

# The Fleet.NET

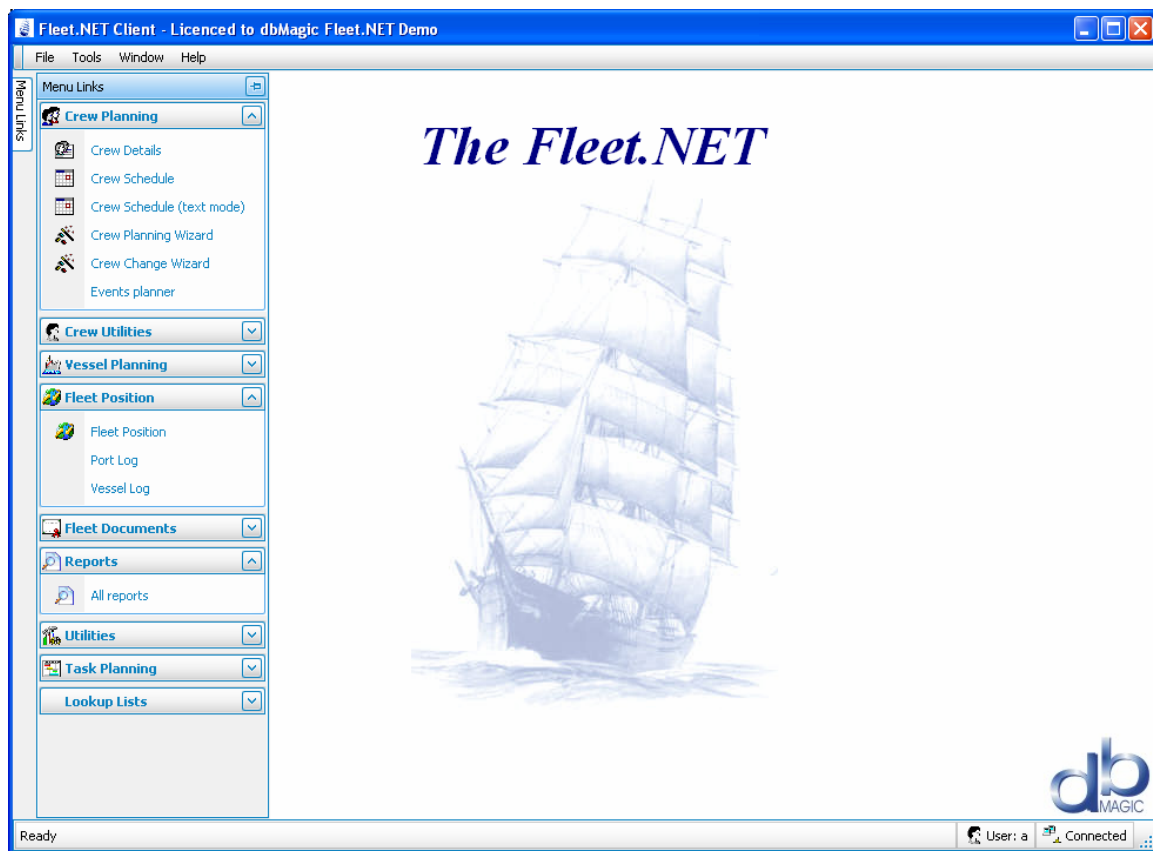
The Fleet.NET is advanced personnel and vessel activity planning system, designed specifically for ship management companies.

Perfect solution for global maritime organisations, it support by design companies with multiple offices around the world and their diverse organizational structure.

Developed completely in C# for .NET 2.0 as n-tier Client - Server application with MS SQL Server as back-end database server, it gives you unlimited growth potential, and peace of mind to know that your software investment is developed with latest technology, securing that you won't be 'left behind' by today's fast software and hardware progress.

The Fleet.NET client application can connect to server application through any internet connection, and it's optimized to work without any degradation of performance even through slow dial-up connection by utilizing transparent data compression on both sides, thus allowing users to connect to main office server from anywhere, being that another office, home or airport hot-spot while travelling.

