

Ärende nr LFV 2006-04784

Dokumentnummer D-LFV 2006-35548

Version 2.1

SAFIR

Reference Manual



INTRODUCTION

The information in this manual is the propriety of Luftfartsverket.

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Malin Holmvall and Per-Johan Skans at Luftfartsverket, Arlanda, have compiled this reference manual for the system SAFIR. The Reference manual is a revised version of the reference manual by work@ARN witch was based on the original Chocs Reference Manual produced by Blackburn Associates System integrator Ltd.

Some parts are completely new, since the system SAFIR has been developed during the last year. New pictures taken from the current SAFIR system have replaced many of the original pictures.

This Reference Manual is based on SAFIR version 5.5 the version number of this manual is 6.1, which is also located at the end of this document.

Please observe that if there are light versions originating from this manual, check that the version number on the light version is in compliance with this version.



Production: Luftfartsverket, LFV Data

Author: M Holmvall and P-J Skans

Date: 2004-04-05

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SECURITY DEMANDS REGARDING SAFIR AND ITS INFORMATION

Luftfartsverket classifies all IT-system in regard of confidentiality, integrity and availability. 1 is the lowest classification and 3 the highest. SAFIR has been classified as:

Confidentiality 2

SAFIR contains information that is regarded confidential by the Swedish law for confidentiality. You are not allowed to give away any of the information within SAFIR without contacting the information owner and the system owner.

Integrity 3

Many of the activities at the larger airports owned by Luftfartsverket rely on SAFIR as their main source of information. This means that it is of utmost importance that information given by SAFIR is correct at any given moment.

Availability 2

SAFIR is an essential part in maintaining the activities at the larger airports owned by Luftfartsverket. The activities performed would lessen significant without its aid.

The classification of SAFIR is meant to help you as a user, to understand the importance of SAFIR and its significance to activities that is maintained by Luftfartsverket and its customers.

If you want to know more about specific demands on administration and the technology that is supporting SAFIR on regard of its classification, please contact the IT-security controller Göran Ranlöf or the IT-security coordinator Ulf Holmerin or consult the IT-security managing system that is published in a Swedish version on the internal WEB

Extradition of information

You are not allowed to extradite information originated from SAFIR without permission from the system owner and the information owner.

Exportation of information

If you are to export data from SAFIR to an extern file or an external media you need permission from the system owner and the information owner. You also need to follow the regulations regarding who has access to the information and regulations regarding the guaranty of the information's accuracy. These directions can be obtained from System Administrative Supervisor (SFA).

DOCUMENT HISTORY

Rev.	Date	Author	Information
1.1	2004-04-07	M Holmvall, PJ Skans	Original version
1.2	2004-04-16	PJ Skans	Added Overview of SAFIR
1.3	2006-03-22	PJ Skans	Modified for client version 5.2
1.4	2006-05-30	PJ Skans	Modified for client version 5.3
1.5	2006-06-28	K Lundblad	Updated text for Delay Codes page 50.
1.6	2006-12-13	PJ Skans	New print possibility in UserGroupAccess modul. Sort implemented in SCORE module.
2.0	2007-11-07	B-M Karlin	Diarieförd i samband med UFOS-projektet
2.1	2008-06-18	PJ Skans	PRM module in VM added.

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OVERVIEW OF THE SAFIR SYSTEM

SAFIR has been developed as an Airport Operational Information Management System. The main functions of the system are:

- Deliver statistical information about arrivals and departures and other information related to the airport.
- Automatically exchange information with other systems and users connected to SAFIR.
- Make integrations with other systems (baggage management, air traffic control, display systems) to make them look like one common system to the users.

SAFIR stores a predefined set of information per movement. It contains information like number of passengers, cargo, handling agents, important times and status information. This information is stored in central databases, one per airport. The information is then made available to users to read, create and change via the client application called SAFIR client. Information is also distributed to other systems through well defined interfaces.

Examples of systems integrated with SAFIR are NDS, FIDS (display systems in departure and arrival halls) and ATCAS, FIAT (air traffic information). One example of information exchange between systems connected to SAFIR is when ATCAS via FIAT sends information about arrival time for a flight to SAFIR. This information is then distributed from SAFIR to display systems like NDS and FIDS.

The picture below illustrates the process that SAFIR supports. In the picture SAFIR is the timeline where different actions take place in a predefined order. The arrows to and from the timeline illustrate when information is sent to and from SAFIR to other systems.

In SAFIR there are a number of different modules. Examples of functions available in the different modules are:

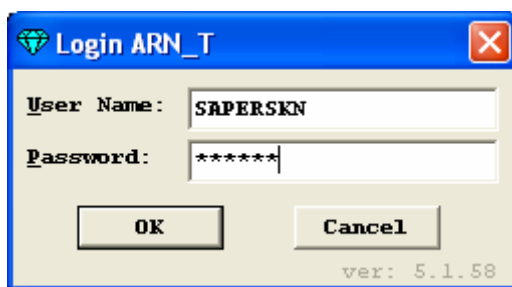
- Searching of flights.
- Manipulating information for flights.
- Filter selections.
- Managing timetables.
- Generateing reports.
- Sending and receiveing messages for flights.
- Searching and adding information about Aircraft registrations, Aircraft types, Airports, Delay codes, Operators etc. All according to IATA and ICAO standards.

GETTING STARTED

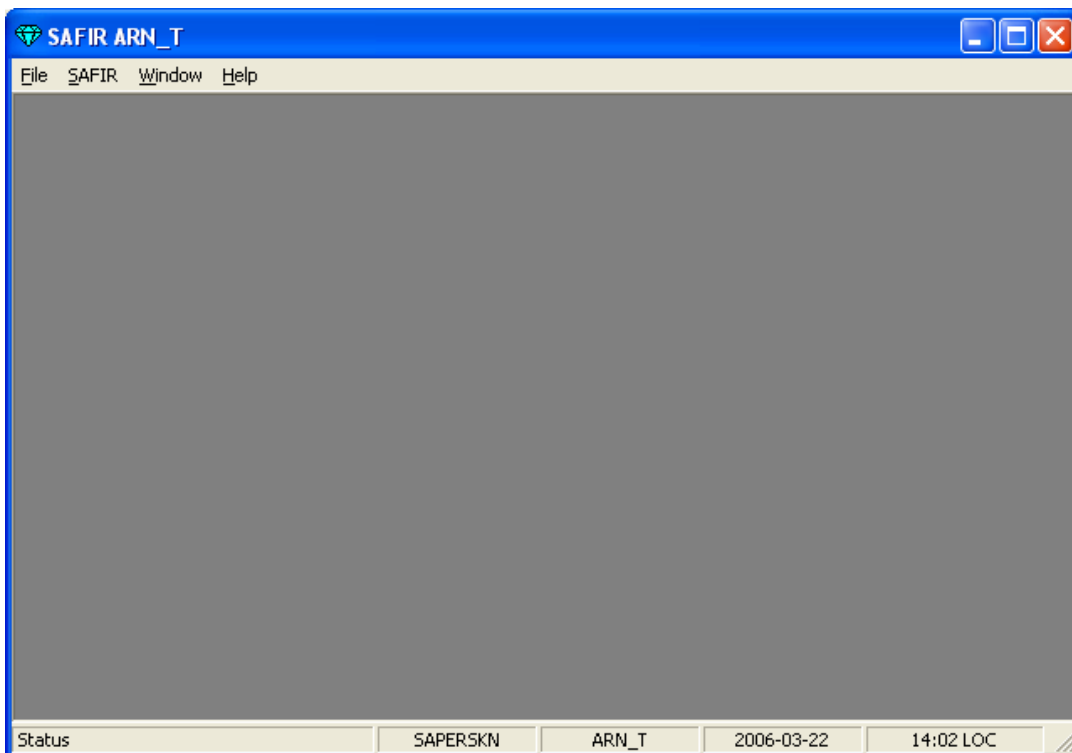
In order to start SAFIR, you double-click on the SAFIR-icon on your computers desktop.



A login box is displayed, where you type your username and password



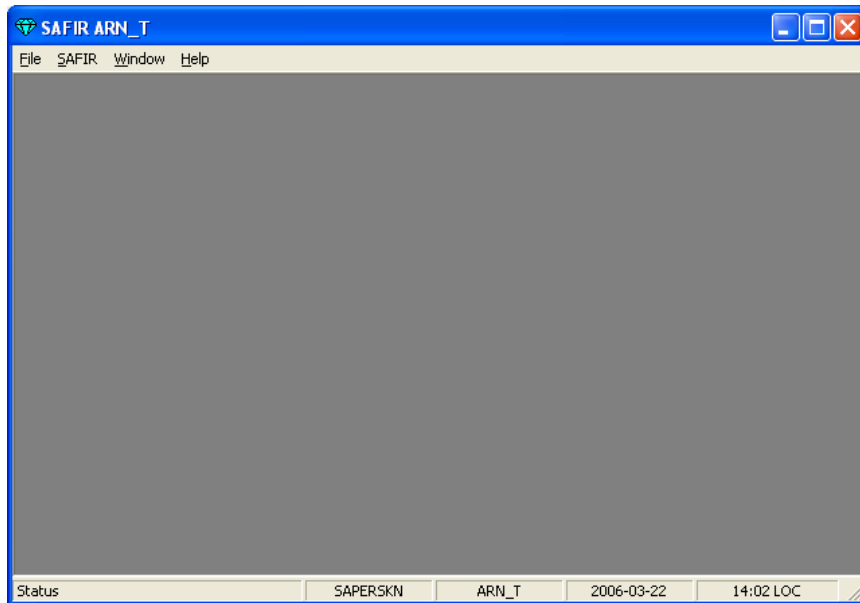
Click <OK> to log on to SAFIR.



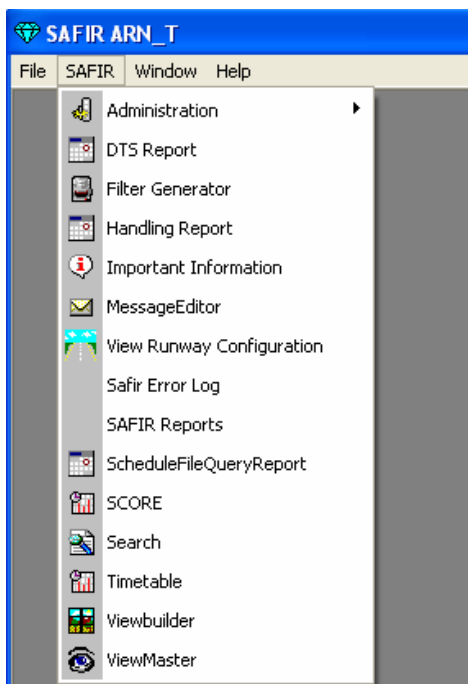
You are now logged on to the SAFIR system, and from the menu you choose which module to work with. At the bottom of the screen, a status bar is displaying status messages, information of user, SAFIR database, date and time local or UTC.

SAFIR AND IT'S MODULES

SAFIR is not really only one program, rather a cluster of modules combined to one user interface.

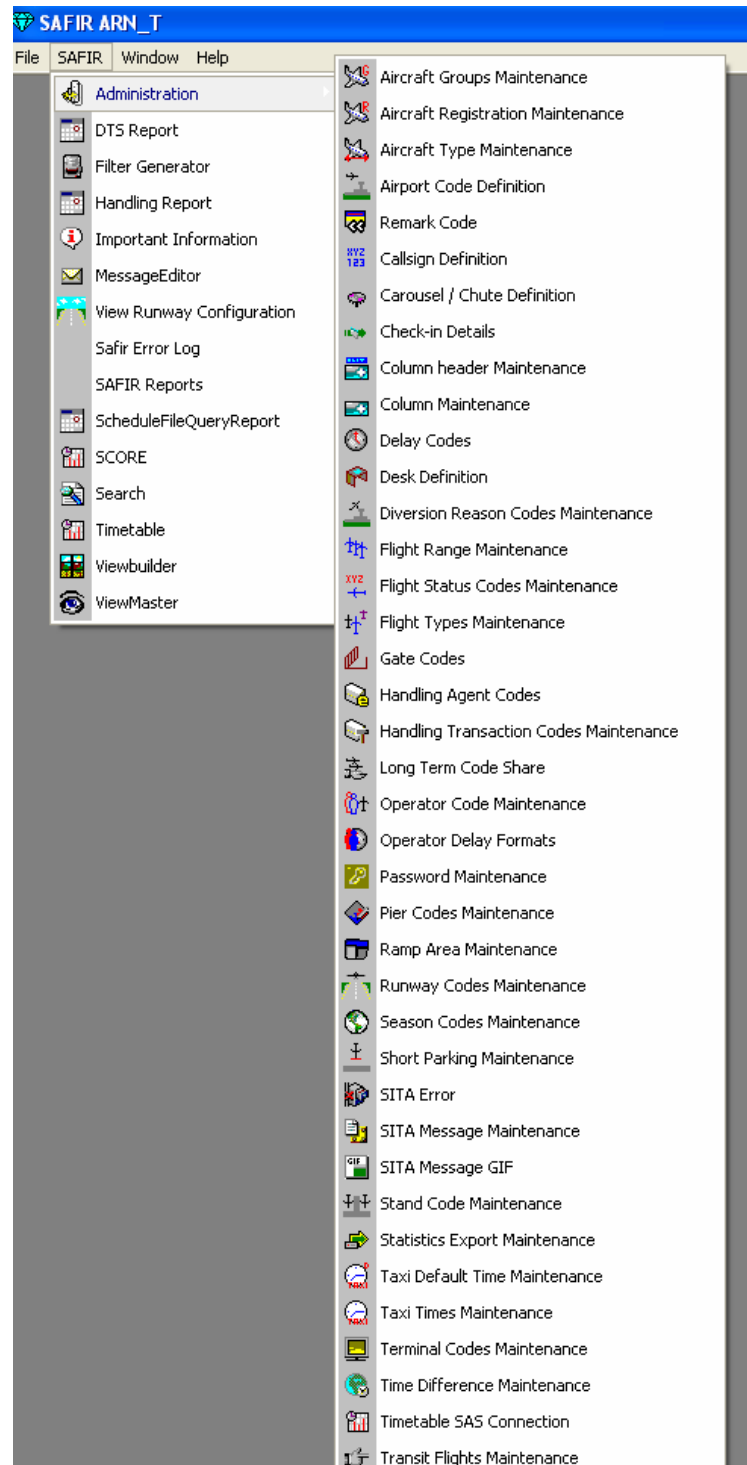


Examples of modules is **Aircraft Registration** and **Filter Generator**, which both can be reached within SAFIR. All modules can be reached from the menu "SAFIR". If you look closely, you will see all little arrow to the right of **Administration** in the drop down menu. That indicates that there are more modules under that header.



ADMINISTRATION

Under menu "SAFIR" a number of modules are displayed. All modules for changing data in the database are located under **Administration**.



FIXED FILES

Certain data in SAFIR is there to be used for various calculations and for daily operational dispatch of flights. Such data is stored in the SAFIR database as fixed files. Fixed files are by definition information that is rather static like aircraft registrations, terminals, stands, destinations etc.

AIRCRAFT GROUP

Aircraft types are categorized and divided into different groups based on the wingspan of the aircraft. There are 7 groups, from A-F plus X. The groups are divided as follows:

- A** = 00,00-14,99 m
- B** = 15,00-23,99 m
- C** = 24,00-35,99 m
- D** = 36,00-51,99 m
- E** = 52,00-64,99 m
- F** = 65,00-xx,xx m
- X** = Unknown

To administrate aircraft groups, the module to use is *Aircraft Group Maintenance*. *Aircraft Group Maintenance* is used to create, update or delete aircraft groups. You can also use *Aircraft Group Maintenance* to seek information of a specific aircraft group.

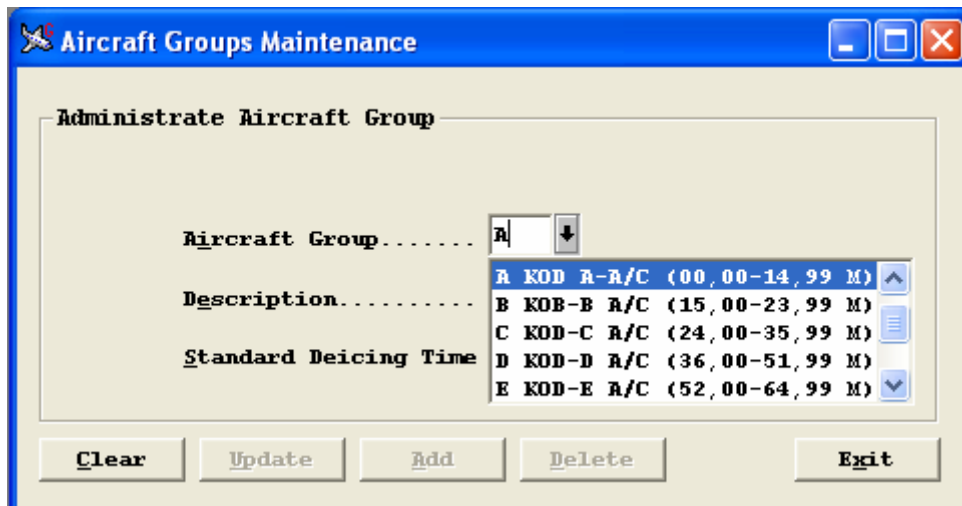
Description

Aircraft Group	- Code of aircraft group
Description	- Plain text description of the code
Clear	- Clear all fields
Update	- Update information
Add	- Add information
Delete	- Delete an aircraft group
Exit	- Exit module

Search

To find a specific aircraft group, follow instructions below:

In **Aircraft Group** field type the code you are searching for. Alternatively, if you lack all information regarding the selection, click the button marked with an arrow next to the field, to highlight a list of selections.



As soon as you start typing an explanatory window is opened, and a list of aircraft group codes are displayed. When you have located the correct code, simply mark it and press <Enter> (or double-click on the code).

Update

If you wish to change some data for a specific **Aircraft Group** type the new or updated data and press **Update**.

Create

If data concerning a specific code are missing, you can update the fixed files with the new code by entering it in the field for **Aircraft Group** and press <TAB>.

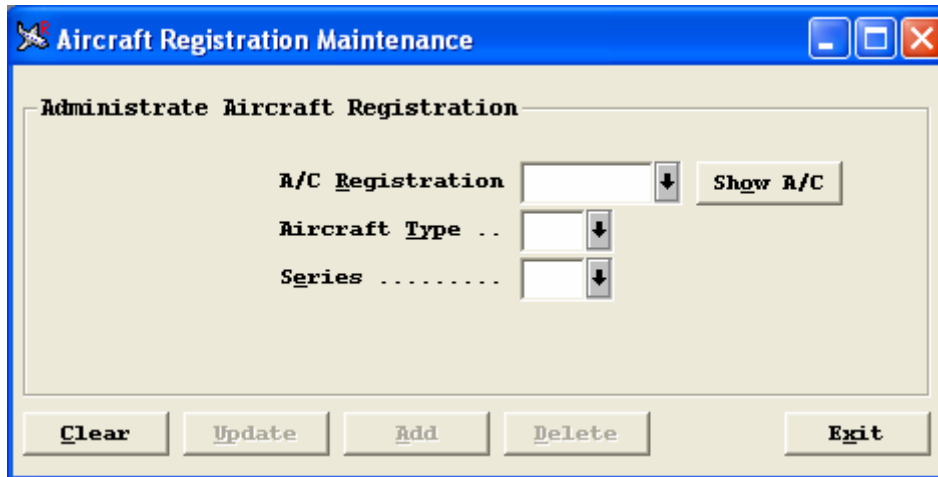
Add the missing information and validate by clicking **Add**.

Delete

In order to delete a code, identify it in the list, and press **Delete**.

AIRCRAFT REGISTRATION

To administrate aircraft registrations, the module to use is **Aircraft Registration Maintenance**. **Aircraft Registration Maintenance** is used to create, update or delete aircraft registrations. You can also use **Aircraft Registration Maintenance** to seek information regarding a specific aircraft registration.



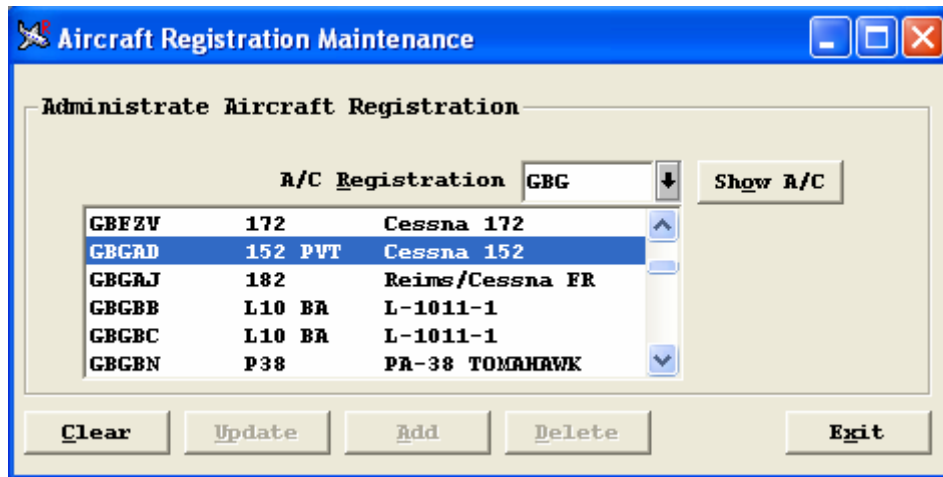
Description

A/C Registration	- Identity of the aircraft
Aircraft type	- Code for aircraft type
Series	- Manufactured version of aircraft
	- Show A/C Type information.
Show A/C	- Shows aircraft type information in module Aircraft Type Maintenance.
Clear	- Clear all fields
Update	- Update
Add	- Add information
Delete	- Delete an aircraft registration
Exit	- Exit module

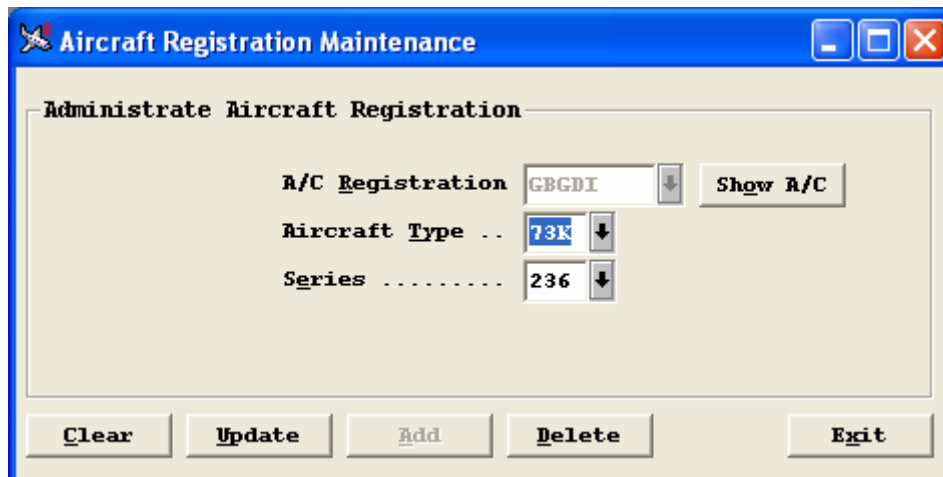
Search

To find a specific aircraft registration, follow the instructions below

In the field for **A/C Registration** you type the first character of the aircraft registration you are searching for. As soon as you start typing, an explanatory window is opened, and simultaneously as you type the second character the list is reduced to match your search.



If a third character is typed, the list is obviously reduced to match your query. Mark the registration and press <Enter>.



Note! Please observe that if a registration is missing in SAFIR, you will find the one closest to your search, as far as character recognition is concerned.

Show A/C

If you need information about a particular aircraft type, enter the registration of the aircraft in the A/C Registration field or enter the aircraft type in Aircraft Type field and

then click **Show A/C**. You will now see the information registered in the Aircraft Type Maintenance.

Update

If you wish to change any data in the fields **Aircraft Type** or **Series** that is explaining your registration, change the code by using the scroll down arrow by each field, choose the correct code and click **Update**.

Create

If data regarding a specific aircraft registration is missing, you can update the fixed files with the new registration.

In the field **A/C Registration**, type the correct registration and press <TAB>.

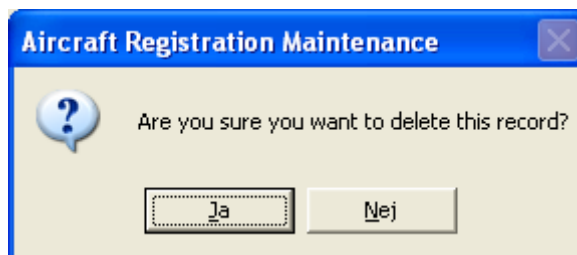
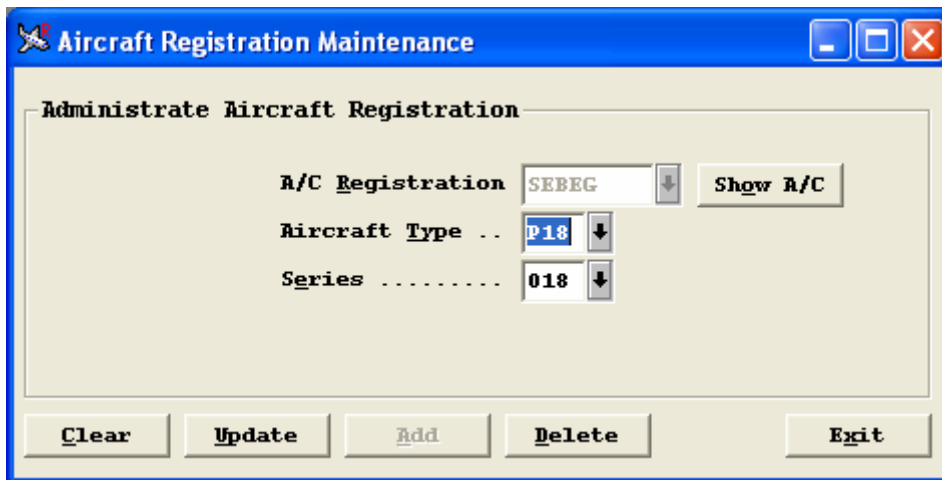
The screenshot shows a window titled "Aircraft Registration Maintenance" with a standard Windows-style title bar (minimize, maximize, close buttons). The main area is titled "Administrate Aircraft Registration" and contains three input fields: "A/C Registration" with the value "SEDXX" and a dropdown arrow, "Aircraft Type .." with an empty dropdown arrow, and "Series" with an empty dropdown arrow. To the right of the "A/C Registration" field is a "Show A/C" button. At the bottom of the window are five buttons: "Clear", "Update", "Add", "Delete", and "Exit".

Add the data concerning **Aircraft Type** and **Series** by using the scroll down arrows by each field. Validate by clicking **Add**.

Delete

In order to delete an aircraft registration, the following steps are to be taken:

Find the aircraft registration you wish to delete. Mark it in the list and click **Delete**.



Click <Yes> to confirm, or click <No> to abort deletion of aircraft registration.

AIRCRAFT TYPE

To administrate aircraft types, the module to use is *Aircraft Type Maintenance*. *Aircraft Type Maintenance* is used to create, update or delete aircraft types. You can also use *Aircraft Type Maintenance* to seek information regarding a specific aircraft type.

Description

IATA Aircraft Type	- IATA code for A/C type
ICAO Aircraft Type	- ICAO code for A/C type
Description	- Explanatory plain text
Average Cruising Speed (knots)	- Average Speed for A/C type

Aircraft Group	- A/C group categorization, A-F and X based on length of A/C: A = 00,00-14,99 m B = 15,00-23,99 m C = 24,00-35,99 m D = 36,00-51,99 m E = 52,00-64,99 m F = 65,00-xx,xx m X = Unknown
Dimensions UofM	- System of measurement
Wing Span	- Wingspan
Overall Length	- Operational length
Operational Length Door 1	- Location of 1st operational door, counting from end of A/C
Operational Length Door 2	- Location of 2nd operational door (if located forward of wing) counting from end of A/C
Min Operational Height of Aircraft	- Minimum height (for passenger embarkation purposes)
Max Operational Height of Aircraft	- Maximum height (for passenger embarkation purposes)
Default Door to be Used	- Standard embarkation door
Clear	- Clear all fields
Update	- Update information
Add	- Add data to fixed files
Delete	- Delete A/C type
Exit	- Exit module

Search

To find a specific A/C type, follow the instructions below:

In field **IATA Aircraft Type** the IATA-code for the A/C type of your search, alternatively **ICAO Aircraft Type**, if applicable. Alternatively, if you lack all information regarding the selection, click the button marked with an arrow next to the field, to highlight a list of selections.

Aircraft Type Maintenance

Administrate Aircraft Type

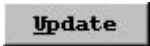
IATA Aircraft Type: SF | ICAO Aircraft Type: []

Description.	Average Cruis	Aircraft Gro	Dimensions U	Wing Span	Overall Length	Operational Length Door 1	Operational Length Door 2	Min Operational Height of Aircraft	Max Operational Height of Aircraft	Default Door to be Used
SAE										
SC3										
SC5										
SF3										
SH3										
SH5										
SH6										
SHB										
BLOM										
Blomster F11										
BAE-BULLDOG										
SHORTS BELFAST										
saab 340										
Shorts 330UTT S										
SHORTS BELFAST										
Shorts-360										
Shorts Belfast										

Buttons: Clear, Update, Add, Delete, Exit

As soon as you start typing, an explanatory window is opened, and simultaneously as you type the second character the list is reduced to match your search.


Update

If you wish to change any data in the fields regarding **Aircraft Type**, make necessary changes and click .

Create


If data for a specific A/C type are missing, you can update the hardcoded files with the new A/C type:

In the field **IATA Aircraft Type** (or **ICAO Aircraft Type**) type the correct A/C type and press <TAB>.

Add the missing information. Validate by clicking .

Delete

In order to delete an A/C type, follow the steps below:

Find the A/C type you wish to delete. Mark it in the list and click .

Click <**Yes**> to confirm, or click <**No**> to abort deletion of A/C type.

AIRPORT CODE

To administrate airport codes, the module to use is *Airport Code Definition*. *Airport Code Definition* is used to create, update or delete airport codes. You can also use *Airport Code Definition* to seek information regarding a specific airport or destination.

Description

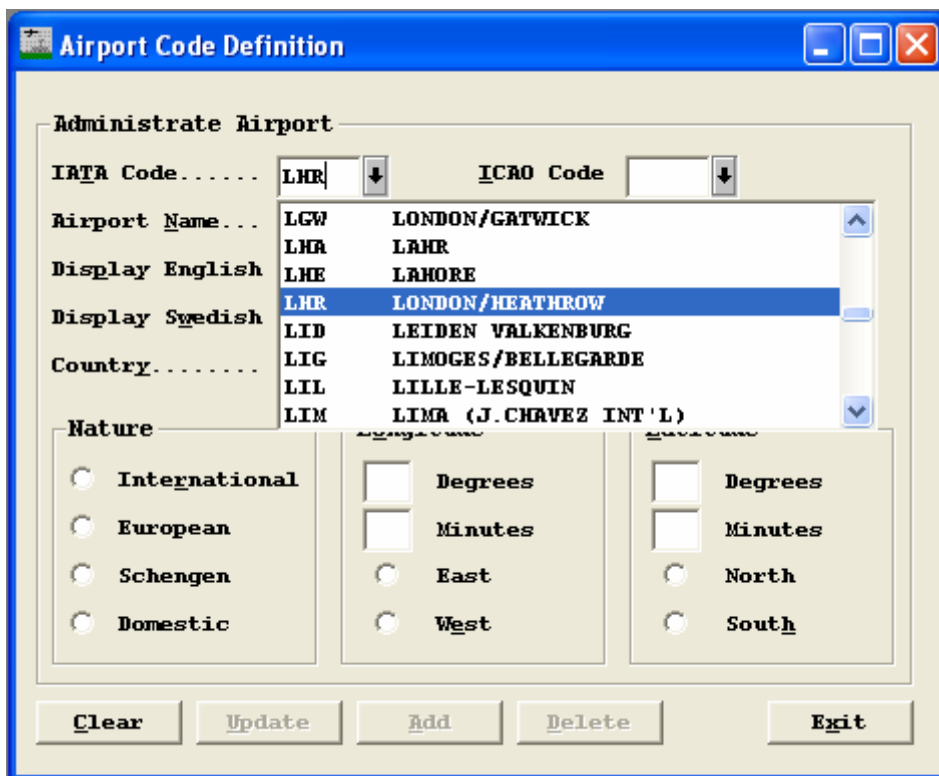
IATA Code	- IATA airport code
ICAO Code	- ICAO airport code
Airport Name	- Airport/destination name in plain text
Display English	- English airport name to be presented in the display system.
Display Swedish	- Swedish airport name to be presented in the display system.
Country	- Country of airport/destination
Nature	Type of airport

International	-	International traffic
European	-	European traffic
Schengen	-	Schengen treaty traffic
Domestic	-	Domestic traffic
Longitude		Longitude
Degrees	-	Degrees
Minutes	-	Minutes
East	-	East
West	-	West
Latitude		Latitude
Degrees	-	Degrees
Minutes	-	Minutes
North	-	North
South	-	South
Clear	-	Clear all fields
Update	-	Update hardcode files
Add	-	Add information
Delete	-	Delete airport
Exit	-	Exit module

Search


To find a specific airport code, follow the instructions below:

In the field for **IATA Code** or alternatively **ICAO Code**, you type the first character of the aircraft registration you are searching for. Alternatively, if you lack all information regarding the selection, click the button marked with an arrow next to the field, to highlight a list of selections. As soon as you start typing, an explanatory window is opened, and simultaneously as you type the second character the list is reduced to match your search.



