



## **e-Freight – Version 3**

**What's New**

*Oct, 2007*

*NeoSoft Technologies Pvt. Ltd., Bangalore.*

*ExcelSoft Pvt. Ltd., Colombo.*

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# 1 Introduction

NeoSoft has launched a new improved version of **e-Freight**, software for Freight Forwarding industry. Many technical improvements and usability improvements are incorporated in the new version comparing the previous versions. Few of these are described in following sections.



## 2 Features

### 2.1 User Features

This document describes new and improved features incorporated in e-Freight, the software for Freight Forwarders.

#### 2.1.1 Rich GUI

Even though e-Freight is a web application, it was always being commented for its rich GUI interface which is as good as any desktop application right from its first version launched in the year 2001. With the new version, we have made it much better. Refer the sample screen below.

http://124.153.101.26:8080 - eFreight V3.0 - Mozilla Firefox

Air Freight | Sea Freight | Finance | Masters | Administration | Sales | Stores | Help

**e-Freight** Welcome, VIRAJ  
Licensed to NeoSoft Technologies Pvt Ltd

Exp. Job Card/HAWB Trn

Mode : EDIT

Copy Save Cancel

Header | Route | Cargo | Rate | Letter

Job Card/House Info

Doc Location\* CMB | Comp Code\* DEL | Branch Code\* LANKA  
Doc Type\* HAWB | Doc No\* 205 | Doc Date\* 19-11-2007  
Direct Shipment  | HAWB Date cut

Shipper Info

Shipper Code\* BARATHCO | HAWB No  
Shipper Name BARATHCO INTERNATIONAL INC | MAWB No  
Shipper Address BARATHCO INTERNATIONAL INC 390 FRAKLIN AVE FRANKLIN SQURE NY 11010 | Sub Master No  
Shipper AC No 45678 | Tot. Gross Wt 0  
Shipper Ref | Tot. Charge Wt 0  
Total Pieces 0  
Total CBM 0

Consignee Info

Consignee Code\* BARATHCO | Issue Agent Code\* DARTCMB  
Consignee Name BARATHCO INTERNATIONAL INC | Issue Agent Name Dart Express Lanka (Pvt) Ltd.  
Consignee Address BARATHCO INTERNATIONAL INC 390 FRAKLIN AVE FRANKLIN SQURE NY 11010 | Issue Agent Address Dart Express Lanka (Pvt) Ltd. Dart Freight Centre 260, Sri Ramanathan Mawatha, Colombo 15, Sri Lanka  
Consignee AC No 45678 | Issue Agent AC No 1234

Done

## 2.1.2 Themes

User may switch colors of the screen by switching themes. User can change the current theme by clicking the small boxes with different colors on the right top side of the screen. i.e next to the User id displayed. See the sample screen below.

http://124.153.101.26:8080 - eFreight V3.0 - Mozilla Firefox

Air Freight ▾ Sea Freight ▾ Finance ▾ Masters ▾ Administration ▾ Sales ▾ Stores ▾ Help ▾

**e-Freight** Welcome, RAVI ■ ■ ■  
Licensed to Dart Express India Pvt Ltd

**Company Master** + ✎ ✂ 🔍 🖨 ⏏

Mode : VIEW Add Edit Cut View Print Exit

**Company Info**

Doc Location\*  ▾

Company Code\*  ▾

Company Name\*

Company Address\*

Telephone No.

Fax No.

Email Address\*

Vat No.

