

BOSS

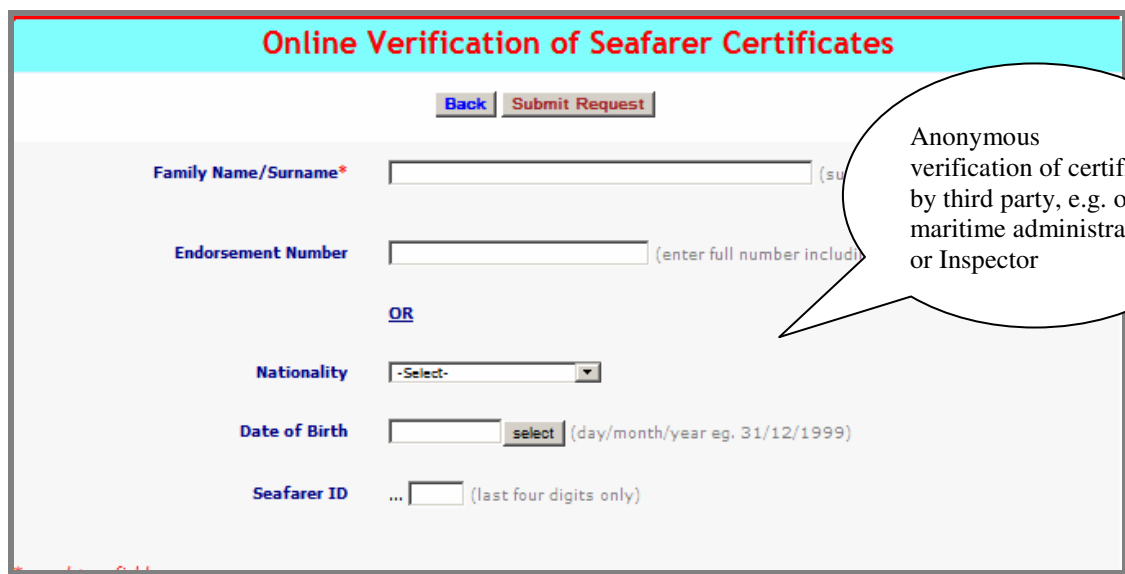
A secure web based system designed by Fulcrum Maritime to assist Flag Administrations with the management of seafarer certificates and documentation

Designed by Flag Administrations for Flag Administrations, the concept behind the system is “minimum effort” and “maximum efficiency”.

The system is designed to meet the criteria for management of certification as specified in the STW regulations.

- **No special equipment needed**
- **Plug and play (minimum configuration required/ready to use)**
- **Purpose built for STCW**
- **Improve efficiency of process for issuing certificates**
- **Fast turn around of certification requests**
- **Reduce administrative overheads**
- **Database of seafarer profiles**
- **Document Management System included**
- **Accounting included (automatic generation of invoices and receipts)**
- **Agents can input requests directly and track request status online**
- **Option to send out CRA with no delay**
- **Available 24 x 7**
- **Online Verification of Certification by third parties**

The system gives full control to the Ship Register. It enables the Ship Register to receive requests for Endorsements, Temporary Endorsements, Certificates of Competency, Certificates of Proficiency and Seaman's Record Books and to process them in a cost effective and efficient manner.



The screenshot shows a web form titled "Online Verification of Seafarer Certificates". At the top, there are two buttons: "Back" and "Submit Request". The form contains several input fields:

- Family Name/Surname***: A text input field with a "(su)" label.
- Endorsement Number**: A text input field with a "(enter full number includ)" label.
- OR**: A blue link.
- Nationality**: A dropdown menu with "-Select-" selected.
- Date of Birth**: A date input field with a "select" button and a "(day/month/year eg. 31/12/1999)" label.
- Seafarer ID**: A text input field with a "..." prefix and a "(last four digits only)" label.

A speech bubble on the right side of the form contains the text: "Anonymous verification of certificate by third party, e.g. other maritime administration or Inspector".