When you have located the airport of your choice, mark it in the list and press <Enter> (or double-click in the list).


Update

If you wish to change any data in the fields of **Airport Code Definition** make necessary changes and click .

Create


If data is missing for a specific airport, you can update the hardcode files with the new airport:

In the field **IATA Code** (or **ICAO Code**) type the correct airport code en press <TAB>.

Add the missing information. Validate by clicking .

Delete

To delete an airport, following steps are to be taken

Find the airport you wish to delete. Mark it in the list and click .

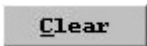
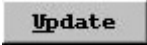

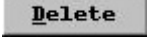
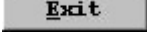
REMARK CODE

The codes to be used for internal and/or public remarks are administrated in the module called *Remark Code*.

Remark Code is used to create, update or delete remark codes. You can also use *Remark Code* to find information regarding a specific remark.

The screenshot shows a window titled "Remark Code" with a standard Windows-style title bar. Inside the window, there is a section titled "Administrate Remark Code". Below this title, there is a dropdown menu labeled "Remark Code" with a downward arrow. Underneath the dropdown are two text input fields: "Remark Text English" and "Remark Text Swedish". At the bottom of the window, there are five buttons: "Clear", "Update", "Add", "Delete", and "Exit".

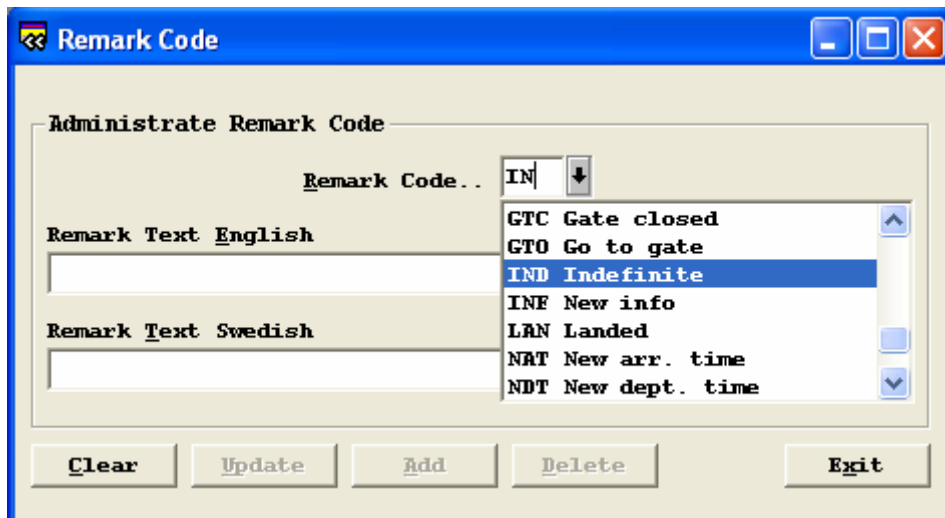
Description

Remark Code	- Three character code for remark
Remark Text English	- English explanatory test
Remark Text Swedish	- Swedish explanatory test
	- Clear all fields
	- Update hardcode files
	- Add information
	- Delete remark
	- Exit module

Search

To find a specific remark code, follow the instructions below:

In the field for **Remark Code** you type the first character of the remark code you are searching for. Alternatively, if you lack all information regarding the selection, click the button marked with an arrow next to the field, to highlight a list of selections.



As soon as you start typing, an explanatory window is opened, and simultaneously as you type the second character the list is reduced to match your search. When you have located the code of your search, mark it and press <Enter> (or double-click in the list).

Update

If you wish to change any data in the fields for **Remark Code** make necessary changes and click **Update**.

Create

If data regarding a specific remark is missing, you can update the hardcode files by the new code:

In the field **Remark Code** type the new remark code and press <TAB>.

Add the missing information. Validate by clicking **Add**.

Delete

To delete a remark code, you simply locate the remark code you wish to delete, mark it in the list and click **Delete**.

CALLSIGN DEFINITION

In the FIAT system a different flight number is used than in SAFIR. *Callsign Definition* is used to define translations between inbound/outbound flight numbers between FIAT and SAFIR. *Callsign Definition* is also used to create, update or delete callsigns. You can also seek information regarding a specific Callsign.

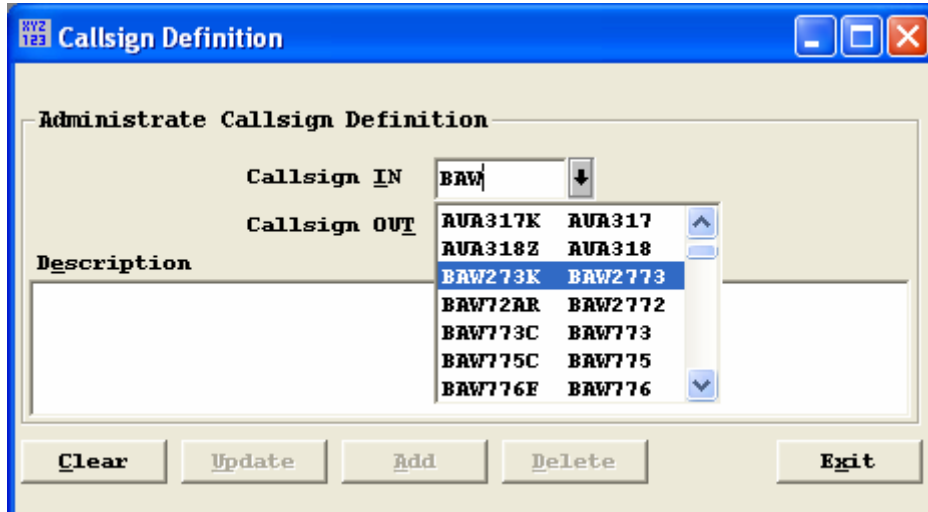
Description

Callsign IN	- Inbound flight number
Callsign OUT	- Outbound flight number
Description	- Explanatory plain text
Clear	- Clear all fields
Update	- Update hardcode files
Add	- Add information
Delete	- Delete callsign
Exit	- Exit module

Search

To find a specific callsign follow the instructions below:

In the field **Callsign IN** or **Callsign OUT** you type the callsign you are looking for. Alternatively, if you lack all information regarding the selection, click the button marked with an arrow next to the field, to highlight a list of selections.



As soon as you start typing, an explanatory window is opened, and simultaneously as you type the second character the list is reduced to match your search. When you have located the callsign of your search, mark it and press <Enter> (or double-click in the list).

Update

If you wish to change any data in the fields for **Callsign Definition** make necessary changes and click **Update**.

Create

If a callsign is missing, you can update the hardcoded files by the new callsign: In the field **Callsign In** type the new callsign and press <TAB>.

Add the missing information. Validate by clicking **Add**.

Delete

To delete a callsign, you simply locate the callsign you wish to delete, mark it in the list and click **Delete**.

CAROUSEL / CHUTE DEFINITION

To administrate carousels and chutes, the module to use is *Carousel /Chute*. *Carousel /Chute* is used to create, update or delete information regarding carousels and chutes. You can also use *Carousel /Chute* to seek information regarding chutes and carousels

Note! Carousels are also referred to as Baggage Reclaim belts and Chutes as Baggage Sortation Pockets.

Description

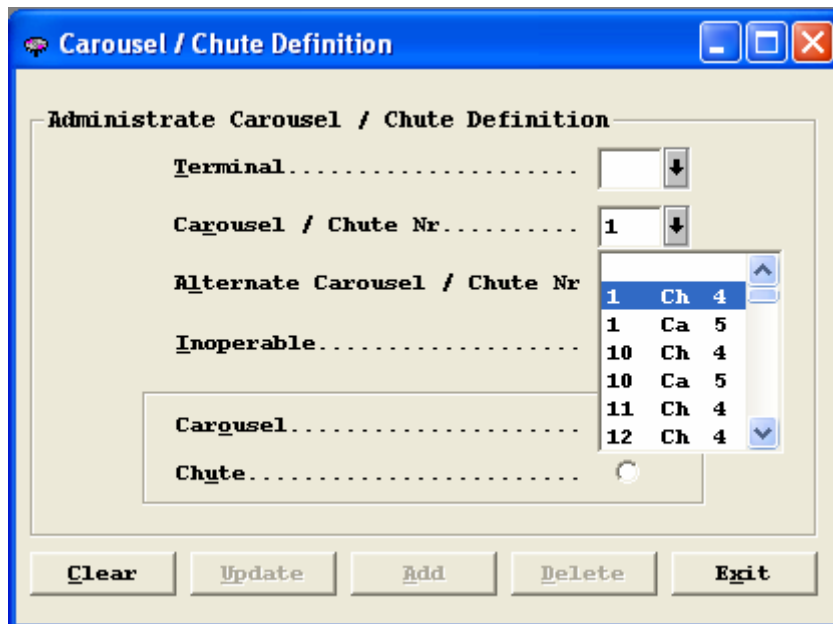
Terminal	- Terminal code
Carousel / Chute Nr	- Identity of arrival belt / baggage sortation pocket
Alternate Carousel / Chute Nr	- Identity of alternative arrival belt / baggage sortation pocket
Inoperable	- Marked if applicable
Carousel	- Marked if a arrival belt
Chute	- Marked if a baggage sortation pocket
Clear	- Clear all fields
Update	- Update fixed files

Add	- Add information
Delete	- Delete information
Exit	- Exit module

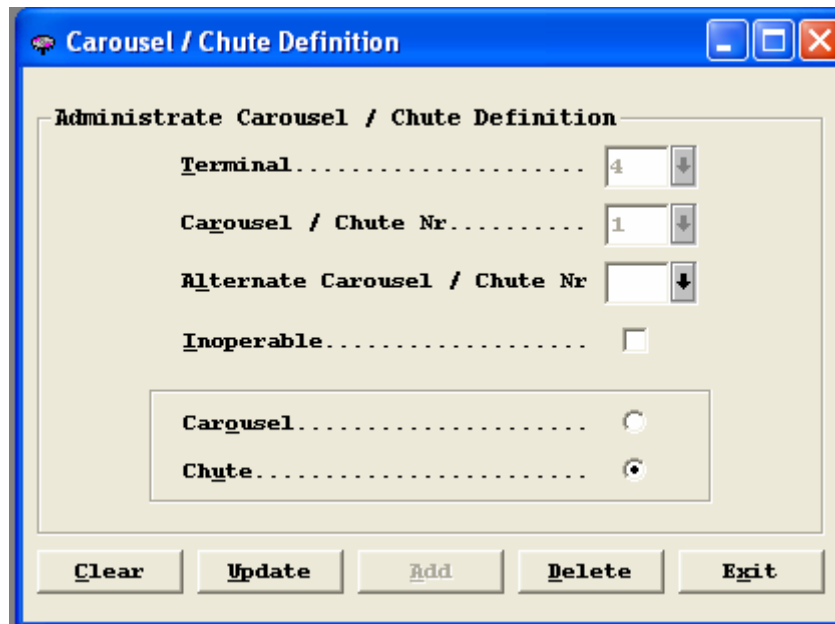
Search

To find a specific **Carousel / Chute Nbr**, follow the instructions below:

In field **Carousel / Chute Nbr** type the **Carousel** or **Chute Nbr** for the Carousel or Chute of your search. Alternatively, if you lack all information regarding the selection, click the button marked with an arrow next to the field, to highlight a list of selections



When you have located the Carousel or Chute of your choice, mark it in the list and press <Enter> (or double-click in the list).



Update

If you wish to change any data in the fields of **Carousel / Chute Definition** make necessary changes and click **Update**.

Create

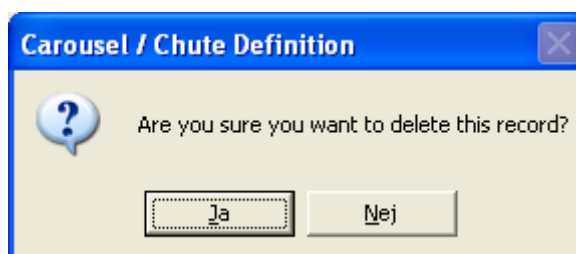
If data for a specific Carousel or Chute are missing, you can update the fixed files with the new Carousel or Chute:

In the field **Carousel / Chute Definition** type the correct Carousel or Chute nbr and press <TAB>.

Add the missing information. Validate by clicking **Add**.

Delete

To delete a Carousel or Chute nbr, you simply locate the Carousel or Chute you wish to delete, mark it in the list and click **Delete**.



Confirm by clicking on <Yes>, or click <No> to abort deletion of Carousel / Chute.

CHECK-IN DETAILS

The codes to be used for different Check-In Types are administrated in the module called *Check-In Details*.

Check-In Details is used to create, update or delete Check-In Type codes. You can also use *Check-In Details* to find information regarding a specific Check-In Type.

Description

Flight Type	- IATA standard code for type of flight. C= Common
Check-In Type	- D= Dedicated X= Special
Check-In Open Offset (minutes)	- Nbr of minutes before STO (Schedule Time of Operation) that the check-In opens.
Check-In Closed Offset (minutes)	- Nbr of minutes before STO (Schedule Time of Operation) that the check-In closes.
Clear	- Clear fields
Update	- Update
Add	- Add

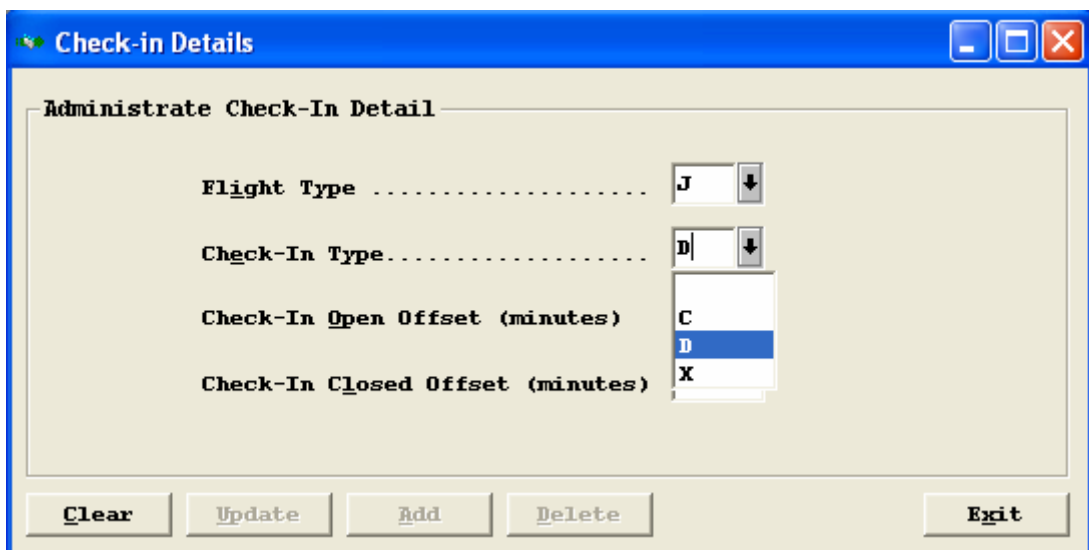
Delete	- Delete
Exit	- Exit

Search

To find information about a specific Check-In Type, follow the instructions below:

In the field **Flight Type**, type the code for the flight type. Alternatively, if you lack all information regarding the selection, click the button marked with an arrow next to the field, to highlight a list of selections. When you have located the Flight Type of your choice, mark it in the list and press **<Enter>** (or double-click in the list).

In field **Check-In Type**, type the code for the Check-In type of your search. Alternatively, if you lack all information regarding the selection, click the button marked with an arrow next to the field, to highlight a list of selections.



When you have located the Check-In Type of your choice, mark it in the list and press **<Enter>** (or double-click in the list).

Update

If you wish to change any data in the fields of **Check-In Details** make necessary changes and click **Update**.

The screenshot shows a window titled "Check-in Details" with a blue title bar. Inside the window, there is a section titled "Administrate Check-In Detail". Below this title, there are four rows of input fields:

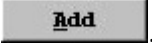
- Flight Type**: A dropdown menu with the letter "J" selected.
- Check-In Type**: A dropdown menu with the letter "D" selected.
- Check-In Open Offset (minutes)**: A text input field containing the number "180".
- Check-In Closed Offset (minutes)**: A text input field containing the number "10".

At the bottom of the window, there are five buttons: "Clear", "Update", "Add", "Delete", and "Exit".

Create

If data for a specific Check-In type is missing, you can update the fixed files with the new Check-In Type:

In the field **Check-In Type** type the correct Check-In Type Code and press <TAB>.

Add the missing information. Validate by clicking .

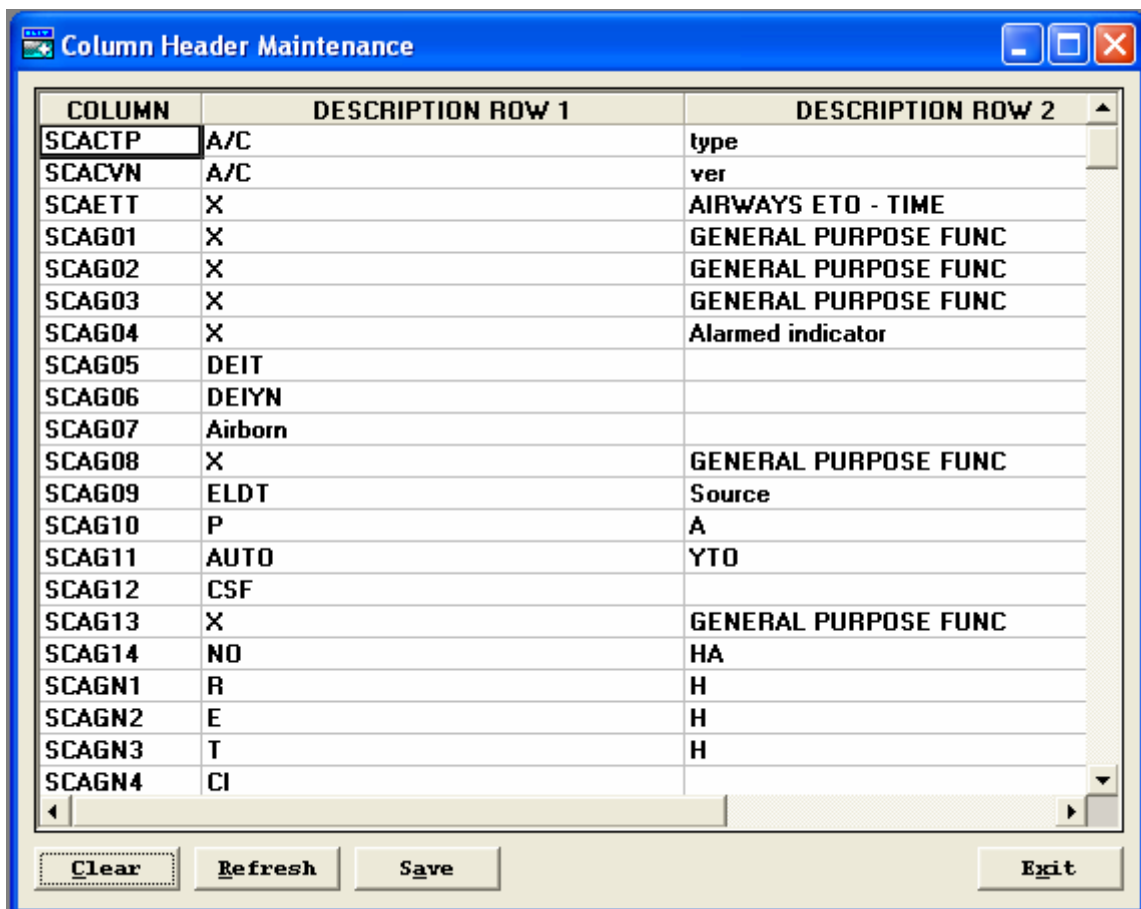
Delete

To delete a Check-In Type Code, you simply locate the Check-In Type you wish to delete, mark it in the list and click .

COLUMN HEADER


In order to administrate the names and descriptions of the columns that you chose to display in ViewMaster and other modules that display information from Schedule file, use the module **Column Header**. **Column Header** is used to change descriptions of existing columns. You can also use **Column Header** to find information regarding a specific column.

Any module that needs to display a description of a column uses the descriptions that are entered in this module.




Description

COLUMN	-	Column name
DESCRIPTION ROW 1	-	Description row 1
DESCRIPTION ROW 2	-	Description row 2
<input type="button" value="Clear"/>	-	Clear the descriptions

	-	Refresh data
	-	Save changes.
	-	Exit

Update

To change any of the descriptions for a column you edit the text under **Description Row 1** or **Description Row 2**. Save changes by clicking .

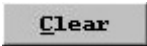

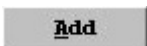
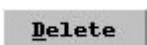
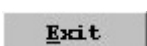
COLUMN MAINTENANCE

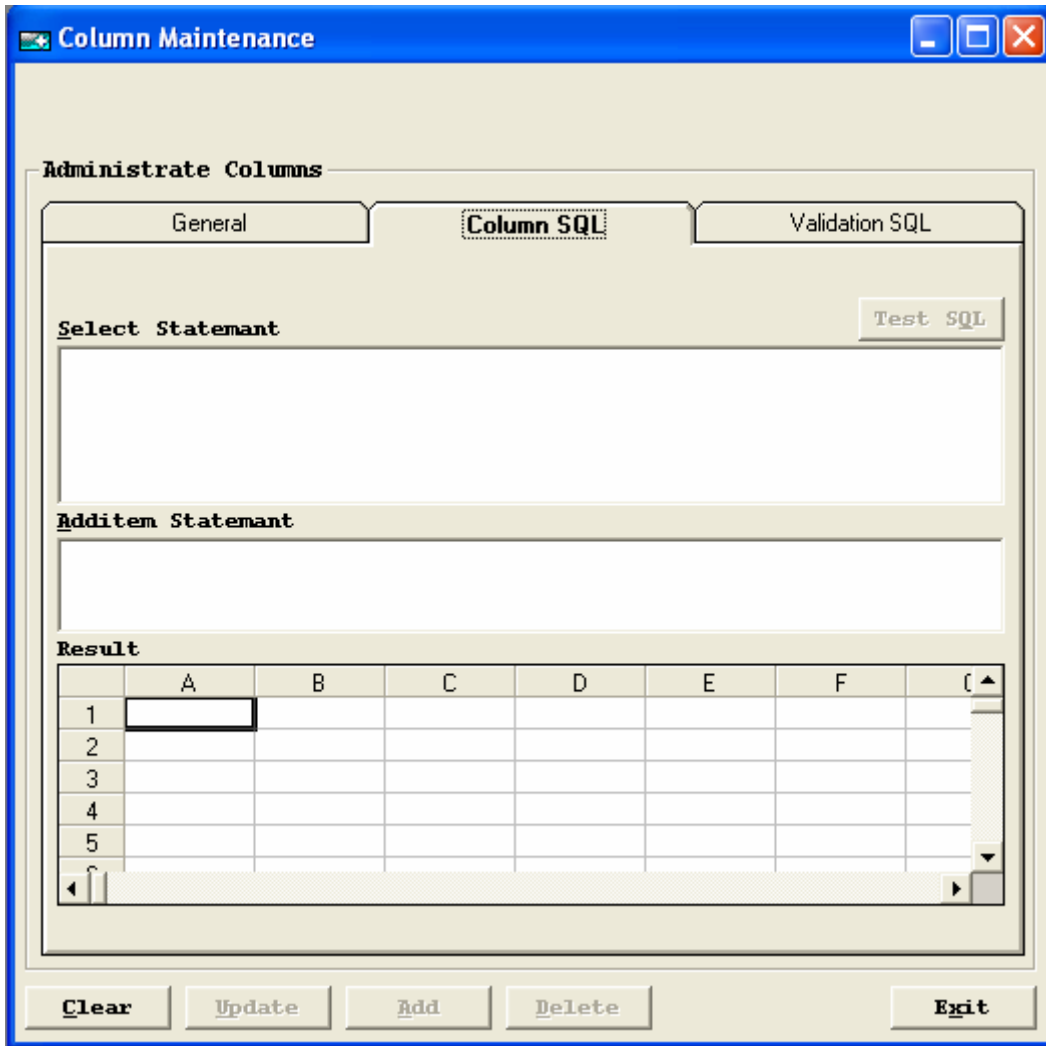
To administer the configuration of the columns that you can chose to display in the ViewMaster or other modules, the module to use is **Column Maintenance**. **Column Maintenance** is used to change information of existing columns or Add or Delete columns. You can also use **Column Maintenance** to find information regarding a specific column.

Any module that needs to refer to a column uses the data and descriptions that are entered in this module.

In **Column Maintenance** there are three folder described as **General**, **Column SQL** and **validation SQL**, which are described below.

Description

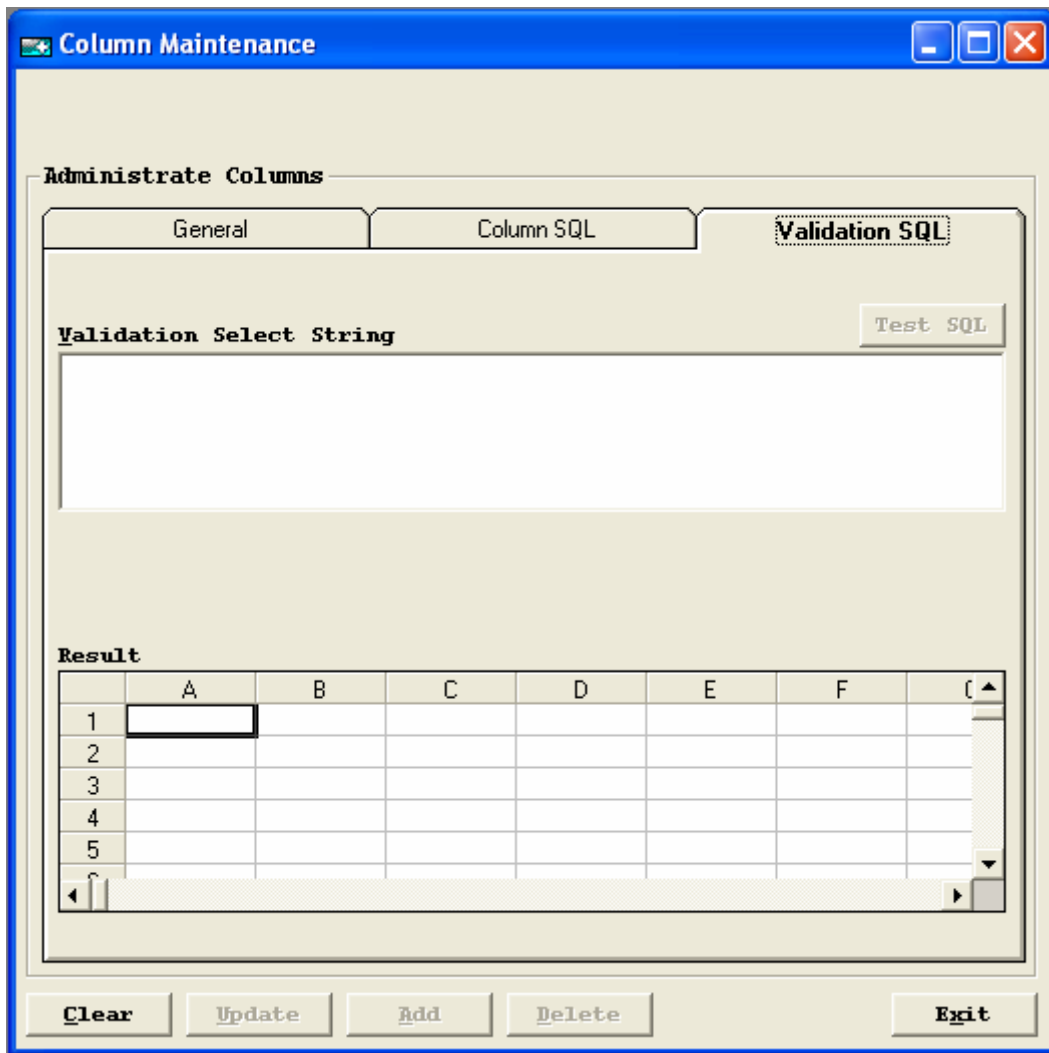
Tables	- Selected Table
Columns	- Selected Column
Default Heading 1	- Description row 1 (Can also be edited in <i>Column Header</i> module)
Default Heading 2	- Description row 2 Can also be edited in <i>Column Header</i> module)
Length on table	- Max number of characters in column
Lower Range	- Lower range for a number column
Upper Range	- Upper range for a number column
Data Type	- Data type of column
Validation Rule	- Not used in this version of SAFIR
Selection List	- Not used in this version of SAFIR
Comments	- Free text for comments about this column
Grid Control Type	- Type of control to display if column is used in a grid
Used for Arr/Dep	- Scope for column
Edit Override	- If Not selected View builder decides if user is allowed to edit column if used in a grid. If selected no user can edit this column.
	- Clear fields
	- Update
	- Add
	- Delete
	- Exit



Description

Select Statement	- Select statement for displaying - Review data for selected column
Additem Statement	- Not used in this version of SAFIR
Result	- Result from select statement
Test SQL	- Test SQL statement from Select Statement
Clear	- Clear fields

Update	- Update
Add	- Add
Delete	- Delete
Exit	- Exit



Description

Validation select string	- Not used in this version of SAFIR
Result	- Not used in this version of SAFIR

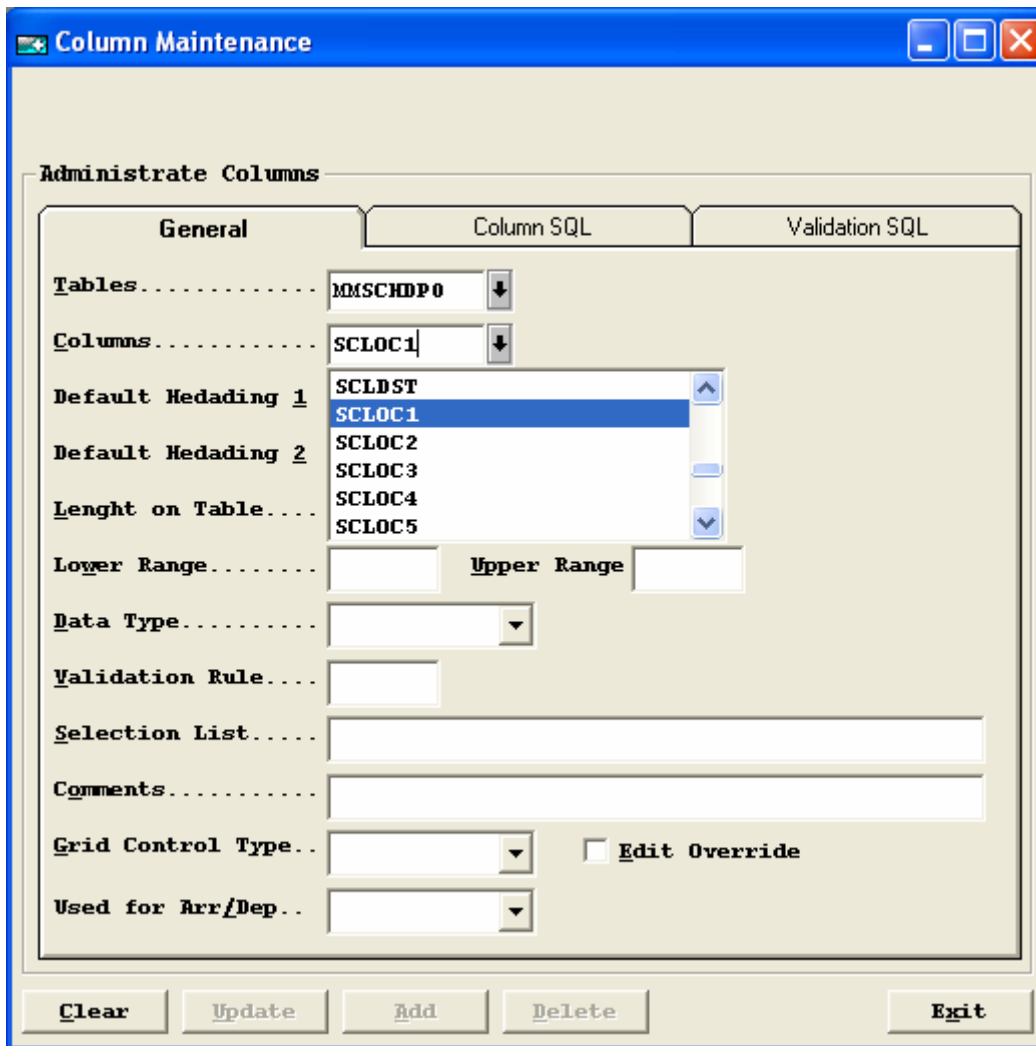
Test SQL	- Not used in this version of SAFIR
Clear	- Clear fields
Update	- Update
Add	- Add
Delete	- Delete
Exit	- Exit

Search

To find information about a specific Column, follow the instructions below:

In the field **Tables**, type the name for the table. Alternatively, if you lack all information regarding the selection, click the button marked with an arrow next to the field, to highlight a list of selections. When you have located the table of your choice, mark it in the list and press <Enter> (or double-click in the list).

In field **Columns**, type the name of the column of your search. Alternatively, if you lack all information regarding the selection, click the button marked with an arrow next to the field, to highlight a list of selections.



When you have located the column of your choice, mark it in the list and press <Enter> (or double-click in the list).

Update

If you wish to change any data in the fields of **Column maintenance** make necessary changes and click **Update**.

