



# CFSMAG

## Container Freight Station Management

**CFSMAG** is a one-stop solution to streamline container freight station business operational processes. **CFSMAG** addresses Import and Export of variety of commodities right from receipt of manifest information up to gating out of goods from container freight station.

**CFAMAG** is designed to optimize operations of gate, yard, warehouse, rail siding and also the commercial activities. Adopting **CFSMAG** would help one to monitor the detailed activities of container freight station while it also enables various automatic processes which the customer demands the most. **CFSMAG** does enforce data consolidation which supports in making strategic business decisions.



**CFSMAG** is a web based application software designed using ASP.Net, Java environment on both Oracle 10G and SQL Server Database. The development environment ensures that **CFSMAG** has the portability and connectivity to run on virtually all standard hardware platforms along with stringent data security and easy recovery in case of systems failure. **CFSMAG** also now hosted on cloud and availed on SAAS model.

### Salient Features

- Latest technology
- User friendly
- Integrated
- Graphic User Interface
- Secured
- Easy to install
- Modular
- Flexibility
- Real Time Operation

### System Requirements

- Pentium-IV Class Server (Windows 200X Server/ UNIX)
- Pentium PC Client (Windows 200X / XP Professional)
- ASP.Net on Oracle 10g / SQL Server
- Radio Data Terminals (Optional)
- Kiosks (Optional)

( We recommend the server sizing only on studying the business needs in detail )

## • **Import Module**

### **Documentation**

Provision is made to record information as per IGM details, Bill Of Lading details, vessel details, container details, cargo details, En-block movement details. System has facility to update delivery challan details and convert En-block movements as per IGM, upload Import Advance List softcopy in to system.

### **Job Order Generation**

Provision is availed to generate job order for different activities like container movement from PORT to CFS, Customs Examination, Seal Verification, De-stuff Job order. Facility is provided to generate Port wise Import Container movement Job Order softcopy as per formats.

### **Container scanning list updation**

System has the provision to upload the list of scan request containers received from Customs. At the time of gate in, system will verify the scan list and display the warning message. Invoicing will be taken care of based on the scanning list updation.

### **Gate-In Operation**

Validation of container is performed as per job order allocated for Container Gate-In. System has provision to record empty and full container weights for actual cargo weight calculation to calculate EXCESS / SHORTAGE cargo details. Provision is also made to record container damage details, if any, along with damaged and seal discrepancies. System high lights the need for scanning, if any and then generates EIR / gate pass. Yard space is also automatically allocated through system if yard management module is used in Real Time mode.

### **Yard Movement and Activity Management**

System has facility to record Internal Yard Movement details and also record remote activities like special equipment provided for lift-on / lift-off or de-stuffing

### **Customs / Seal Verification**

Provision is made to generate Work Order / Job Order for Seal Verification, record seal verification details as per Customs / CHA, customs input on verification and also customs re-examination details if any. System also has facility to reallocate container for re-examination by customs.

### **De-stuffing**

System has facility to generate de-stuff work Order and the de-stuffing plan with details of equipment and labor used. Facilitates recording of Grounding Request from Importer, de-stuffing details of container, cargo damage details, Excess / Shortage of cargo details if any, manifest / split manifest details and the Tally Sheet with de-stuff and Gate out cargo details

### **Customs Examination**

Provision is made to record the customs verification details, customs sampling details regarding Group and Carton for each cargo, customs detained / confiscated consignment details, payment collection and receipt details. Systems also has facility to maintain excess / shortage cargo information and also re-allocate cargo for customs examination

## **Gate out Operation**

System has provision to generate Cargo Gate out Job Order and update Open Order Date. Also has facility to record cargo gate out details, Factory de-stuff container details and Empty Container details. EIR / Gate pass is generated through the system

## **Re-stuffing**

Provision is available to record Re-stuffing details with same or other Container and also record Gate-Out of Re-stuff container with EIR / Gate pass generation

