



bpm'online CRM technical design

for

Columbia Cruise Services

V2 3011/1201/20152016

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DOCUMENT CHANGE HISTORY

Version number	Revision Date	Revised by	Description
1	14/12/2015	Alexander Ivanushkin	1 st revision
2	18/12/2015	Alexander Oswald	2 nd revision (Review of 1 st edition)
3	21/12/2015	Alexander Ivanushkin	3 rd revision
4	29/12/2015	Alexander Ivanushkin	4 th revision (2 nd delivery)
5	11/01/2016	Alexander Ivanushkin	5 th revision (2 nd delivery)

VESSELS

GENERAL INFORMATION

Field	Required	Type	Description/Logics
VesselId	+	String(50)	Unique value
Name	+	String (250)	
Type	+	Lookup	Vessel types lookup
IMO No	+	String (50)	Validation – not more than 7 symbols, validated according to the rule below
Client	+	Lookup	Accounts lookup
Manager	+	Lookup	Accounts lookup
Length overall		Decimal (0.001)	
Breath overall		Decimal (0.001)	
Deadweight tonnage		Decimal (0.001)	
Gross tonnage	+	Decimal (0.001)	
Net tonnage	+	Decimal (0.001)	
Call sign		String (50)	
Current flag	+	Lookup	Flags lookup, only Bahamas, Malta, Marshall island and Panama available
Port of registry	+	Lookup	Port lookup
Displacement		Decimal (0.001)	
Net registered tons		Decimal (0.001)	
Draft Aft		Decimal (0.001)	
Draft Fwd		Decimal (0.001)	
MMSI No		String (50)	
Anchor chain Stb		Decimal (0.001)	
Anchor chain Aft		Decimal (0.001)	
Anchor chain Port		Decimal (0.001)	
Max power	+	Decimal (0.001)	
Rudders		String (250)	

Field	Required	Type	Description/Logics
Propellers		String (250)	

IMO NUMBER validation

IMO = International Maritime Organization. IMO number identifies a commercial passenger or cargo ship. Numbers are made up of letters IMO and seven decimal digits. These numbers are given by IHS Fairplay, formerly Lloyd's Register - Fairplay Ltd. The number is clearly marked on the side or stern of a cargo ship and on the top of a passenger ship, and it is also used in the ship's documents. The number remains the same throughout the ship's lifetime, regardless of changes in the ship's name, structure or ownership. Once given, a number is never reused by giving it to another ship. The last digit is a check digit.

1. The digits to be checked are weighted from right to left by 2, 3, 4, 5, 6 and 7.
2. Products are added up.
3. The sum is divided by 10. The remainder (the last digit of the sum) is the check digit.

Example: IMO 7625811 (Kristina Katarina, Kotka, Finland)

7 6 2 5 8 1 1

7 6 5 4 3 2

49 36 10 20 24 2 = 141 → 1

The method could also be described by saying that the weighting factors are 3..8 from left to right, and the check digit is the digit that you need to add to the sum to make it evenly divisible by 10.

7 6 2 5 8 1 1

3 4 5 6 7 8

21 24 10 30 56 8 = 149 → 1

DETAIL 'PARTICULARS'

Field	Required	Type	Description/Logics
Vessel	+	Lookup	Vessels lookup, is hidden and filled in automatically
Engine	+	String (250)	
Name	+	String (250)	
Type	+	Lookup	Engine types lookup
Max consumption (24hrs)	+	Decimal (0.001)	
Kwh		Decimal (0.001)	
Horse powers		Decimal (0.001)	

DETAIL 'BASELINES'

Field	Required	Type	Description/Logics
Vessel	+	Lookup	Vessels lookup, is hidden and filled automatically

Field	Required	Type	Description/Logics
Engine	+	Lookup	Engines lookup (data from the 'Particulars detail')
Speed	+	Decimal (0.001)	
Consumption	+	Decimal (0.001)	

DETAIL 'EQUIPMENT'

Field	Required	Type	Description/Logics
Vessel	+	Lookup	Vessels lookup, is hidden and filled in automatically
Equipment	+	String(250)	
Name	+	String (250)	
Power		Decimal (0.001)	
Type	+	Lookup	Equipment types lookup

DETAIL 'LOG'

The detail shows all logs and their parameters of the selected vessel

Log object model consists of 2 objects – Log and Log parameter. Each Log can have 1 or more Log Parameters linked to it.