Base Currency Code\*  ▾

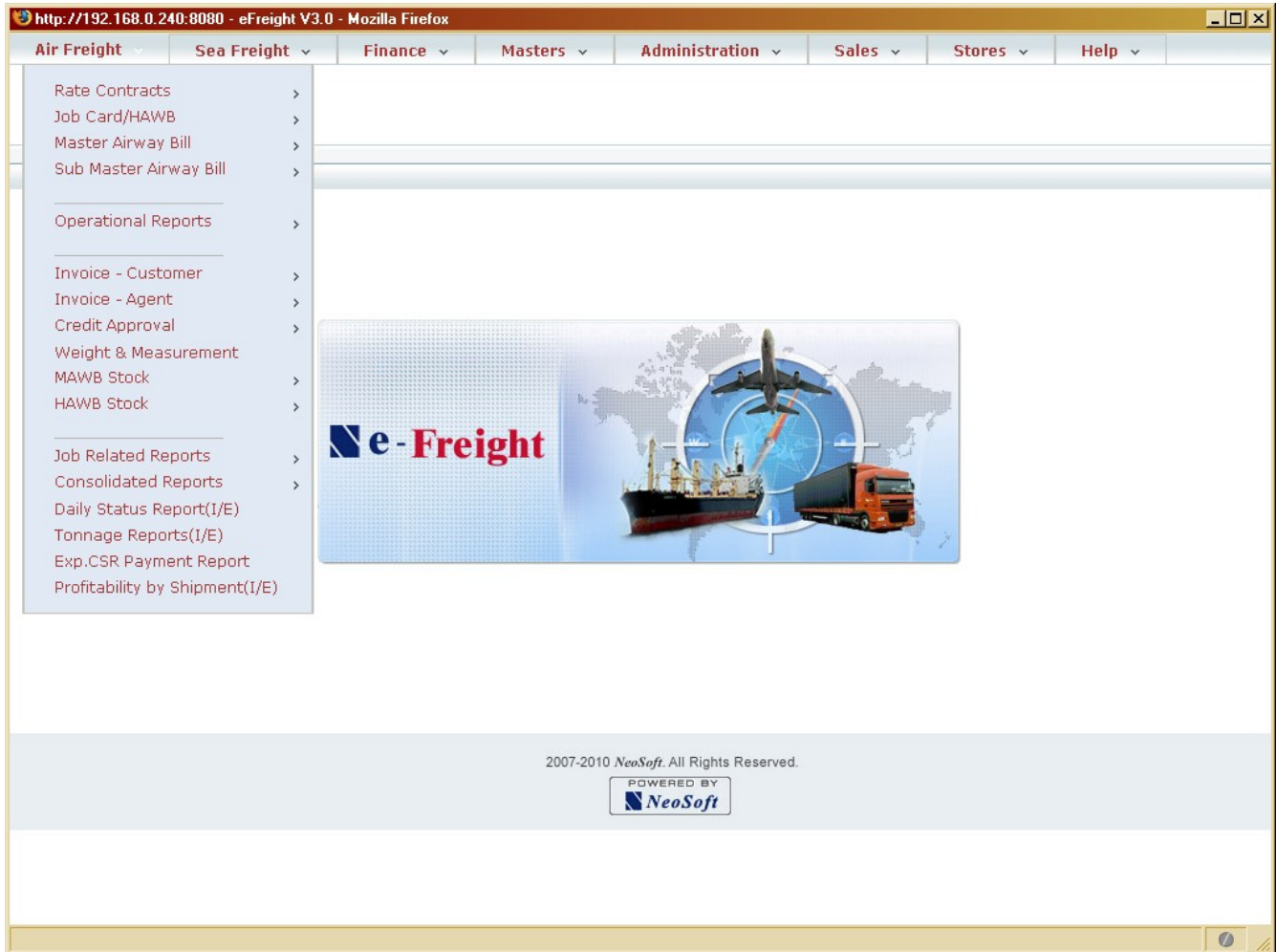
Done

## 2.1.3 Supports multiple Browsers

New version supports multiple browsers such as Internet Explorer version 6 and 7, Firefox 1 and 2.

## 2.1.4 Improved Menu navigation

The menu layout has been re-organized to make it easier for the user to identify the required option at a glance. Refer screen below.



## 2.1.5 Customizable Screens

Even though e-Freight is developed to satisfy a wide variety of customer needs, the screens can be easily customized to show only those fields which are applicable to individual customer needs.

## 2.1.6 Reports in PDF/Excel

All reports can be generated in PDF format in addition to HTML and Excel formats. PDF formats are tamper proof.

The screenshot displays the e-Freight V3.0 web application interface. The browser address bar shows 'http://124.153.101.26:8080 - eFreight V3.0 - Mozilla Firefox'. The application has a navigation menu with tabs for 'Air Freight', 'Sea Freight', 'Finance', 'Masters', 'Administration', 'Sales', 'Stores', and 'Help'. The 'Air Freight' tab is active. The page title is 'Air Freight Daily Status Report' and the mode is 'VIEW'. The user is identified as 'RAVI' and the system is licensed to 'Dart Express India Pvt Ltd'. The main content area contains a form with the following fields and controls:

Company Code	DEI	Branch Code	DEBLR
Date From		Date To	
Export/Import	EXPORT	Shipments	BOTH
Date By	SHIPMENT	Report Formats	DAILY STATUS

Below the form are four buttons: 'Create in PDF', 'Create in HTML', 'Create in Excel', and 'Exit'.

All MIS reports can be exported into Excel format. This will help the user to re format or re sort etc for further analysis of the data using MS Excel.

## 2.1.7 Schedule MIS Reports

MIS Reports can be scheduled so that the reports will be generated as per pre determined intervals and the generated report link will be emailed to the concerned user. This means that users especially senior management personnel get the MIS automatically without them login into the system. It also helps to use the system more efficiently, i.e generate reports when the system is not heavily used, for example during night.

## 2.1.8 Transaction Lists

A new feature which lists out all important transactions such as Job cards, House and masters, invoice etc. Refer the sample screen below (List of jobs)

Doc Location\* **CMB**      Comp Code\* **DEL**      Branch Code\* **LANKA**  
 From Date **19-11-2007**      To Date **26-11-2007**  
 Get List    Exit