The screenshot shows the 'Column Maintenance' dialog box with the 'General' tab selected. The dialog is titled 'Column Maintenance' and has standard window controls (minimize, maximize, close). The main area is divided into three sections: 'General', 'Column SQL', and 'Validation SQL'. The 'General' section contains the following fields:

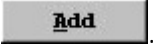
- Tables**: A dropdown menu showing 'MMSCHDPO'.
- Columns**: A dropdown menu showing 'SCLOC1'.
- Default Hedading 1**: A text box containing 'Route'.
- Default Hedading 2**: An empty text box.
- Lenght on Table**: A text box containing '4'.
- Lower Range**: An empty text box.
- Upper Range**: An empty text box.
- Data Type**: A dropdown menu showing 'CHAR'.
- Validation Rule**: A text box containing 'AN'.
- Selection List**: An empty text box.
- Comments**: A text box containing 'ORIGIN-1/DESTIN-1 (IATA)'.
- Grid Control Type**: A dropdown menu showing '1' and an unchecked checkbox labeled 'Edit Override'.
- Used for Arr/Dep**: A dropdown menu showing 'Both'.

At the bottom of the dialog, there are five buttons: 'Clear', 'Update', 'Add', 'Delete', and 'Exit'.


Create

If data for a specific column is missing, you can update the fixed files with the new column:

In the field **Columns** type the correct column name and press <TAB>.

Add the missing information. Validate by clicking .

Delete

To delete a column, you simply locate the column you wish to delete, mark it in the list and click .

DELAY CODES

To administrate delay codes, the module to use is *Delay Codes*. *Delay Codes* is used to create, update or delete delay codes. You can also use *Delay Codes* to seek information regarding a specific delay code.

Before starting operation in this module, the definitions of delay codes must be clear. There are three different variables of delays codes, and they are:

- ICAO – Standard format
- IATA – Standard format
- Airline - Valid for this operator

Basics in SAFIR are that IATA, ICAO and Airline delay codes are used for both internal and public use.

The screenshot shows a window titled "Delay Codes" with a standard Windows-style title bar. Inside the window, there is a form titled "Administrate Delay Code". The form contains the following fields and controls:

- ICAO Delay Code**: A dropdown menu.
- IATA Delay Code**: A dropdown menu.
- Operator.....**: A dropdown menu.
- Description....**: A text input field.
- IATA Standard**: A dropdown menu.

At the bottom of the form, there are five buttons: **Clear**, **Update**, **Add**, **Delete**, and **Exit**.

Description

ICAO Delay Code	- ICAO delay code
IATA Delay Code	- IATA delay code
Operator	- Airline/Operator

Description	- Explanatory plain text
IATA Standard	- IATA standard format
Clear	- Clear all fields
Update	- Update hardcode files
Add	- Add delay code
Delete	- Delete a delay code
Exit	- Exit module

Search

To find a specific delay code, follow the instructions below:

In the field for **ICAO Delay Code** or **IATA Delay Code** you type the first character of the delay code you are searching for. Alternatively, if you lack all information regarding the selection, click the button marked with an arrow next to the field, to highlight a list of selections.

The screenshot shows a window titled "Delay Codes" with a sub-header "Administrate Delay Code". It features a search interface with the following fields and a list:

- ICAO Delay Code**: A text field containing the letter 'R' and a dropdown arrow button.
- IATA Delay Code**: A text field.
- Operator**: A text field with a dotted line.
- Description**: A text field with a dotted line.
- IATA Standard**: A text field.

The dropdown menu is open, displaying a list of delay codes with their corresponding ICAO and IATA codes and descriptions:

PH	15	BOARDING
PL	12	LATE CHECK-IN
PO	14	OVERSALES
PS	16	COMMERCIAL PUB
RA	93	AC ROTATION
RC	95	CREW ROTATION
RL	91	LOAD CONNECTION
RO	96	OPERATIONAL CON
RS	94	CAB CREW ROTATI

At the bottom of the window, there are five buttons: **Clear**, **Update**, **Add**, **Delete**, and **Exit**.

As soon as you start typing, an explanatory window is opened, and simultaneously as you type the second character the list is reduced to match your search.

When you have located the delay code of your search, mark it and press <Enter> (or double-click in the list).

Update

If you wish to change any data in the fields for **Delay Codes** make necessary changes and click **Update**.

Delay Codes

Administrate Delay Code

ICAO Delay Code RA

IATA Delay Code 93

Operator.....

Description... AC ROTATION

IATA Standard

Clear Update Add Delete Exit

Create

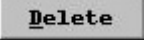
If information is missing regarding a specific delay code, you can update the hardcode files with the missing information:

In the field **IATA Delay Code** or **ICAO Delay Code**, type the correct delay code and press <TAB>.

Add the missing data and validate by clicking **Add**.

Through typing the prefix of an airline in the field for **Operator** the specific delay code is valid for that airline only.

Delete

To delete a delay code, you simply locate the delay code you wish to delete, mark it in the list and click .

DESK DEFINITION

To administrate check-in desks, the module to use is **Desk Definition**. **Desk Definition** is used to create, update or delete check-in desks at a specific terminal. You can also use **Desk Definition** to seek information regarding a specific check-in desk.

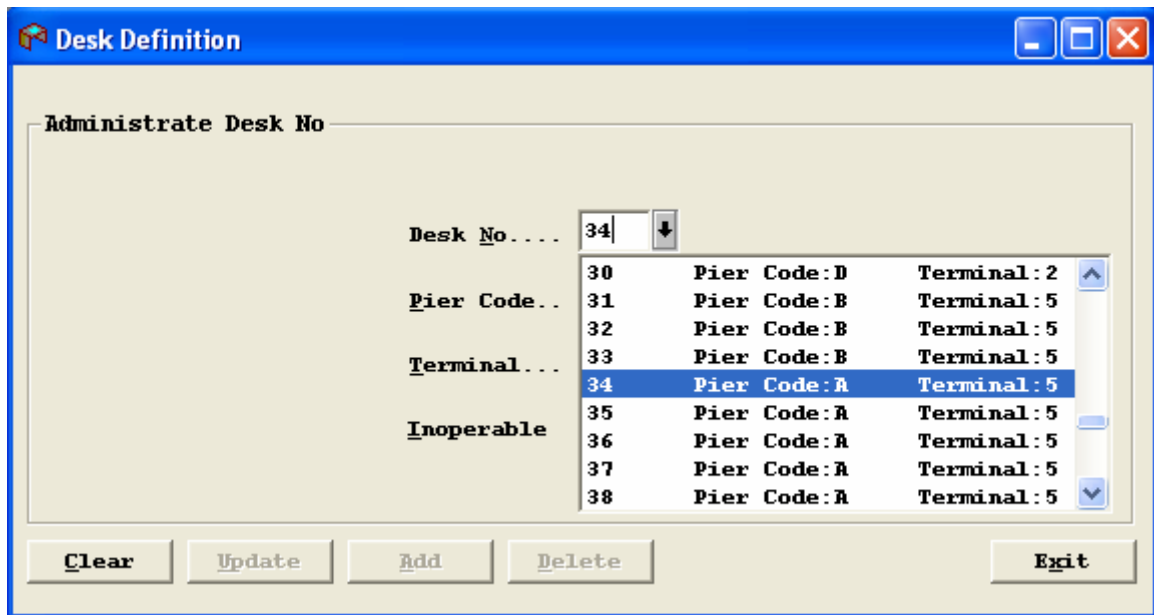
Description

Desk No	- Number of the check-in desk
Pier Code	- Pier of check-in desk allocation
Terminal	- Terminal of check-in desk allocation
Inoperable	- Marked, if applicable
Clear	- Clear all fields
Update	- Update hardcode files
Add	- Add check-in desk
Delete	- Delete check-in desk
Exit	- Exit module

Search

To find a specific check-in counter, follow the instructions below:

In the field for **Desk No** you type the first character of the desk number you are searching for. Alternatively, if you lack all information regarding the selection, click the button marked with an arrow next to the field, to highlight a list of selections.



As soon as you start typing, an explanatory window is opened, and simultaneously as you type the second character the list is reduced to match your search. When you have located the check-in desk of your search, mark it and press **<Enter>** (or double-click in the list).

Update

If you wish to change any data in the fields for **Desk Definition** make necessary changes and click **Update**.

Create

If information is missing regarding a specific check-in desk, you can update the hardcoded files with the missing information:

In the field **Desk No**, type the correct check-in desk number and press **<TAB>**.

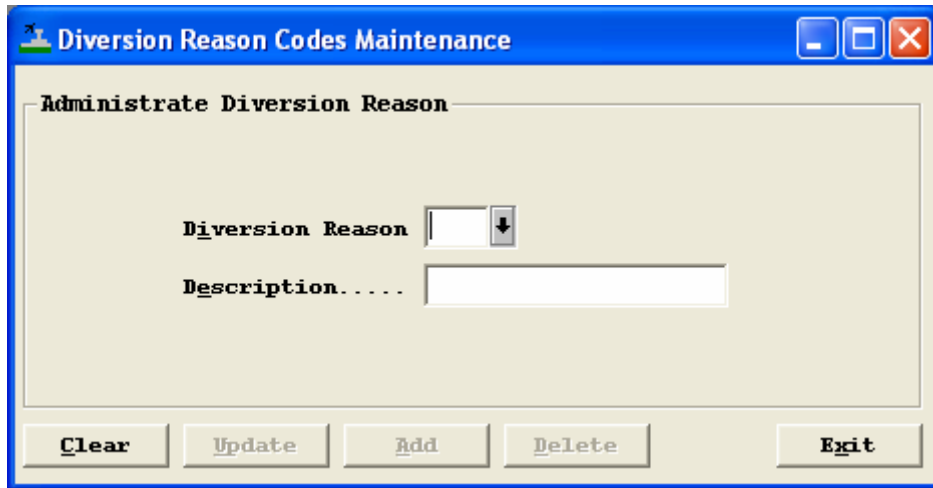
Add the missing data and validate by clicking **Add**.

Delete

To delete a check-in desk, you simply locate the check-in desk you wish to delete, mark it in the list and click **Delete**.

DIVERSION REASON CODES

To administrate diversion codes, the module to use is *Diversion Reason Codes Maintenance*. *Diversion Reason Codes Maintenance* is used to create, update or delete diversion reason codes. You can also use *Diversion Reason Codes Maintenance* to seek information regarding a specific diversion code.



Description

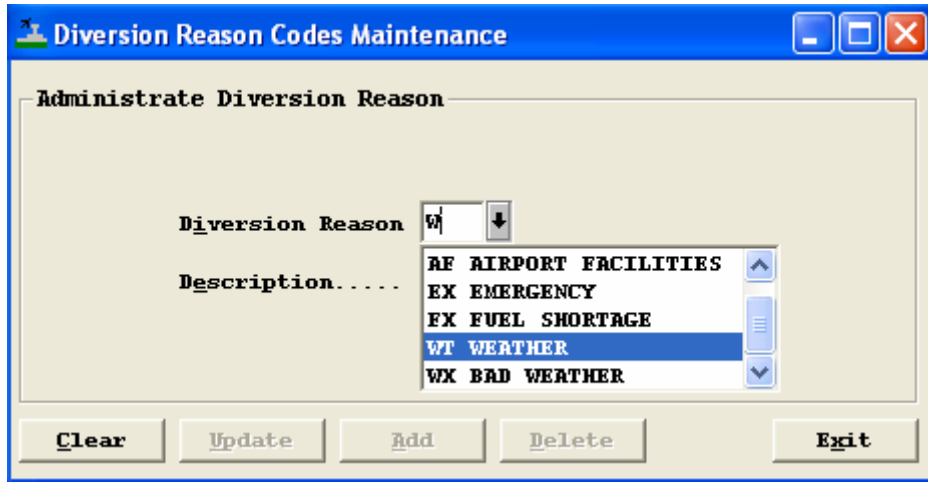
Diversion Reason	- Code for diversion reason
Description	- Explanatory plain text message
Clear	- Clear all fields
Update	- Update hardcode files
Add	- Add diversion reason code
Delete	- Delete diversion reason code
Exit	- Exit module

Search

To find a specific diversion reason, follow the instructions below:


In the field for **Diversion Reason** you type the first character of the diversion reason you are searching for. Alternatively, if you lack all information regarding the

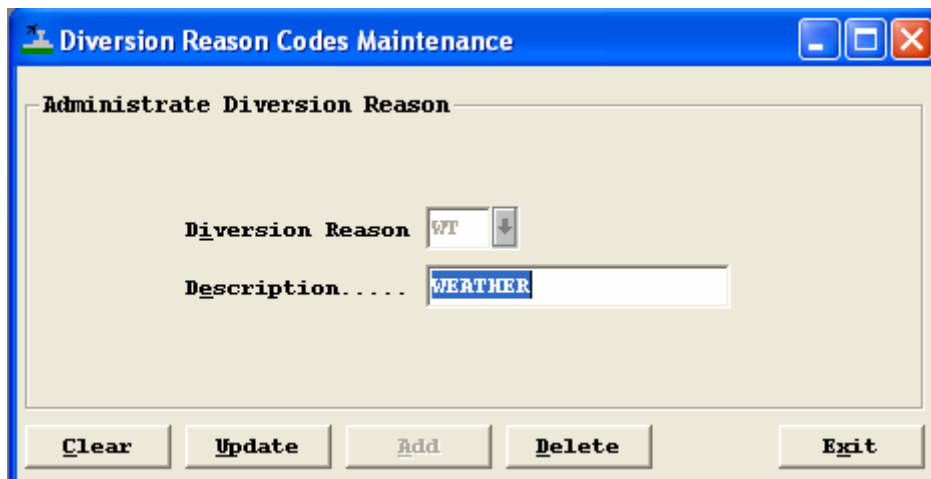
selection, click the button marked with an arrow next to the field, to highlight a list of selections.



As soon as you start typing, an explanatory window is opened, and simultaneously as you type the second character the list is reduced to match your search. When you have located the diversion reason of your search, mark it and press <Enter> (or double-click in the list).

Update


If you wish to change any data in the fields for **Diversion Reason Codes** make necessary changes and click .



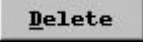
Create

If information is missing regarding a specific diversion reason code, you can update the hardcoded files with the missing information:

In the field **Diversion Reason**, type the correct diversion reason code and press <TAB>.

Add the missing data and validate by clicking 

Delete

To delete a diversion reason code, you simply locate the code you wish to delete, mark it in the list and click .

FLIGHT RANGE

Flight Range controls how the flights are handled in SAFIR (it determines which department is entitled access to a certain flight). For example ground handling rights.

Description

IATA Operator Code	- Operator (Airline) prefix in IATA standard format
Operator Name	- The name of the operator
Arr/Dep	- Arrival / Departure
Date/Time in UTC	Date / Time in UTC format (GMT)
From	- From
To	- To

Flight Number		Flight Number
From	-	From
To	-	To
Schedule file		
Column Name	-	Column name
Column Value	-	Column Value
Clear	-	Clear
Split	-	Split record
Add	-	Add record
Delete	-	Delete
Copy	-	Copy record
Exit	-	Exit

Information that should exist in the flight range is which handling agent has access to the flight (Ramp, Expedition) and which terminal the operator uses.

Update

For example in this case we want to change the terminal for a BA flight. The new terminal is number 5.

In the **IATA Operator code** field you enter BA. A list with visible records is shown.

Flight Range Maintenance

Flight Range

IATA Operator Code, Select range:

BA

AZ	2004-01-23 12:59 To 2010-01-23 12:55	0001 To 9999	SCTERM	5
AZX	2001-12-04 00:01 To 2004-12-31 23:59	0001 To 9999	SCAGN1	L
AZX	2001-12-04 00:01 To 2004-12-31 23:59	0001 To 9999	SCAGN2	L
AZX	2001-12-17 14:00 To 2004-12-31 23:59	0001 To 9999	SCAGN6	L
AZX	1996-11-06 00:01 To 2010-12-31 00:00	0001 To 9999	SCTERM	2
B2	2001-12-04 00:01 To 2003-06-09 21:59	0001 To 9999	SCAGN1	J
B2	2003-06-09 22:01 To 2010-06-09 21:59	0001 To 9999	SCAGN1	L
B2	2001-12-04 00:01 To 2003-06-09 21:59	0001 To 9999	SCAGN2	J
B2	2003-06-09 22:01 To 2010-06-09 21:59	0001 To 9999	SCAGN2	L
B2	2001-12-17 14:00 To 2003-06-09 21:55	0001 To 9999	SCAGN6	J
B2	2003-06-09 22:01 To 2010-06-09 21:59	0001 To 9999	SCAGN6	L
B2	2000-09-15 14:37 To 2010-12-31 23:59	0001 To 9999	SCCTYP	D D
B2	1999-01-03 10:00 To 2010-12-31 00:00	0001 To 9999	SCTERM	5
BA	2001-12-04 00:01 To 2003-08-09 22:00	0001 To 9999	SCAGN1	J
BA	2003-08-09 22:01 To 2006-02-15 23:59	0001 To 9999	SCAGN1	F
BA	2001-12-04 00:01 To 2003-08-09 22:00	0001 To 9999	SCAGN2	J
BA	2003-08-09 22:01 To 2003-08-10 22:01	0001 To 9999	SCAGN2	F
BA	2003-08-10 22:02 To 2006-01-18 23:59	0001 To 9999	SCAGN2	F

Clear Split Add Delete Copy Exit

You cannot change information within a record. First you have to split the record from the date that the new changes should be valid from. Select the record you want by double-clicking. To change the terminal for the operator, select the record that specifies a value for the field **SCTERM**. (For more information about the fields, use the module Column header.)

The screenshot shows the 'Flight Range Maintenance' dialog box. It contains the following fields and controls:

- Flight Range** section:
 - IATA Operator Code, Select range:** A dropdown menu with 'BA' selected.
 - Operator name:** A text field containing 'BRITISH AIRWAYS'.
 - Arr/Dep:** A dropdown menu with 'D' selected.
- Date/Time in UTC** section:
 - From:** A dropdown menu with '2001-11-30 15:40' selected.
 - To:** A dropdown menu with '2010-12-31 23:55' selected.
- Flight Number** section:
 - From:** A text field with '0001'.
 - To:** A text field with '9999'.
- Schedule file** section:
 - Column name:** A dropdown menu with 'SCCTYP' selected.
 - Column value:** A text field with 'C'.

At the bottom of the dialog are buttons for **Clear**, **Split**, **Add**, **Delete**, **Copy**, and **Exit**.

Click on **Split**.

The screenshot shows the 'Split' dialog box. It contains the following fields and controls:

- Start Split at Date and Time (UTC):** A dropdown menu with '2006-03-22 13:34' selected.
- Buttons for **Ok** and **Cancel**.

Enter the date that you want to split the record and click **<Ok>**.

The screenshot shows the 'SAFIR' dialog box. It contains the following text and controls:

- Text: 'Do you wish to create a new Flightrange: From 2006-03-22 13:34 To:2010-12-31 23:55?'.
- Buttons for **Ja** and **Nej**.

Confirm by clicking on <Yes>.

A new flight range record is now displayed.

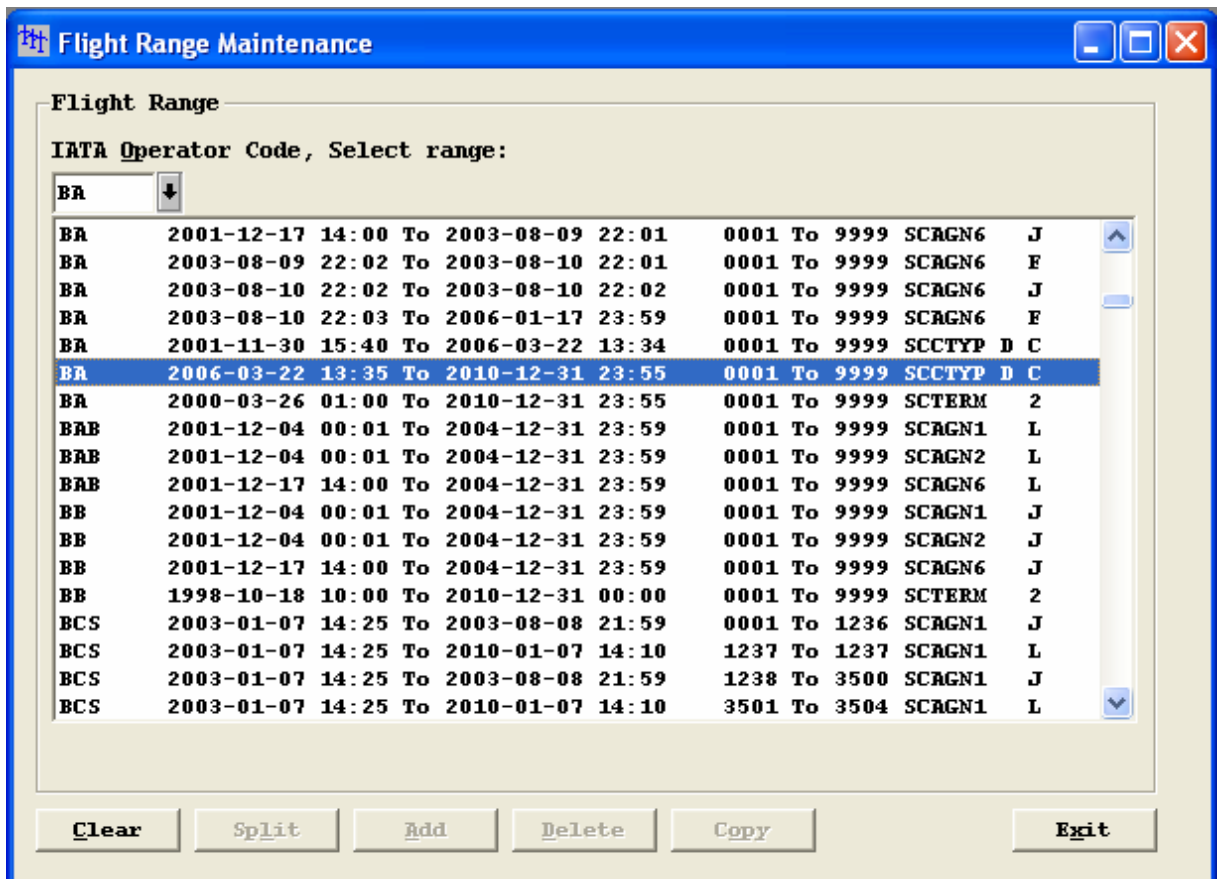
The screenshot shows a window titled "Flight Range Maintenance" with a blue title bar and standard Windows window controls. The main area contains a form with the following fields and controls:

- Flight Range** (Section Header)
- IATA Operator Code, Select range:** A dropdown menu with "BA" selected.
- Operator name:** A text field containing "BRITISH AIRWAYS".
- Arr/Dep:** A dropdown menu with "D" selected.
- Date/Time in UTC** (Section Header) with two text fields: **From:** (empty) and **To:** (empty).
- Flight Number** (Section Header) with two text fields: **From:** containing "0001" and **To:** containing "9999".
- Schedule file** (Section Header) with two dropdown menus: **Column name:** containing "SCCTYP" and **Column value:** containing "C".

At the bottom of the window, there is a row of buttons: **Clear**, **Split**, **Add**, **Delete**, **Copy** (highlighted with a dotted border), and **Exit**.

The new Flight Range record is almost complete. Replace the Column value for the old terminal with the new terminal value (5).

Finish by clicking on **Add**.



The new Flight Range record is now added to the list of records.

Create

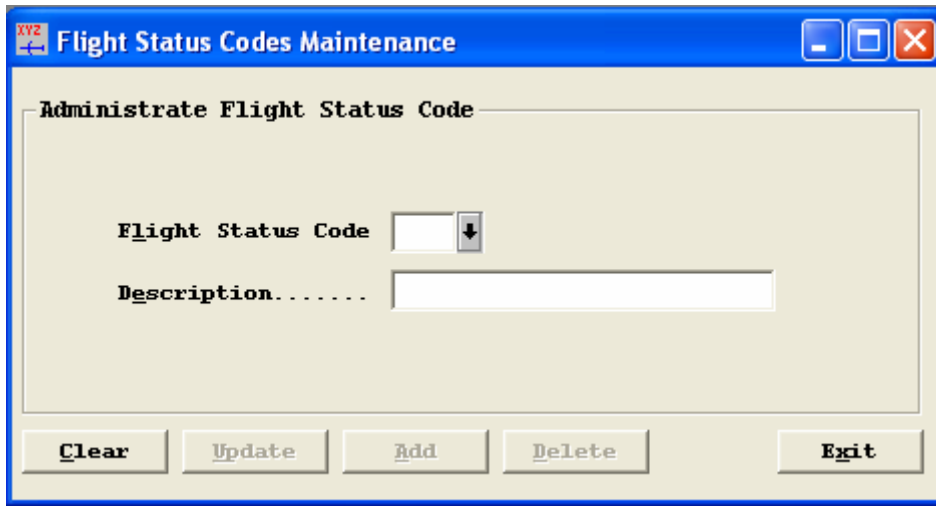
If a specific record in flight range is missing, you can update the files with the new record:

In the field **IATA Operator Code** type the operator for which you want to create the record and press **<TAB>**. Add the missing information. Validate by clicking

Add

FLIGHT STATUS CODES

Flight status codes used in SAFIR is used to inform about the traffic load status, if it's booked or actual figures, for example. **Flight Status Codes Maintenance** is used to create, amend or delete flight status codes. You can also use **Flight Status Codes Maintenance** to search for information related to a certain code.



Description

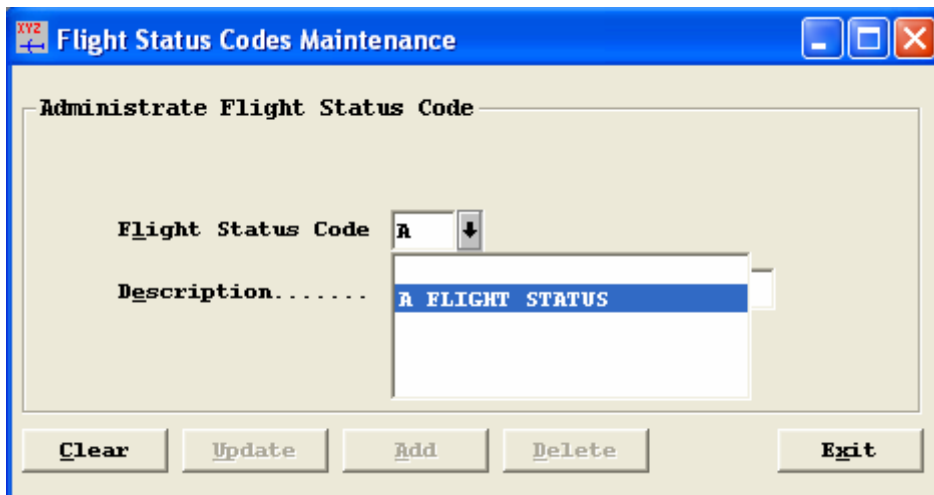
Flight Status Code	- Flight status code
Description	- Status Code Description
Clear	- Clear fields
Update	- Update code
Add	- Add Code
Delete	- Delete code
Exit	- Exit

Search

To search for a certain Flight status code you do as follows:

In the **Flight Status Code** field you enter the code you are looking for.

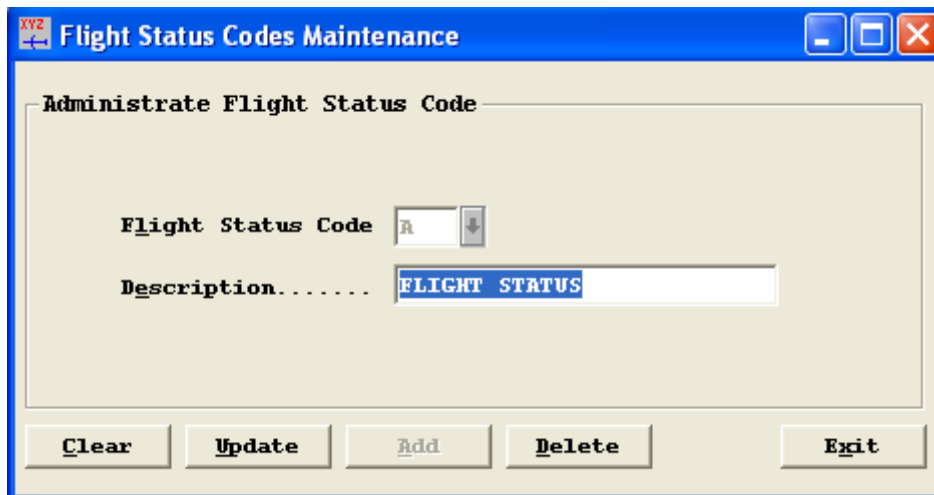
Alternatively, if you lack all information regarding the selection, click the button marked with an arrow next to the field, to highlight a list of selections.



As soon as you start typing an explanatory window is opened, and a list of status codes are displayed. When you have located the correct code, simply mark it and press <Enter> (or double-click on the code).

Update

If you wish to change any data in the fields **Flight Status Code**, make necessary changes and click **Update**.



Create

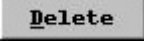
If data for a specific **Flight Status Code** is missing, you can update the fixed files with the new **Flight Status Code**:

In the field **Flight Status Code** type the correct status code and press <TAB>.

Add the missing information. Validate by clicking **Add**.

Delete

To delete a status code, following steps are to be taken:

Find the status code you wish to delete. Mark it in the list and click .

FLIGHT TYPES

To administrate IATA-codes for determining the nature of the flight, the module to use is *Flight Types*.

Flight Types is used to create, update or delete codes describing the nature of the flight. You can also use *Flight Types* to seek information regarding a specific flight type code.

Description

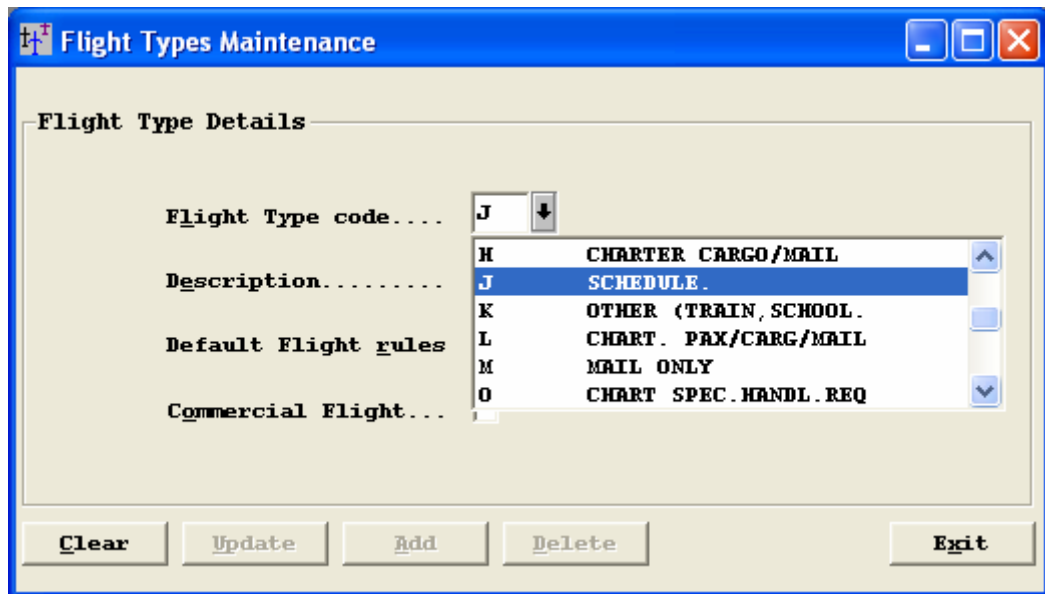
Flight Type Code	- One character code for nature of flight
Description	- Explanatory description in plain text I= Instrument
Default Flight rules	- S= Special Instrument V= Visual
Commercial Flight	- Commercial flight

C lear	- Clear all fields
U ppdate	- Update hardcode files
A dd	- Add flight type code
D el e te	- Delete flight type code
E xit	- Exit module

Search


To find a specific flight type code, follow the instructions below:

In the field for **Flight Type Code** you type the character of the flight type code. Alternatively, if you lack all information regarding the selection, click the button marked with an arrow next to the field, to highlight a list of selections.



As soon as you start typing, an explanatory window is opened. When you have located the delay code of your search, mark it and press <Enter> (or double-click in the list).

Update

If you wish to change any data in the fields for **Flight Types Maintenance** make necessary changes and click .

Flight Types Maintenance

Flight Type Details

Flight Type code.... J

Description..... SCHEDULE.

Default Flight rules

Commercial Flight...

Clear Update Add Delete Exit

Create

If information is missing regarding a specific flight type code, you can update the hardcode files with the missing information:

In the field **Flight Type Code**, type the new flight type code and press <TAB>.

Add the missing data and validate by clicking **Add**

Delete

To delete a flight type code, you simply locate the code you wish to delete, mark it in the list and click **Delete**.

GATE CODES

To administrate gate codes, the module to use is *Gate Codes*. *Gate Codes* is used to create, update or delete gate codes. You can also use *Gate Codes* to seek information regarding a specific gate.

Description

Gate Code	- Gate Code
Pier Code	- Pier Code
Terminal Code	- Terminal Code
Inoperable	- Marked if applicable
Gate Type	Gates per definition
Busgate	- Gate with transfer bus to A/C
Security Gate	- Security checked gate
Security Busgate	- Security checked gate with transfer bus to A/C
None	- None of the above

Nature	Gates per area
International	- International flights
Domestic	- Domestic flights
Schengen	- Schengen treaty flights
European	- European flights
Clear	- Clear all fields
Update	- Update hardcode files
Add	- Add gate code information
Delete	- Delete gate code information
Exit	- Exit module

Search

To find a specific gate, follow the instructions below:

In the field for **Gate Code** you type the first character of the gate code you are searching for. Alternatively, if you lack all information regarding the selection, click the button marked with an arrow next to the field, to highlight a list of selections.