All data are kept centrally in single SQL server database, having advantage that everything is always up to date, without waiting to transfer of data from remote offices.



## The Fleet.NET modules:

### Crew Details

This module enables you to keep all relevant information about crew member on one place:

- Address and next of kin
- Documents, certificates, endorsements etc
- Past service history, current position and any planned service
- Interview and briefing details
- Promotion and appraisals
- Alerts and warning before on board
- **Scan crew documents** - You can scan crew documents directly from the application, and store them on the server for immediate availability to all users (if they have sufficient rights to see them). This enables you to have immediate visual check if all documents for a crew / vessel are correctly entered into database, and as well, if users in other office need any of those documents, they have them immediately, without need to fax them or send them some other way.

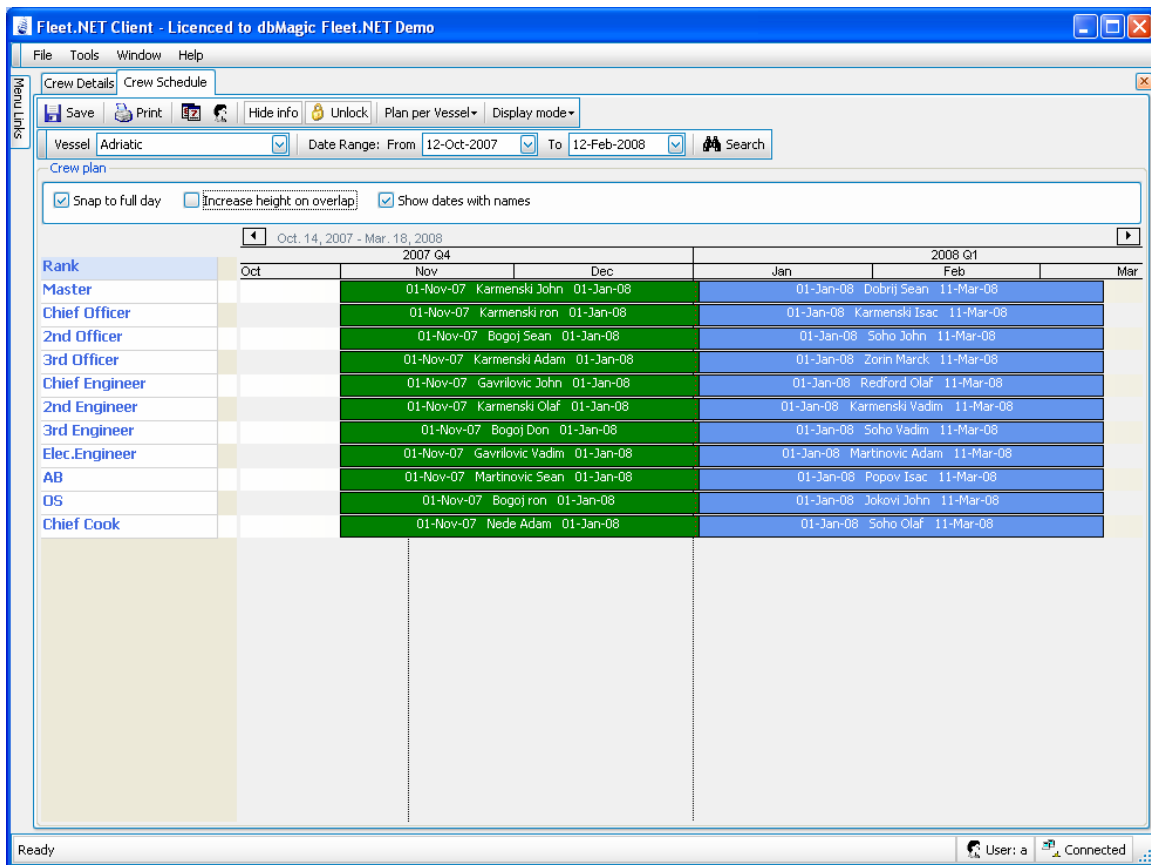
The screenshot displays the 'Fleet.NET Client - Licenced to dbMagic Fleet.NET Demo' window. The main form is titled 'Crew Details' and shows the following information for a crew member:

- Search/Filter:** First Name: Don, Last Name: Karmenski, Rank: 2nd Officer, Nationality: Russian, System: Branch Office 2, Active only: checked.
- General Tab:**
  - Old ID: [Empty]
  - Crew ID: 213
  - Date of Birth: 22/07/1970
  - Place of Birth: [Empty]
  - Nationality: Russian
  - Crew Agency: [Empty]
  - Fleet System: Branch Office 2
  - Languages: [Empty]
  - Nationality Of Staff Sailed With: [Empty]
  - Current status: Off vessel
  - Available From: 03/02/2003
  - Buttons: Promotion, Bonus, Export
  - Photo: [Empty]
  - Briefing Description: [Empty]
  - General Description: a2,b2,c1,d1,e2,f1,g2,h2,j2, English good -ak/jan01 a2=b3=f1= g3= h3= jhw again ak/jul01 A2-B2-C1-D1-E2-F1-G2-H2-I2-J2-K2 =RIV 30/09/01 PH /July 02 Suitability above Co-operation above - Initiative above Ism average - Commer average- English above Promotion yes to 2jo Cpt Blaszyński/Nov02/ a3=b3=c1=d1=e3=f1=g2=h3=i2=j2=k2=
  - Checkboxes: Not suitable for re-employment, Left Company

## Crew Planning

This module enables you to plan crew and test their feasibility. The system will warn you if you attempt to assign a person to a position on board that they are not fully qualified for, or if you try to assign anyone who is unavailable due to leave, another duty, training or sick leave.

A comprehensive vessel register with all required technical and operational information on each vessel enables you to setup required documents for each position on board vessel, and then to select only crew members who have all required documents valid during required sea service.



Some of advanced features of planning module:

In addition to usual crew schedule, this module has several tools that can help you plan crew members more efficiently:

- **Graphical crew planner** - Advanced graphical crew planner, with intuitive interface and automatic display and marking of overlapping schedules, zoom in-out features, easy scrolling and zooming, makes planning crew members both easy and fun.

- **Recurring service** - If you have regular crew changes, you can define recurring periods, and crew members will be automatically planned for future services – (typically on ferries)
- **Crew planning wizard** - With this wizard, you can plan crew for entire vessel with just a few mouse clicks! Just select vessel and desired time period, and program will search database for available crew members in that period who meet criteria regarding rank and required documents for that vessel. After just a few steps, you have whole crew planned. In addition, here as well you can select plan to be recurring, and system will generate several scheduled services in the future as well.
- **Crew Change Wizard** - Do you have often crew changes, or you need to sign on/off 20 crew members at the same port? No problem, Crew change wizard is designed to do exactly that – make crew change as simple and easy as possible. Just select which crew members on board you are signing off, and of those planned who is signing on, and this wizard will do it all with single mouse click. In addition, you can adjust sign on/off dates to reflect current situation and change them all at once, without a need to go through the list and do it one by one.
- **MS Word/Excel integration** - From crew change wizard you can generate variety of letters for port authorities, port agents, guarantee letters for visa authorities etc and export them to MS Word or Excel for further customization, or just to send them as attachment.
- **Short activities** - The Fleet.NET support planning on periods shorter than a day (down to a minute), allowing you to plan some short vessel tasks, like tug or ferry service, short repairs etc. Or for a crew, some short crew activities like half a day leave, training etc.
- **Crew Activity planning** - In addition to standard crew planning for sea service, you can plan crew for any other 'Activity'. This for example, make it easy to plan crew members for on-shore training course, as system will warn you that crew member is on board the vessel at that time and thus unavailable for such activity. In addition, you can assign colour code to each activity for easy identification in the graphical crew plan.