Shipper Code	Doc Type	Doc No	Doc Date	Consignee Code	Final Dest Code	Airline Code	Tot Gross Wt	Tot Charge Wt	Mawb No	Hawb No	Date of Arrival
BGMK1	DL	122081	2007-11-19	DARTE01HK(SIN		SQ	11.00	11.00	017-7878 989		01-01-1900 1219-1
NOASHPRK	EXP-D	1			HI CHI	KF	0.00	0.00			01-01-1900 1223-1
BARATHCO	HAWB	202			BLR	AI	0.00	0.00			01-01-1900 1219-1
BARATHCO	HAWB	203			BLR	AI	0.00	0.00			01-01-1900 1219-1
BARATHCO	HAWB	204			BLR	AI	0.00	0.00			01-01-1900 1219-1
BARATHCO	HAWB	205			BLR	AI	0.00	0.00			01-01-1900 1219-1
BARATHCO	HAWB	206	2007-11-19	BARATHCO	BLR	AI	0.00	0.00			01-01-1900 1219-1
BARATHCO	HAWB	207	2007-11-19	BARATHCO	BLR	AI	0.00	0.00			01-01-1900 1219-1
BARATHCO	HAWB	208	2007-11-19	BARATHCO	BLR	AI	0.00	0.00			01-01-1900 1219-1
BARATHCO	HAWB	209	2007-11-19	BARATHCO	BLR	AI	0.00	0.00			01-01-1900 1219-1

1. To sort by a column, click on the the column heading  
 2. To get more field options for a record, move the cursor to the corresponding field and click to get a drop down menu

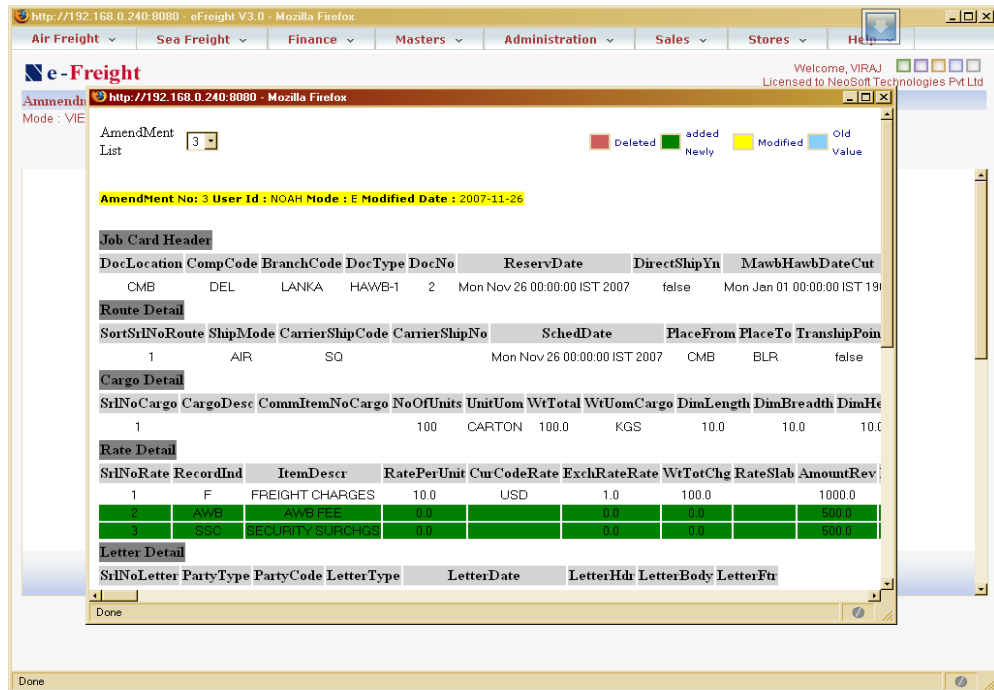
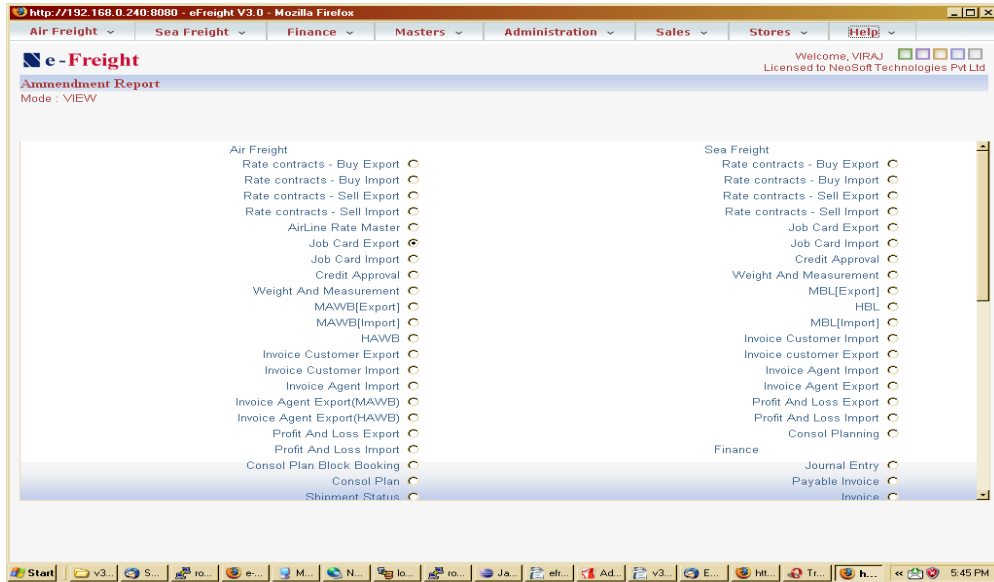
1 2 Next

The list can be sorted by any column just by clicking on the column heading. Most of the important fields have a drop down menu (see the example above, drop down menu of 'Doc No'), using the drop down menu, the user can accomplish many related functions. These list make it much easier for the user to identify a particular transaction or find its related transactions easily. Sorting by any column (for eg. By shipper) helps to identify a particular transaction and thus saving lot of time.