## **Weighbridge Data**

Provision is made to record Full container weight, Empty Container weight, Cargo Weight, Empty Truck weight details at weighbridge. System tracks the Cargo / container weight measures prior to gate out

## **SMTP updation**

System has facility to record SMTP details, its new Item no, seal no and can amend item mode from Local to SMTP

# **• Export Module**

## **Documentation**

System facilitates reserving ware house space for exporter, record details of customs, shipping bill, cargo, cargo destination, port of discharge, commodity and shipping bill amendments, if any. Charges towards allocation of ware house space is accounted to exporter

## **Advance Payment Collection for Carting**

Carting collection details may be updated based on cargo weight in Shipping Bill and generate payment receipt

## **Job Order Generation**

Provision is made to verify availability of ware house space and then generate job order for carting, If reserved space customers need extra space, then facility is made to generate requests and collect additional space charges

## **Gate-In Operation**

System validates cargo with reference to job order for cargo Gate-In and then allocates ware house slots. Provision is made to record Truck weight, Cargo weight, and details of Carting tally sheet, Empty Container Gate-In, Empty truck gate out and cargo damage, if any. EIR / Gate pass would be generated by the system.

## **Activities / Work updation on Cargo / Container**

Special service requests like Lashing, Choking or Pallatisation can also be tracked through creation of job order and updation of allocated job order status prior to approval of invoice.

## **Cargo Verification and Customs Examination**

System validates Short or Excess consignment, maintains details of customs detained / confiscated consignments, records sample drawn carton details. System also has provision to allocate container for re-examination.

## **Stuffing and CLP generation**

System has provision to generate stuffing tally sheet, stuffing plan, container load plan, out pass for stuffed containers, job order for export container movement from CFS to Port and also record export container details, vessel details of export container. Facility is provided to add / cancel any shipping bill from stuffing job order.

### **Export Reworking**

System has provision to generate rework container job order and update reworking details of container

### **Back to Town Cargo**

Provision is made to record back to town cargo request details given by CHA Thereby generate job order for back to town cargo after balance verification through tally sheet and then generate gate-out pass for back to town movement. System has facility to generate the invoice towards back to town cargo.

### **Gate out Export Container**

System has provision to record container Gate-Out details, Back to Town cargo details and then generate EIR / Gate pass

### **Export Loaded Return Container**

Provision is available to record the reason for return from Port, Gate-in Loaded Container, enter reworking details of loaded containers, generate gate-out pass and also roll-out container from one vessel to another.

### **Factory Stuffed Container**

Provision is made to gate in Factory Stuffed Container, perform Customs Examination, map invoices with shipping bill for factory stuffed container, update payment collection details and generate Gate-Out pass

## **• Work Orders**

### **Import**

Import Container Grounding  
Import Container Seal Cutting  
Customs Examination  
Import Container De-Stuffing

### **Export**

Export Cargo Carting  
Stuffing  
Back To Town  
Re-Working  
Special Services

## **• Yard Management**

System has provision to pre-define yard, allocate or de-allocate yard blocks, perform yard planning, track position of containers at any time, edit position of containers in the block, shift containers from one location to other. Graphical view of yard either by blocks or as whole can be viewed in real time mode. This gives real-time inventory of yard and also helps in optimal utilization of yard.

## **• Ware House Management**

### **Ware House Profile definition**

System has facility to pre-define ware house slots with permissible weight range, volume range and slot area. System has provision to define permissible commodities (HAZ, Reefer), cargo type (Export / Import) for the slots / grids, maintain Import Bonded Ware House details, allot the slots to account holders and also create slots in yard as open area warehouse.

## Ware House Planning

Allocation of Import / Export Cargo can be performed based on permissible parameters set for the account holder or as general customer. System shall maintain online status of ware house slots if used in real-time mode, thereby would optimize the utilization of ware house. Provision is made to monitor the status of ware house slots / grids based on stuffing / de-stuffing processes to allocate the new cargo. Colour codes can be made for grid allocation based on customer. The graphical display of the ware house slots can be viewed in real-time mode.