## Vessel Activity Planning

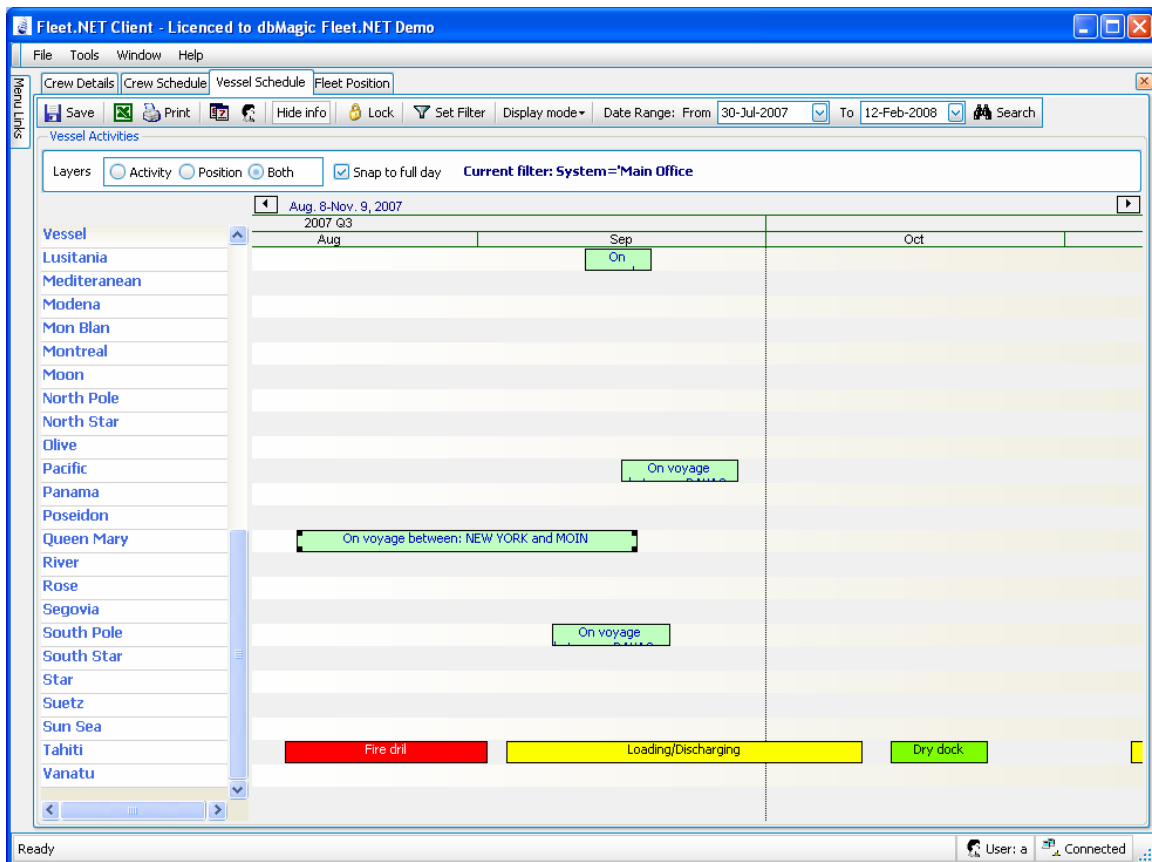
This module allows easy entry of vessel specific time-relevant events such as docking or repair periods, charter delivery/redelivery, or specific deployment periods (such as for utility vessels like salvage tugs, survey vessels etc.).

All vessel activities can be defined by end user, giving you option to customize scheduler to exactly fit your needs.

You can see for examples all planned docking/repair periods on a fleet basis or planned vessel utilization fleet wide and act accordingly.

Vessel activity planning offers same interface and capabilities as crew planning, and in addition, you can 'overlay' both planned vessel activities, fleet position and crew activities in selected period, giving you instant visual picture of any errors in the plan (e.g. planned crew change in the middle of the voyage, multiple masters on board, dry dock while vessel should be somewhere else etc.)

Same as for crew activities, vessel activities can be planned for any period of time, down to a minute.



## Fleet Position

Unique Fleet Position module allow you to keep full record of all voyages, operations, messages, and positions that vessel had while under your management, together with vessel and port notes, port agent details, contact information...