## 2.1.9 Audit Trail

The Audit trail functions improved considerably. Software keeps tracks of all changes in data, whether it is just a modification of some field values or deletion of a transaction itself. The changes can be tracked in terms of the time the change was done and also the user who has done the change. To see any record's change history, just choose the transaction and its key values, the changes will be displayed, refer the sample screens below.



## 2.1.10 Improved Transaction number definitions

Defining the numbering schemes for transactions has been simplified, at the same time, it has become more flexible. See the screen below

Program Id	Trn Type	Trn No	Trn Description	Gen Type	Common Trn Type	Add	Delete
201	QABI	3	AGENT QUOTATION BUY IMP	Y		ADD	<input type="checkbox"/>
204	DIR	1	??	Y		ADD	<input type="checkbox"/>
204	EXP	129825	A	Y		ADD	<input type="checkbox"/>
204	HAWB	31	Air Jo Card Export	Y		ADD	<input type="checkbox"/>
204	MDIR	2010	A	Y		ADD	<input type="checkbox"/>
204	SRCEXP	3545	A	Y		ADD	<input type="checkbox"/>
205	IMP	7264	A	Y		ADD	<input type="checkbox"/>
207	EXP	29	A	Y		ADD	<input type="checkbox"/>
208	PLIMI	1	A	Y		ADD	<input type="checkbox"/>
210	EXP	1	AIR CUSTOMER EXPORT	Y	INVTYP	ADD	<input type="checkbox"/>
210	EXPA	1	EXPORT AIR - CUSTOMER	Y	INVTYP	ADD	<input type="checkbox"/>
211	IMPA	1	IMPORT AIR	Y	INVTYP	ADD	<input type="checkbox"/>
212	MAWB	25122	Exp. MAWB	Y		ADD	<input type="checkbox"/>
213	DL	122082	Exp. HAWB	Y		ADD	<input type="checkbox"/>

## 2.1.11 Improved User Management

Improved user administration where Administration users can be defined by location. This means an admin user can be defined for a particular geographical area of operations.

## 2.1.12 Improved handling of User access to Company/Branch

Defining user access to multiple companies and branches improved. Access rights to each functional area can be controlled for each company and branch.

## 2.1.13 Customer specific Rate Templates

Rate template helps to create Job Cards easier. Multiple rates which are applicable to a shipment can be made into a template and that can be defined against a shipper. When the job card is created, the rates will be automatically copied to the Job card saving time for the user. The rate templates are used in Air and Sea Freight modules.

## 2.1.14 Simpler Job Card and House (HAWB/HBL) creation

Job card and House being merged into one. Earlier these were two different functions. The merged one helps to save time for the user.

## 2.1.15 Simpler Consol shipments

Master (MAWB/MBL) and Consol master functions merged into one. Earlier these were two different function. The merger helps to reduce time to the user as well as better management of consolidated shipments. Refer to the sample screen below.

The screenshot displays the 'Master Airway Bill [Export]' form in the e-Freight application. The form is organized into several sections:

- Company Info:** Doc Location (CMB), Comp Code (DEL), Branch Code (LANKA).
- MAWB Info:** Type (MAWB), No (25121), Date (26-11-2007).
- Job Card Selection:** Destination (BAH), Carrier Code (SQ), Flight No, Flight Date (28-11-2007), Sub Agent Code. Includes buttons for 'Job card Selection', 'Add Job Card', and 'Reload From Job Card'.
- Consol Info:** Booked Space Unit, Fuel Sur-Chg Based On (G/V), Fuel Sur-Chgds (0), Air Line Buy Amt (500), War Sur-Chg Based On (G/V), War Sur-Chgs (0), Other Chgs (0), Air Line Buy Rate (0). Includes a 'Show Consol Info' button.
- Shipper Info:** Shipper Code (STAR), Consignee Code (CONTI), Issue Agent Code (DARTCMB), Issue Agent Name (Dart Express Lanka), IATA No (DR45678), AC No (1234).

The interface also features a top navigation menu (Air Freight, Sea Freight, Finance, Masters, Administration, Sales, Stores, Help), a user welcome message (Welcome, VIRAJ), and a status bar at the bottom.

## 2.1.16 Import Master

Import master may be created for Consolidated shipments. This helps to enter cost once per Master instead of dividing and entering the same in multiple import Job cards. This saves time for the user when handling imported consolidated shipments. Import master creation is optional.

The screenshot shows the 'Master Airway Bill [Import]' form in 'VIEW' mode. The form is organized into several sections:

- Company Info:** Doc Location (CMB), Comp Code (DEL), Branch Code (LANKA).
- AWB Info:** Type, No (0), Date.
- Job Card Selection:** Mawb Number, Job card Selection, Add JobCard, Reload JobCard.
- Shipper Info:** Shipper Code, Consignee Code, Issue Agent Code, Issue Agent Name, IATA No, AC No, Address.
- Routing Info:** Airport Dept, Routing Info.