Log object structure

Field	Required	Type	Description/Logics
Vessel	+	Lookup	Vessels lookup, is hidden and filled in automatically
Cruise	+	Lookup	Cruises lookup
Type	+	Lookup	Log types lookup

Log parameter object structure

Field	Required	Type	Description/Logics
Log	+	Lookup	Logs lookup
Log parameter type	+	Lookup	Log parameter type lookup
Text value		String (500)	
Integer value		Integer	
Float value		Float	

Field	Required	Type	Description/Logics
Boolean value		Boolean	
Date/time value		Date/time	
Lookup value		Lookup (GUID)	
Display value		Unlimited length text	

INTERFACE SAMPLE

Vessels

What can I do GO

bpmonline



SAVE

CANCEL

ACTIONS



VIEW

Name * Allure of the Seas

Type * Cruise ship

IMO No * FTR

MMSI No 003669999

Client * Columbia cruise servi..

Manager * Ann Nikitina

Current flag *

Port of registry * Nassau

Call sign



General information

Particulars

Baselines

Equipment

Log

Feed



Specifications

Length overall 361

Breath overall 47

Deadweight tonnage

Gross tonnage

Net tonnage

Displacement 220 000

Net registered tons

Draft Aft

Draft Fwd

Anchor chain Stb

Anchor chain Aft

Anchor chain Port

Rudders 2

Propellers 4

Max power



CRUISES

GENERAL INFORMATION

Field	Required	Type	Description/Logics
Vessel	+	Lookup	Vessels lookup
No	+	String (50)	
Name	+	String (250)	
Active		Boolean	
Start date	+	Date	
End date		Date	

DETAIL 'ITINERARY'

Field	Required	Type	Description/Logics
Vessel	+	Lookup	Vessels lookup, is hidden and filled in automatically
Cruise	+	Lookup	Cruises lookup, is hidden and filled in automatically
From date	+	Date	
To date	+	Date	
Departure port	+	Lookup	Ports lookup
Arrival port	+	Lookup	Ports lookup

INTERFACE SAMPLE

Cruises

What can I do for you?

SAVE

CANCEL

ACTIONS ▾



Name * Mediterranean cruise

No * 185

Start date * 12/15/2014

End date 12/15/2016

Vessel Aegean Star

Active ☒

< General information

Feed



Itinerary + :

From	Departure port	To	Arrival port
------	----------------	----	--------------

15/11/2015	Ravenna	20/11/2015	Venice
------------	---------	------------	--------

20/11/2015	Venice	23/11/2015	La Rochelle
------------	--------	------------	-------------

ACCOUNTS

Accounts section will be used to store parties' data.

DETAIL 'VESSELS'

Detail is used to view all manager's vessels (Vessel.Manager = selected Account)

Field	Required	Type	Description/Logics
Vessel	+	Lookup	Vessels lookup
Account	+	Lookup	Accounts lookup (hidden)

CONTACTS

GENERAL INFORMATION

General information in Contact section will not be amended.

DETAIL 'ELCP'

Basic Job Experience detail will be renamed and enhanced

Field	Required	Type	Description/Logics
Vessel	+	Lookup	Vessels lookup
Seaman	+	Lookup	Contacts lookup (hidden)
From date	+	Date	
To date		Date	
Rank	+	Lookup	Ranks lookup

INTERFACE SAMPLE

Contacts

What can I do for you?

GO

>

SAVE

CANCEL

ACTIONS

PRINT

VIEW

20%

Full name

Alexander Ivanushkin

Account

Terrasoft

Type

Employee

Owner

<

Contact info

Current employment

Communication channels

History

Attachments and notes

Feed

>

Job title

C/O

Full job title

C/O

ELCP

+

:

Vessel	Rank	From	To
Aegean Star	C/O	20/11/2012	20/11/2015
Virginia	C/O	15/12/2015	15/06/2016

ACTIVITIES

These fields will be added to basic activity object:

Field	Required	Type	Description/Logics
Vessel		Lookup	Vessels lookup, filled automatically from the system setting 'Current Vessel'
Cruise		Lookup	Cruises lookup, filled automatically from the system setting 'Current Vessel'

ACTIVITY EDIT PAGE

These fields will be added to the activity edit page

Field	Required	Type	Description/Logics
Vessel		Lookup	Vessels lookup, filled automatically from the system setting 'Current Vessel'
Cruise		Lookup	Cruises lookup, filled automatically from the system setting 'Current Vessel'

Validation of the save button:

- 1) All required fields in the edit page must be filled in
- 2) If there are one or more entries in Activity categories lookup (with 'Required' = True AND 'Sequence number' < Current Activity.Category.Sequence number) and there are no Activities with such categories in 'Activity' section then user gets a message 'Please enter required activities with following categories: [Comma separated names of required activity categories]'
- 3) If activity category is linked to log type(s) via 'Log type in activity category lookup' following requirements must be met:
 - There is one log record per each log type required for the selected activity category (admin can adjust this correspondence in 'Log type in activity category' lookup)
 - All required fields in activity edit page are filled in

Log tab

New tab will be added to activity edit page

User can add one log item for each log type that is linked to the activity category via ['Log type in activity category' lookup](#).