Welcome *Firstname Lastname*

The Bespoke Online Seafarer System

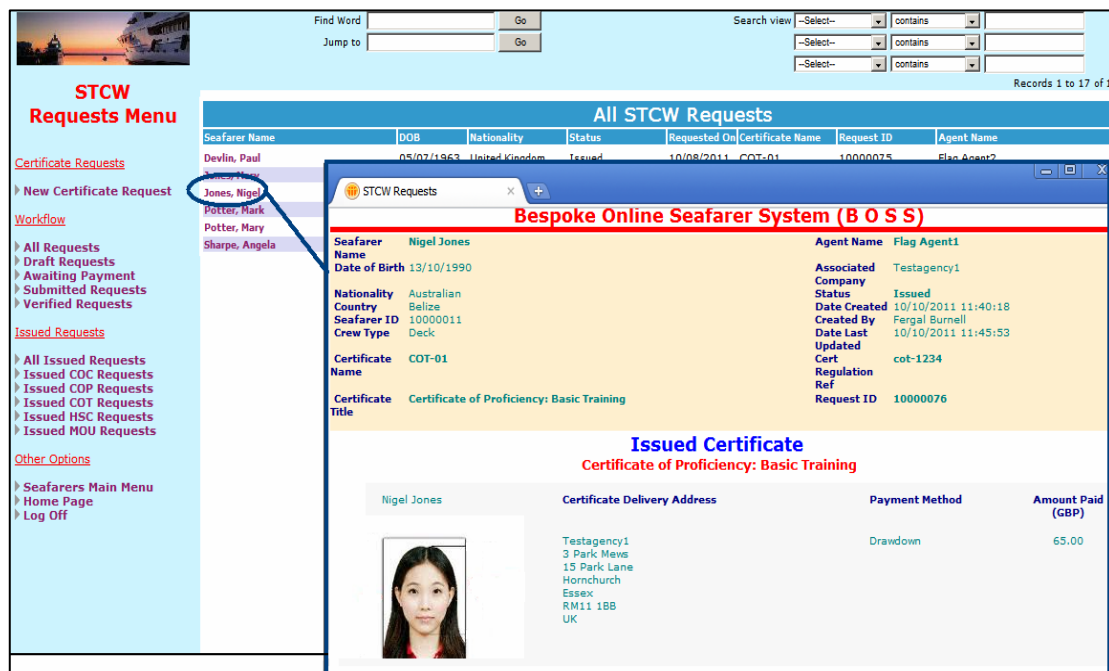


Please select an option from the menu...

Documents can be distributed electronically, saving the cost of couriering documents.

This system is designed with longevity in mind to provide maritime administrations with a strategic platform to meet STCW Requirements to 2017 and beyond.

The system has multiple levels of access built in, enables Manning Agents to have direct access to the system to input the bulk of the data (reducing the overhead on the Flag Administration) and is accessible 24 hours a day and 365 days per year.



The screenshot displays the BOSS web application interface. On the left is a 'STCW Requests Menu' with categories like Certificate Requests, Workflow, Issued Requests, and Other Options. The main area shows a table of 'All STCW Requests' with columns for Seafarer Name, DOB, Nationality, Status, Requested On, Certificate Name, Request ID, and Agent Name. A search bar is at the top. A pop-up window shows the details for a specific request for Nigel Jones, including his personal information, certificate details, and a table for 'Issued Certificate' with columns for Name, Certificate Delivery Address, Payment Method, and Amount Paid (GBP).

Seafarer Name	DOB	Nationality	Status	Requested On	Certificate Name	Request ID	Agent Name
Devlin, Paul	05/07/1963	United Kingdom	Issued	10/08/2011	COT-01	10000075	Flag Agent2
Jones, Nigel							
Potter, Mark							
Potter, Mary							
Sharpe, Angela							

Seafarer	Name	Date of Birth	Nationality	Country	Seafarer ID	Crew Type	Certificate Name	Certificate Title	Agent Name	Flag Agent	Associated Company	Status	Date Created	Created By	Date Last Updated	Cert	Regulation	Ref	Request ID
Nigel Jones		13/10/1990	Australian	Belize	10000011	Deck	COT-01	Certificate of Proficiency: Basic Training	Flag Agent1	Testagency1	Testagency1	Issued	10/10/2011 11:40:18	Fergal Burrell	10/10/2011 11:45:53	cot-1234		10000076	

Name	Certificate Delivery Address	Payment Method	Amount Paid (GBP)
Nigel Jones	Testagency1 3 Park Mews 15 Park Lane Hornchurch Essex RM11 1BB UK	Drawdown	65.00

BOSS System Features

- Handles CRA, Endorsement, Seaman's Record Books, Certificate of Competency, Certificate of Proficiency, and more
- Allows Flag to add their own customised templates for certificates

Endorsement No. 01003/00

Endorsement attesting the recognition of a certificate under the provisions of the International Convention on Standards of Training, Certification and Watchkeeping for Seafarers, 1978, as amended. (Merchant Shipping Act, section 69 and Telecommunications Act, section 30)

The Government of the Commonwealth of The Bahamas certifies that the Certificate:

Number	Surname	Given names	Issuing government



is duly recognised in accordance with the provisions of regulation 110 of the above Convention, as amended, and the lawful holder is authorised to perform the following functions at the levels specified, subject to any limitations indicated until the date of expiry shown below.