Buttons for Add, Edit, Cut, View, Print, and Exit are visible at the top. The status bar at the bottom shows 'Done'.

## 2.1.17 Import Job cards from Export Master

Import jobs cards can be automatically created from Export Master. This is possible if both the export agent and import agent are using the same system.

## 2.1.18 MAWB/HAWB Stock maintenance

Improved stock maintenance module for MAWB and HAWB. The system can work without stocks as well.

## 2.1.19 Grouping of Ledger accounts

Grouping of accounts under respective major heads are done when defining the ledger code. This makes the grouping of accounts simpler to the user.

The screenshot displays the 'General Ledger Accounts' form in the e-Freight V3.0 application. The form is titled 'General Ledger Accounts' and is in 'VIEW' mode. It contains the following fields and values:

Doc Location*	CMB
Company Code*	DEL
Branch Code*	LANKA
Master Type*	ACC
Master Code*	1001
Cost Center	
Account Description*	Air Imports - Expen
Account Type*	1
Group 1 Description*	2-EXPENSES ACCOUNT
Group 2 Description	Air Freight Imports
Group 3 Description	
Created By	INDUNIL
Created Date	19-10-2007 04:20:56

Additional features include a 'Debtor Account Y/N' checkbox, which is currently unchecked. The application interface includes a navigation menu with options like 'Air Freight', 'Sea Freight', 'Finance', 'Masters', 'Administration', 'Sales', 'Stores', and 'Help'. The user is identified as 'VIRAJ' and the system is licensed to 'NeoSoft Technologies Pvt Ltd'.

## 2.1.20 Financial reports grouped by Major Account heads

Financial reporting shows always the account major groupings. This makes the reports much easier to read and understand. Most of the reports have been modified to show account groups. Refer the sample report below.