Every log type specified for activity category in ['Log type in activity category' lookup](#) is required to save respective activity.

'Add' button has dropdown list of following log types:

- 1) Log type is linked to the selected activity category in 'Log type in activity category' lookup
- 2) There is no log items with this type already added to the selected activity
- 3) Log type is actual ('Not actual' Boolean value in 'Log type' lookup is 'false')

Log item edit page

Vessel, cruise and Type are filled automatically according to the rule below:

- 1) Vessel = Activity.Vessel
- 2) Cruise = Activity.Cruise
- 3) Type = Log type selected in the dropdown list of the 'Add' button

Log item edit page consists of 2 columns:

- 1) 'Parameter'. This column is non editable and is filled in automatically with log parameter types names according to the following rule:
 - 1 string is created per each log parameter types corresponding rule below:
 - Not actual = False
 - Log type = selected log type
- 2) 'Value' is editable and user has to enter values for all parameters that are displayed on the edit page, data type corresponds respective log parameter type datatype

Validation for the 'Save' button: All values in the 'Value' column must be set, no nulls allowed

Interface sample of new log item:

New weather log item

SAVE

CANCEL

Parameter ^	Value
Wind direction	East
Wind force	8
Sea state	Calm
Sea temperature	10
Pressure	<input type="text" value="760"/>
Humidity	50
Temperature	15

LOGS

This section is used for manual log entry and execution of rework of rejected log data

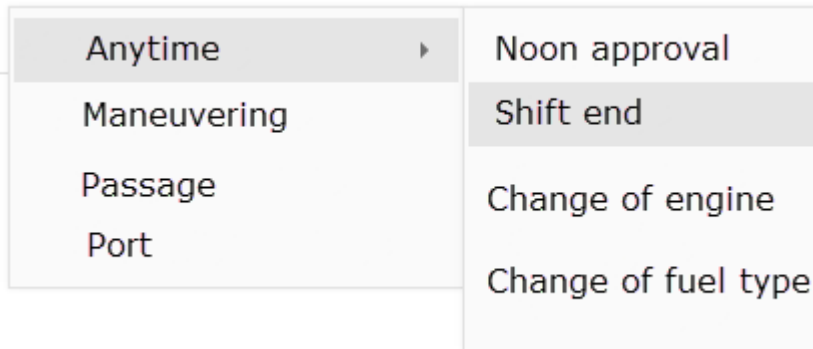
'Add' button logic will be amended:

After clicking 'Add' two-level drop down list will be displayed – first level corresponds to Activity type and second level corresponds to Activity category.

Activity types are filtered according to the Boolean field 'Do not use in logs' in 'Activity type' lookup

Only those activity categories are displayed which correspond to the current user role. Correspondence among roles and activity categories can be set up in 'Activity category in role' lookup.

Here is interface sample:

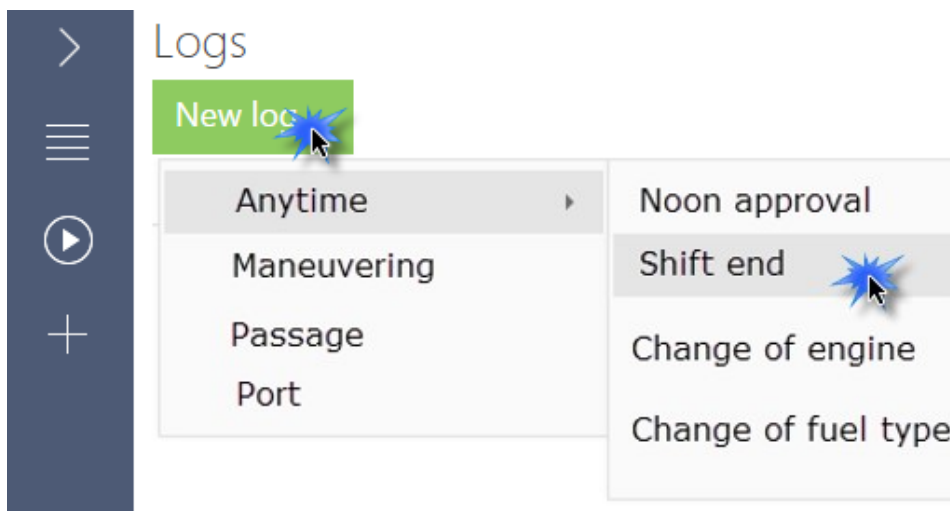


Activity edit page is opened only after selection of Activity category.