Gate Codes

Administrate Gate Code

Gate Code..... 2 | ↓ Pier Code..... | ↓

Terminal Code... 17 5 B ↑

 18 5 B |

 19 5 B ↓

Gate Type 20 5 B |

 21 5 B |

Busgate..... 22 5 B |

Security Gate... 24 5 B |

 30 4 C ↓

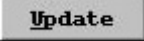
Security Busgate Schengen.....

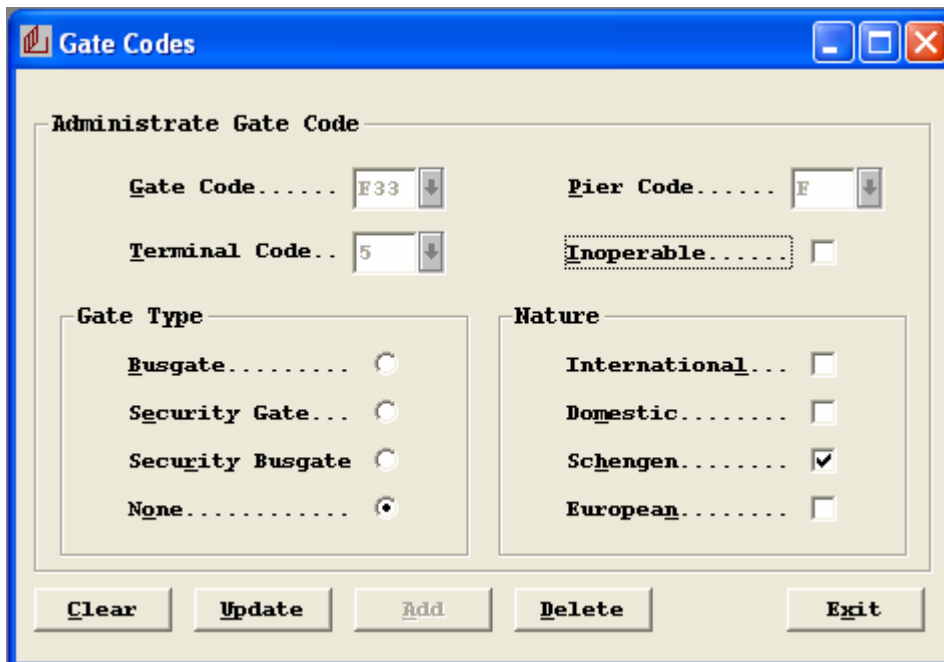
None..... European.....

Clear Update Add Delete Exit

As soon as you start typing, an explanatory window is opened, and simultaneously as you type the second character the list is reduced to match your search. When you have located the gate code of your search, mark it and press <Enter> (or double-click in the list).

Update

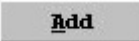
If you wish to change any data in the fields for **Gate Codes** make necessary changes and click .



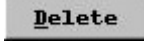
Create

If information is missing regarding a specific gate, you can update the hardcoded files with the missing information:

In the field **Gate Code**, type the correct gate code and press <TAB>.

Add the missing data and validate by clicking .

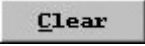

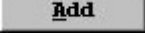
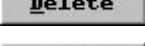
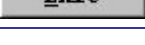
Delete

To delete a gate code, you simply locate the code you wish to delete, mark it in the list and click .

HANDLING AGENT

To administrate names and codes for handling agents, the module to use is *Handling Agent Code*. *Handling Agent Code* is used to create, update or delete information regarding a handling agent.

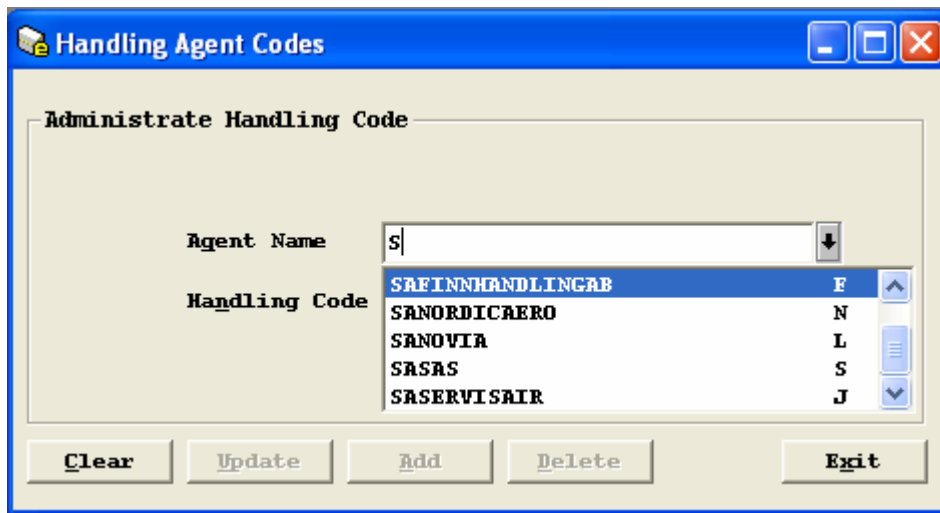
Description

Agent name	- Full name of handling agent
Handling code	- Handling agent code
	- Clear all fields
	- Update information
	- Add information
	- Delete
	- Exit module

Search

In order to find a handling agent, the following options are available:

In the field for **Agent Name** type the name of the handling agent of your search (if you know the name). Optional is to search on a specific handling agent code, where you type the code in the field **Handling Code**. Alternatively, if you lack all information regarding the selection, click the button marked with an arrow next to the field Agent name, to highlight a list of selections.



As soon as you start typing, an explanatory window is opened, and simultaneously as you type the second character the list is reduced to match your search. When you have located the code/name of your search, mark it and press <Enter> (or double-click in the list).

Update

If you wish to change any data in the fields for **Agent name** or **Handling Code** make necessary changes and click **Update**.




Create

If information is missing regarding a specific handling agent, you can update the hardcoded files with the missing information:

In the fields **Agent name**, type the correct information and press <TAB>.

Add the missing data and validate by clicking **Add**.

Delete

To delete a handling agent code or name, you simply locate the code or name you wish to delete, mark it in the list and click .

HANDLING TRANSACTION CODES

Handling Transaction Codes Maintenance is used to find, update, create and delete names and codes for transactions. You can also use *Handling Transaction Codes Maintenance* to seek information regarding a specific transaction code format.

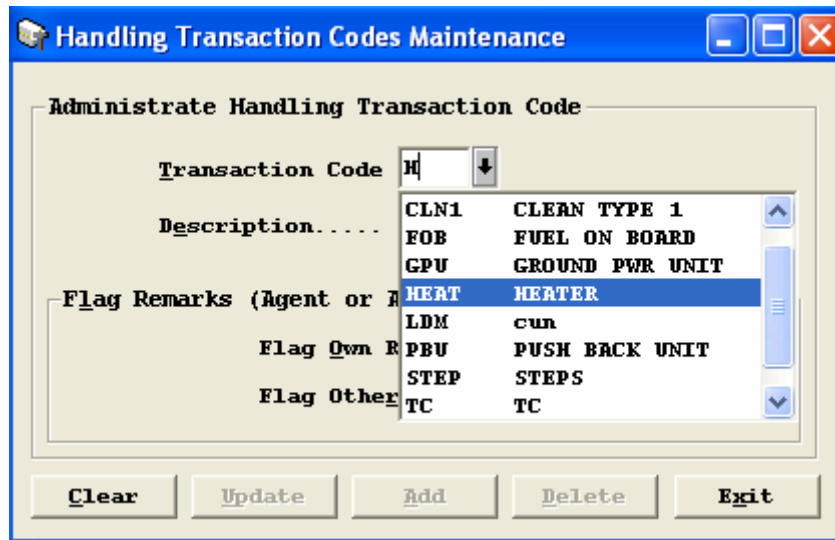
Description

Transaction Code	- Transaction code
Description	- Explanatory information in plain text
FLAG REMARKS (AGENT OR APRON)	-
Flag Own Remarks	- Flag own Remarks (Agent)
Flag Other Remarks	- Flag other remark (Apron)
Clear	- Clear all fields
Update	- Update hardcore files
Add	- Add transaction codes
Delete	- Delete transaction codes
Exit	- Exit module

Search

To find a specific transaction code, follow the instructions below:

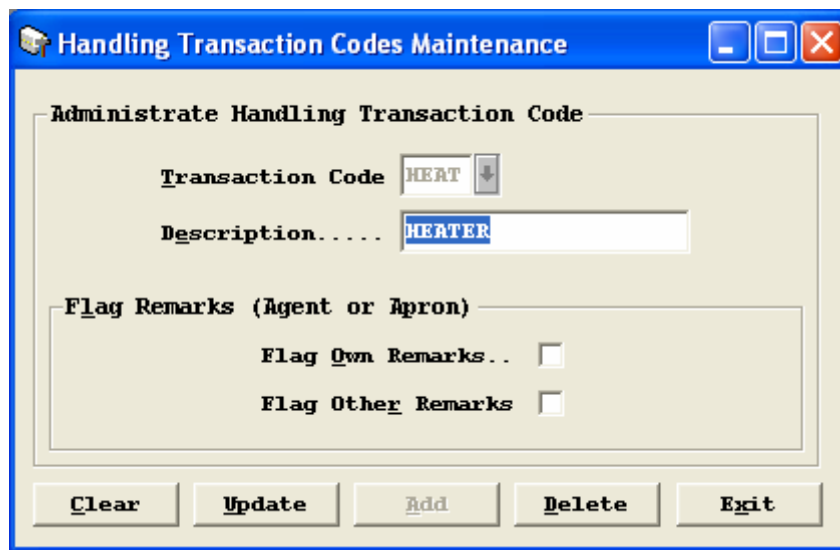
In the field for **Transaction Code** you type the first character of the transaction code you are searching for. Alternatively, if you lack all information regarding the selection, click the button marked with an arrow next to the field, to highlight a list of selections.



As soon as you start typing, an explanatory window is opened, and simultaneously as you type the second character the list is reduced to match your search. When you have located the transaction code of your search, mark it and press **<Enter>** (or double-click in the list).

Update

If you wish to change any data in the fields for **Handling Transaction Codes Maintenance** make necessary changes and click **Update**.



Create

If information is missing regarding a specific transaction code, you can update the hardcoded files with the missing information:

In the field **Transaction Code**, type the correct code and press <**TAB**>.

Add the missing data and validate by clicking **Add**.

Delete

To delete a transaction code, you simply locate the code you wish to delete, mark it in the list and click **Delete**.

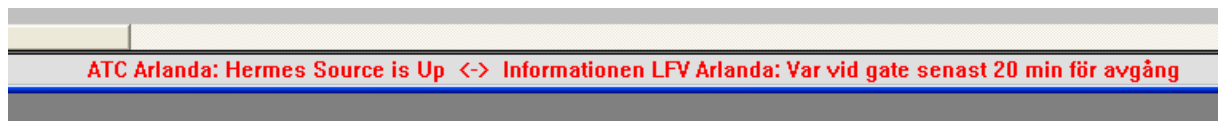
IMPORTANT INFORMATION

Important Information module can be used to display, enter or change important information to/from users such as the ramp tower or handlers. The system administrator controls the module so that only authorized users have access to enter and change important information. The access is controlled by the users login account in SAFIR.

The Status bar at the bottom of the **Viewmaster** form in the SAFIR client is used to present important information for different objects when the **Viewmaster** module is in focus. Examples of information available at the status bar could be changed landing rates, gates closed for works or other special information from e.g. tower, handlers, airlines or ramp tower. How the information is presented is configurable by the user. All the available information can for example be scrolled in the status bar. Or the status bar can inform the user that new information is available and the user can then take action to read the information, in another form, by right click the status bar. The detail form for important information can be reached.

The source for the important information is either the CIES system or manual input from the **Important Information module** form in the SAFIR client. The form is distributed via the SAFIR menu to the users who shall update this type of information.

When new important information is entered in the SAFIR client it will also be sent to the NDS system for further distribution to relevant users via NDS pages.



*This is an example of how the important information is presented in the SAFIR client **Viewmaster** status bar.*

When the **Important Information module** is launched an overview of the current important information is displayed.




Owner	Message to display	Valid from (LOC)	Valid to (LOC)	Status	Display Time NDS Broadcast	Status NDS Broadcast	NDS Broadcast
AIR TRAFFIC CONTROL		2006-03-21 09:39	2006-03-21 09:47	Expired		Disabled	Disabled
Analytiker & statistiker		2006-03-22 10:58	2006-03-22 11:06	Expired		Disabled	Disabled
Assistansservice		2006-03-23 08:50	2006-03-23 08:58	Expired		Disabled	Disabled
ATC Arlanda	Hermes Source is Up	2006-03-31 09:17	2006-03-31 13:17	Valid	240	Valid	Internal
ATS		2006-03-22 10:57	2006-03-22 11:05	Expired		Disabled	Disabled
Bussarna LFV Arlanda		2006-03-23 08:49	2006-03-23 08:57	Expired		Disabled	Disabled
Finn Handling AB		2006-03-22 10:57	2006-03-22 11:05	Expired		Disabled	Disabled
Gate Gourmet Arlanda		2006-03-21 09:05	2006-03-21 09:13	Expired		Disabled	Disabled
GENERAL OFFICE		2006-03-21 09:09	2006-03-21 09:17	Expired		Disabled	Disabled
Incheckningsplaneringen		2006-03-23 08:49	2006-03-23 08:57	Expired		Disabled	Disabled
Informationen LFV Arlanda	Var vid gate senast 20 min för avgång	2006-03-31 06:45	2006-03-31 20:45	Valid	840	Valid	Public
NOVIA NYA	Avisning behövs idag Observera deicing tider	2006-03-23 06:19	2006-03-28 22:19	Expired	999	Expired	Internal
RAMPTORNET NYA		2006-03-22 10:56	2006-03-22 11:04	Expired		Disabled	Disabled
SAAD SU		2006-03-21 13:33	2006-03-21 13:41	Expired		Disabled	Disabled
SAS NYA		2006-03-23 08:49	2006-03-23 08:57	Expired		Disabled	Disabled
SLOT		2006-03-22 10:57	2006-03-22 11:05	Expired		Disabled	Disabled
European Executive Handling							

Settings: Enable Auto Refresh 1 Refresh Rate (min) Last Refresh Time (LOC) fredag 2006-03-31 09:23


This is an example of how the important information is presented as overview in the Important Information module.

Description

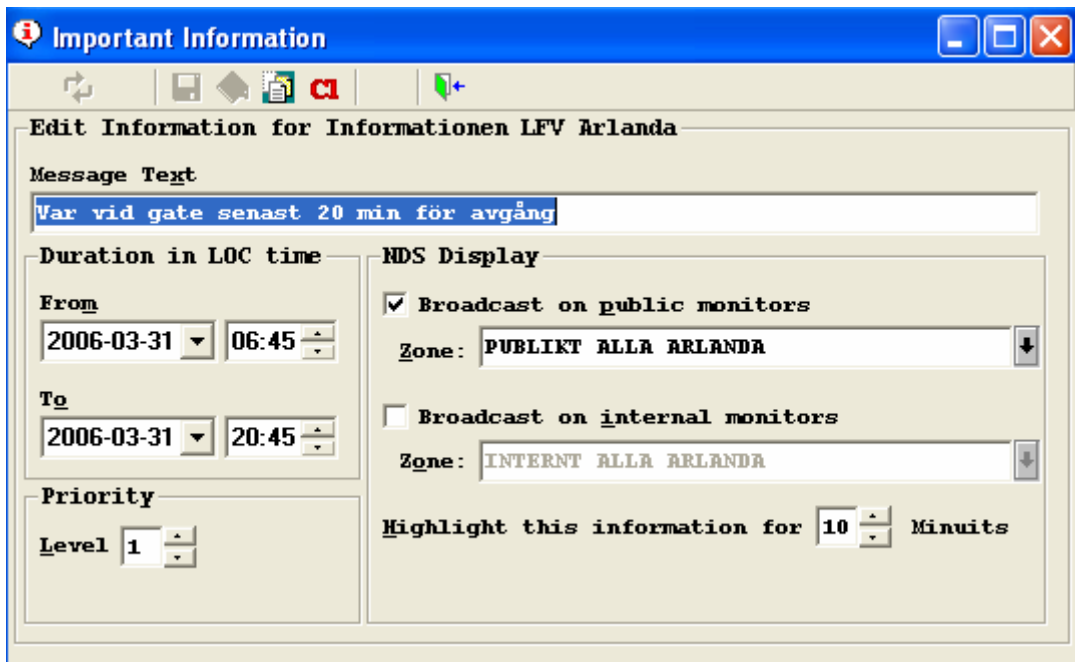
Owner	- Department who owns the information
Message to display	- Message to display to users
Valid from	- Message is valid from this date/time in SAFIR and NDS
Valid to	- Message is valid to this date/time in SAFIR
Display Time NDS	- Message is displayed in NDS for this number of minutes starting at the Valid from date/time
Status NDS Broadcast	- Indicates the status of the message at the NDS broadcast banner. Disabled – Not published to NDS Valid – Published and displayed as NDS broadcast Expired – Published but not displayed as NDS broadcast.
NDS Broadcast	- Indicates if message is broadcasted Internally or Public in NDS.
Settings	

Enable Auto refresh	- Enable automatically refresh of the view
Refresh Rate	- Time between automatically refreshes
	- Refresh the view
	- Add, Update or delete information and publishing details
	- Exit module

Update

If you wish to change any data in the fields for **Important Information module** select the information you want to update by clicking on it and the press the  button and a details view will show up.

Note! If you don't have access to edit the selected information the detail area will show up but all text will be greyed out.








The screenshot shows a window titled "Important Information" with a toolbar containing icons for refresh, save, edit, print, and exit. The main content area is titled "Edit Information for Informationen LFV Arlanda" and contains the following fields:

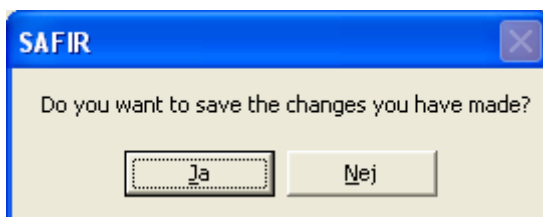
- Message Text:** A text box containing "Var vid gate senast 20 min för avgång".
- Duration in LOC time:** A section with "From" (2006-03-31 06:45) and "To" (2006-03-31 20:45) fields.
- Priority:** A section with "Level" set to 1.
- NDS Display:** A section with two checkboxes:
 - Broadcast on public monitors. Zone: PUBLIKT ALLA ARLANDA
 - Broadcast on internal monitors. Zone: INTERNT ALLA ARLANDA
- Highlight this information for:** 10 Minuits

*This is an example of how the important information is presented as a details view in the **Important Information module**.*

Description


Message text	- Message to display
Duration in LOC time	
From	- Start Date time of message validity in SAFIR and NDS
To	- End Date time of message validity in SAFIR
Priority	
Level	- Display order priority in SAFIR.
NDS Display	
Broadcast on public monitors	- Indicates if message should be displayed on a public NDS zone.
Zone	- Public zone to use
Broadcast on Internal monitors	- Indicates if message should be displayed on an internal NDS zone.
Zone	- Internal zone to use
Highlight this information for XX minuits	- Number of minuits to highlight this information in NDS
	- Go back to overview display
	- Clear information (Use this button in combination with the  button to delete information)
	- Save changes
	- Exit module

Make the necessary changes and press the  button. In some situation you will be asked to confirm your changes.

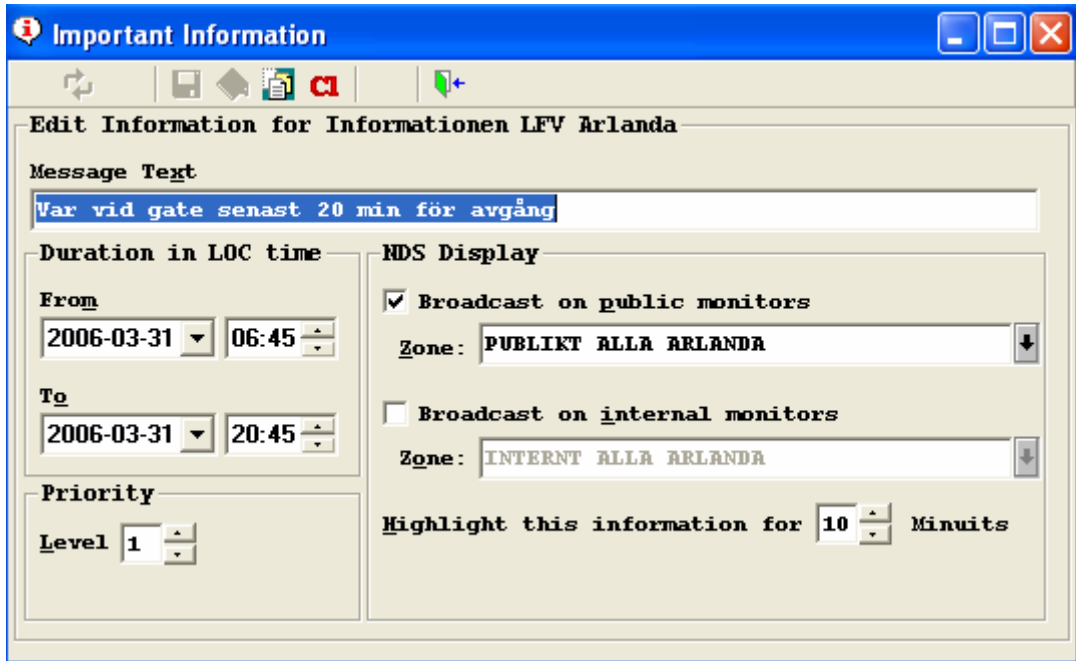


Press Yes to save the changes or press No to ignore the changes you just made.

Delete



If you wish to delete any data in the fields for **Important Information module** select the information you want to delete by clicking on it and then press the  button and a details view will show up.

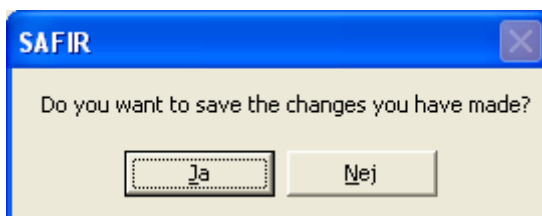
Note! If you don't have access to edit the selected information the detail area will show up but all text will be greyed out.



The screenshot shows a window titled "Important Information" with a toolbar containing icons for refresh, save, delete, print, and a red 'X' button. The main content area is titled "Edit Information for Informationen LFV Arlanda" and contains several fields:

- Message Text:** A text box containing "Var vid gate senast 20 min för avgång".
- Duration in LOC time:** A section with "From" and "To" fields, each containing a date (2006-03-31) and a time (06:45 and 20:45 respectively).
- Priority:** A field labeled "Level" with the value "1".
- NDS Display:** A section with two checkboxes: "Broadcast on public monitors" (checked) and "Broadcast on internal monitors" (unchecked). Below each checkbox is a "Zone" dropdown menu. The public zone is "PUBLIKT ALLA ARLANDA" and the internal zone is "INTERNT ALLA ARLANDA".
- Highlight this information for:** A field with the value "10" and the unit "Minuits".

Press the  button and then press the  button and the information will be deleted. In some situations you will be asked to confirm your changes.




The screenshot shows a dialog box titled "SAFIR" with a close button in the top right corner. The text inside the dialog box reads: "Do you want to save the changes you have made?". At the bottom of the dialog box, there are two buttons: "Ja" (Yes) and "Nej" (No).

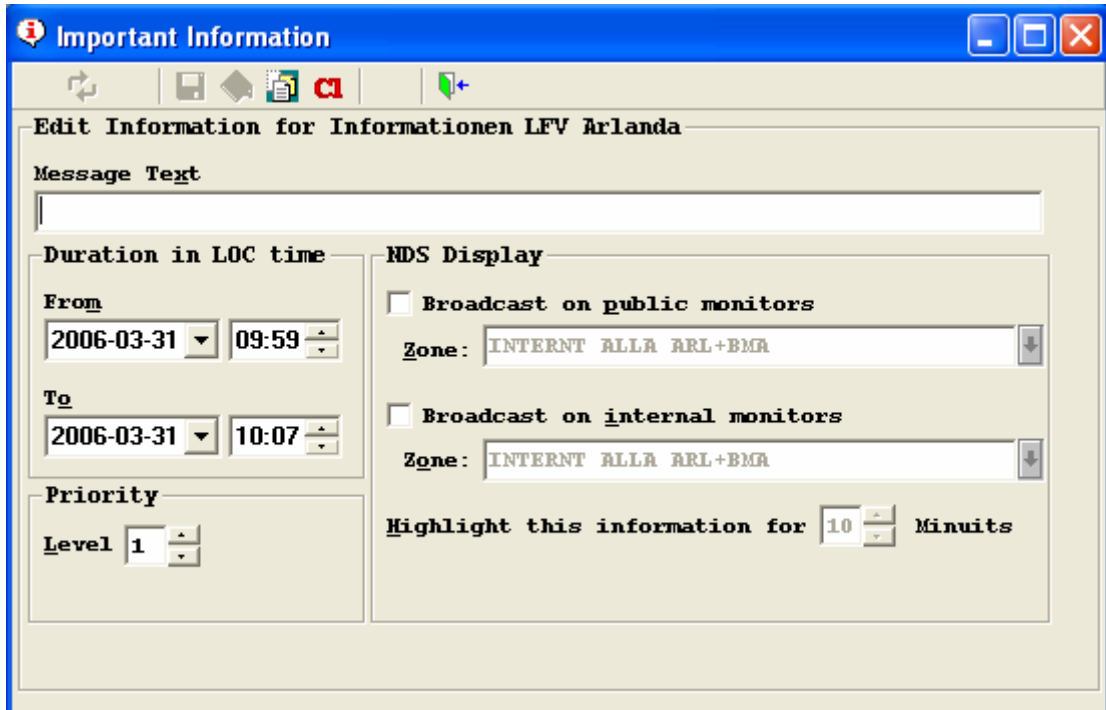
Press Yes to save the delete or press No to ignore the delete you just made.

*Note! The information remains in the **Viewmster** status bar until next refresh time.*

Add

If you wish to Add data in the fields for **Important Information module** select the information you want to add by clicking on it and then press the  button and a details view will show up.

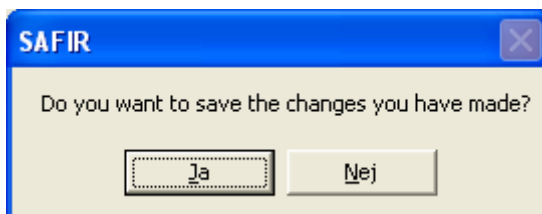
Note! If you don't have access to edit the selected information the detail area will show up but all text will be greyed out.



The screenshot shows a window titled "Important Information" with a standard Windows-style title bar. Below the title bar is a toolbar with icons for refresh, save, delete, print, and a red 'X' button. The main content area is titled "Edit Information for Informationen LFV Arlanda". It contains several sections: "Message Text" with a large empty text box; "Duration in LOC time" with "From" and "To" fields, each containing a date and time dropdown; "Priority" with a "Level" dropdown set to "1"; "NDS Display" with two checkboxes for "Broadcast on public monitors" and "Broadcast on internal monitors", each followed by a "Zone" dropdown menu; and "Highlight this information for" with a numeric spinner set to "10" and the unit "Minuits".

*This is an example of how the important information is presented as a details view in the **Important Information module**.*

Add the new message and press the  button. In some situations you will be asked to confirm your changes.



The screenshot shows a dialog box titled "SAFIR" with a close button in the top right corner. The text inside the dialog asks, "Do you want to save the changes you have made?". At the bottom, there are two buttons: "Ja" (Yes) and "Nej" (No).

Press Yes to save the changes or press No to ignore the changes you just made.

*Note! The information appears in the **Viewmster** status bar after next refresh time.*

LONG TERM CODE SHARE

To administrate code share flights, the module to use is *Long Term Code Share*. *Long Term Code Share* is used to create or delete code share records. You can also use *Long Term Code Share* to seek information regarding a specific code share.

The screenshot shows a software window titled "Long Term Code Share". The window contains the following elements:

- Parent Flight Details:** A section with three input fields: "Operator" (with a dropdown arrow), "Flight No" (with a dropdown arrow), and "Arr/Dep".
- Existing Shared Flights:** A large empty rectangular box.
- Shared Flight Details:** A section with several input fields:
 - "From Date" and "To Date": Both set to "2006-03-22" with dropdown arrows.
 - "Operator": A text field followed by a dropdown arrow.
 - "Flight No": A text field.
 - "Days of Operation": A row of seven checkboxes followed by a "Daily" button.
- Buttons:** A row of five buttons at the bottom: "Clear", "Update", "Add", "Delete", and "Exit".

Description

Parent Flight Details	- Details of main flight
Operator	- Airline operating main flight
Flight No	- Flight number
Arr/Dep	- A Arrival - D Departure
Existing Shared Flights	- Existing code share on main flight
Shared Flight Details	- Details of shared flight
From Date	- Starting date
To Date	- Expire date
Operator	- Airline
Flight No	- Flight number
Days of Operation	- Weekly days of operation
Clear	- Clear all fields
Update	- Update hardcode files
Add	- Add new information
Delete	- Delete information
Exit	- Exit module

Search

To find a specific code share, follow the instructions below:

In the field for **Operator** you type the first character of the operator you are searching for. Alternatively, if you lack all information regarding the selection, click the button marked with an arrow next to the field, to highlight a list of selections. In the field for **Flight No** you then type the first character of the flight number you are searching for. Alternatively, if you lack all information regarding the selection, click the button marked with an arrow next to the field, to highlight a list of selections.

As soon as you start typing, an explanatory window is opened, and simultaneously as you type the second character the list is reduced to match your search. When you have located the code share of your search, mark it and press **<Enter>** (or double-click in the list).

OPERATOR CODE

To administrate IATA and/or ICAO operator (e.g. airlines, handling agents etc.) codes, the module to use is **Operators Code Maintenance**. **Operators Code Maintenance** is used to create, update or delete IATA and/or ICAO operator codes. You can also use **Operators Code Maintenance** to seek information regarding a specific IATA or ICAO operator code.

Description

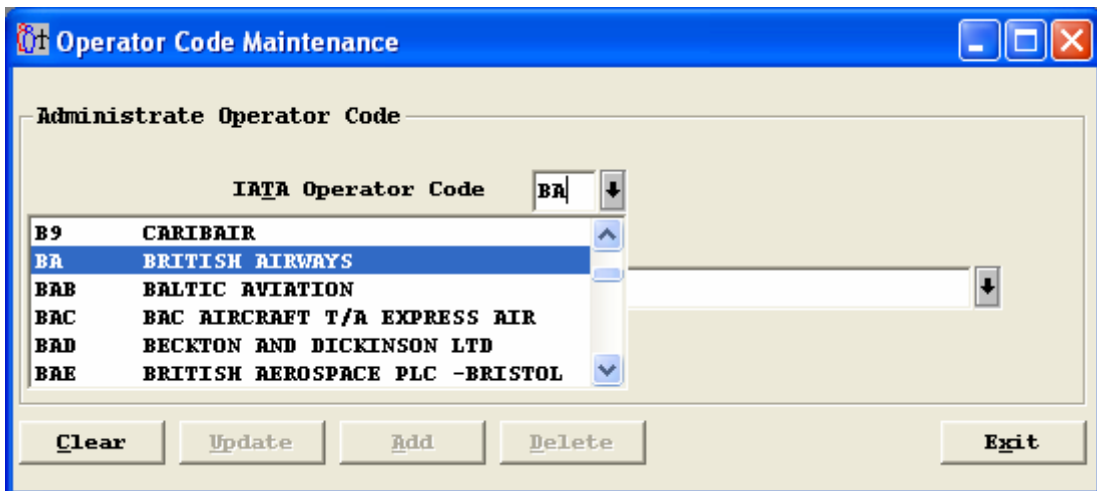
IATA Operator Code	- IATA - code of operator
ICAO Operator Code	- ICAO - code of operator
Operator Name	- Explanatory text of operator

C lear	- Clear all fields
U ppdate	- Update hardcode files
A dd	- Add information
D elate	- Delete information
E xit	- Exit module

Search

To find a specific operator, follow the instructions below:

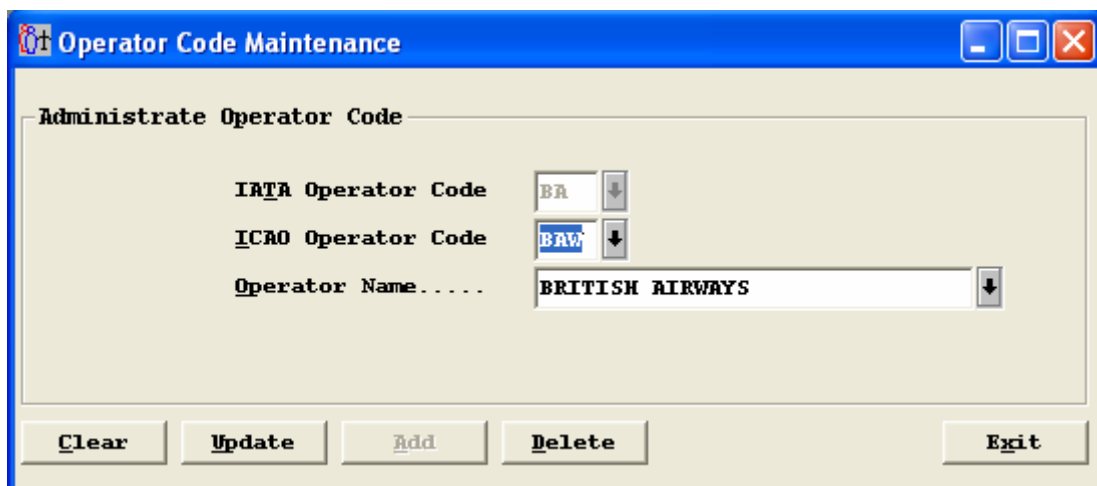
In the field for **IATA Operator CODE**, or alternatively, **ICAO Operator Code**, you type the first character of the code you are searching for. If you don't know either the IATA or the ICAO code, you can also search on the name in plain text in the field **Operator Name**. Alternatively, if you lack all information regarding the selection, click the button marked with an arrow next to the field, to highlight a list of selections.