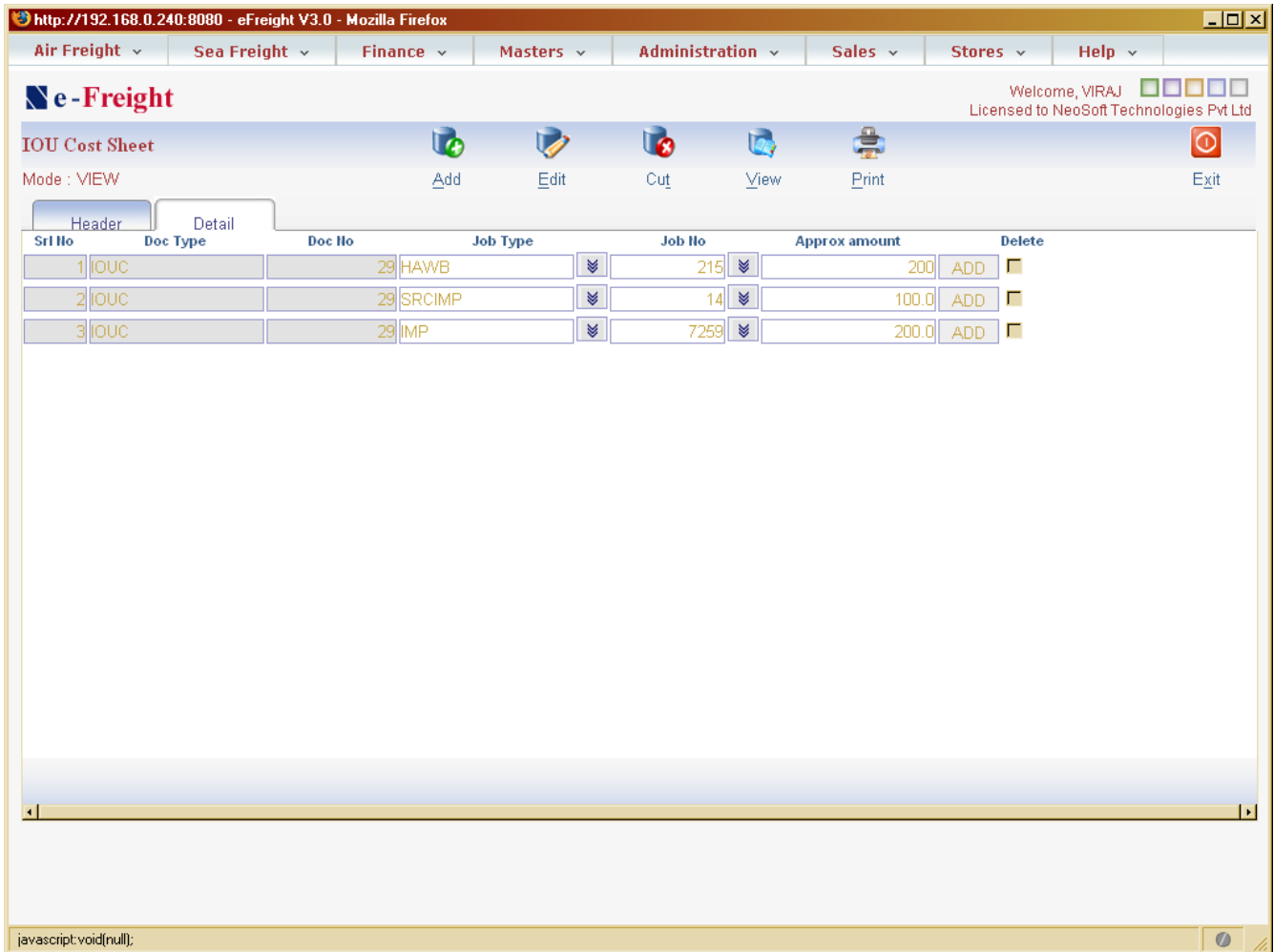
26 Nov 2007 07:04 Printed By : VIRAJ

**DE LOGISTICS PVT LTD.**  
**Trial Balance - As On 31 Mar 2008**  
**Option : With Db/Cr Amt** Cur Code : LKR

Account Code	Description	Debit Amt	Credit Amt	Net Balance
2-EXPENSES ACCOUNT				
<a href="#">10101</a>	ACC ACCOUNT	0.00	1,850.00	(1,850.00)
<a href="#">1014</a>	X-RAY CHARGES - Exp	489,702.00	10,688.00	479,014.00
<b>Total For</b>		<b>489,702.00</b>	<b>12,538.00</b>	<b>477,164.00</b>
Air Freight Exports				
<a href="#">1000</a>	Air Exports -Expence	42,725.84	1,043,509.33	(1,000,783.49)
<a href="#">1013</a>	AWB DOC CHARGES - Expence	300.00	0.00	300.00
<b>Total For</b>		<b>43,025.84</b>	<b>1,043,509.33</b>	<b>(1,000,483.49)</b>
Air Freight Imports				
<a href="#">1001</a>	Air Imports - Expence	650.00	169,988.00	(169,338.00)
<b>Total For</b>		<b>650.00</b>	<b>169,988.00</b>	<b>(169,338.00)</b>
Other				
<a href="#">1002</a>	Others - Expence	11,950.02	2,053.00	9,897.02
<a href="#">1006</a>	Trucking Charges - Expence	1,000.00	0.00	1,000.00
<a href="#">1007</a>	Fuel Charges - Expence	4,588.00	100,000.00	(95,412.00)
<a href="#">1008</a>	Security Charges - Expence	1,784.00	250.00	1,534.00
<a href="#">1009</a>	Freight Charges - Expence	47,810.00	130,500.00	(82,690.00)
<a href="#">1010</a>	Handling Charges - Expence	150.00	0.00	150.00
<a href="#">1012</a>	AWB Charges - Expence	500.00	0.00	500.00
<b>Total For</b>		<b>67,782.02</b>	<b>232,803.00</b>	<b>(165,020.98)</b>
Sea Freight Exports				

## 2.1.21 Enhanced IOU Module

IOU module got considerably enhanced. You can now have multiple Job cards in one IOU Cost sheet



The screenshot displays the e-Freight V3.0 web application interface. The browser address bar shows the URL: `http://192.168.0.240:8080 - eFreight V3.0 - Mozilla Firefox`. The application has a navigation menu with options: Air Freight, Sea Freight, Finance, Masters, Administration, Sales, Stores, and Help. The main header area includes the e-Freight logo, a user greeting "Welcome, VIRAJ", and a license notice "Licensed to NeoSoft Technologies Pvt Ltd". Below the header, the "IOU Cost Sheet" section is active, showing "Mode: VIEW". A toolbar contains icons for Add, Edit, Cut, View, Print, and Exit. The main content area features a table with the following data:

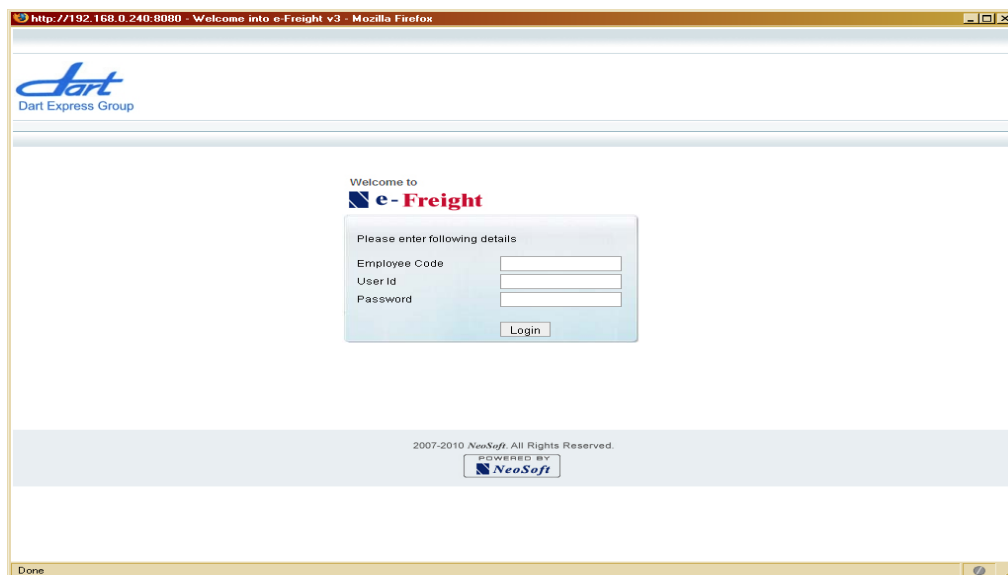
Srt No	Doc Type	Doc No	Job Type	Job No	Approx amount	Delete
1	IOUC	29	HAWB	215	200	ADD
2	IOUC	29	SRCIMP	14	100.0	ADD
3	IOUC	29	IMP	7259	200.0	ADD

IOU settlements got improved considerably. The settlement module is the same as the settlement module used in Payments/Receipts where net settlements are possible.