## • Bonding Operations

NOC (No Objection Certificate)  
Gate In  
In Bonding of Cargo  
Invoice & Payment Receipt for Ex-Bonding of Cargo  
Out Gate Pass generation for Ex-bonded Cargo

## • Auction Module

### Auction request

Provision is availed to monitor the Cargo Value v/s Balance invoice amount, long standing containers / cargo for identifying for Auction. System has the provision to update auction requests.

### Notice Status Maintenance

System has provision to update auction status to container / cargo, generate notices and maintain the status of notices, cancel the action status after getting the clearance/withdrawal from the shipping line / CHA.

### Valuation and Bidder details maintenance

System has provision to record valuation details of cargo / container, bidder details and security deposit details. Provision is also made to update the success bidder details after auction is made.

### Job Order / Gate Out Pass generation

System has provision to generate job order for movement against deliver order, generate the gate out pass and the invoices for auction

## • Invoice / Receipts

System has provision to generate Pro-forma and final Invoice, record payment collections and generate / update receipt details, generate outstanding payment details against invoice, tally final invoice and pro-forma invoice and also generate periodic billing for Import / Export operations.

## • Queries

Query based on Shipping bill No / CHA / Agent / Consignee / Shipping Line / Duration  
Query for Balance Cargo in yard, Container Status, Payment Status, Document Process Status details  
Query for Yard Location of a container  
Query for Cargo Location

## • MIS Reports

### Import

- Duration wise /CHA wise /Consignee wise report on Container Gate-In /Gate out, Cargo Gate-in / Gate out
- Duration wise /CHA wise /Consignee wise report on stuffed container details
- Duration wise /CHA wise /Consignee wise report on Customs Verification completed
- Invoice Register
- Receipt Register
- No of service order
- No of job order generated
- No of containers pending for stuffing
- Lying cargo details (Liner Agentwise / IGM Wise)
- Age of each consignment lying in ware house
- Slot wise ground stocks
- Out turn statement (More than 30 days of age)
- Short /Excess consignment lying details with age
- Damaged cargo statement
- Daily activity report (Gate In, Gate Out – Empty & Loaded, De-stuffed, Seal cutting)
- Average time for de-stuffing 20ft. / 40ft. & 45ft. containers
- Import Loaded / De-stuffed Container lying in yard
- Import Job Order Pendency Report (Vesselwise, Liner Agentwise)
- Work Order Pendency
- Import De-stuffed Empty Out Report (Liner Agentwise)
- Time taken for various Import WO to complete operations

### Export

- Duration wise / CHA wise / Consignee wise report based on Container Gate-In / Container Gate-Out, Cargo Gate-In / Cargo Gate-Out
- Duration wise / CHA wise / Consignee wise report based on De-stuffed container details / Re-stuffed container details
- Duration wise / CHA wise / Consignee wise report on Seal / Customs Verifications
- Invoice Register
- Payment Receipt Register
- Job order Register
- Details of containers pending for de-stuffing
- Cargo Stock details
- Age of each consignment in ware house
- Slot wise ground stocks
- Out-turn statements
- Short / Excess consignment details
- Damaged Cargo statement
- Daily activity report
- Time taken for various Export WO to complete operations

## • Additional Features

### File generation for TALLY in CSV/XML format

Generation of CSV / XML file for data downloading into tally based on the file format given by customer

## **Auto Mailing**

System has provision to schedule the defined report mailing to Agent / CHA / Shipping Lines  
Provision to schedule invoice mailing through scheduler

## **Security**

Provision to login to the system by authenticated user name and pass word and system will maintain the auditing for each and every transaction. System will maintain the internal auditing and administrator can audit the records at various levels

## **Masters**

Parameters related to all processes are maintained as Masters and administrator can add / edit the master based on their needs.

## **History**

Facility to move details to history database (ex. - container/cargo details for which cycle is completed and have already reached specified time span for housekeeping work). Only administrator can run this function.

## **Backup**

Provision is made to take the data backup in the secondary storage device. Recovery process will recover the system as and when required.