As soon as you start typing, an explanatory window is opened, and simultaneously as you type the second character the list is reduced to match your search. When you have located the code or name of your search, mark it and press <Enter> (or double-click in the list).

Update

If you wish to change any data in the fields for **Operator Code** make necessary changes and click **Update**.



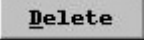
Create

If information is missing regarding an operator, you can update the files with the missing information:

In the field **IATA Operator Code** or **ICAO Operator Code**, type the correct code and press <TAB>.

Add the missing data and validate by clicking **Add**

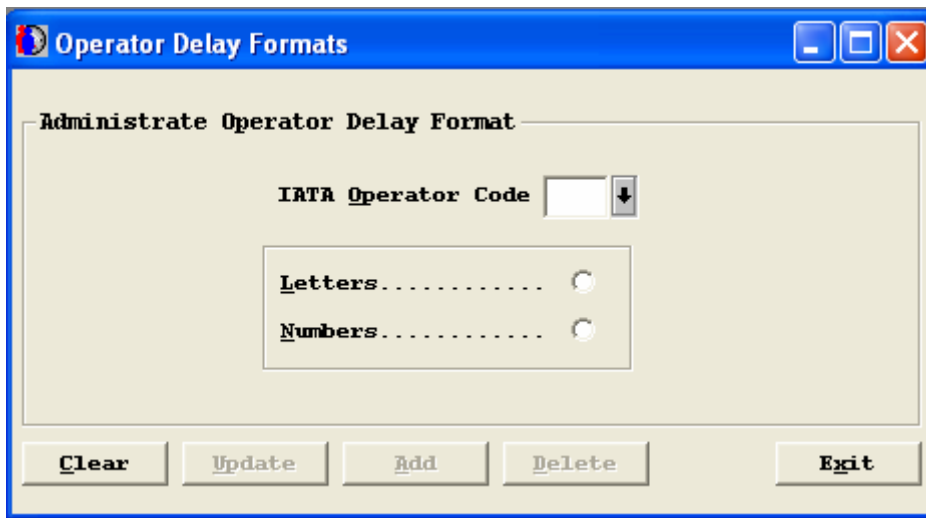
Delete

To delete an operator code, you simply locate the code you wish to delete, mark it in the list and click .

OPERATOR DELAY FORMATS

The airlines define their delay codes with either numeric or alpha characters. In order to determine whether an airline use numeric or alpha characters, this must be defined in the module called *Operator Delay Format*.

Operator Delay Format is used to create, update or delete formats for delays codes. You can also use *Operator Delay Format* to seek information regarding a specific delay code format.



Description

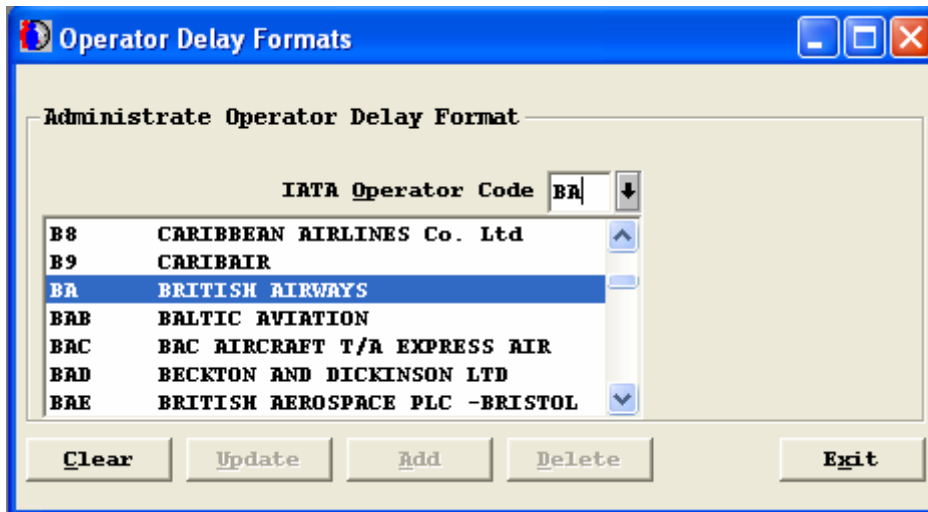
IATA Operator Code	- IATA operator code of airline/operator
Letters	- Marked if applicable
Numbers	- Marked if applicable
Clear	- Clear all fields
Update	- Update hardcode files
Add	- Add information
Delete	- Delete information
Exit	- Exit module

Search

To find a specific delay format that an operator uses, follow the instructions below:

In the field for **IATA Operator Code** you type the first character of the airline/operator prefix you are searching for. Alternatively, if you lack all information

regarding the selection, click the button marked with an arrow next to the field, to highlight a list of selections.



As soon as you start typing, an explanatory window is opened, and simultaneously as you type the second character the list is reduced to match your search. When you have located the airline/operator of your search, mark it and press **<Enter>** (or double-click in the list).

Update

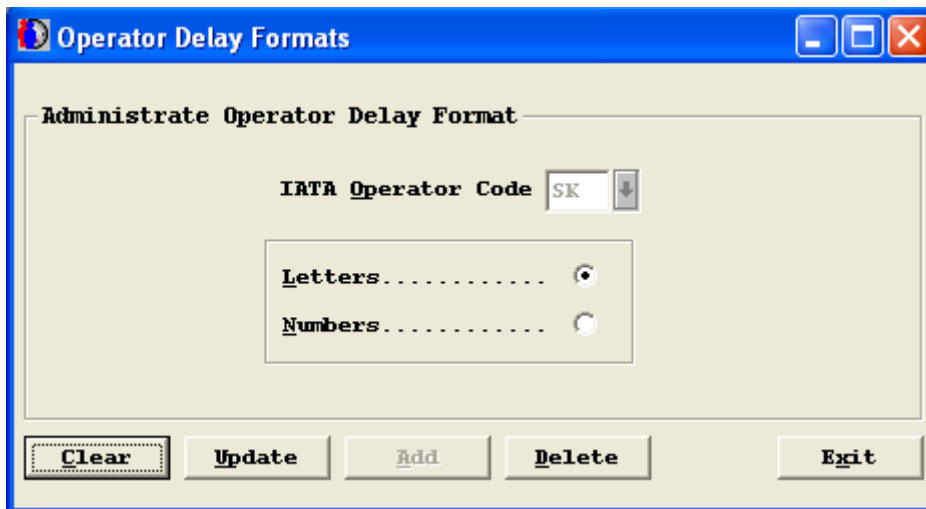
If you wish to change any data in the fields for **Operator Delay Formats** make necessary changes and click **Update**.

Create

If information is missing regarding a specific airline/operator, you can update the hardcoded files with the missing information:

In the field **IATA Operator Code**, type the airline/operator prefix and press **<TAB>**.

Add the missing data and validate by clicking **Add**.



Delete

To delete an operator from delay format, you simply locate the airline/operator you wish to delete, mark it in the list and click **Delete**.


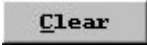
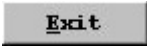
PASSWORD MAINTENANCE

Your password used in SAFIR is administrated in the module called *Password Maintenance*.

You can only use *Password Maintenance* to change your password, and are not allowed to delete and/or create a new password in SAFIR.

The password is case sensitive and has to be of a minimum of six characters. You are free to use either alpha or numeric characters.

Description

Old Password	- The old password you want to change
New Password	- New password
Confirm Password	- Confirmation of new password
	- Update new password
	- Clear all fields
	- Exit module

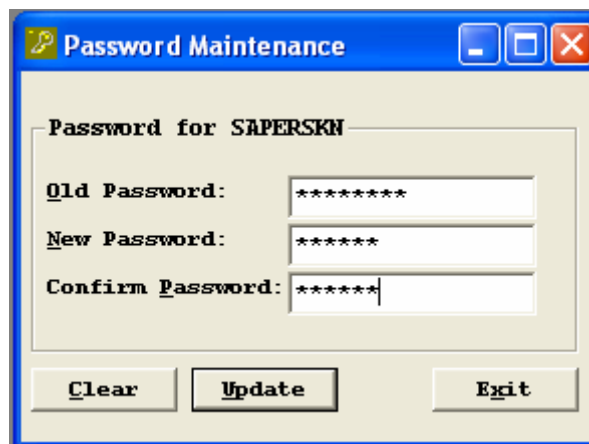
Update

In order to update your password, please follow instructions below:

In the field **Old Password** you type the current password.

In the field **New Password** you type the new password (minimum six characters).

In the field **Confirm Password** you verify your new password by retyping it.



Validate operation by clicking **Update**.

If you need to start all over again due to mistyping, click **Clear** and all fields are erased.

PIER CODES

The codes to define piers in SAFIR are administrated in the module called *Pier Codes*. *Pier Codes* is used to create, update or delete information regarding a specific pier. You can also use *Pier Codes* to seek information regarding a pier.

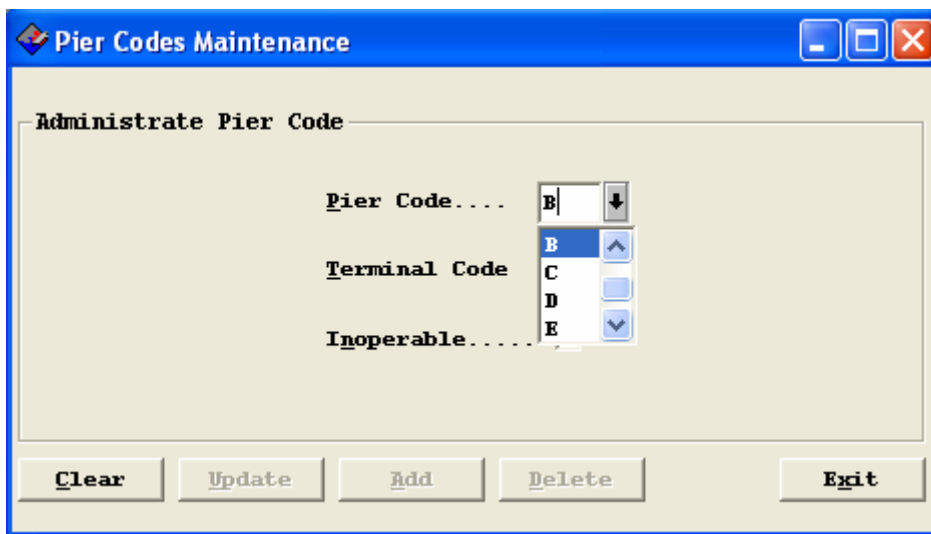
Description

Pier Code	- SAFIR name of the pier
Terminal Code	- Name of the terminal where pier is located
Inoperable	- Marked if pier is inoperable
Clear	- Clear all fields
Update	- Update hardcode files
Add	- Add information regarding piers
Delete	- Delete information
Exit	- Exit module

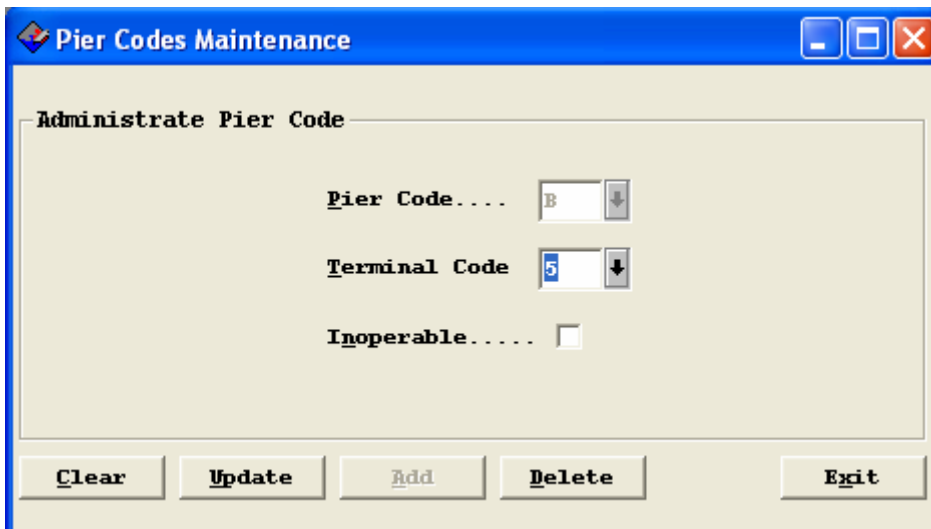
Search

To find a specific pier code, follow the instructions below:

In the field for **Pier code** you type the first character of the pier code you are searching for. Alternatively, if you lack all information regarding the selection, click the button marked with an arrow next to the field, to highlight a list of selections.



As soon as you start typing, an explanatory window is opened, and simultaneously as you type the second character the list is reduced to match your search. When you have located the pier code of your search, mark it and press <Enter> (or double-click in the list).



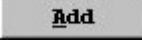
Update

If you wish to change any data in the fields for **Pier Code** make necessary changes and click **Update**.

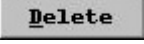
Create

If information is missing regarding a specific pier, you can update the files with the missing information:

In the field **Pier Code**, type the correct pier code and press <TAB>.

Add the missing data and validate by clicking 

Delete

To delete a pier code, you simply locate the pier code you wish to delete, mark it in the list and click .

RAMP AREA

To administrate ramp areas codes, the module to use is *Ramp Area Maintenance*. *Ramp Area Maintenance* is used to create, update or delete ramp areas. You can also use *Ramp Area Maintenance* to seek information regarding a specific ramp.

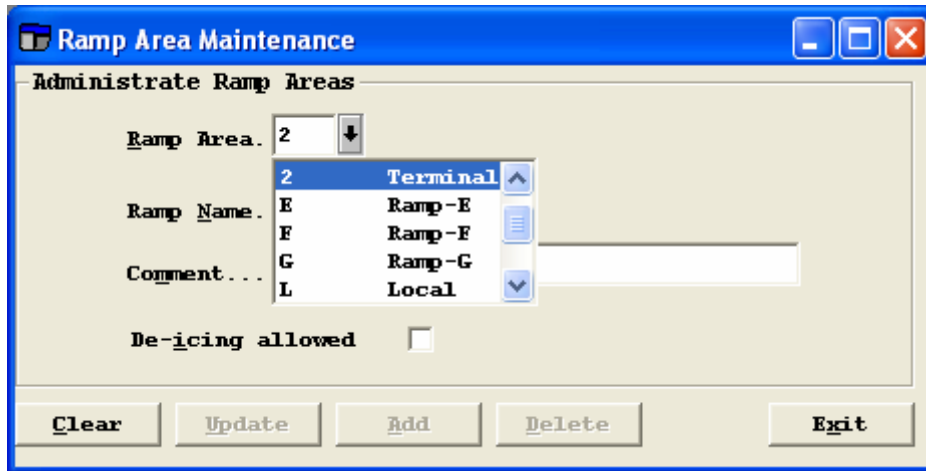
Description

Ramp Area	-	Ramp area code
Ramp Name	-	Name of the ramp area
Comment	-	Free text comment about the ramp area
De-icing allowed	-	Marked if De-icing is allowed at selected ramp area.
Clear	-	Clear all fields
Update	-	Update hardcode files
Add	-	Add information regarding runways
Delete	-	Delete information
Exit	-	Exit module

Search

To find a specific ramp area, follow the instructions below:

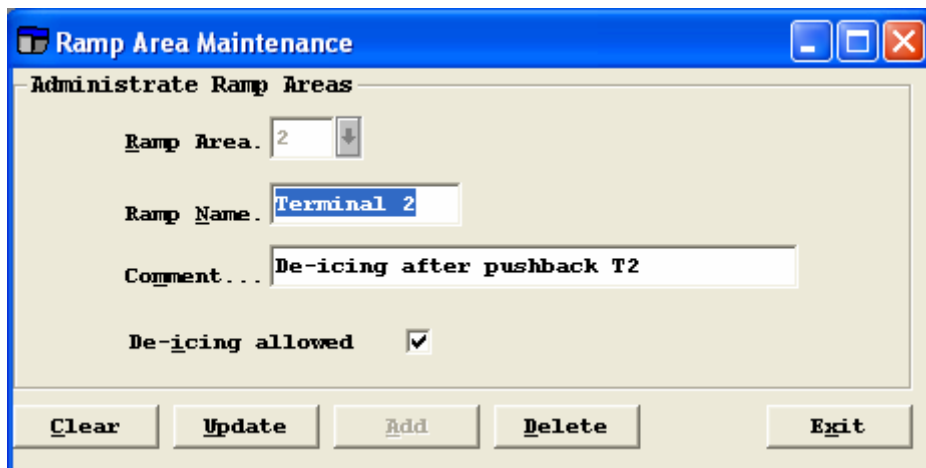
In the field for **Ramp Area** you type the first character of the ramp area you are searching for. Alternatively, if you lack all information regarding the selection, click the button marked with an arrow next to the field, to highlight a list of selections.



The screenshot shows the 'Ramp Area Maintenance' window with the 'Administrate Ramp Areas' section. The 'Ramp Area' field contains the number '2' and a dropdown arrow. A list is displayed below the field, showing '2 Terminal', 'E Ramp-E', 'F Ramp-F', 'G Ramp-G', and 'L Local'. The 'Ramp Name' field is empty, 'Comment...' is empty, and 'De-icing allowed' is unchecked. At the bottom are buttons for 'Clear', 'Update', 'Add', 'Delete', and 'Exit'.

As soon as you start typing, an explanatory window is opened, and simultaneously as you type the second character the list is reduced to match your search. When you have located the ramp area of your search, mark it and press <Enter> (or double-click in the list).

Update




The screenshot shows the 'Ramp Area Maintenance' window with the 'Administrate Ramp Areas' section. The 'Ramp Area' field contains '2'. The 'Ramp Name' field contains 'Terminal 2'. The 'Comment...' field contains 'De-icing after pushback T2'. The 'De-icing allowed' checkbox is checked. At the bottom are buttons for 'Clear', 'Update', 'Add', 'Delete', and 'Exit'.

If you wish to change any data in the fields *Ramp Area Maintenance* make necessary changes and click **Update**.

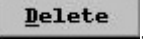
Create

If information is missing regarding a ramp area, you can update the hardcode files with the missing information:

In the field **Ramp Area**, type the correct ramp area code number and press <TAB>.

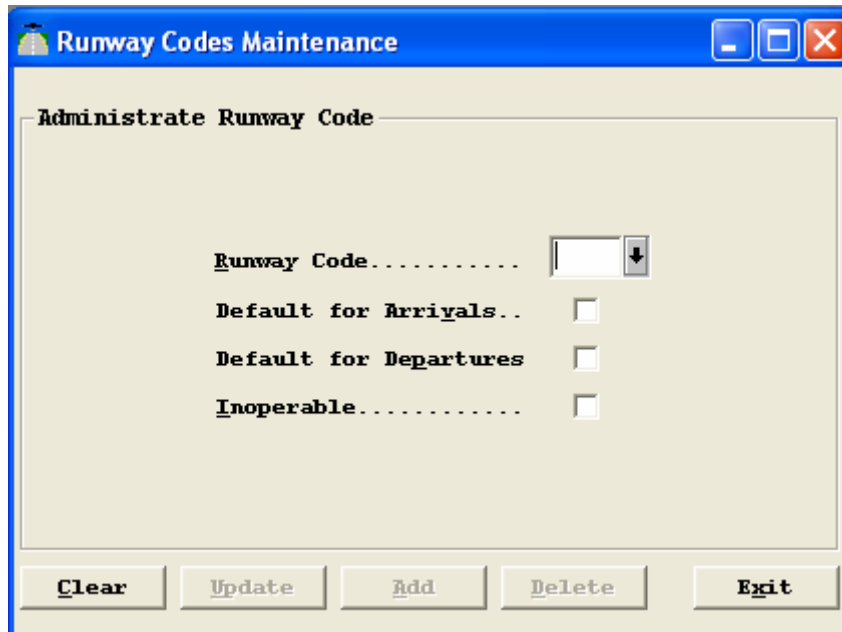
Add the missing data and validate by clicking 

Delete

To delete a definition of a ramp area, you simply locate the code you wish to delete, mark it in the list and click .

RUNWAY CODES

To administrate runway codes, the module to use is *Runway Codes Maintenance*. *Runway Codes Maintenance* is used to create, update or delete runway codes. You can also use *Runway Codes Maintenance* to seek information regarding a specific runway.



Description

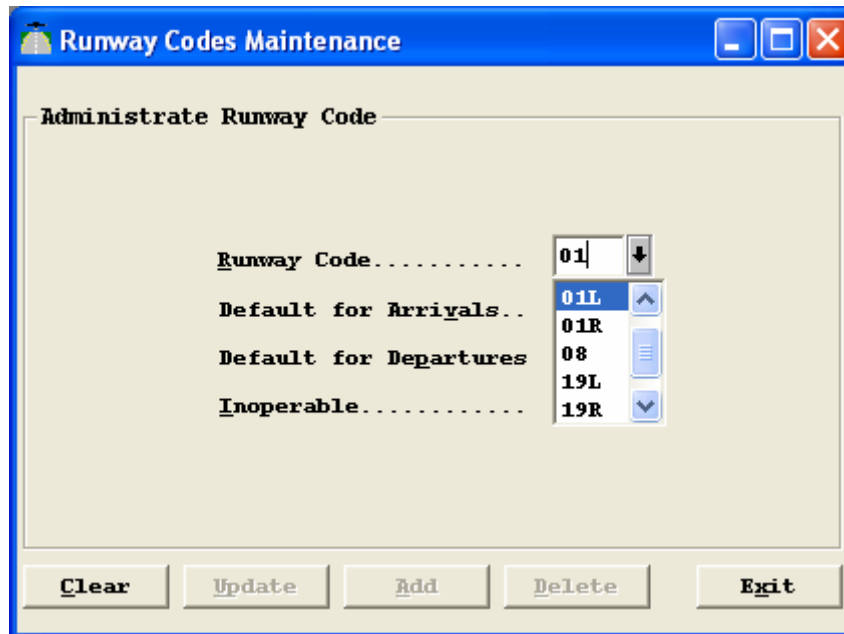
Runway Code	-	SAFIR runway code
Default for Arrivals	-	Marked if runways is used primarily for arrivals
Default for Departures	-	Marked if runways is used primarily for departures
Inoperable	-	Marked if runway is not in use

C lear	-	Clear all fields
U ppdate	-	Update hardcode files
A dd	-	Add information regarding runways
D elate	-	Delete information
E xit	-	Exit module

Search

To find a specific runway code, follow the instructions below:

In the field for **Runway Code** you type the first character of the runway code you are searching for. Alternatively, if you lack all information regarding the selection, click the button marked with an arrow next to the field, to highlight a list of selections.



As soon as you start typing, an explanatory window is opened, and simultaneously as you type the second character the list is reduced to match your search. When you have located the runway code of your search, mark it and press **<Enter>** (or double-click in the list).

Update

Runway Codes Maintenance

Administrate Runway Code

Runway Code..... 01R ↓

Default for Arrivals..

Default for Departures

Inoperable.....

Clear Update Add Delete Exit

If you wish to change any data in the fields for **Runway Codes Maintenance** make necessary changes and click **Update**.

Create

If information is missing regarding a runway code, you can update the hardcoded files with the missing information:

In the field **Runway Code**, type the correct runways code number and press <**TAB**>.

Add the missing data and validate by clicking **Add**.

Delete

To delete a definition of a runway code, you simply locate the code you wish to delete, mark it in the list and click **Delete**.

RUNWAY CONFIGURATION

To view current runway configurations, the module to use is *Runway Configuration*.

The source for the Runway Configuration is the CIES system. The form is distributed via the SAFIR menu to the users who is interested in viewing this type of information.

When the *Runway Configuration module* is launched an overview of the current Runway Configuration is displayed. The module could be launched either from the SAFIR administration menu or from *Viewmaster* module Toolbar.

The screenshot shows the 'Runway Configuration' window. It contains two main tables and a settings section.

Runway Configuration Table:

From	To	Landing RWY	Rate	Landing RWY	Rate	Take Off RWY	Rate	Take Off RWY	Rate
14:00	14:30	08	16	19R	10	08	11		
14:30	14:45	26	16	19R	10	19L	11		
14:45	15:00	15/33	11	22R	10				

Next Runway Closures Table:

From	To	Landing RWY	Take Off RWY
16:00	16:08	19L	
16:30	16:38	22R	
16:30	14:36	22L	

Settings: Enable Auto Refresh | 5 Refresh Rate (min) | Last Refresh Time (LOC): fredag 2006-03-31 12:12

This is an example of how the Runway Configuration information is presented as overview in the *Runway Configuration module*.

Description

From	-	Configuration valid from
To	-	Configuration valid to
Landing RWY	-	Landing runway
Take Off RWY	-	Take off runway
Rate	-	Rate at current runway

Settings

Enable Auto refresh

-

Enable automatically refresh of the view

Refresh Rate

-

Time between automatically refreshes



-

Refresh the view



-

Exit module

SEASON CODES

To administrate seasonal codes in SAFIR, the module to use is **Season Codes Maintenance**. **Season Codes Maintenance** is used to create, update or delete season codes. You can also use **Season Codes Maintenance** to seek information regarding a specific season code.

This module is also used for creating new SCORE calendar records. This option is only available if access is set up for the logged on user.

Description

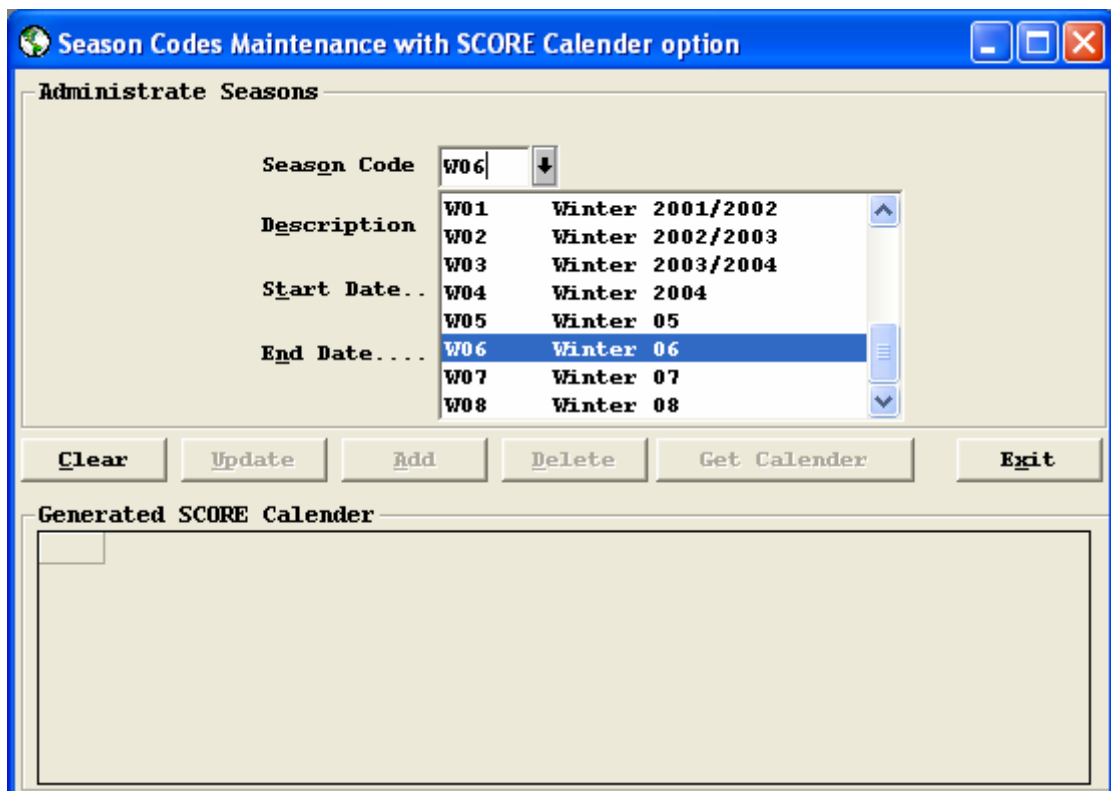
Season Code	- Season code
Description	- Plain text description
Start Date	- Starting date
End Date	- Terminating date

C lear	- Clear all fields
U ppdate	- Update hardcode files
A dd	- Add information
D elete	- Delete information
E xit	- Exit module
G et Calender	- Get Calender data for SCORE
G enerate Calender	- Generate Calender data for SCORE

Search

To find a specific seasonal code, follow the instructions below:

In the field for **Season Code** you type the first character of the season code you are searching for. Alternatively, if you lack all information regarding the selection, click the button marked with an arrow next to the field, to highlight a list of selections.



As soon as you start typing, an explanatory window is opened, and simultaneously as you type the second character the list is reduced to match your search. When you have located the seasonal code of your search, mark it and press <Enter> (or double-click in the list).

Update

Season Codes Maintenance with SCORE Calendar option

Administrate Seasons

Season Code W06

Description Winter 06

Start Date.. 2006-10-31

End Date.... 2007-03-26

Clear Update Add Delete Get Calender Exit

Generated SCORE Calendar

If you wish to change any data in the fields for **Season Codes Maintenance** make necessary changes and click **Update**.

Create

If information is missing regarding a specific season code, you can update the hardcoded files with the missing information:

In the field **Season Code**, type the correct season code and press <**TAB**>.

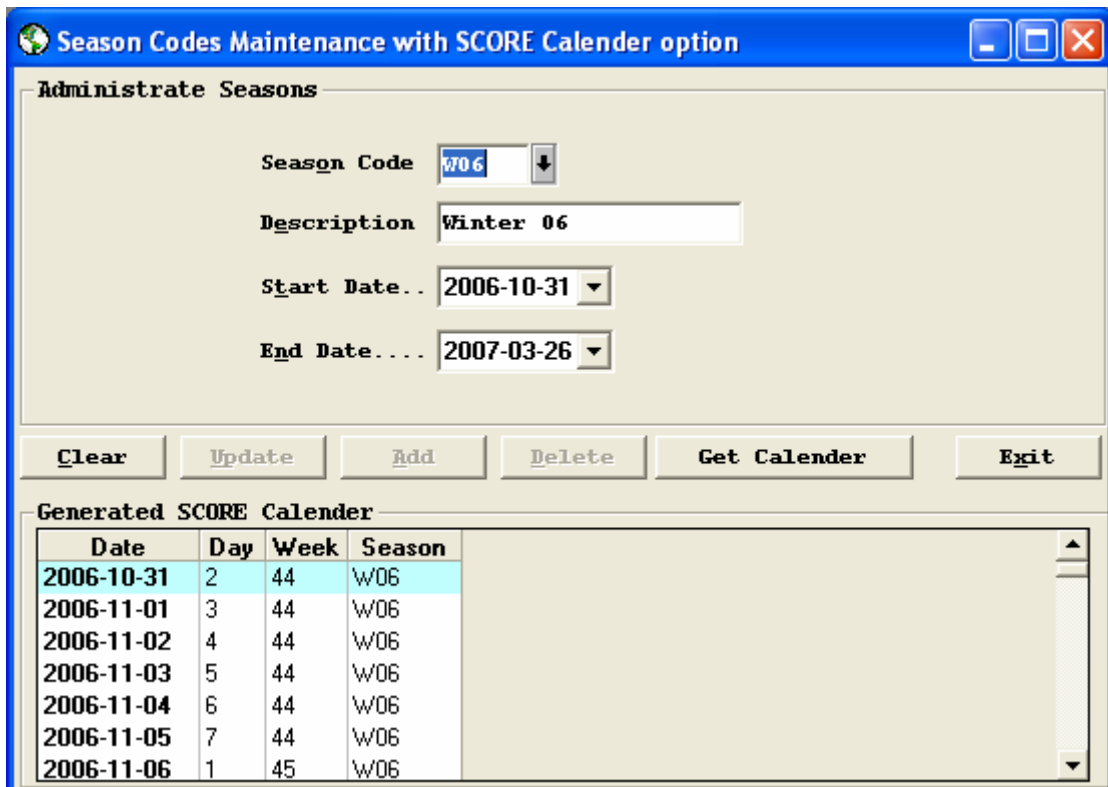
Add the missing data and validate by clicking **Add**.

Delete

To delete a season code, you simply locate the season code you wish to delete, mark it in the list and click **Delete**.

Get Calender

To display calendar data for SCORE click the **Get Calender** button. The SCORE calendar is displayed if it exists.



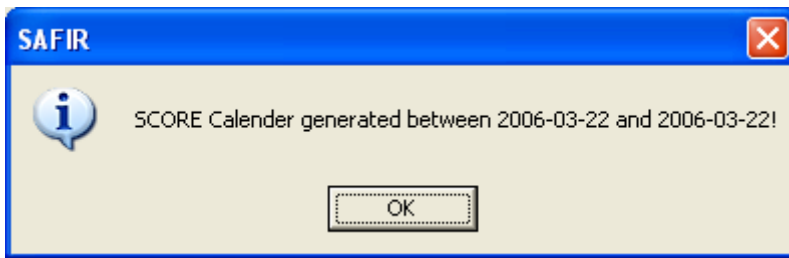
If pressing the **Get Calendar** results in an empty **Generated SCORE Calendar** list the button **Generate Calendar** will be displayed.