## 2.1.22 Customer Login

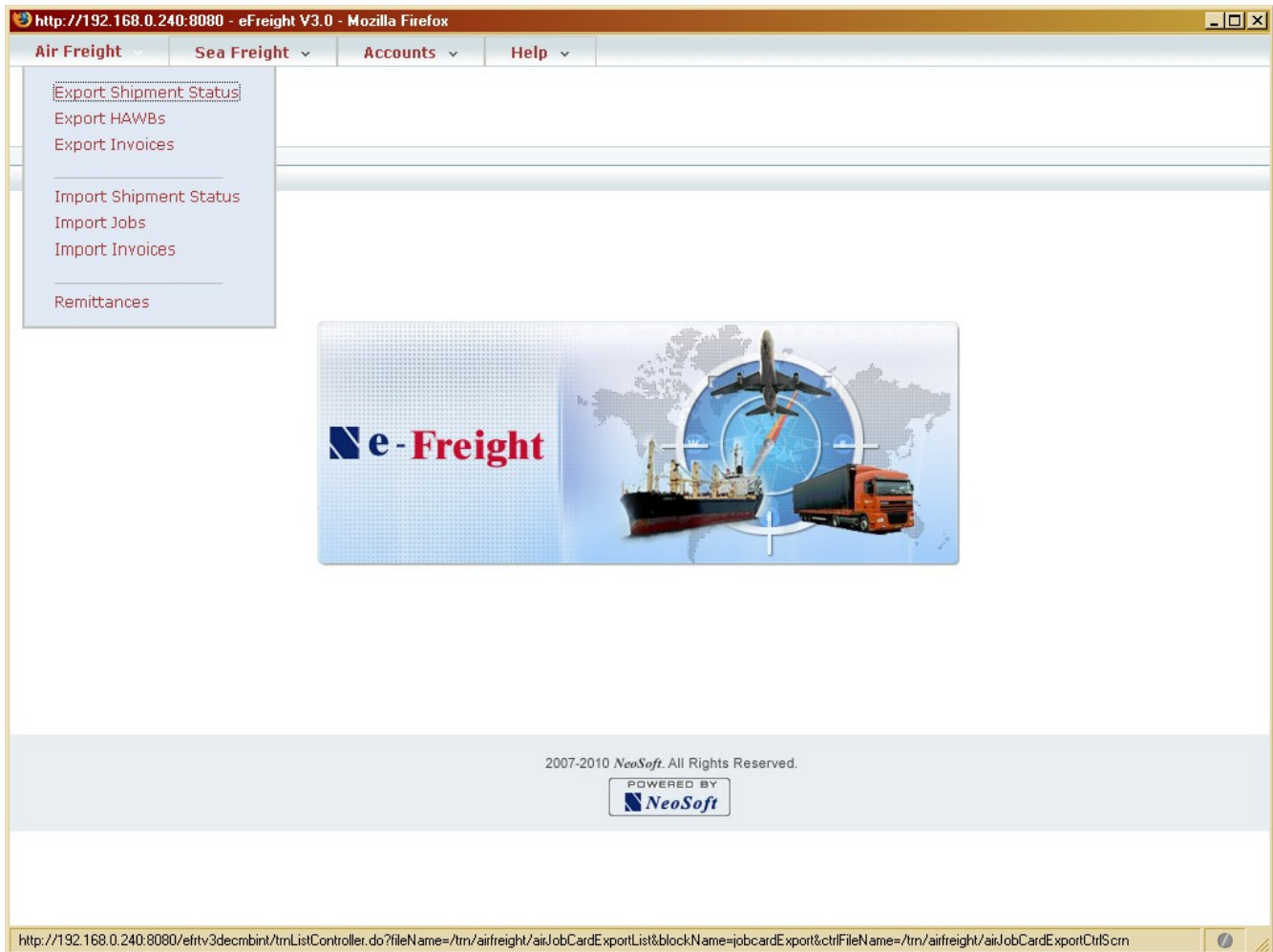
Customer (Shipper and Consignee's) login module enhanced in terms of security and ease of use. From the customer login menu, customers can see the shipment status for both import and export, their invoices, houses and even remittances.

Customer Login screen shows your company's Logo which will help to identify the site they are logging in. See the screen below





Once they login, the following menu is displayed where they can see the shipment status, Export houses, Export invoices, import jobs, import invoices and also the remittances.