You can enter “Per Port” or “Per Vessel” notes and archive them for future use.

For example, stringent port requirements, problematic anchorages, difficult berths, ports specific incidents etc. - in fact anything that would be of interest and value to vessels in the future and which could be used to minimize or reduce the risk of incident. Is quality of tugs a problem? Enter it in the database and therefore ensure that all future Masters are reminded of the fact. Is the holding ground in the outer roads poor, or specific berths subject to groundswell? Record it. Pro-active management is fundamental to controlling and minimizing unwanted events. This function greatly assists the ops team.

The screenshot shows the 'Fleet Position' tab in the Fleet.NET Client. The main window displays a table with the following data:

V.No	Vessel	Current port	Operation	Arrived	Time	ETS Date	Time	Sailed	Time	Next Port	ETA Date	Time
1	Lusitania	TURBO	Loading	10-Sep-07	12:30	11-Sep-07	23:00	12-Sep-07	04:00	BRIDGEPORT	18-Sep-07	23:59
1	Pacific	DAVAO	Loading	06-Sep-07	09:12	15-Sep-07	12:00	16-Sep-07	16:18	BUSHIRE	28-Sep-07	14:00
1	Queen Mary	NEW YORK	Bunkering	12-Sep-07	16:54	13-Sep-07	04:00	13-Aug-07	04:30	MOIN	17-Sep-07	15:00
1	South Pole	DAVAO	Loading	30-Aug-07	13:30	07-Sep-07	12:00	08-Sep-07	20:30	BUSHIRE	21-Sep-07	00:30
1	Tahiti	ZARATE	Loading	09-Sep-07	06:00	13-Sep-07	12:00	30-Dec-99	00:00	SALVADOR (B...	30-Dec-99	00:00

Below the table, there is a form for editing details for the selected vessel 'Lusitania':

- Vessel: Lusitania
- Voyage No: 1
- Current Port: TURBO
- Operation: Loading
- Port Agent: TURBADUANA Y CIA, LTDA

At the bottom of the form, there are tabs for 'Current Port', 'Arrival Message', 'Departure Message', 'Position Messages', and 'Arrival to Next Port'. The status bar at the bottom indicates 'Ready' and 'User: a Connected'.

## Fleet Documents

Fleet documents module make it easy to identify documents that are about to expire across whole fleet. You do not need to go through whole crew list, and then select crew one by one just to check if all crew members have valid documents - this module can check them all from one place. By selecting various filtering option, you can easily identify if for example all crew members have valid visa before vessel enters the port, or does vessel have all required certificates.