Generate Calendar

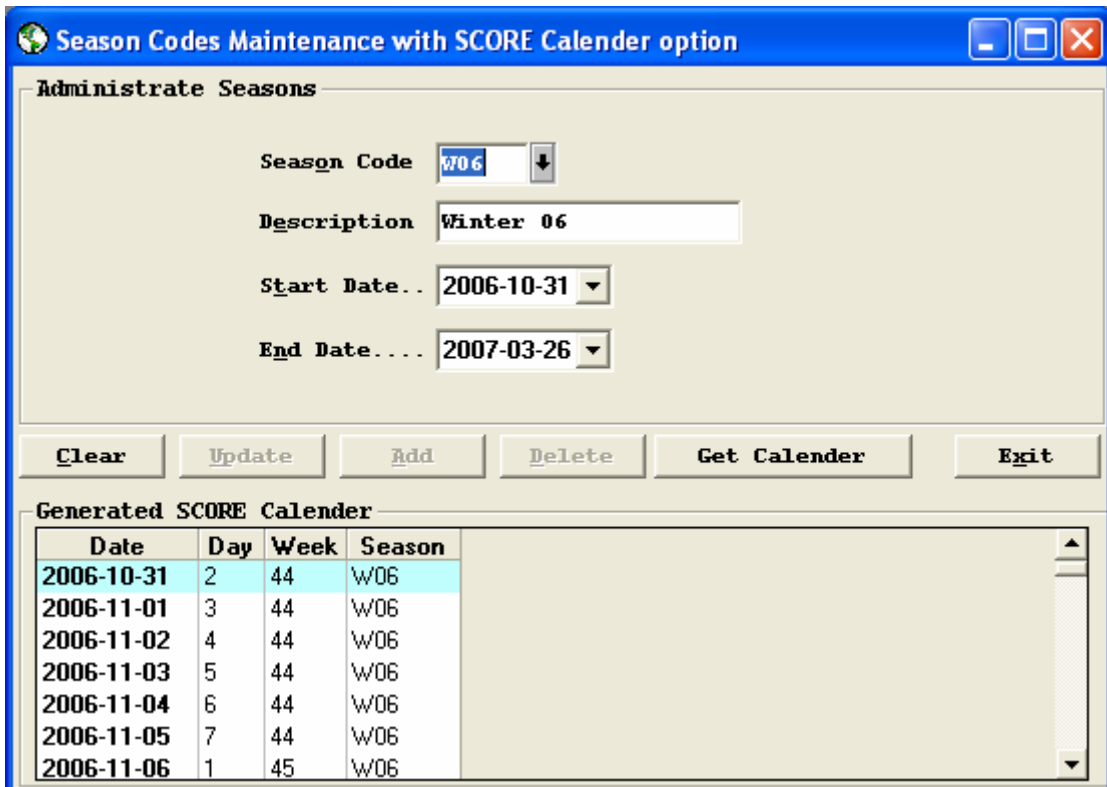
To generate a new SCORE calendar press the **Generate Calendar** button. You will be prompted to logon on to the COM_DB database as a SCORE administrator.



Use a correct account and a message informing you about the calendar generation appears.



Press the OK button and the SCORE calendar will appear.



SHORT PARKING MAINTENANCE

The *Short parking maintenance* module is used to define Aircraft types which use Short parking on specific stands. One Aircraft type can be associated with one or more stands.

Description

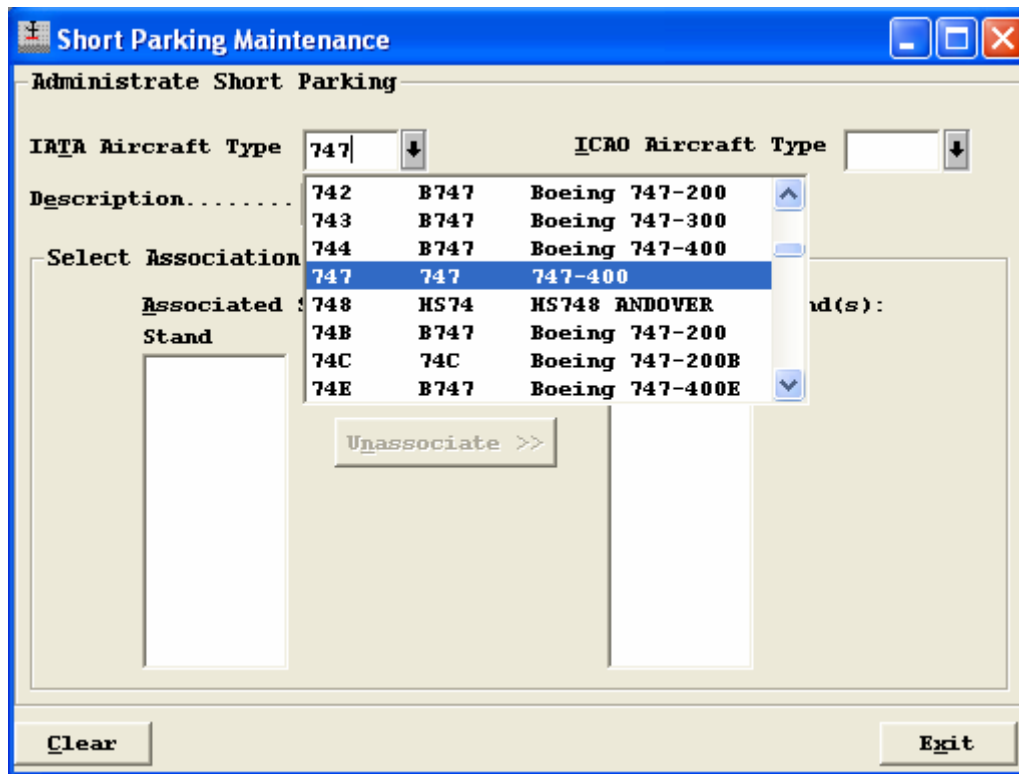
IATA Aircraft Type	-	IATA code for A/C type
ICAO Aircraft Type	-	ICAO code for A/C type
Description	-	Explanatory plain text
Associated Stand(s)	-	Stands associated for short parking of this Aircraft type
Available Stand(s)	-	Stands available for Short parking of this Aircraft type

<< A ssociate	-	Associate a stand to selected Aircraft type. Highlighted when a stand is selected from the Available Stand(s) list.
U nassociate >>	-	Unassociate a stand from selected Aircraft type. Highlighted when a stand is selected from the Associated Stand(s) list.
C lear	-	Clear all fields
E xit	-	Exit module

Search

To find a specific Aircraft type, follow the instructions below:

In the field for **IATA Aircraft type** or **ICAO Aircraft type** or **Description** type the first character of the Aircraft type or code you are searching for. Alternatively, if you lack all information regarding the selection, click the button marked with an arrow next to the field, to highlight a list of selections.

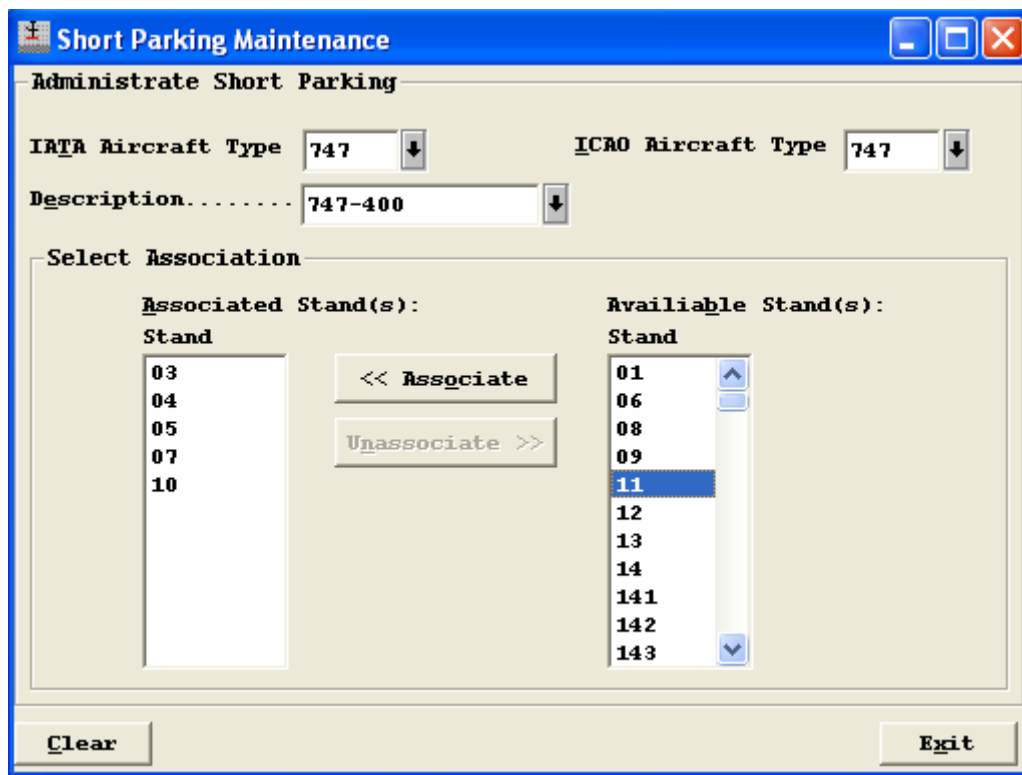


Update

To associate a Stand to selected Aircraft type, select stand by clicking on the Available Stand(s) list and then click the **<< Associate** button or double click on the selected stand. The selected stand will appear in the Associated Stand(s) list.

In order to unassociate a stand the procedure is the same as above but use the **Unassociate >>** button instead. When a stand is unassociated the stand will disappear from the Associated Stand(s) list and appear in the Available Stand(s) list.

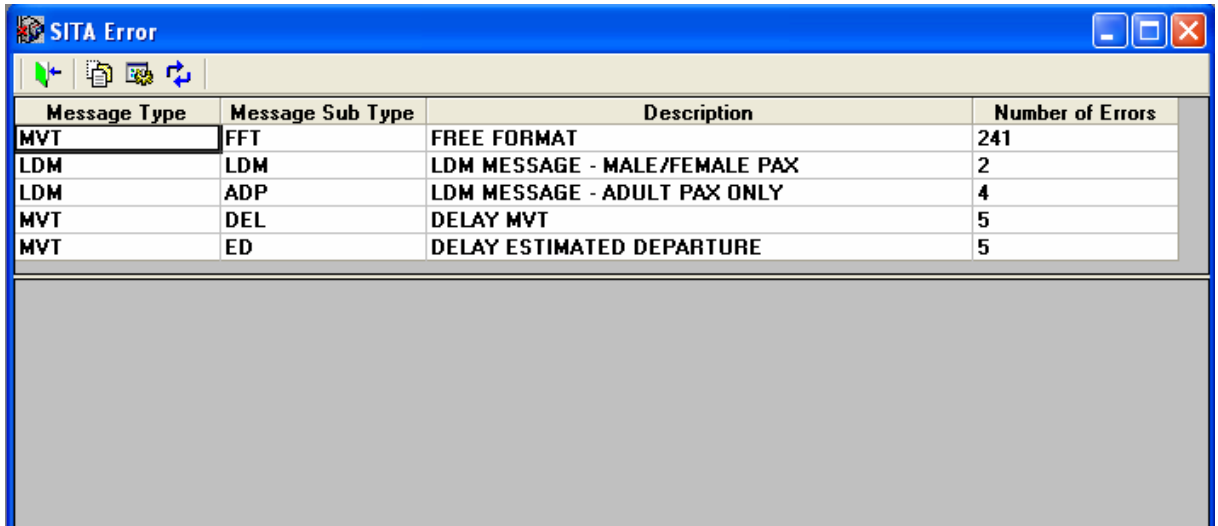
The changes will take effect immediately when either **<< Associate** or **Unassociate >>** button is clicked.



Note! One Aircraft type can be associated with one or more stands.





SITA ERROR


In order to find messages not processed automatically by SAFIR (usually because standard message types are sent with the wrong format), check the **SITA ERROR**.



Message Type	Message Sub Type	Description	Number of Errors
MVT	FFT	FREE FORMAT	241
LDM	LDM	LDM MESSAGE - MALE/FEMALE PAX	2
LDM	ADP	LDM MESSAGE - ADULT PAX ONLY	4
MVT	DEL	DELAY MVT	5
MVT	ED	DELAY ESTIMATED DEPARTURE	5

Description

Message type	- Type of telex message
Message Sub Type	- Sub type of telex message
Description	- Description of telex message
Number of Errors	- Number of errors by telex message type
	- Refresh Data
	- Show all error messages for selected SITA message type
	- Open a message in SITA MESSAGE EDITOR
	- Exit SITA ERROR

In order to view all error messages for a SITA message type: Select message type by clicking on the list. Then double click the highlighted SITA Message type or click the  button. The error messages will appear in a list at the bottom of the **SITA ERROR** form.


In the display below you can see that for message type "MVT" 5 error messages were identified.

Message Type	Message Sub Type	Description	Number of Errors
MVT	FFT	FREE FORMAT	241
LDM	LDM	LDM MESSAGE - MALE/FEMALE PAX	2
LDM	ADP	LDM MESSAGE - ADULT PAX ONLY	4
MVT	DEL	DELAY MVT	5
MVT	ED	DELAY ESTIMATED DEPARTURE	5

Unique Message ID	Date/Time Message	Status of message	Origin ID: SITA, SAS/CAS etc.
45017618	20-MAR-06 19:23	SIT9801	SITA
45017614	20-MAR-06 19:21	SIT9801	SITA
45017602	20-MAR-06 19:19	SIT9801	SITA
45017480	20-MAR-06 18:44	SIT9801	SITA
45017476	20-MAR-06 18:42	SIT9801	SITA

Description

Unique Message ID	- The unique ID of the error message assigned by SAFIR
Date/Time Message	- Date and time the message was amended
Status of message	- The actual error code of the SITA message
Origin ID: SITA, SAS/CAS etc.	- The originator of the SITA message

To view the body of a SITA message: Select the message by clicking on the list. Then double click the highlighted SITA Message or click the  button. The SITA messages will appear in a **SITA MESSAGE EDITOR** window.



For instructions about the **SITA Message Editor**, see chapter **Message Editor** in this manual.

SITA MESSAGE MAINTENANCE

SITA Message Maintenance is the module where you define, update or delete SITA telex addresses, which addresses to use and under which circumstances, and which payment code should be used. You also use this module to define which SITA-address is to be the originator of your message. You can also use **SITA Message Maintenance** to seek information about any of the above criteria.

By opening SITA Message Maintenance you can see a number of folders designed for different functions. Below is a description of them all.

Address Definition

Address Definition is the folder where you can find all valid telex addresses in SAFIR. You can change, add, update or delete telex addresses, and also specify if a telex address is to be inactive under a short term.

Description

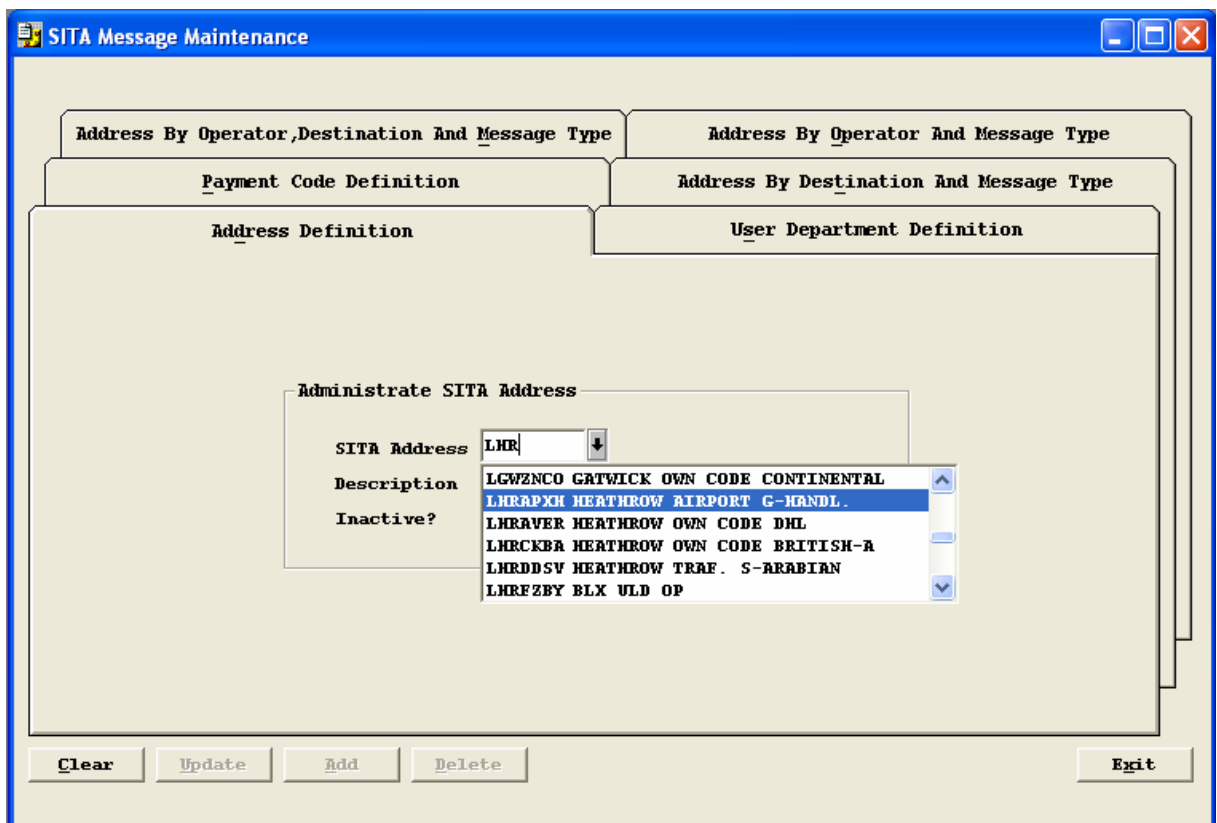
Administrate SITA Address	
SITA Address	- SITA telex address (7 digits mandatory)
Description	- Explanatory text message

Inactive?	- Marked if telex address is inactive for a short term.
Clear	- Clear all fields
Update	- Update fixed files
Add	- Add telex address
Delete	- Delete telex address
Exit	- Exit module

Search

To find a specific telex address, follow the instructions below:

In the field for **SITA Address** type the first character of the telex address you are searching for. Alternatively, if you have no information regarding the selection, click the button marked with an arrow next to the field, to highlight a list of selections.



As soon as you start typing, an explanatory window is opened, and simultaneously as you type the second character the list is reduced to match your search. When you have located the telex address, mark it and press **<Enter>** (or double-click in the list).

The screenshot shows the 'SITA Message Maintenance' application window. The main area is titled 'Address Definition' and contains a sub-form 'Administrate SITA Address'. The sub-form has the following fields:

- SITA Address:** A dropdown menu with the value 'LHRAPXH' selected.
- Description:** A text box containing 'HEATHROW AIRPORT G-HANDL.'.
- Inactive?:** A checkbox that is currently unchecked.

At the bottom of the window, there are five buttons: 'Clear', 'Update', 'Add', 'Delete', and 'Exit'.

Update

If you wish to change any data in the fields for **SITA address**, make the necessary changes and click **Update**.

Create

If information is missing regarding a specific telex address, you can update the hardcode files with the missing information:

In the field **SITA address**, type the correct telex address and press <**TAB**>.

Add the missing data and validate by clicking **Add**.

Delete

To delete a telex address, you simply locate the telex address you wish to delete, mark it in the list and click **Delete**.

Note! There are different reasons why an address is not to be used on a telex message. If the address no longer exists, you can delete it from SAFIR, but if an address is not to be used for a short time only, it is recommended that you mark it inactive to avoid having to recreate it in the next time it is to be used.

Payment Code Definition

Sending messages costs money. For each operator you have to define who is to be charged for the communication costs for the telex. This is defined under **Payment Code Definition**. **Payment Code Definition** is used to create, update or delete payment codes. You can also use **Payment Code Definition** to seek information regarding a specific payment code.

The screenshot shows the 'SITA Message Maintenance' application window. It features a tabbed interface with the following tabs: 'Address Definition', 'User Department Definition', 'Address By Operator, Destination And Message Type', 'Address By Operator And Message Type', 'Payment Code Definition', and 'Address By Destination And Message Type'. The 'Payment Code Definition' tab is active, displaying a form titled 'Administrate Payment Code'. The form contains the following fields:

- IATA Operator Code: A dropdown menu.
- ICAO Operator Code: A dropdown menu.
- Operator Name: A text input field with a dropdown arrow on the right.
- SITA Payment Code: A text input field.

At the bottom of the window, there are five buttons: 'Clear', 'Update', 'Add', 'Delete', and 'Exit'.

Description

Administrate Payment Code

- | | |
|---------------------------|--|
| ICAO Operator Code | - Prefix of operator/airline in ICAO format. |
| IATA Operator Code | - Prefix of operator/airline in IATA format. |
| Operator Name | - Operator/Airline name |
| SITA Payment Code | - SITA code for payment |

C lear	- Clear all fields
U ppdate	- Update
A dd	- Add payment code
D el e te	- Delete payment code
E xit	- Exit module

Search

To find a specific payment code, follow the instructions below:

In the field for **IATA Operator Code** or **ICAO Operator Code** you type the first character of the operator/airline prefix you are searching for. Alternatively, if you lack all information regarding the selection, click the button marked with an arrow next to the field, to highlight a list of selections.

The screenshot shows the 'SITA Message Maintenance' application window. The main area is divided into several overlapping panels. The 'Payment Code Definition' panel is the most prominent and contains a sub-panel titled 'Administrate Payment Code'. This sub-panel has three input fields: 'IATA Operator Code' with a dropdown menu showing 'BA', 'Operator Name.....' with a dropdown menu showing a list of codes (B9, BA, BAB, BAC, BAD, BAE) where 'BA' is selected, and 'SITA Payment Code'. To the right of these fields are two more dropdown menus for 'ICAO Operator Code' and another unlabeled dropdown. At the bottom of the window are buttons for 'Clear', 'Update', 'Add', 'Delete', and 'Exit'.

As soon as you start typing, an explanatory window is opened, and simultaneously as you type the second character the list is reduced to match your search. When you have located the operator/airline of your search, mark it and press <Enter> (or double-click in the list).

Update

The screenshot shows the 'SITA Message Maintenance' application window. The 'Payment Code Definition' section is active, displaying the 'Administrate Payment Code' sub-panel. The fields are filled with: IATA Operator Code: BA, ICAO Operator Code: BAW, Operator Name: BRITISH AIRWAYS, and SITA Payment Code: BA. The 'Update' button is highlighted.

Update

If you wish to change any data in the fields for **Payment Code Definition**, make necessary changes and click **Update**.

Create

If information is missing regarding a specific payment code, you can update the fixed files with the missing information:

In the field **IATA Operator Code** or **ICAO Operator Code**, type the correct operator/airline prefix number and press <TAB>.

Add the missing data and validate by clicking **Add**.

Delete

To delete a payment code, you simply locate the payment code you wish to delete, mark it in the list and click **Delete**.

Address By Operator, Destination And Message Type

In order to keep track of which addresses to use when sending a telex, SAFIR has a module for handling specific telex addresses, based on the criteria of the telex. One example could be if you want a telex address to be added to the telex, **only if** the destination is Madrid, the airline Iberia and the message type is LDM, otherwise SAFIR should skip this specific address.

Under the folder *Address by Operator, Destination and Message Type*, you define which addresses that are to be used with a specific combination of destination, airline and telex message type.

Description

Administrate SITA Address

- | | |
|---------------------------|--|
| IATA Operator Code | - Prefix of operator/airline in IATA format. |
| IATA Airport Code | - Airport/destination code in IATA format. |
| Message Type | - Type of telex message |
| SITA Address | - SITA address that telex is to be sent to |

C lear Row	- Clear marked field
C lear	- Clear all fields
A dd	- Add information
D elete	- Delete information
E xit	- Exit folder

Search

In order to find out which addresses that are defined to be used under specific criteria, follow the example below:

Example:

If you would like to find out which addresses in SAFIR are auto generated, when sending a LDM (Load Message) regarding British Airways flights to London Heathrow:

In the field **IATA Operator Code** you type the IATA code for British Airways (BA).

In the field **IATA Airport Code** you type the IATA code for London Heathrow (LHR).

In the field **Message Type** you type the IATA code Load message (LDM).

A list containing all the addresses auto generated when you send a LDM for British Airways **if** the destination is LHR is displayed:

Administrate SITA Address

IATA Operator Code: BA Message Type: LDM

IATA Airport Code: LHR SITA Address:

Messagetype	SITA Address	Description
LDM	LHRCKBA	HEATHROW OWN CODE BRITISH-A
LDM	LHRNGBA	HEATHROW OWN CODE BRITISH-A
LDM	LHRPDBA	HEATHROW OWN CODE BRITISH-A
LDM	LHRPVBA	HEATHROW OWN CODE BRITISH-A
LDM	LHRWSBA	HEATHROW OWN CODE BRITISH-A
LDM	LONUCBA	LONDON OWN CODE BRITISH-A


Clear Row

Clear Add Delete Exit

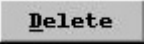
Create

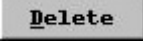
If information is missing regarding a specific message, operator or destination, you can update the fixed files with the missing information:

In the field **IATA Operator Code**, type the correct operator/airline prefix and press <**TAB**>.

Add the missing data and validate by clicking 

Delete

To delete an address from this list, you simply locate the address you wish to delete, mark it in the list and click .

Note! When you click , the address is NOT deleted from the SAFIR database, but only from the criteria that are selected for auto generated messages.

Address By Operator And Message Type

Under the folder **Address by Operator and Message Type**, you can define which addresses are to be used for a specific operator/airline and a specific message type, regardless of the destination.

SITA Message Maintenance

Payment Code Definition Address By Destination And Message Type

Address Definition User Department Definition

Address By Operator, Destination And Message Type Address By Operator And Message Type

Administrate SITA Address

IATA Operator Code [] Message Type [] SITA Address []

Messagetype	SITA Address	Description
-------------	--------------	-------------

Clear Row

Clear Add Delete Exit

Description

Administrate SITA Address	
IATA Operator Code	- Prefix of operator/airline in IATA format.
Message Type	- Type of telex message
SITA Address	- SITA address that telex is to be sent to
Clear Row	- Clear marked field
Clear	- Clear all fields
Add	- Add information
Delete	- Delete information
Exit	- Exit folder

Search

In order to find out which addresses are defined to be used under specific criteria, follow the example below:

Example:

If you would like to find out which addresses in SAFIR are auto generated, when sending a MVT (Movement Message) regarding British Airways flights regardless of destination:

In the field **IATA Operator Code** you type the IATA code for British Airways (BA).

In the field **Message Type** you type the IATA code Movement message (MVT).

A list containing all the addresses auto generated when you send a MVT for British Airways **regardless** of the destination is displayed.

Administrate SITA Address

IATA Operator Code: BA Message Type: MVT SITA Address: []

Messagetype	SITA Address	Description
LDM	ARNDCXH	ARLANDA SAFIR COMPUTER
LDM	ARNKHXH	SERVISAIR OPS ARN
LDM	ARNKOB	ARLANDA TRAF. OPS BRITISH-A
LDM	LHRWMB	HEATHROW COMPUTER BRITISH-A
LDM	LHRWWB	HEATHROW OPS BRITISH-A
MVT	ARNKEB	ENGINEERING BA ARN
MVT	ARNKHXH	SERVISAIR OPS ARN

Buttons: Clear, Add, Delete, Exit

Create

If information is missing regarding a specific message or operator, you can update the fixed files with the missing information:

In the field **IATA Operator Code**, type the correct operator/airline prefix and press **<TAB>**.

Add the missing data and validate by clicking **Add**

Delete

To delete an address from this list, you simply locate the address you wish to delete, mark it in the list and click **Delete**.

*Note! When you click **Delete**, the address is NOT deleted from the SAFIR database, but only from the criteria that are selected for auto generated messages.*

User Department Definition

All telexes that are sent have to have an originating address. Under the folder **User Department Definition** you define which address is to be used as originating address, dependent on which handling agent is valid.

Description

Administrate User Department	
User Department	- Department of handling Agent
SITA Address	- SITA address telex is to be sent from

C lear	- Clear all fields
U ppdate	- Update fixed files
A dd	- Add originating address
D elete	- Delete originating address
E xit	- Exit folder

Search

In order to find out which address is defined to be used for a specific department, do the following:

In field **User Department** type the user department you are searching for. Alternatively, if you have no information regarding the selection, click the button marked with an arrow next to the field, to highlight a list of selections.

As soon as you start typing, an explanatory window is opened, and simultaneously as you type the second character the list is reduced to match your search. When you have located the operator/airline of your search, mark it and press <**Enter**> (or double-click in the list).

The screenshot shows the 'SITA Message Maintenance' application window. The main menu includes options for searching by operator, destination, and message type, as well as defining payment codes, addresses, and user departments. A dialog box for administering user departments is active, showing a dropdown for 'User Department' (set to 'NOVIA') and a text field for 'SITA Address...' (containing 'ARNKOH'). The bottom of the window features a toolbar with 'Clear', 'Update', 'Add', 'Delete', and 'Exit' buttons.


Update

If you wish to change any data in the fields for **User Department Definition** make necessary changes and click .


Create

If information is missing regarding a specific address or department, you can update the fixed files with the missing information:

In the field **User Department**, type the correct handling agent and press <**TAB**>.

Add the missing data and validate by clicking .

Delete

To delete an address, you simply locate the address you wish to delete, mark it in the list and click .

Address By Destination And Message Type

Under the folder *Address by Destination and Message Type*, you can define which addresses are to be used for a specific airport/destination and a specific message type, regardless of the airline/operator.

Description

Administrate SITA Address

- | | |
|--------------------------|---|
| IATA Airport Code | - Prefix of airport/destination in IATA format. |
| Message Type | - Type of telex message |
| SITA Address | - SITA address that telex is to be sent to |

Clear Row	- Clear marked field
Clear	- Clear all fields
Add	- Add information
Delete	- Delete information
Exit	- Exit folder

Search

In order to find out which addresses are defined to be used under specific criteria, follow the example below:

Example:

If you would like to find out which addresses in SAFIR that are auto generated, when sending a MVT (Movement Message) regarding flights to London Gatwick (LGW) regardless of operator/airline:

In the field **IATA Airport Code** you type the IATA code for London Gatwick (LGW).

In the field **Message Type** you type the IATA code Movement Message (MVT).

A list containing all the addresses auto generated when you send a MVT London Gatwick regardless of operator/Airline is displayed.

Create

If information is missing regarding a specific message or destination/airport, you can update the fixed files with the missing information:

In the field **IATA Airport Code**, type the correct destination/airport and press **<TAB>**.

Add the missing data and validate by clicking **Add**

Delete

To delete an address from this list, you simply locate the address you wish to delete, mark it in the list and click **Delete**.

*Note! When you click **Delete**, the address is NOT deleted from the SAFIR database, but only from the criteria that are selected for auto generated messages.*

SITA Message Maintenance

Address Definition User Department Definition

Address By Operator, Destination And Message Type Address By Operator And Message Type

Payment Code Definition Address By Destination And Message Type

Administrate SITA Address

IATA Airport Code: LGW Message Type: LDM SITA Address: LGWRRXH

Messagetype	SITA Address	Description
-------------	--------------	-------------

Clear Row

Clear Add Delete Exit

SITA MESSAGE GIF

SITA Message GIF is used to administrate SITA telex templates and masks, for telexes to be handled by SAFIR. *SITA Message GIF* also defines whether the templates shall be a default standard for automatic SAFIR processing of inbound and/or outbound telexes.

Administrate SITA Message Type:

Message Type:

Message Type..... [] ↓

GIF Page..... [] ↓

Description..... []

Auto Process Inbound

Auto Process Outbound

Submessage	Description	A In	A Out	SITA Mask

Submessage Type:

Submessage Type..... []

Description..... []

SITA Mask..... []

Auto Process Inbound

Auto Process Outbound

Update

Insert

Delete

Clear

Clear Update Add Delete Exit

Description

Message Type:

Message Type	- SITA telex type
GIF Page	- GIF page
Description	- Plain Language explanation
Auto Process Inbound	- Auto process inbound telexes
Auto Process Outbound	- Auto process outbound telexes

Submessage	- Submessage of Message Type.
Description	- Plain language explanation
A In	- Auto process inbound telexes
A Out	- Auto process outbound telexes
SITA Mask	- SITA template

Submessage Type:

Submessage Type	- Submessage of Message Type.
Description	- Plain language explanation
SITA Mask	- SITA template
Auto Process Inbound	- Auto process inbound telexes
Auto Process Outbound	- Auto process outbound telexes
Clear	- Clear fields in sub message
Update	- Update fixed files
Insert	- Insert new template
Delete	- Delete sub message type

C lear	- Clear all fields
U ppdate	- Update fixed files
A dd	- Add information
D ellete	- Delete information
E xit	- Exit module

Below there is an example of the different masks regarding a Load message (LDM). One can handle gender separately, and the other is to handle all gender as Adults.

SITA Message GIF

Administrate SITA Message Type:

Message Type:

Message Type..... LDM ↓

GIF Page..... 2 ↓

Description..... SITA LOAD MESSAGE

Auto Process Inbound

Auto Process Outbound

Submessage	Description	A In	A Out	SITA Mask
ADP	LDM MESSAGE - ADULT PAX ONLY	1	0	5
LDM	LDM MESSAGE - MALE/FEMALE PAX	0	0	3

Submessage Type:

Submessage Type.....