Following screen shows all export jobs. From the drop down menu for HAWB number, they can even see the original house

http://192.168.0.240:8080 - eFreight V3.0 - Mozilla Firefox

Air Freight | Sea Freight | Accounts | Help

Welcome, VIJAYK  
Licensed to NeoSoft Technologies Pvt Ltd

**e-Freight**

JobCard List Air Export  
Mode : VIEW

Doc Location\* CMB | Comp Code\* DEL | Branch Code\* LANKA  
 From Date 20-09-2007 | To Date 27-11-2007 | Party Type  
 Party Code\*

Get List | Exit

Doc No	Doc Date	Consignee Code	Final Dest Code	Airline Code	Tot Gross Wt	Tot Charge Wt	Mawb No	Hawb No	Date of Arrival	Date of Departure	Sales Person
1	2007-10-22	NCONS02	NYC	NU	100.00	100.00	777-1111 111	DL-1	22-10-2007	1222-10-2007	12 GUNAWARD
122070	2007-09-26	HELT01	SIN	SL	550.00	2833.33	-	DL-122070	01-01-1900	1226-09-2007	12 GANEA
122071	2007-10-15	CUSCMB01	BAH	AI	150.00	8000.00	-	DL-122071			2007 12 DART
122072	2007-10-18	DARTE01	CHI	AI	100.00	270.00	-	DL-122072			2007 12 GANEA
122073	2007-10-20	DARTE01	CHI	AI	100.00	100.00	-	DL-122073	20-10-2007	1220-10-2007	12 GANEA
122074	2007-10-20	DARTE01	CHI	AI	100.00	200.00	-	DL-122074	20-10-2007	1220-10-2007	12 GANEA
122075	2007-10-20	DARTE01	CHI	AI	80.00	200.00	-	DL-122075	20-10-2007	1220-10-2007	12 GANEA
122076	2007-10-20	DARTE01	CHI	AI	100.00	200.83	-	DL-122076	20-10-2007	1220-10-2007	12 GANEA
122077	2007-10-22	DARTE01	CMIANTWER	EK	0.00	0.00	-		01-01-1900	1217-10-2007	12 GUNAWARD
122079	2007-11-06	BGMK1	SIN	SQ	150.00	150.00	-	DL-122079	01-01-1900	1206-11-2007	12 RAMESH

Click on the column heading  
For a record, move the cursor to the corresponding field and click to get a drop down menu

1 2 3 4 5 6 7 8 9 10 Next

http://192.168.0.240:8080/efrtv3decmbint/openReportScreenController.do?tmSource=Air&progId=604&docLocation=CMB&doc\_location=CMB&compCode=DEL&comp\_code=DEL&branchCode=LA...

### 2.1.23 Agent Login

Agent (Origin and destination agent) login module enhanced in terms of security and ease of use. From the agent login menu, agents can see shipment status for both import and export, house, masters invoices.

### 2.1.24 Workflow

Workflow can be created for various operations related activities. Once the workflow is created, the system will keep track of the workflow and remind (via email) the users about the activities in progress/pending etc.

## 2.2 Technical Features

There are many technical improvements incorporated in the new version. Technical features of the application are as follows.

- J2EE application

- Compatible with any J2EE servers
- Use of MVC Architecture
- use of Ajax for better user experience
- More RDBMS support
  - Oracle
  - MS Sql
  - Sybase (ASA and ASE)
  - MySql

### 3 Requirements

Exact hardware requirement cannot be worked out without knowing the number of users who are going to use e-Freight application. But an approximate requirement is given below.

Usually two server computers are suggested for a Web application like e-Freight, first one for web server and the other for Database server

Database server configuration will largely depends on the database used such Oracle, MS Sql, My Sql or Sybase. DB server requirement will be defined by the Database vendor as the requirement varies from database to database.

To have two server computers or one server computer? - For a small number of users of less than 10, both Web server and Database server softwares can be installed on a single server computer. But it is always suggested to have two server computers, the first one as a Web server and the other one as the Database server.

If the application is to be hosted on Internet, you must have two server computers so that Database server can be behind a Firewall.

Minimum Requirements for up to 30 users

- Web Server
  - Software
    - OS either Windows 2000 server and above OR Linux (check with us for versions supported)
    - Java JDK 1.6
    - Any Java compatible Web servers such as Tomcat, Jboss, WebLogic, Websphere etc – version must be compatible with JDK 1.6
  - Hardware - Minimum
    - Memory – 1 GB
    - Hard disk space – 50 GB
      - The primary drive must have enough free disk space for swap as per OS requirement

- Ethernet 100 Mbps
- Database Server
  - Software
    - DB Server software – MS Sql, Oracle, Sybase or My SQL
    - OS could be either Windows 2000 or Linux depending on the support provided by the DB vendor
  - Hardware
    - Memory – Depends on the DB used, it will be specified by the DB vendor in their manuals. Minimum required is 1 GB
    - Hard disk – Depends on the DB used. You must have at least 50 GB free disk space.

## 4 What Next?

Please call us at 91-80-25503227 or email at us at [info@neosoft-tec.com](mailto:info@neosoft-tec.com) to arrange for a demo.

E-Freight is available in following options

- Purchase: you may purchase the software from us
- On rental basis where we host the application for you and manage it. You need not worry about up-front cost involved in buying it, or worry about issues related to IT infrastructure, IT personnel etc. All you do is pay us monthly rental for using the application and we will take care of it.

***NeoSoft Technologies Pvt Ltd***

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Bangalore – 560034

India.

[www.neosoft-tec.com](http://www.neosoft-tec.com)