Function	Level	Limitations applying
Radiocommunication	Operational	None

The lawful holder of this endorsement may serve in the following capacity or capacities specified in the applicable safe manning requirements of the Bahamas Maritime Authority.

Capacity	Limitations
IMDSS General Operator Certificate	NIL

Reference Number: Date of Issue: 24 September 2001 Date of Expiry: 16 January 2006

 Signature of authorized official: 

Name of authorized official: Date of birth of the holder of the certificate: 25 July 1949


Signature of the Holder of the certificate:

The original of this endorsement must be kept available in accordance with paragraph 9 of regulation 112 of the Convention while serving on a ship.

- Enables reissues, duplicates and renewals with minimum administrative overhead
- Online forms with drop down menus to speed up data input

Save Save & Close Close Cancel Request Request Back to Agent Request Verified

Paul Devlin Certificate Delivery Address Payment Method

 Testagency1
3 Park Meads
15 Park Lane
Hornchurch
Essex
RM11 1BB
UK Drawdown

Amount Paid (GBP)	Invoice Date	Invoice Number
65.00	27/07/2011	BHW/000289/IN

Add rejection comments, to be included in email, when rejecting back to agent:

Rejection Comments*

Seafarer may serve in the following capacity

Capacity*

1 Chief Mate Not valid for service in passenger ships and ro-ro passenger ships, dynamically supported and high speed craft