Description.....

SITA Mask.....

Auto Process Inbound

Auto Process Outbound

Update

Insert

Delete

Clear

Clear Update Add Delete Exit

STAND CODE

Stand Code Maintenance is used to define A/C parking stands for the airport in the SAFIR system.

Stand Code Maintenance is used to create, update or delete aircraft registrations. You can also use *Stand Code Maintenance* to seek information regarding a specific aircraft registration.

In *Stand Code Maintenance* there are three folder described as **Fixtures**, **Dimensions** and **Gate Maintenance**, which are described below.

Description

Stand Code	- Code for A/C stand
Terminal Code	- Terminal code
Pier Code	- Pier Code

C lear	- Clear all fields
U ppdate	- Update fixed files
A dd	- Add information
D el e te	- Delete information
E xit	- Exit module

Stand Code Maintenance

Administrat~~e~~ Stand Code

Stand Code Terminal Code Pier Code

Fixtures	Dimensions	Gate Maintenance	De-icing
Overlaps Stand Code <input type="text"/>		Restricted..... <input type="checkbox"/>	
Multiple aircraft. <input checked="" type="checkbox"/>		Restricted A/C size <input type="text"/>	
Stand Type..... <input type="text" value="J"/>		Jetty A exists..... <input checked="" type="checkbox"/>	<input type="checkbox"/> Jetty A inoperable
Inoperable..... <input type="checkbox"/>		Jetty B exists..... <input type="checkbox"/>	<input type="checkbox"/> Jetty B inoperable
Time stand opens.. <input type="text" value="0000"/>		EEGP exists..... <input type="checkbox"/>	<input type="checkbox"/> EEGP inoperable
Date stand opens.. <input type="text" value="01JAN96"/>		Fuel hydrant exists <input checked="" type="checkbox"/>	<input type="checkbox"/> Fuel hydrant inoperable
		Parking aid exists. <input checked="" type="checkbox"/>	<input type="checkbox"/> Parking aid inoperable

Fixtures

Overlaps Stand Code	- Overlaps Stand Code
Multiple aircraft	- Multiple aircraft stands
Stand Type	- A/C stand type
Inoperable	- Marked if out of order
Time stand opens	- Reopening time
Date stand opens	- Reopening date
Restricted	- Restricted
Restricted A/C Size	- Maximum size of A/C at stand
Jetty A exists	- Front door passenger jetty exists
Jetty B exists	- Back door passenger jetty exists
FEGP exists	- FEGP exists
Fuel hydrant exists	- Stand equipped with hydrant fuel system
Parking aids exists	- Docking system for A/C parking exists

Stand Code Maintenance

Administrate Stand Code

Stand Code: 18 Terminal Code: 5 Pier Code: B

Fixtures Dimensions Gate Maintenance De-icing

Overlaps Stand Code: [dropdown]

Multiple aircraft:

Stand Type: J [dropdown]

Inoperable:

Time stand opens: 0000

Date stand opens: 01JAN96

Restricted:

Restricted A/C size: [dropdown]

Jetty A exists: Jetty A inoperable:

Jetty B exists: Jetty B inoperable:

FEGP exists: FEGP inoperable:

Fuel hydrant exists: Fuel hydrant inoperable:

Parking aid exists: Parking aid inoperable:

Clear Update Add Delete Exit

Dimensions

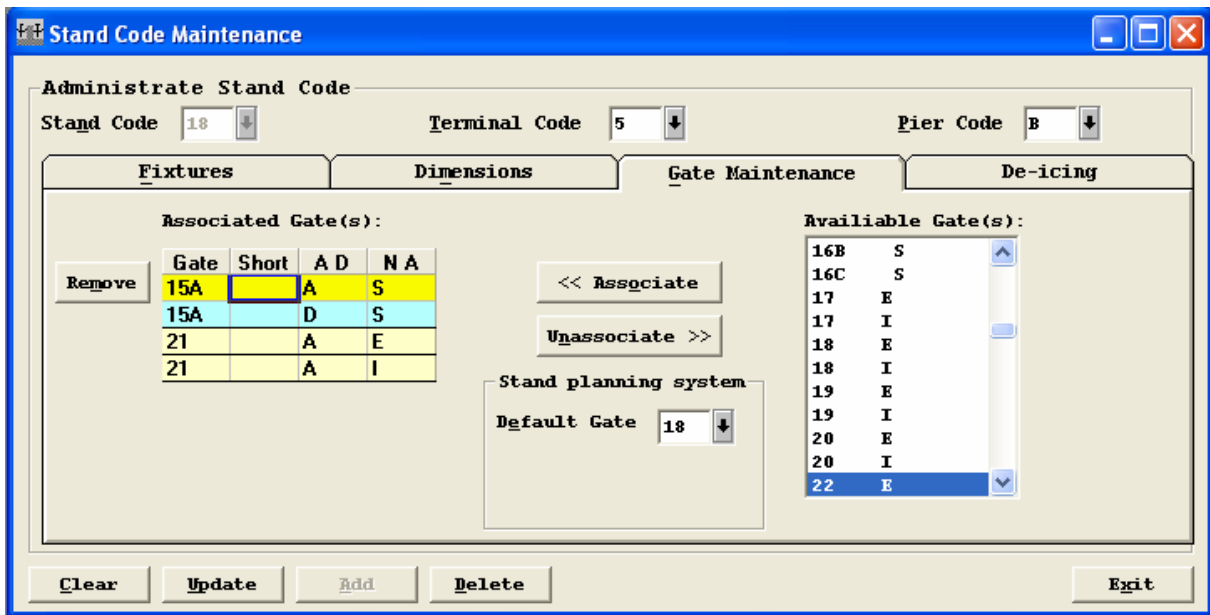
Under Dimensions folder the stands dimensions are described.

Stand Width	- Width of A/C stand
Stand Length	- Length of A/C stand
Operational Length	- Operational length of stand
Min Operational Height	- Minimum operational length of A/C
Max Operational Height	- Maximum operational length of A/C
Unit Of Measure	- System used for measurement

Gate Maintenance

Certain Stands has a gate associated to the Stand, due to operational or geographical reasons. Under folder **Gate Maintenance** this association is done.

Note! One stand can be associated with one ore more gates.



Description

Associated Gate (s):

Gate

Short

A D

N A

Delete

Available Gate (s):

Gate

Nature

- Associated gate(s)
- Code of Gate
- Gate to use for Short Parking.
- Arrival or Departure.
- Type of gate
 - S**= Schengen
 - I**= International
 - E**= European
 - D**= Domestic
- Delete highlighted associated gate.
- Gate(s) available for parking
- Code of gate
 - Type of Gate
 - S**= Schengen
 - **I**= International
 - E**= European
 - D**= Domestic

<< Associate	- Associate gate with stand.
Unassociate >>	- Unassociate gate with stand.
Stand planning system	- Stand allocation system (TMS)
Default Gate	- Standard gate

De-icing

Under folder *De-icing* the default de-icing location for selected Stand is defined.

Description

De-icing:

Local de-icing	- De-icing at Stand before push back
De-icing after push back	- De-icing at Stand after push back
Remote de-icing	- Remote de-icing
Default remote de-icing area.	- Default de-icing area if remote de-icing is used

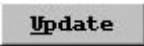
Search

In order to find out what fixtures, dimensions and gates are associated with a certain stand code, this is how you do:

In field **stand Code** type the stand code you are searching for. Alternatively, if you lack all information regarding the selection, click the button marked with an arrow next to the field, to highlight a list of selections.

As soon as you start typing, an explanatory window is opened, and simultaneously as you type the second character the list is reduced to match your search. When you have located the stand code of your search, mark it and press <**Enter**> (or double-click in the list).

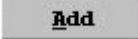
Update

If you wish to change any data in the different folders make necessary changes and click .


Create

If information is missing regarding a certain stand code, you can update the fixed files with the missing information:

In the field **stand Code**, type the correct stand code and press <**TAB**>.

Add the missing data and validate by clicking .

Delete

To delete a stand code, you simply locate the stand code you wish to delete, mark it in the list and click .

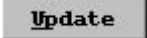
STATISTICS EXPORT

Statistics Export Maintenance is used to define how data in SAFIR shall be stored and/or archived.

Description

Number of days to hold in Schedule table.	- Number of days to appear in Schedules table
Number of days to store in Statistics database.	- Number of days to store information in Statistics database
Number of days to archive from Statistics database.	- Number of days to archive from Statistics database.
Days to export to Statistics database.	- Which days to export to Statistics database
Number of day's timetable messages to be retained.	- Number of day's timetable messages is kept.
Date/Time of last export.	- Date/time of last report
Cancel	- Cancel operation
Update	- Update data
Exit	- Exit module

Update

If you wish to change any data make necessary changes and click .

TAXI DEFAULT TIMES MAINTENANCE

Default Taxi Time Maintenance is used to define the default taxi in and taxi out times used when a flight is created.

Description

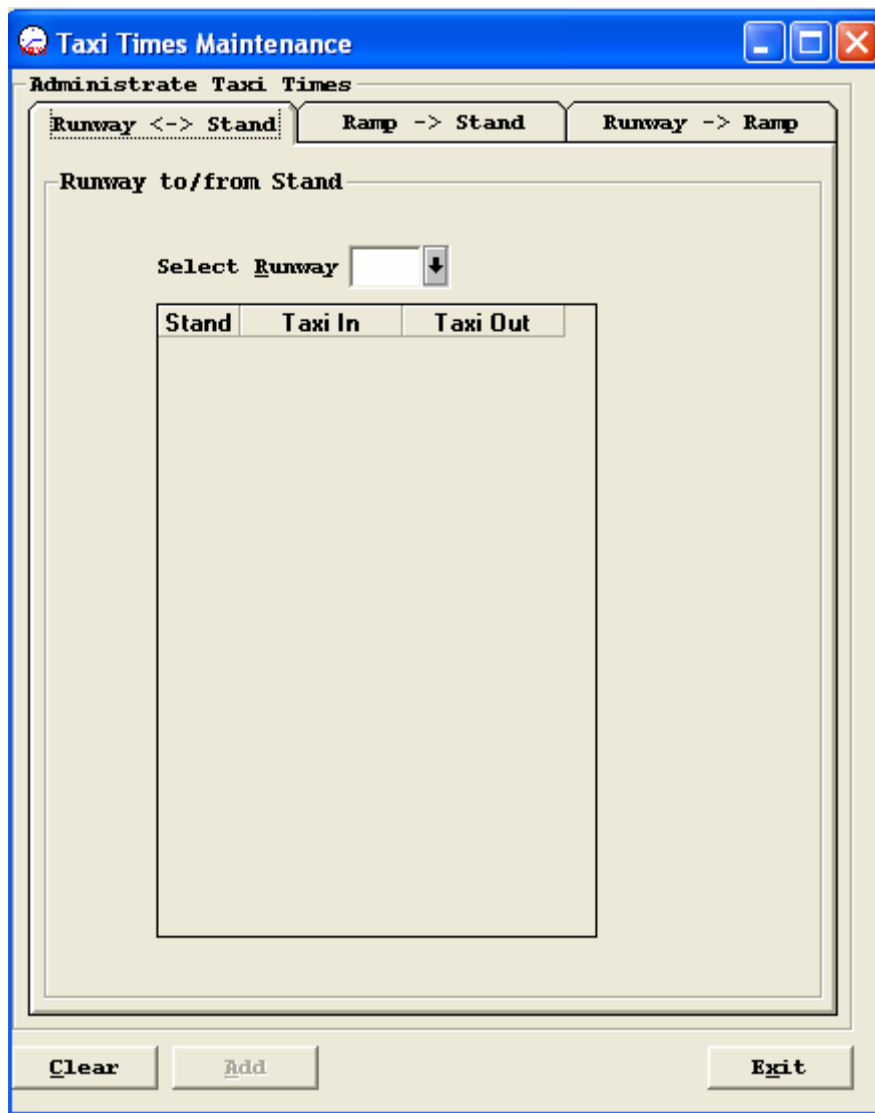
Host Airport	- Selected Airport.
Default Taxi in time	- Default taxi in time in minuits.
Default Taxi out time	- Default taxi in time in minuits.
Default	- Revert to default values
Update	- Update data
Exit	- Exit module

TAXI TIMES MAINTENANCE

Taxi Times Maintenance is used to define the default times between runway and stand, ramp area and stand, runway and ramp area. This values are use in CDM calculations.

In *Taxi Times Maintenance* there are three folder described as **Runway <-> Stand**, **Ramp -> Stand** and **Runway -> Ramp**, which are described below.

The **Runway <-> Stand** folder is used to define default taxi times between runway and stand and reverse.



Description

Select Runway

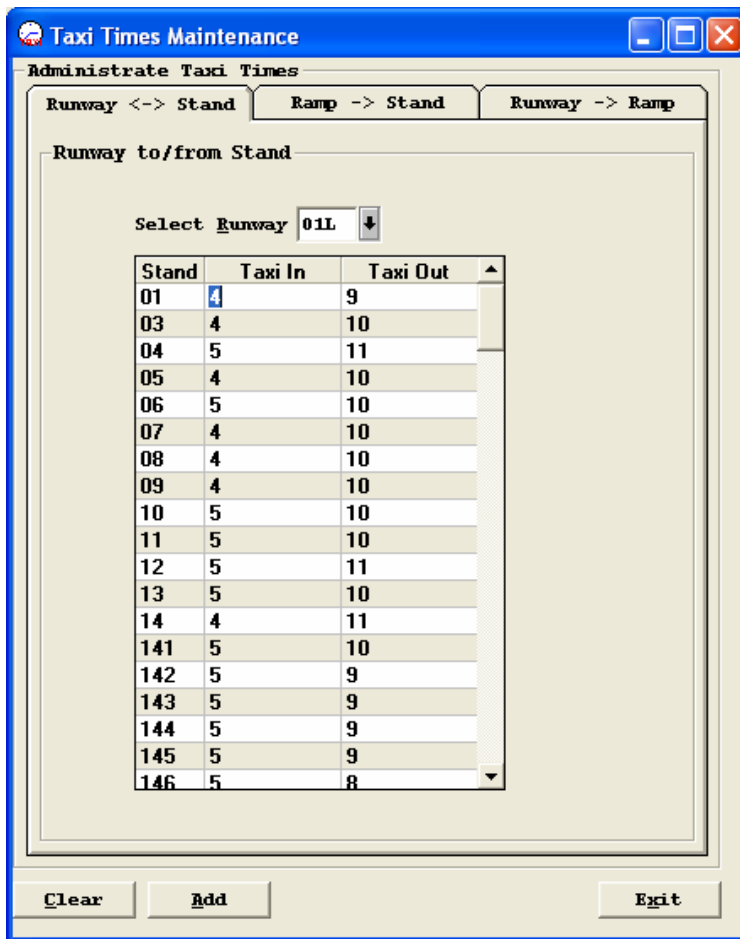
- Selected Runway

Stand	- Actual stand
Taxi In	- Taxi time between runway and stand
Taxi Out	- Taxi time from stand to runway
Clear	- Clear data in form
Add	- Add a new taxi time
Exit	- Exit module

Search

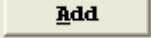
In order to find out what taxi times are used in CDM calculations, this is how you do:

In field **Select Runway** type the runway you are searching for. Alternatively, if you lack all information regarding the selection, click the button marked with an arrow next to the field, to highlight a list of selections.

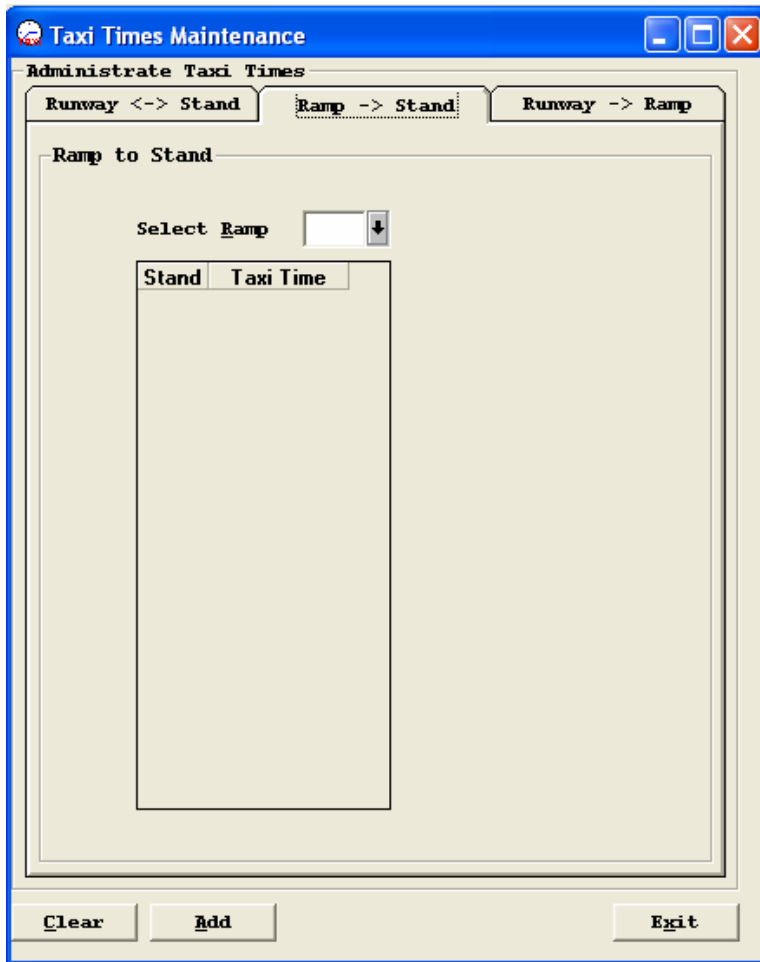


As soon as you start typing, an explanatory window is opened, and simultaneously as you type the second character the list is reduced to match your search. When you have located the runway code of your search, mark it and press <Enter> (or double-click in the list).

Add

To add a stand to the taxi time list. Press the  button. A new line with an empty stand and the default taxi in and taxi out time appears.

The **Ramp -> Stand** folder is used to define default taxi times from a ramp area to a stand.



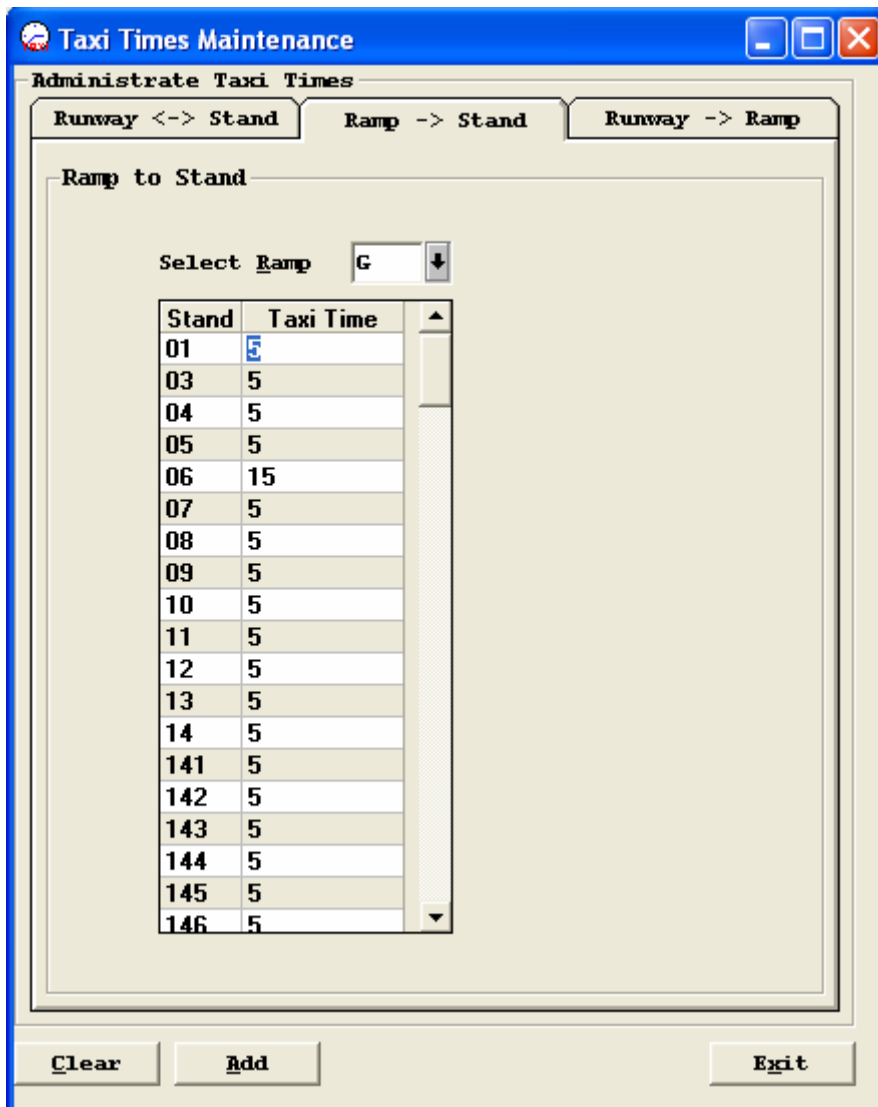
Description

Select Ramp	- Selected Ramp area
Stand	- Actual stand
Taxi Time	- Taxi time from ramp area to stand

Search


In order to find out what taxi times are used in CDM calculations, this is how you do:

In field **select Ramp** type the ramp area you are searching for. Alternatively, if you lack all information regarding the selection, click the button marked with an arrow next to the field, to highlight a list of selections.

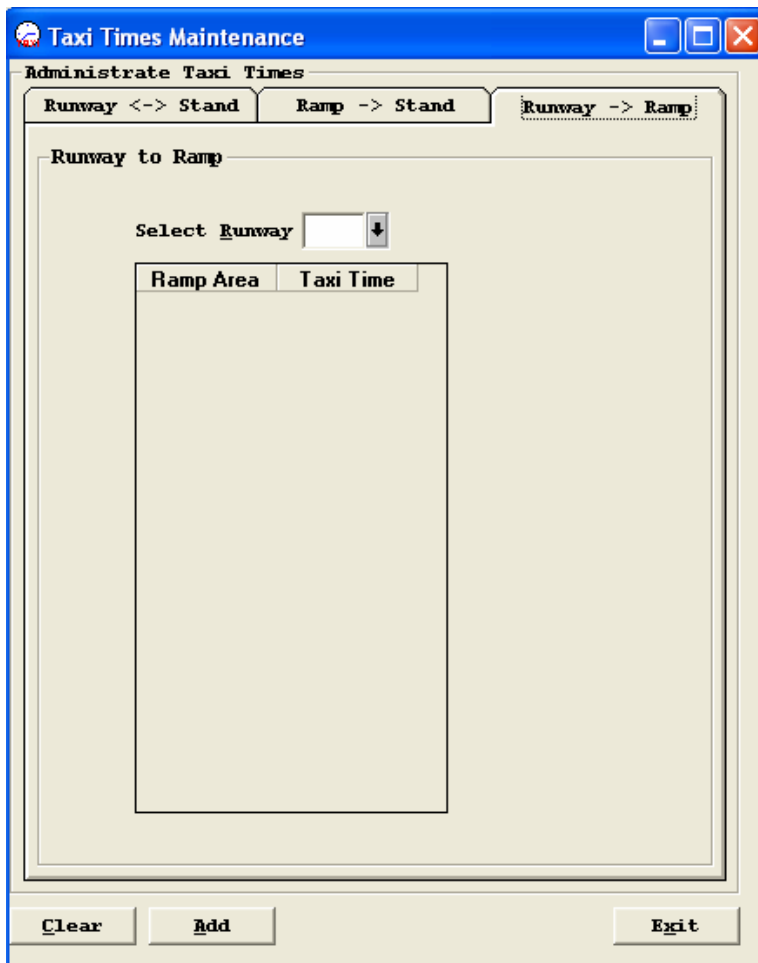


As soon as you start typing, an explanatory window is opened, and simultaneously as you type the second character the list is reduced to match your search. When you have located the ramp area code of your search, mark it and press **<Enter>** (or double-click in the list).

Add

To add a stand to the taxi time list. Press the  button. A new line with an empty stand and the default taxi time appears.

The **Runway -> Ramp** folder is used to define default taxi times from a runway area to selected ramp area.



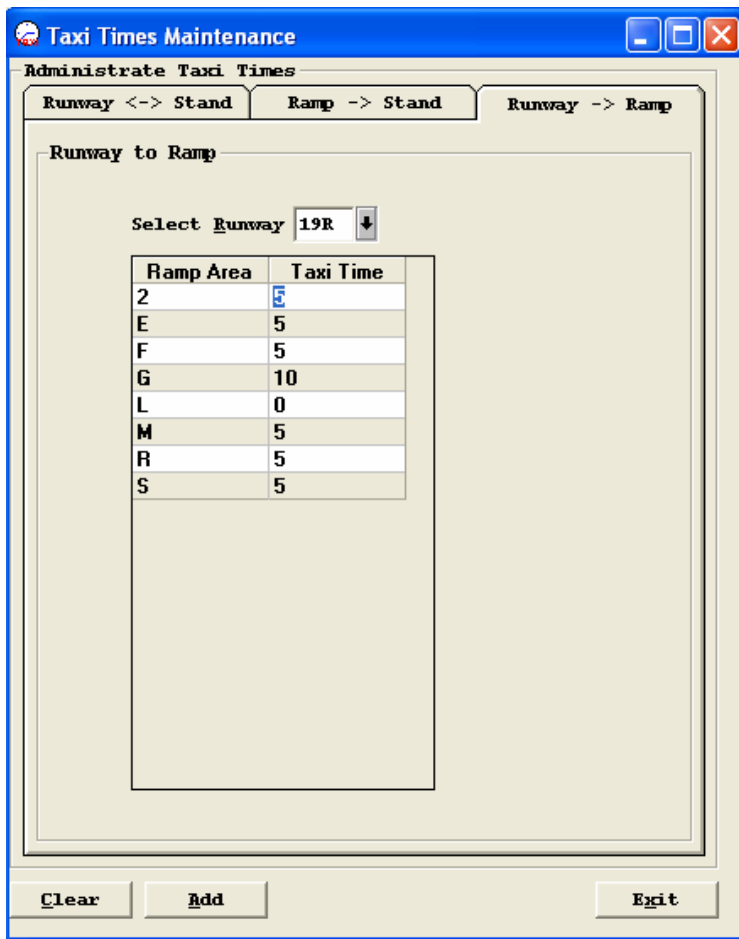
Description

Select Runway	- Selected Runway
Ramp Area	- Actual Ramp Area
Taxi Time	- Taxi time from runway to ramp area

Search

In order to find out what taxi times are used in CDM calculations, this is how you do:

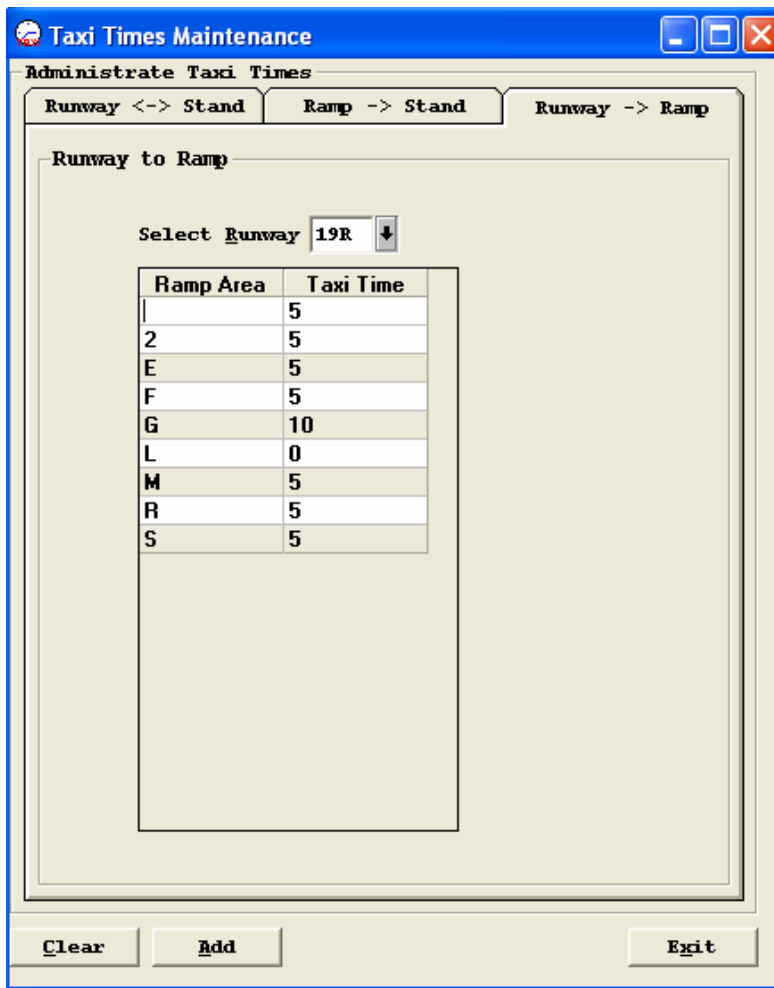
In field **select Runway** type the runway area you are searching for. Alternatively, if you lack all information regarding the selection, click the button marked with an arrow next to the field, to highlight a list of selections.



As soon as you start typing, an explanatory window is opened, and simultaneously as you type the second character the list is reduced to match your search. When you have located the ramp area code of your search, mark it and press **<Enter>** (or double-click in the list).

Add

To add a ramp area to the taxi time list. Press the **Add** button. A new line with an empty ramp area and the default taxi time appears.



Enter the new ramp area code and the correct taxi time then press <Tab>. The data is automatically stored if the new ramp area exists (Ramp area is defined in the *Ramp Area Maintenance* module).

TIMETABLE SAS CONNECTION

This module is used to configure operators whose timetable records should be processed.

Timetable SAS connection is used to add or delete an operator whose timetable records should be processed. You can also use *Timetable SAS connection* to search for information regarding a specific operator.

Timetable SAS Connection Maintenance

IATA Operator Code ↓

ICAO Operator Code ↓

Operator Name..... ↓

The following operators timetable are processed:

IATA Code	ICAO Code	Description
OU	CTN	CROATIA AIRLINES d.d.

Clear Add Delete Exit

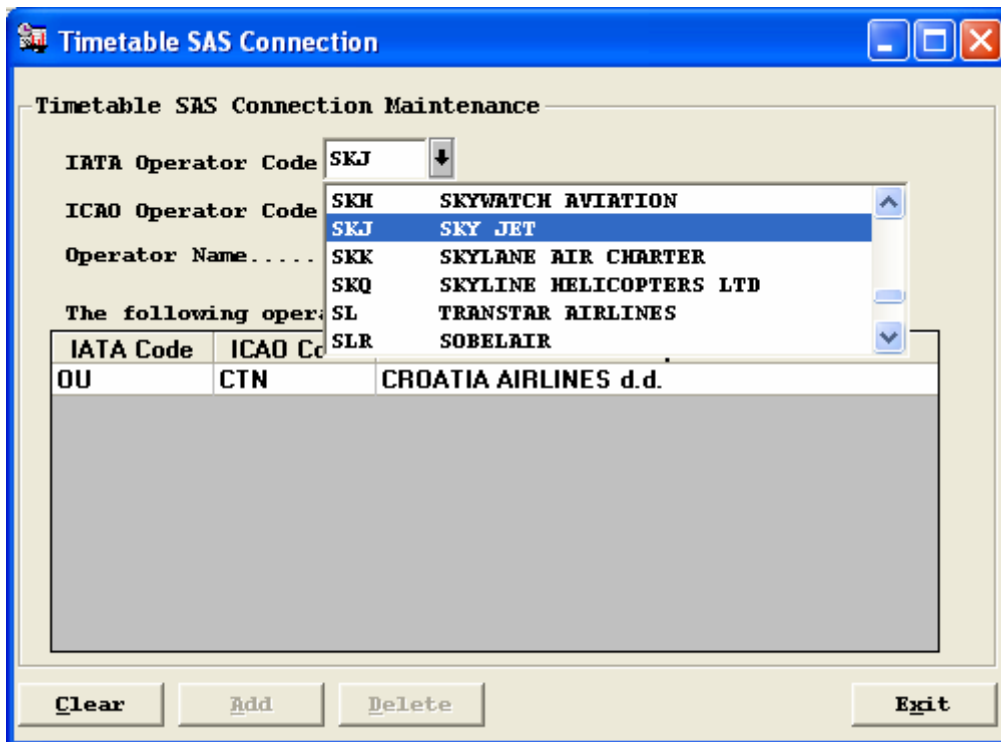
Description

IATA Operator Code	- IATA - code of operator
ICAO Operator Code	- ICAO - code of operator
Operator Name	- Explanatory text of operator
Clear	- Clear all fields
Add	- Add operator code
Delete	- Delete operator code
Exit	- Exit module

Search

To find a specific operator, follow the instructions below:

In the field for **IATA Operator CODE**, or alternatively, **ICAO Operator Code**, type the first character of the code you are searching for. If you do not know the IATA or the ICAO code, you can also search for the name in plain text in the field **Operator Name**. Alternatively, if you lack all information regarding the selection, click the button marked with an arrow next to the field, to highlight a list of selections.



As soon as you start typing, an explanatory window is opened, and simultaneously as you type the second character the list is reduced to match your search. When you have located the code or name of your search, mark it and press **<Enter>** (or double-click on the list).

Add

To add an operator to the processed operator list find the operator as described in section Search. When the operator is located press the **Add** button. The selected operator appears at the end of the list.

Timetable SAS Connection Maintenance

IATA Operator Code

ICAO Operator Code

Operator Name.....

