Export/Import
- Payroll Allotments
- Payroll Deduction
- Payroll Benefits
- Bank Exports

Best practices and tools



Best Practices 1/3

Replication

- Replication Report Notification
- Event Viewer Monitoring

Overnight & Overday Scripts

- TRLPURGE
- DBLogPurge
- MSGPURGE
- SysAuditPurge

Best Practice 2/3

Management of folder (Replication, Log, etc.)

- Conserve Diskspace

Database Backups and Disaster Recovery

- Database Replication

External File Replication

- Distribution and consistency of memory settings, logging levels, configuration files, Jar Fixes, etc.

Logging Level

- Modifying logging level to conserve diskpace

Best Practices 3/3

Debug Mode

- Helps with ticket analysis to send debug results with ticket
- IF issue was able to be reproduced in Training Environment or Off-Hours as to not affect active users
- NS5Settings.exe
- SSO
- PowerShell vs cmd

File Attachment Restriction

☐ Maximum single file attachment size (in MB) for Replication 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.

TxnRelogger

Transfer 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

Technology stack and performance



Performance

Performance Baselines

- Enabling Performance Logging

JVM Memory Management

- vm.prop

SQL Server

- Ad-hoc Query Workload (Server Setting)
- Memory
- Query Cache (Later Versions)

mySQL

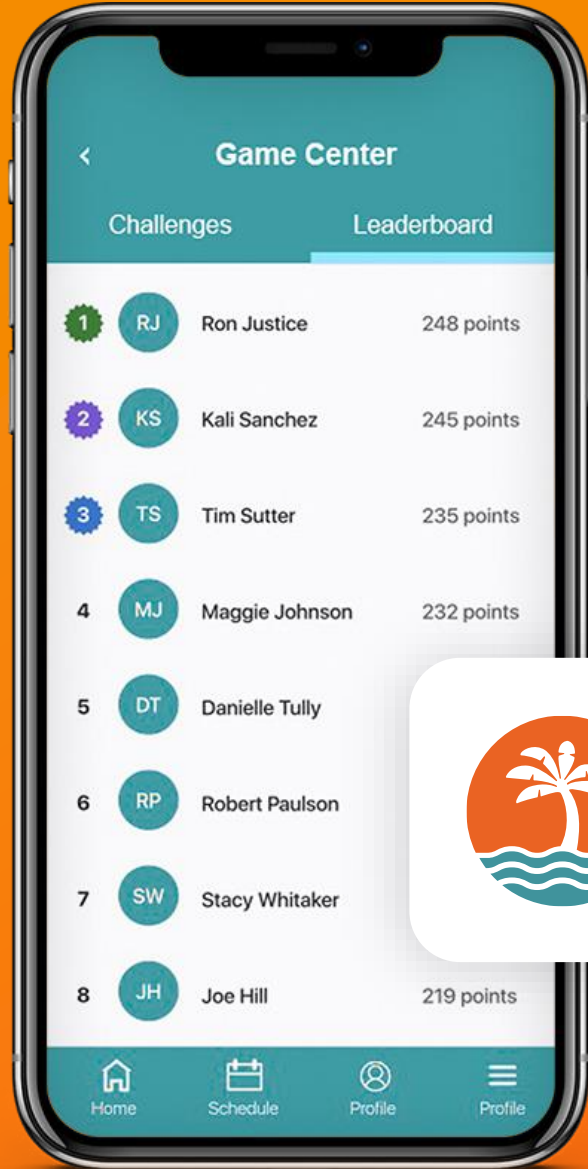
- ns-mysql.ini

Current versus Future

- MySQL 5.7.38
- Tomcat 8.5.77
- MySQL 8.0
- Tomcat 8.5.95

Q & A





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