Edit page for the section is [abovementioned 'Activity edit page'](#) (it's 'Log' tab has validations for log types and log types parameters required for the specified activity category).

E. g. here are interface samples of the new weather log item

1 Seaman opens 'Logs' section and chooses activity category



2 Adds weather log to the log detail

New log

[SAVE](#)[CANCEL](#)[ACTIONS](#) ▾[F4](#) ▾

Subject * Shift end

Start * 1/12/2016 12:00 AM

Due * 1/12/2016 4:00 AM

Status * Completed

Show in calendar

☐

Owner * [Alexandr Ivanushkin](#)

Reporter * [Alexandr Ivanushkin](#)

Priority * Medium

Category * Shift end

[Log](#)[Attachments and notes](#)[Feed](#)[Logs](#)

No data

3 User enters log parameters

New weather log item

[SAVE](#)[CANCEL](#)

Parameter ^

Value

Wind direction	East
Wind force	8
Sea state	Calm
Sea temperature	10
Pressure	<input type="text" value="760"/>
Humidity	50
Temperature	15

SYSTEM SETTINGS

Title	Name	Type	Value	Description
Current vessel	CurrentVessel	Lookup		Vessels lookup
Current cruise	CurrentCruise	Lookup		Cruises lookup
Submits data to shore	SubmitsDataToShore	Lookup	Master	Functional roles lookup, only user with this role can submit data to shore

LOOKUPS

VESSEL TYPES

Field	Required	Type	Description/Logics
Name	+	String (250)	
Code		String (50)	
Description		String (250)	

COUNTRIES

Field	Required	Type	Description/Logics
Name	+	String (250)	
ISO Code		String (50)	
Description		String (250)	

PORTABLE WATER

Field	Required	Type	Description/Logics
Name	+	String (250)	
Code		String (50)	
Description		String (250)	

PORTS

Field	Required	Type	Description/Logics
Name	+	String (250)	
Code		String (50)	
Description		String (250)	
Country	+	Lookup	Countries lookup

UNITS OF MEASURE

Field	Required	Type	Description/Logics
Name	+	String (250)	
Short Name		String (50)	
Code		String (50)	
Description		String (250)	

FUEL TYPES

Field	Required	Type	Description/Logics
Name	+	String (50)	
Code		String (50)	
Description		String	

ENGINE TYPES

Field	Required	Type	Description/Logics
Name	+	String (250)	
Code		String (50)	
Description		String (250)	

Engine types lookup data

Name	Code	Description
Auxiliary engine	1	
Main engine	2	
Boilers	3	
Generator	4	
Exhaust Boilers	5	
Turbines	6	

EQUIPMENT TYPES

Field	Required	Type	Description/Logics
Name	+	String (250)	
Code		String (50)	
Description		String (250)	

Equipment types lookup data

Name	Code	Description
Bow thruster	1	
Stern thruster	2	
Stabilizer	3	

RANKS

Field	Required	Type	Description/Logics
Name	+	String (250)	
Code		String (50)	
Description		String (250)	
Sequence No	+		

FLAG

Field	Required	Type	Description/Logics
Name	+	String (250)	
Code		String (50)	
Country		Lookup	Countries lookup
Description		String (250)	

TIME ZONES

Field	Required	Type	Description/Logics
Name	+	String (250)	
Code		String (50)	
Description		String (250)	
Offset	+	Integer	

ENVIRONMENTAL LIBRARY

Field	Required	Type	Description/Logics
Name	+	String (250)	
Code		String (50)	
Description		String (250)	
Active		Boolean	
Measurement	+	Lookup	Lookup Units of measurement

LOG TYPES

Field	Required	Type	Description/Logics
Name	+	String (250)	
Code		String (50)	
Not actual		Boolean	False by default
Role	+	Lookup	User roles lookup
Description		String	

Log types lookup data

Name	Code	Not actual	Role	Description
Engine	1	false	C/E	
Bunker	2	false	C/E	
Portable water	3	false	C/E	
Environmental	4	false	C/O	
Equipment	5	false	OOW	
Weather	6	false	OOW	
Distance	7	false	OOW	
Voyage performance report	8	false	OOW	

LOG PARAMETER TYPES

Field	Required	Type	Description/Logics
Name	+	String (250)	
Code		String (50)	
Description		String	
Log type	+	Lookup	Log types lookup
Not actual		Boolean	False by default
Data type		Lookup	System data types lookup
Data source		Lookup	Lookups lookup. This field is used when 'Lookup' data type is specified in 'Data type' field. This value is used to determine which lookup to use