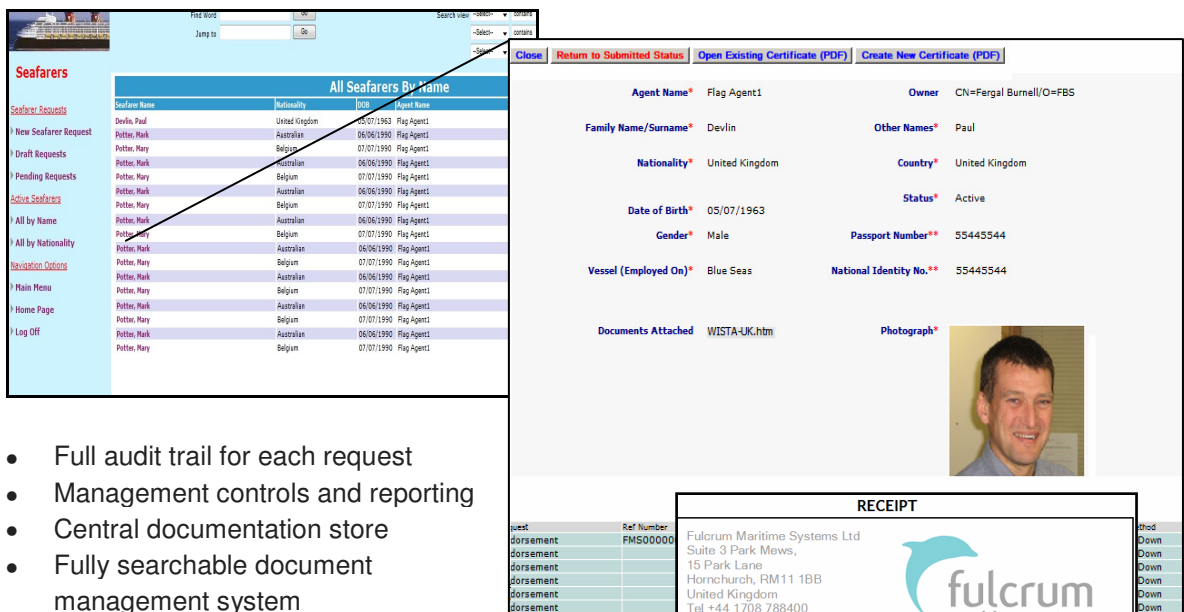
2 -Select- -Select-

3 -Select- -Select-

4 -Select- -Select-

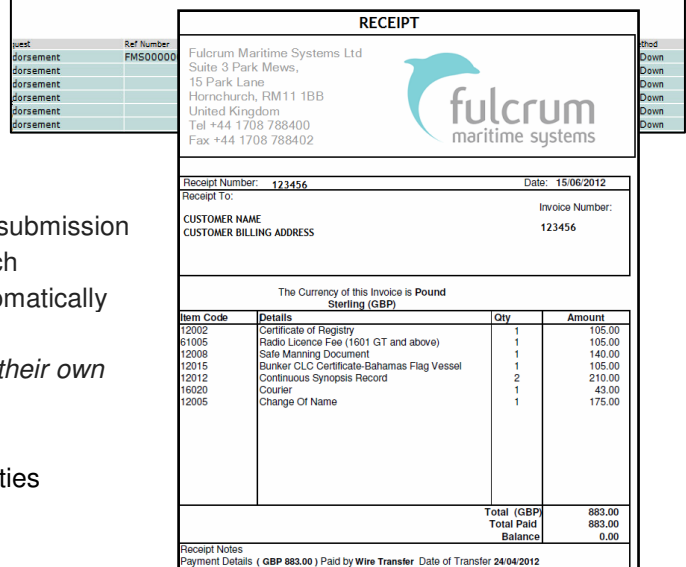
5 -Select- -Select-

- Unique document numbers and anti-fraud features for each document
- Central database of seafarer profiles
- Fast retrieval of seafarer records



The screenshot shows the BOSS web interface. On the left, there is a navigation menu with options like 'Seafarers', 'Seafarer Requests', 'Draft Requests', 'Pending Requests', 'Active Seafarers', 'All by Name', 'All by Nationality', 'Navigation Options', 'Main Menu', 'Home Page', and 'Log Off'. The main area displays a table titled 'All Seafarers By Name' with columns for Seafarer Name, Nationality, Date of Birth, and Position Name. A detailed view of a seafarer's profile is shown on the right, including fields for Agent Name, Owner, Family Name/Surname, Other Names, Nationality, Country, Date of Birth, Gender, Status, Passport Number, Vessel (Employed On), National Identity No., Documents Attached, and Photograph.

- Full audit trail for each request
- Management controls and reporting
- Central documentation store
- Fully searchable document management system
- Email notifications can be configured and generated
- Save requests in draft format prior to submission
- Submit requests individually or in batch
- Invoices and Receipts generated automatically
- Payment reconciliation
- Manning Agents may input and track *their own* requests online
- Web based client access 24 * 7
- Verification of Certificates by third parties



The screenshot shows a RECEIPT document from Fulcrum Maritime Systems Ltd. The receipt includes the company name, address, and contact information. It also contains a table of items with columns for Item Code, Details, Qty, and Amount. The total amount is 883.00 GBP, and the total paid is 883.00 GBP, with a balance of 0.00 GBP. The receipt notes indicate that the amount was paid by wire transfer on 24/04/2012.

Item Code	Details	Qty	Amount	
12002	Certificate of Registry	1	105.00	
81005	Radio Licence Fee (1601 GT and above)	1	105.00	
12008	Safe Manning Document	1	140.00	
12015	Bunker CLC Certificate-Bahamas Flag Vessel	1	105.00	
12012	Continuous Synopsis Record	2	210.00	
16020	Courier	1	43.00	
12005	Change Of Name	1	175.00	
			Total (GBP)	883.00
			Total Paid	883.00
			Balance	0.00

About Fulcrum Maritime Systems

Fulcrum Maritime Systems was established in 2008 and provides software systems to the maritime sector. We work closely with Vessel Owners, Maritime Administrations, Security Forces and the IMO to ensure that our systems fully meet the requirements of today's shipping professionals. Our systems are used by some of the largest ship registries and we track over 5000 vessels around the globe for vessel owners and shipping administrations.

Other products available from Fulcrum include:

- Vessel Tracking Systems
- LRIT Data Centres
- Fishing Monitoring Centre
- Messaging Systems
- LRIT Conformance Testing
- Vessel Registration Systems
- Systems Integration

Further Information

For further information or to arrange a demonstration please contact Karen Day on:

Email: kday@fulcrum-maritime.com