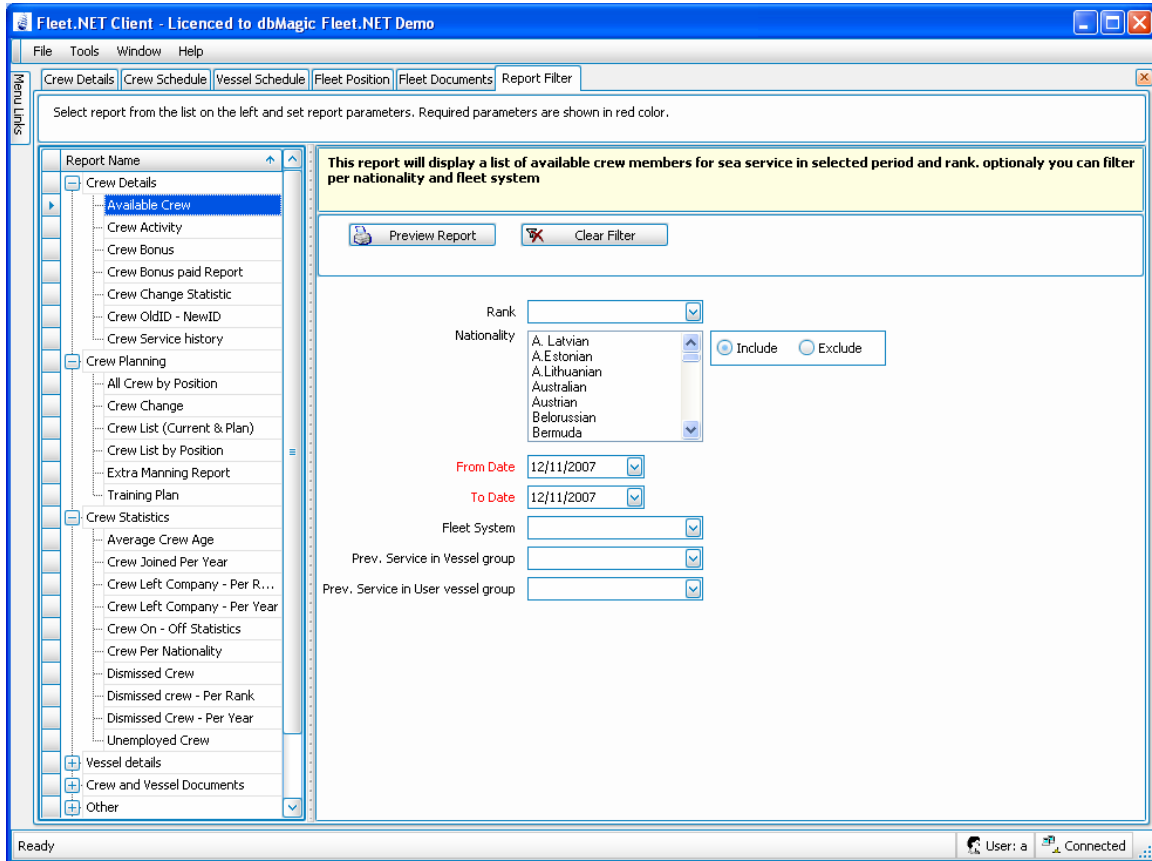
Fleet Documents module works both with crew and vessel documents, so you can check them all from one place.

The screenshot shows the 'Fleet Documents' window in the Fleet.NET Client. The window title is 'Fleet.NET Client - Licenced to dbMagic Fleet.NET Demo'. The menu bar includes 'File', 'Tools', 'Window', and 'Help'. The main menu has 'Crew Details', 'Crew Schedule', 'Vessel Schedule', 'Fleet Position', and 'Fleet Documents'. The 'Fleet Documents' menu is active, showing options like 'Save', 'Scan', 'Edit', and 'Delete'. Below the menu, there are filters for 'Crew Documents', 'On Board and Plan', 'Set Vessel Filter', 'Rank', 'Expires before' (set to '12-Dec-2007'), 'Search', and 'Clear Filter'. The main area displays a table of document records with the following columns: Document, Crew Name, Rank, Doc. T..., Doc. Na..., Number, Issued..., Country, Issue D..., Expiry D..., File Na..., and Unlimited. The 'Document' column has a tree view on the left with 'GMDSS' selected. The table contains 29 records, with the first one highlighted. The status bar at the bottom shows 'Ready' and 'User: a Connected'.