Field	Required	Type	Description/Logics
Use units		Boolean	False by default
Unit		Lookup	Measurement units lookup

Log parameter types lookup data

Name	Code	Log type	Not actual	Data type	Data source	Use units	Unit
Engine	1	Engine	false	Lookup	Particulars lookup	false	
Fuel type	2	Engine	false	Lookup	Fuel type lookup	false	
Qty	3	Engine	false	Integer		true	Liter
RPM	4	Engine	false	Integer		false	
Passage distance GPS	5	Distance	false	Decimal (0.001)		true	km
Passage distance log	6	Distance	false	Decimal (0.001)		true	km
Passage distance current	7	Distance	false	Decimal (0.001)		true	km
Passage speed ground	8	Distance	false	Decimal (0.001)		true	knots
Passage speed water	9	Distance	false	Decimal (0.001)		true	knots
Passage speed current	10	Distance	false	Decimal (0.001)		true	knots
Nearest distance to land	11	Environmental	false	Decimal (0.001)		true	km
Port	12	Environmental	false	Lookup	Ports lookup	false	
Environmental item	13	Environmental	false	Lookup	Environmental library lookup	false	
Qty	14	Environmental	false	Integer		false	
Latitude	15	Environmental	false	String (50)		false	
Longitude	16	Environmental	false	String		false	

Name	Code	Log type	Not actual	Data type	Data source	Use units	Unit
		ntal		(50)			
Remarks	17	Environme ntal	false	String (500)		false	
Water received	18	Portable water	false	Decimal (0.001)		true	M3
Water produced	19	Portable water	false	Decimal (0.001)		true	M3
Water consumed	20	Portable water	false	Decimal (0.001)		true	M3
Weather wind direction	21	Weather	false	Integer		false	
Weather wind force	22	Weather	false	Integer		false	
Weather sea state	23	Weather	false	Integer		false	
Weather sea temperature	24	Weather	false	Decimal (0.01)		true	Celsius
Fuel type	25	Bunker	false	Lookup	Fuel types lookup	false	
Sulfur percentage	26	Bunker	false	Decimal (0.001)		false	
Qty of bunkers taken	27	Bunker	false	Integer		false	
Port	28	Bunker	false	Lookup	Ports lookup	false	
Port	29	Voyage performanc e report	false	Lookup	Ports lookup	false	
Passenger number	30	Voyage performanc e report	false	Integer		false	
Crew number	31	Voyage performanc e report	false	Integer		false	
Contractor number	32	Voyage performanc e report	false	Integer		false	

Name	Code	Log type	Not actual	Data type	Data source	Use units	Unit
ElecLoadAtSea	33	Voyage performance report	false	Decimal (0.01)		True	KwH
ElecLoadAtPort	34	Voyage performance report	false	Decimal (0.01)		True	KwH
Tenders used in port local	35	Voyage performance report	false	Integer		false	
Tenders used in port ship	36	Voyage performance report	false	Integer		false	
Arrival draft FWD	37	Voyage performance report	false	Decimal (0.01)		false	
Arrival draft AFT	38	Voyage performance report	false	Decimal (0.01)		false	
Arrival trim	39	Voyage performance report	false	Decimal (0.01)		false	
Arrival Tugs Made Fast	40	Voyage performance report	false	Integer		false	
Arrival Tugs Standby	41	Voyage performance report	false	Integer		false	
Departure draft FWD	42	Voyage performance report	false	Integer		false	
Departure draft AFT	43	Voyage performance report	false	Integer		false	
Departure Draft Trim	44	Voyage performance report	false	Integer		false	
Departure Tugs Made Fast	45	Voyage performance report	false	Integer		false	
Departure Tugs Standby	46	Voyage performance	false	Integer		false	

Name	Code	Log type	Not actual	Data type	Data source	Use units	Unit
		e report					
Cargo Carried	47	Voyage performance report	false	Decimal (0.001)		True	Tons
Remark	48	Voyage performance report	false	Unlimited length text		false	

ACTIVITY STATUSES LOOKUP DATA

Activity statuses lookup structure will not be changed.

Here is lookup data:

Name	Description	Is final	Code
Canceled		True	Canceled
Completed		True	Completed
In progress		False	InProgress
Not started		False	NotStarted
Submitted to shore		True	SubmittedToShore

ACTIVITY TYPE LOOKUP DATA

1 field will be added to the activity type

Field	Required	Type	Description/Logics
Do not use in logs		Boolean	

Here is lookup data

Name	Description	Do not use in logs	Code
Task		true	Activity
Call		true	Call
Email		true	Email
Anytime		false	Anytime
Maneuvering		false	Maneuvering

Name	Description	Do not use in logs	Code
Passage		false	Passage
Port		false	Port

ACTIVITY CATEGORY LOOKUP

Field	Required	Type	Description/Logics
Name	+	String (250)	
Description		String (250)	
Activity type	+	Lookup	Activity types lookup
Code		String (50)	
Required		Boolean	False by default
Sequence number		Integer	This field is used to maintain correct sequence of required activities
Reviewer role		Lookup	Functional roles lookup, this field is used to specify which role reviews activity
Approver role		Lookup	Functional roles lookup, this field is used to specify which role approves activity

Activity category lookup data

Name	Type	Description	Code	Required
To do	Task	Basic lookup data	1	
Meeting	Task	Basic lookup data	2	
Paper work	Task	Basic lookup data	3	
Call	Call	Basic lookup data	4	
Email	Email	Basic lookup data	5	

Name	Type	Description	Code	Required
Call	Task	Basic lookup data	6	
Change of engine	Anytime		7	
Change of fuel type	Anytime		8	
Environmental transaction end	Anytime		9	
Environmental transaction start	Anytime		10	
Noon approval	Anytime		11	
Shift End	Anytime	Passag	12	
Water transaction end	Anytime		13	
Water transaction start	Anytime		14	
Finished with engines	Maneuvering		15	
First line	Maneuvering		16	
Overtaking vessel in channel	Maneuvering		17	
Passing fairway buoy	Maneuvering		18	
Pilot boat approaching	Maneuvering		19	
Pilot handed pilot card	Maneuvering		20	
Pilot ladder rigged and	Maneuvering		21	

Name	Type	Description	Code	Required
ready				
Pilot left vessel	Maneuvering		22	
Pilot on board	Maneuvering		23	
Pilot on ladder	Maneuvering		24	
Pilotage commenced	Maneuvering		25	
Time 2 + 1 fast fore and aft	Maneuvering		26	
Time approaching berth or lock	Maneuvering		27	
Time lock gates closed	Maneuvering		28	
Time of tugs away	Maneuvering		29	
Time of tugs secured or assisting	Maneuvering		30	
Time tugs let go	Maneuvering		31	
Time tugs made fast	Maneuvering		32	
Time vessel brought up to anchor	Maneuvering		33	
1 hours notice	Passage		34	
Change of pitch	Passage		35	
Emergency	Passage		36	
EOSP	Passage		37	
FAOSP	Passage		38	

Name	Type	Description	Code	Required
Reduced visibility	Passage		39	
SaR	Passage		40	
1 hours notice	Port		41	
2 hours notice	Port		42	
Anchor cleared away	Port		43	
Last line	Port		44	
Standby (SBE standby of engines)	Port		45	
Time all fast and gangway down	Port		46	
Time anchor (and winch let got)	Port		47	
Time of any bunker	Port		48	
Time of commencement	Port		49	

ACTIVITY CATEGORY IN ROLE LOOKUP

This lookup is used to link activities and roles

Lookup has to levels:

- 1) Functional role
- 2) Activity category in role

There can be few activity categories in one role

Activity category in role object structure:

Field	Required	Type	Description/Logics
Activity category	+	Lookup	Activity category lookup
Role	+	Lookup	User roles lookup

Activity category in role lookup data

Activity category	Role
Change of engine	C/E
Change of fuel type	C/E
Environmental transaction end	C/O
Environmental transaction start	C/O
Noon approval	OOW
Shift End	OOW
Water transaction end	C/E
Water transaction start	C/E
Finished with engines	C/E
First line	OOW
Overtaking vessel in channel	OOW
Passing fairway buoy	OOW
Pilot boat approaching	OOW
Pilot handed pilot card	OOW
Pilot ladder rigged and ready	OOW
Pilot left vessel	OOW
Pilot on board	OOW
Pilot on ladder	OOW
Pilotage commenced	OOW
Time 2 + 1 fast fore and aft	OOW
Time approaching berth or lock	OOW
Time lock gates closed	OOW
Time of tugs away	OOW
Time of tugs secured or assisting	OOW
Time tugs let go	OOW
Time tugs made fast	OOW
Time vessel brought up to anchor	OOW