Document	Crew Name	Rank	Doc. T...	Doc. Na...	Number	Issued...	Country	Issue D...	Expiry D...	File Na...	Unlimited
gas welder	Avramo Adam	Master	Licence	GMDSS	154/1999						<input type="checkbox"/>
Gibraltar	Martinovic ron	2nd Officer	Licence	GMDSS	154/1999			07/07/1...	01/02/2002		<input type="checkbox"/>
Gibraltar Officer	Karmenski Marck	Master	Licence	GMDSS	2918	MSA		20/06/1...	02/04/2003		<input type="checkbox"/>
GMDSS	Bogoj ron	2nd Officer	Licence	GMDSS	110/1998	Latvia		05/05/1...	05/05/2003		<input type="checkbox"/>
GOC	Karmenski Don	2nd Officer	Licence	GMDSS	181/98	Russia		11/06/1...	11/06/2003		<input type="checkbox"/>
Hazmat	Bogoj Sean	2nd Officer	Licence	GMDSS	75/98	Latvia		15/09/1...	15/09/2003		<input type="checkbox"/>
Hempel Course	Soho John	2nd Officer	Licence	GMDSS	29/98	Lithuania		18/11/1...	18/11/2003		<input type="checkbox"/>
High Voltage Training	Dobrij Evan	2nd Officer	Licence	GMDSS	344/99	Latvia		24/09/1...	21/05/2004		<input type="checkbox"/>
Hull Integrity	Popov Adam	3rd Officer	Licence	GMDSS	241/1999	Lithuania		21/06/1...	21/06/2004		<input type="checkbox"/>
Inert Gas System	Soho ron	2nd Officer	Licence	GMDSS	516/99	Latvia		10/12/1...	26/11/2004		<input type="checkbox"/>
Lib - AB	Jokovi John	OS	Licence	GMDSS	510/99			02/12/1...	02/12/2004		<input type="checkbox"/>
Lib - Ch. Eng	Soho Adam	2nd Officer	Licence	GMDSS	552/2000	Latvia		09/02/2...	03/02/2005		<input type="checkbox"/>
Lib - Chief Off	Karmenski Don	2nd Officer	Licence	GMDSS	617/2000	Latvia		16/06/2...	12/06/2005		<input type="checkbox"/>
Lib - Deck Off	Martinovic ron	3rd Officer	Licence	GMDSS	640/00	Latvia		13/07/2...	06/07/2005		<input type="checkbox"/>
Lib - Eng Off	Avramo Olaf	3rd Officer	Licence	GMDSS	00401/2004/01	Ukraine		15/06/2...	07/02/2006		<input type="checkbox"/>
Lib - GMDSS	Redford Don	2nd Officer	Licence	GMDSS	00652/2004/08/	Ukraine		08/06/2...	19/02/2006		<input type="checkbox"/>
Lib - Master	Karmenski Evan	3rd Officer	Licence	GMDSS	0015487	Russia		04/04/2...	13/04/2006		<input type="checkbox"/>
Liquified Gas Tanker	Furtes Y	Chief Offi...	Licence	GMDSS	0015578			18/05/2...	18/05/2006		<input type="checkbox"/>
Marine evacuation...	Karmenski Vadim	2nd Officer	Licence	GMDSS	0015660	Russia		20/06/2...	01/06/2006		<input type="checkbox"/>
Marinero	Loter Evan	Master	Licence	GMDSS	0015681	Russia		27/06/2...	08/06/2006		<input type="checkbox"/>
Marinero Preferente	Nede Adam	2nd Officer	Licence	GMDSS	0015682	Russia		27/06/2...	27/06/2006		<input type="checkbox"/>
Maritime English	Gavrilovic Adam	3rd Officer	Licence	GMDSS	114/2001	Ukraine		04/07/2...	04/07/2006		<input type="checkbox"/>
Marlins Test											
Marsh. Islands Elec.											
Marsh. Islands Bosun											
Marshell Tolands											
	Total 59 records										

## Reports

- Some 50+ reports are available covering various areas of crew and vessel management, from simple crew list to advanced statistical report showing number of crew changes, retention rate etc.
- Reports are designed in such a way that adding new reports to application do not require new application version, all it takes is to save report definition on the server machine and it's immediately available to all users around the world.





## General application features

- **Colour coding**

All crew and vessels activities have user definable colour coding, for easy visual identification on the plan.

- **Different user rights**

There is several user levels enabling you to define which user can view or edit specific data. Companies with multiple offices around the world are supported by design, allowing you to setup your fleet and crew members around office (or Fleet System in internal terminology), and have vessels, crew members and users 'belong' to specific office/system.

You can assign different rights to users in different offices, and in addition same user can have different rights in different systems. This for example, enables you to give user read/write access to crew planning in one system, and read only in some other system, or you can give users in crewing agency rights to only enter or edit crew member's personal details, without right to plan them or sign them on/off. User can have any combination of rights in different systems.

- **Ports** - The database contains an extensive list of world ports already entered for your convenience.
- **Agents** - The user can build up a comprehensive list of Agents word-wide, which will then be available to all users of the software and it's in use in various parts of the application.