Activity category	Role
Time vessel brought up to anchor	C/E
1 hours notice	OOW
Change of pitch	C/E
Emergency	OOW
Emergency	C/E
EOSP	OOW
EOSP	C/E
FAOSP	OOW
FAOSP	C/E
Reduced visibility	OOW
SaR	C/E
SaR	OOW
1 hours notice	OOW
2 hours notice	OOW
Anchor cleared away	OOW
Last line	OOW
Standby (SBE standby of engines)	C/E
Time all fast and gangway down	OOW
Time all fast and gangway down	C/E
Time anchor (and winch let got)	OOW
Time anchor (and winch let got)	C/E
Time of any bunker	C/E
Time of commencement	OOW

LOG TYPE IN ACTIVITY CATEGORY LOOKUP

This lookup is used to link activity categories and log types

Lookup has to levels:

- 1) Activity category
- 2) Log type in activity category

There can be few log types in one activity category

Log type in activity category object structure:

Field	Required	Type	Description/Logics
Activity category	+	Lookup	Activity category lookup
Log type	+	Lookup	Log types lookup

Log type in activity category lookup data

Activity category	Log type
Change of engine	Engine
Change of fuel type	Engine
Environmental transaction end	Environmental
Environmental transaction start	Environmental
Noon approval	Voyage performance report
Shift End	Weather
Water transaction end	Portable water
Water transaction start	Portable water
Finished with engines	Engine
First line	Distance
Overtaking vessel in channel	Distance
Passing fairway buoy	Distance
Pilot boat approaching	Distance
Pilot handed pilot card	Distance
Pilot ladder rigged and ready	Distance
Pilot left vessel	Distance
Pilot on board	Distance
Pilot on ladder	Distance
Pilotage commenced	Distance
Time 2 + 1 fast fore and aft	Distance

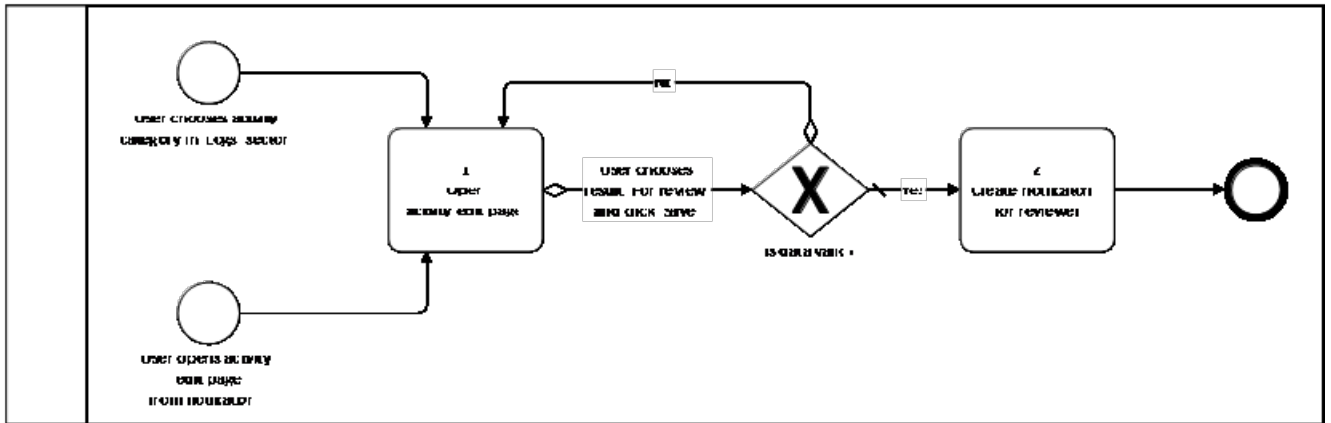
Activity category	Log type
Time approaching berth or lock	Distance
Time lock gates closed	Distance
Time of tugs away	Distance
Time of tugs secured or assisting	Voyage performance report
Time tugs let go	Distance
Time tugs made fast	Distance
Time vessel brought up to anchor	Distance
Time vessel brought up to anchor	Engine
Change of pitch	Engine
Change of pitch	Equipment
Emergency	Distance
Emergency	Engine
Emergency	Weather
EOSP	Engine
EOSP	Distance
EOSP	Equipment
FAOSP	Engine
FAOSP	Equipment
Reduced visibility	Weather
SaR	Distance
SaR	Engine
SaR	Weather
Last line	Equipment
Standby (SBE standby of engines)	Engine
Time all fast and gangway down	Engine
Time all fast and gangway down	Distance
Time all fast and gangway down	Equipment
Time anchor (and winch let got)	Engine
Time anchor (and winch let got)	Distance

Activity category	Log type
Time anchor (and winch let got)	Equipment
Time of any bunker	Bunker
Time of commencement	Voyage performance report



BUSINESS PROCESSES

MANUAL LOG ENTRY/REWORK EXECUTION

Process scheme:

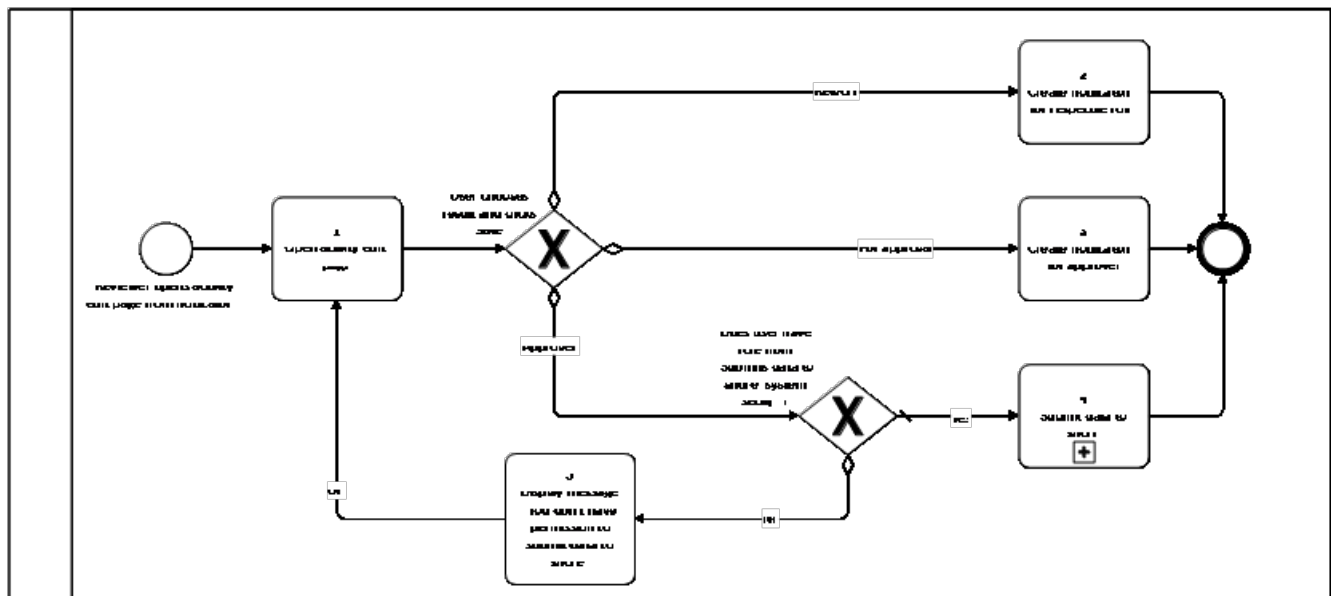


Process elements description:


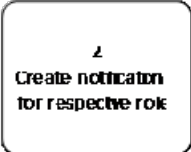

Element	Description
 <p>1 User activity edit page</p>	<p>Activity edit page is opened with following default values:</p> <ol style="list-style-type: none"> 1) Vessel = Vessel from system setting 'Current vessel' 2) Cruise = Cruise from system setting 'Current cruise' 3) Responsible = 'Current user' 4) Type = type of the selected category 5) Category = selected category
 <p>2 Create notification for review</p>	<p>New notification is created with following parameters:</p> <ol style="list-style-type: none"> 1) Object = current activity 2) Text = 'Please review [Activity category name]' 3) To = User, who has role from Activity.CategoryReviewer role, if 'Activity.CategoryReviewer role' is empty – than user who has role from Activity.CategoryApprover role <p>System generates one notification per reviewer if there are more than one users with respective role</p>



APPROVAL AND REJECTING OF SUBMITTED LOG DATA

Process scheme:



Process elements description:

Element	Description
	Activity edit page is opened
	<p>New notification is created with following parameters:</p> <ol style="list-style-type: none"> 1) Object = current activity 2) Text = 'Please execute rework for [Activity category name]' 3) To = User, who has role from 'Activity category in role' lookup for respective Activity category, <p>System generates one notification per user if there are more than one users with respective role</p>
	<p>New notification is created with following parameters:</p> <ol style="list-style-type: none"> 1) Object = current activity 2) Text = 'Please approve [Activity category name]' 3) To = User, who has role from Activity.Category.Approver role <p>System generates one notification per approver if there are more than one users with respective role</p>

Element	Description
	<p>This functionality will be described in TD for 4th delivery according to the 11/01/2015 project plan</p>
	<p>User gets message box with text 'You don't have permission to submit data to shore' with 'OK' button</p>

We recommend to use 'Feed' tab in Activity edit page for large comments regarding rework of rejected activities.