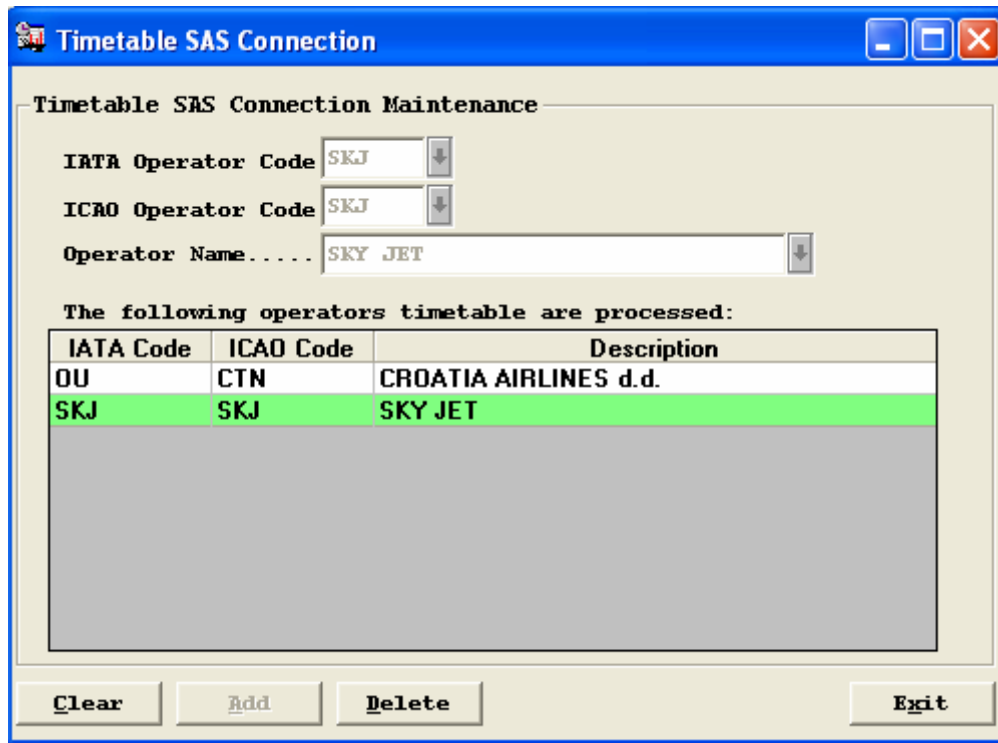
The following operators timetable are processed:

IATA Code	ICAO Code	Description
OU	CTN	CROATIA AIRLINES d.d.
SKJ	SKJ	SKY JET

Clear **Add** **Delete** **Exit**

Delete

To delete an operator from the processed operator list, highlight the operator and press the **Delete** button.

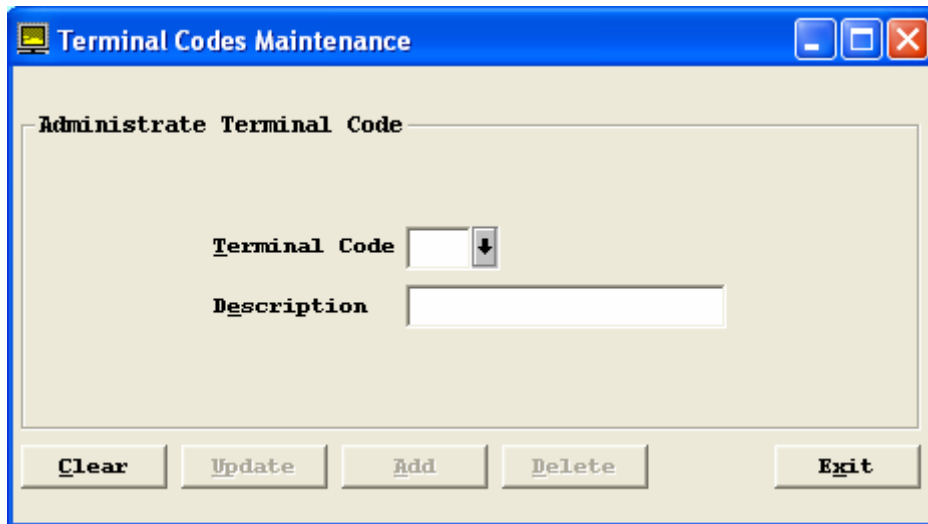


The selected operator will disappear from the processed operator list

TERMINAL CODES

To administrate terminal codes for the airport, the module to use is *Terminal Codes Maintenance*.

Terminal Codes Maintenance is used to create, update or delete terminal codes. You can also use *Terminal Codes Maintenance* to seek information regarding a specific terminal code.



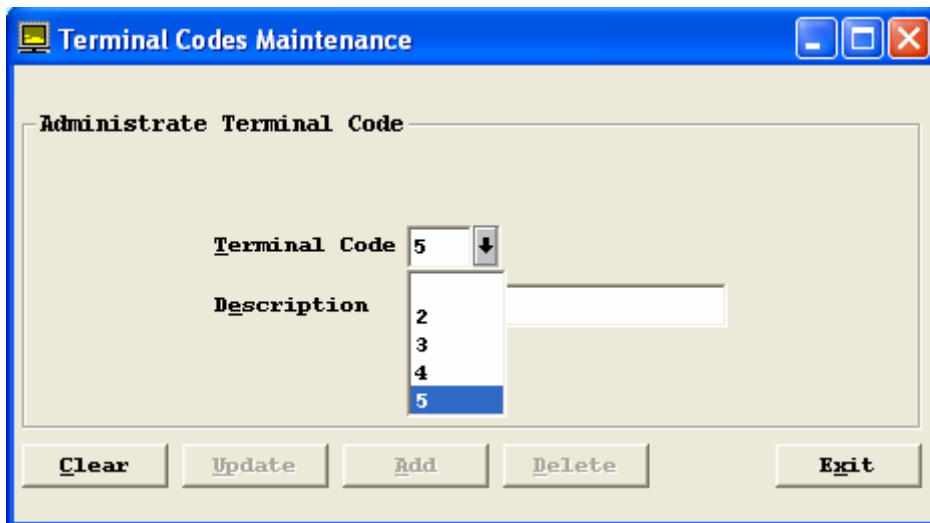
Description

Terminal Code	- Code of terminal
Description	- Explanatory plain text description
Clear	- Clear all fields
Update	- Update fixed files
Add	- Add terminal code
Delete	- Delete terminal code
Exit	- Exit module

Search

To find a specific terminal code, follow the instructions below:

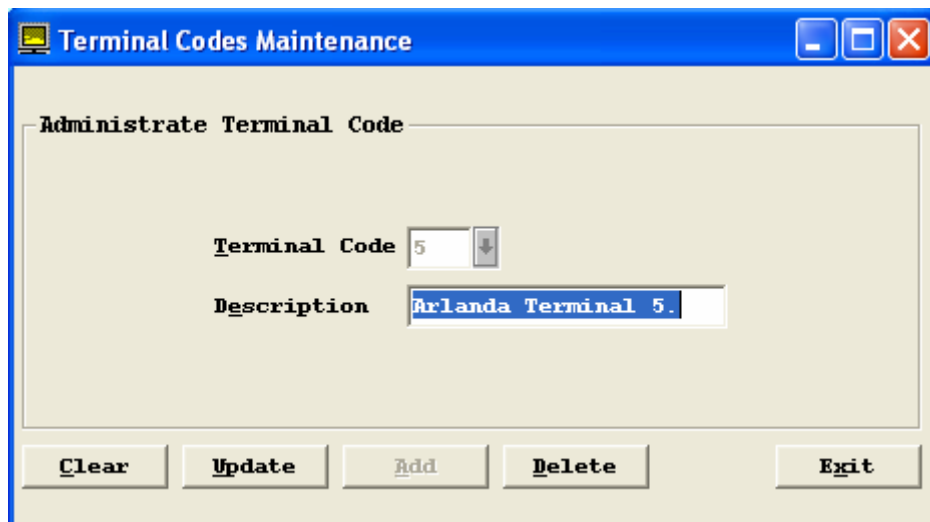
In the field for **Terminal Code** you type the first character of the terminal code you are searching for. Alternatively, if you lack all information regarding the selection, click the button marked with an arrow next to the field, to highlight a list of selections.



As soon as you start typing, an explanatory window is opened, and simultaneously as you type the second character the list is reduced to match your search. When you have located the terminal code of your search, mark it and press <Enter> (or double-click in the list).

Update

If you wish to change any data in the fields for **Terminal Codes Maintenance** make necessary changes and click **Update**.



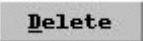
Create

If information is missing regarding a specific terminal, you can update the fixed files with the missing information:

In the field **Terminal Code**, type the correct terminal code and press <TAB>.

Add the missing data and validate by clicking **Add**.

Delete

To delete a terminal code, you simply locate the terminal code you wish to delete, mark it in the list and click .

TIME DIFFERENCE MAINTENANCE

There are several modules in SAFIR where you can choose to enter or display time in local time or in UTC (ZULU) time. The time difference between local time and UTC time varies depending on if the local time is adjusted for summer time or wintertime. If SAFIR is to display the correct time, this time difference must be specified. You do this by entering end date and end time for which a certain time difference is valid.

Description

End Date (YY-MM-DD)	- Expire date (Year-Month-Date)
End Time	- Expire time
Zulu/Local Diff	Hourly difference between local time and Greenwich Meridian Time, a.k.a Z-time
Clear	- Clear all fields
Update	- Update
Add	- Add information
Delete	- Delete information
Exit	- Exit module

Search

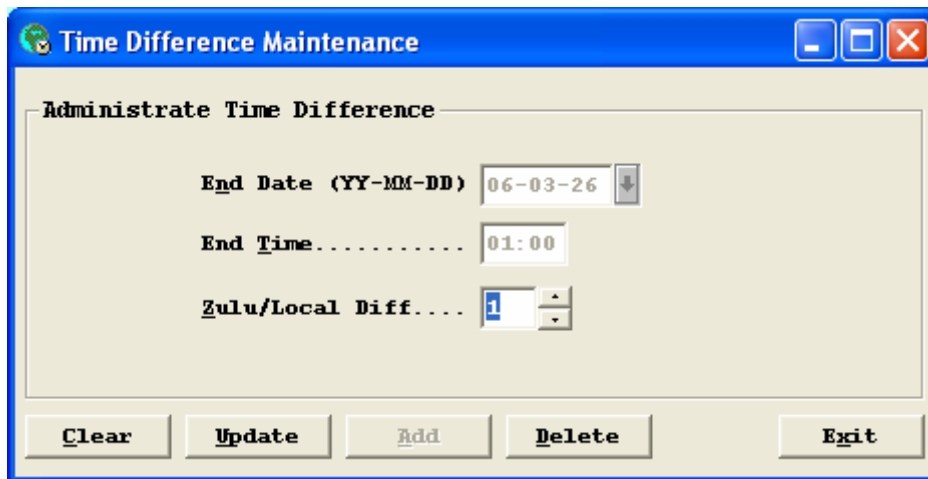
To find a specific end date for a time difference, follow the instructions below:

In the field for **End Date** you type the first character of the year in the date you are searching for. Alternatively, if you lack all information regarding the selection, click the button marked with an arrow next to the field, to highlight a list of selections.

As soon as you start typing, an explanatory window is opened, and simultaneously as you type the second character the list is reduced to match your search. When you have located the date of your search, mark it and press <Enter> (or double-click in the list).

Update

If you wish to change any data in the fields for **Local UTC/Time Maintenance** make necessary changes and click **Update**.



The screenshot shows a Windows-style dialog box titled "Time Difference Maintenance". The main content area is titled "Administrate Time Difference" and contains three input fields: "End Date (YY-MM-DD)" with the value "06-03-26", "End Time....." with the value "01:00", and "Zulu/Local Diff...." with the value "1". Below the input fields are five buttons: "Clear", "Update", "Add", "Delete", and "Exit".

Delete

To delete information regarding time difference, you simply locate the information you wish to delete, mark it in the list and click **Delete**.

TRANSIT FLIGHTS

Under *Transit Flights Maintenance*, you administrate transit flights.

Description

Dates/Season	
Start Date	- Start date of transit flight
End Date	- End date of transit flight
Season	- Valid season

Items

Flight

- Operator:** - Airline
- Flight No:** - Flight number

Nature

- International** - International
- Domestic** - Domestic
- Schengen** - Schengen
- European** - European

Created

- User:** - Agent who created flight
- Date:** - Date of creation

Search

- Search

Clear

- Clear all fields

Add

- Add information

Delete

- Delete information

Obssolete

- Obsolete

Exit

- Exit

Details

- Specifics of transit flight

Flight

- Flight

From

- Departure from

To

- Bound for

Nature

- Type of flight

User

- Agent who created flight

Created

- Date of creation

UNITS OF MEASURE

Under *Units of Measure Maintenance* administration of length, weights, currency, volume etc. for SAFIR calculations is done.

Description

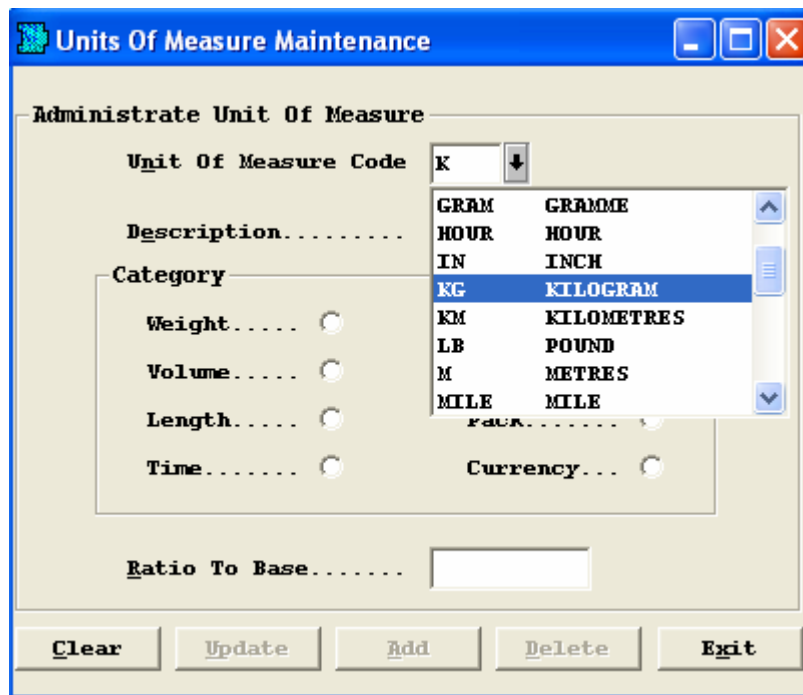
Unit of Measure Code	- Code of measurement
Description	- Explanatory plain text explanation
Category	
Weight	- Weight
Volume	- Volume
Length	- Length
Time	- Time
Area	- Area
Units	- Units
Pack	- Pack
Currency	- Currency
Ratio To Base	- Proportion

C lear	- Clear all fields
U ppdate	- Update fixed files
A dd	- Add unit
D elate	- Delete unite
E xit	- Exit module

Search

To find a specific measurement code, follow the instructions below:

In the field for **Unit Of Measure Code** you type the first character of the measurement code you are searching for. Alternatively, if you lack all information regarding the selection, click the button marked with an arrow next to the field, to highlight a list of selections.



As soon as you start typing, an explanatory window is opened, and simultaneously as you type the second character the list is reduced to match your search. When you have located the measure code of your search, mark it and press <Enter> (or double-click in the list).

Update

If you wish to change any data in the fields for **Units Of Measure Maintenance** make necessary changes and click **Update**.

Units Of Measure Maintenance

Administrate Unit Of Measure

Unit Of Measure Code: KG

Description: KILOGRAM

Category:

- Weight
- Volume
- Length
- Time
- Area
- Units
- Pack
- Currency

Ratio To Base: 1

Buttons: Clear, Update, Add, Delete, Exit

Create

If information is missing regarding a specific measure code, you can update the fixed files with the missing information:

In the field **Unit OF Measure Code**, type the correct measure code and press **<TAB>**.

Add the missing data and validate by clicking **Add**.

Delete

To delete a measurement code, you simply locate the code you wish to delete, mark it in the list and click **Delete**.

USER, GROUPS AND ACCESS

Users, groups, departments and their rights and access to SAFIR are administrated under *User, Groups and Access Maintenance*. *User, Groups and Access Maintenance* contains of three folders: **Users**, **Department** and **Modules**. The folder **Users** isolated contains of additional seven folders: **General**, **ViewMaster**, **Handling groups**, **Module Access**, **Message Editor**, **Important Information** and **SCORE**.

Users

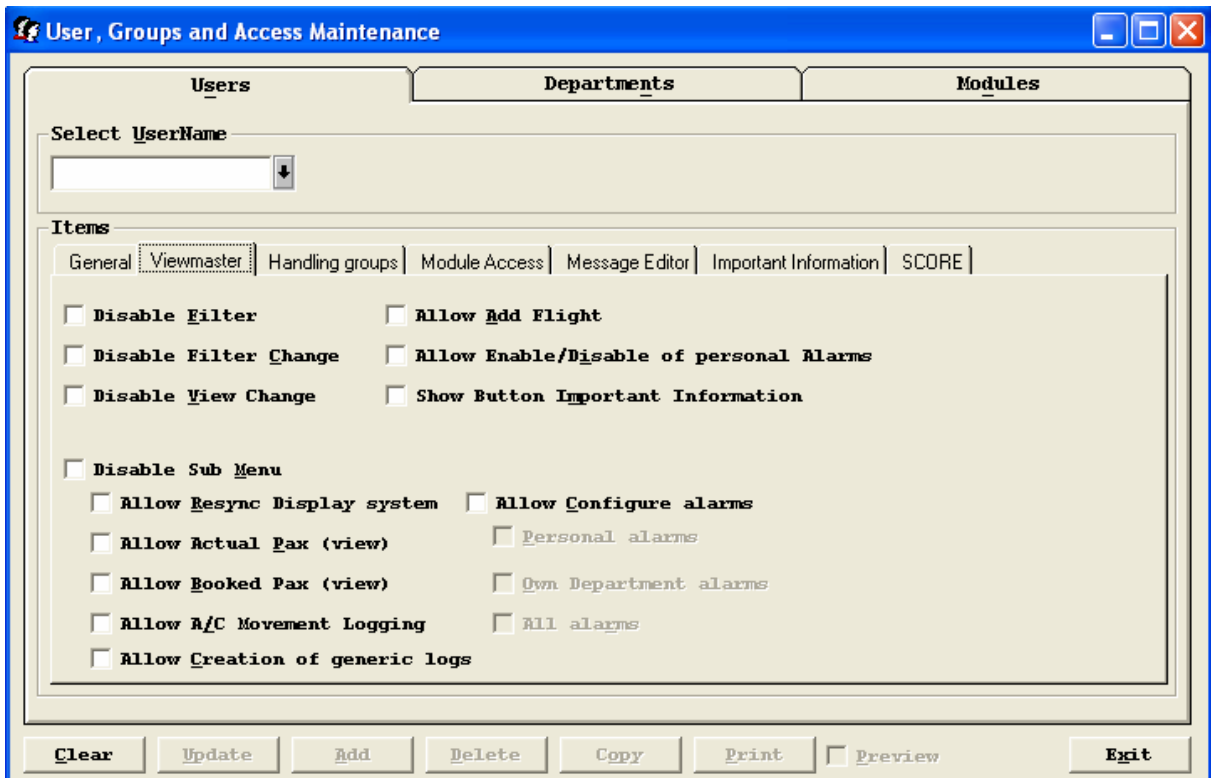
General

In the folder General you will find information that is general for a specific user and/or function.

Description

Department:	- Department of SAFIR user company
Password:	- Password
Confirm Password:	- Retype password
Default User View:	- Standard view for user

Default User Filter:	- Standard filter for user
Clear	- Clear
Update	- Update data
Add	- Add information
Delete	- Delete information
Copy	- Copy information
Print	- Print user details
Exit	- Exit



ViewMaster

ViewMaster folders are used to per user and/or function, administrate rights and access to ViewMaster.

Description

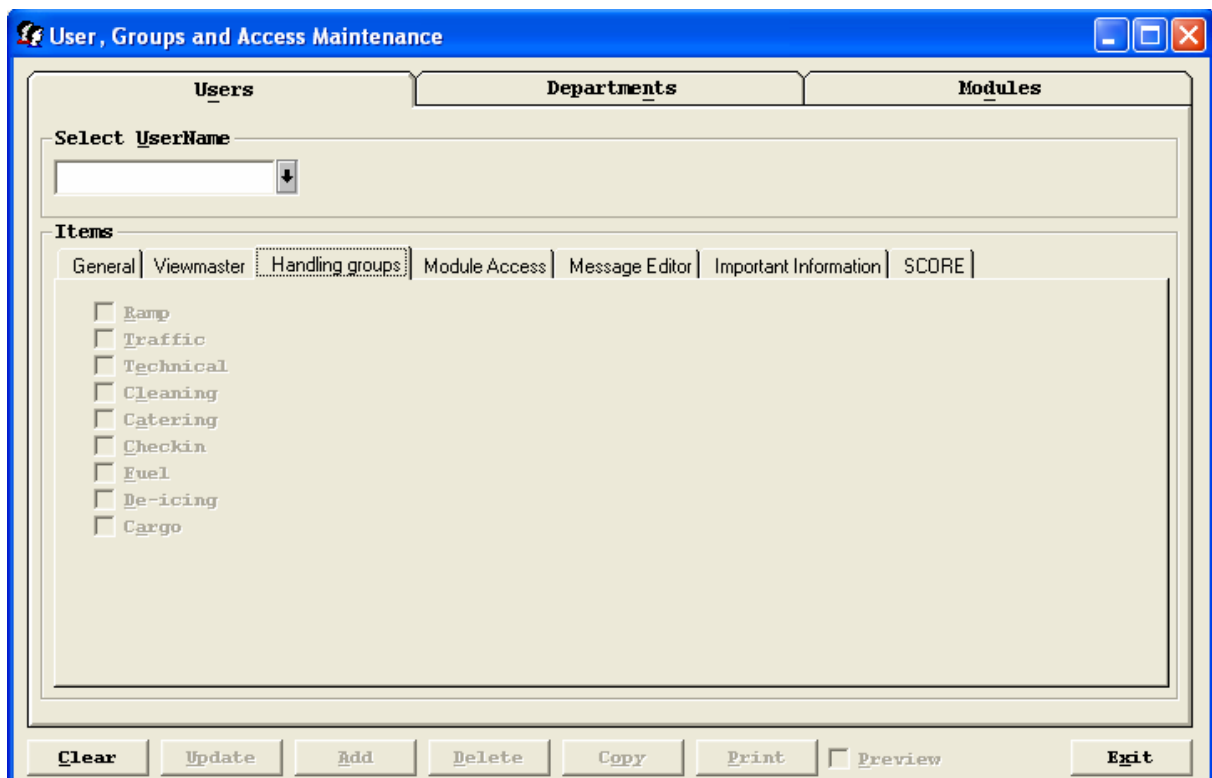
Disable Filter:	- Delete access to filters for user
Disable Filter Change:	- Delete possibility to change filters

Disable View Change:	- Delete possibility for user to change view
Disable Sub menu:	- Delete possibility for user to view sub-menu
Allow Add Flight:	- Allow user to be able to create flight
Allow Resync Display system:	- Allow user to resync the display systems.
Allow Actual Pax (View):	- Allow actual pax in view
Allow booked Pax (View):	- Allow booked pax I view
Allow A/C movement logging	- Allow user to logg Aircraft ground movments.
Allow Creation of Generic logs	- Allow the user to save Generic log definitions.
Allow Enable/Disable of personal alarms.	- Allow the user to enable and disable alarms targeted to the user.
Show button Important Information	- Show the start button for Important Information in the Viewmaster toolbar.
Allow Configure Alarms	- Allow the user to configure alarms in Viewmaster.
Personal alarms	- Allow the user to configure personal alarms in Viewmaster.
Own Department alarms	- Allow the user to configure alarms in Viewmaster targeted to users own Department.
All alarms	- Allow the user to configure alarms in Viewmaster targeted to All users.

C lear	- Clear
U ppdate	- Update data
A dd	- Add information
D el e te	- Delete information
C opy	- Copy information
P rint	- Print user details
E xit	- Exit

Handling Groups

Under the folder **Handling Groups** you specify handling group belonging. Is the user belonging to the ramp, traffic office, cleaning or anything else? May be several groups.



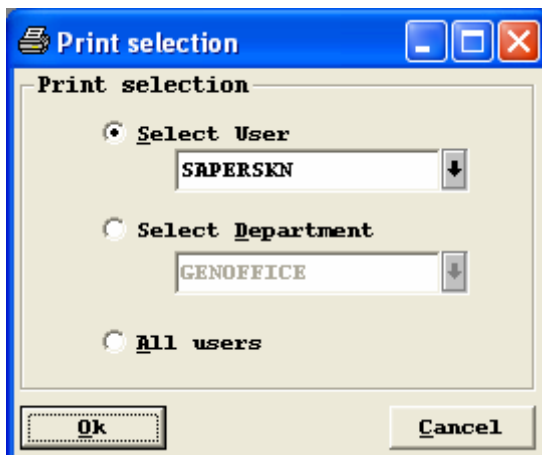
Description



Ramp:	- Ramp staff
Traffic:	- Traffic office staff
Technical:	- Technical department staff

Cleaning:	- Cleaning department staff
Catering:	- Catering staff
Checkin:	- Check In Staff
Fuel:	- Fule handler
De-Icing:	- De-icing handler
Cargo:	- Cargo handler
Clear	- Clear
Update	- Update data
Add	- Add information
Delete	- Delete information
Copy	- Copy information
Print	- Print user details
Print Preview:	- Previw before sending page(s) to printer.
Exit	- Exit

Print functionality

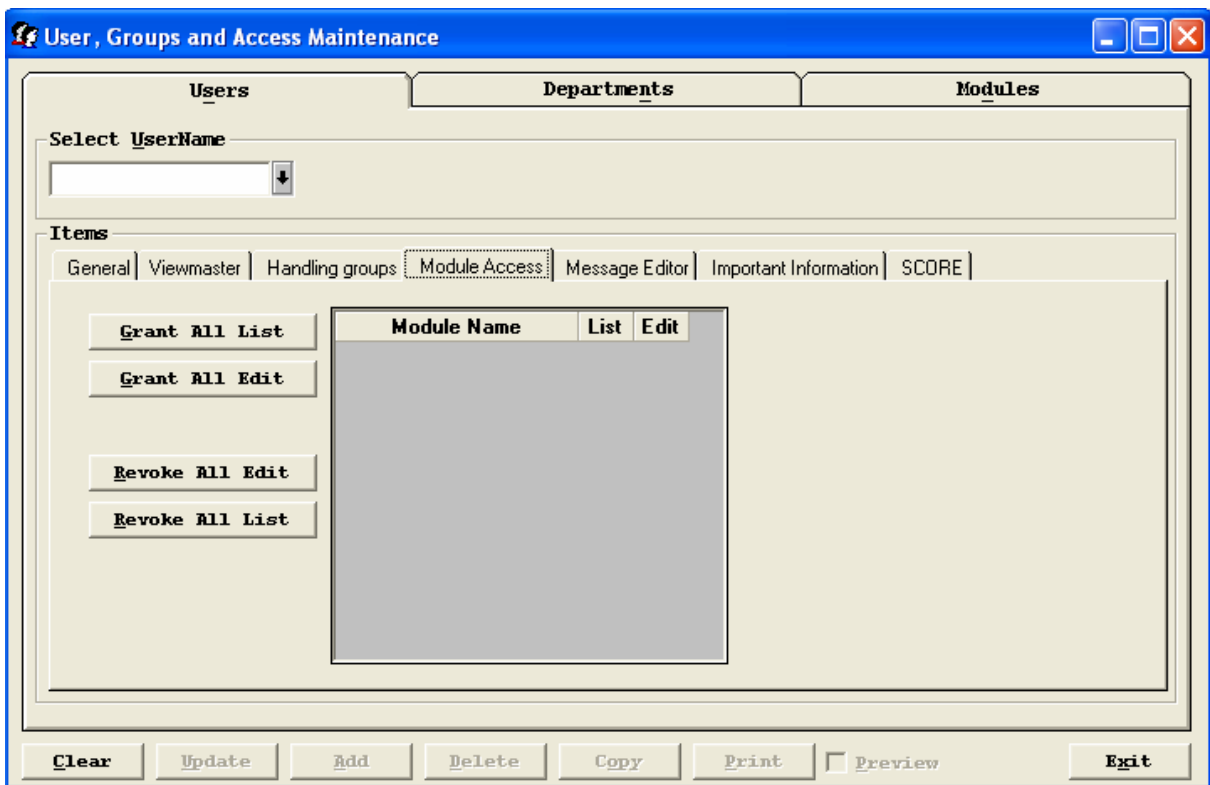
When displaying data about a SAFIR user there is a possibility to print the users access levels or access levels for a department or for all user. After clicking the **Print** button a new selection form is displayed.





Select User:	- Select one user to print. Default is selected user.
Select Department:	- Select to print all user belonging to a department. Default is selected users department
All users:	- Print all SAFIR users access levels.
	- Cancel print.
	- Send selection to printer.

Module Access

Under folder **Module Access** you specify which modules in SAFIR those are to appear on the menus for each user and/or function.



Description

	- Give edit and list access to all menus
	- Deny edit and list access to all menus

Grant All List	Give list access to all menus
Revoke All List	Deny list access to all menus
Module Name:	- Name of module
List:	- List of names
Edit:	- Edit list
Clear	- Clear
Update	- Update data
Add	- Add information
Delete	- Delete information
Copy	- Copy information
Print	- Print user details
Exit	- Exit

Message Editor

Under folder **Message Editor** you specify rights and access to user and/or function in the **Message Editor**. You can either give the user and/or function the right to view all messages or alternatively the ability to send messages.

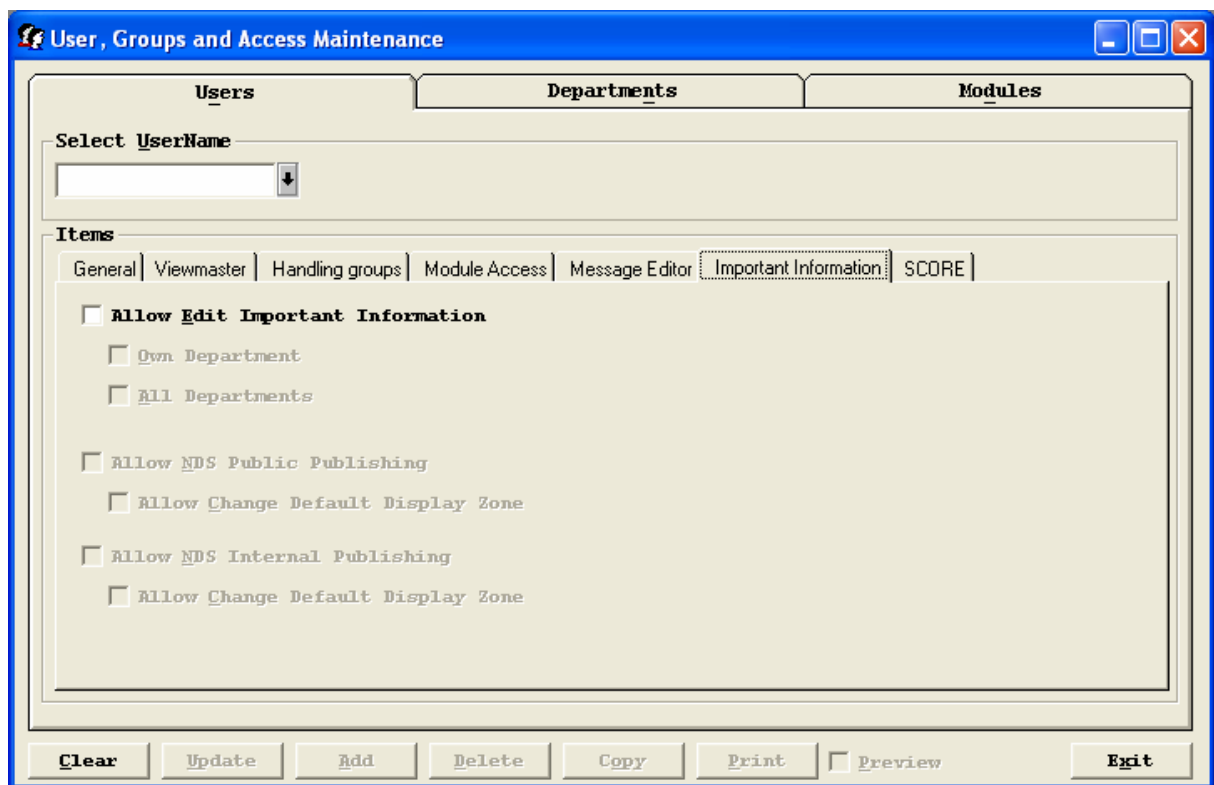
Description

View All Messages:	- View all messages
Password:	- Password in order to view messages
Send Messages:	- Send messages
Password:	- Password in order to send messages

C lear	- Clear
U ppdate	- Update data
A dd	- Add information
D elete	- Delete information
C opy	- Copy information
P rint	- Print user details
E xit	- Exit

Important Information

Under folder **Important Information** you specify rights and access to user and/or function in the **Important Information** modul. You can either give the user and/or function the right to edit or view messages in SAFIR and/or NDS.



Description

Allow Edit Important Information:	- Access to edit information
--	------------------------------

Own Department:	-	Access to edit information for users own department
All Departments:	-	Access to edit information for all departments
Allow NDS public publishing:	-	Access to publish information to public zones in NDS
Allow change Default public zone	-	Access to change the default public zone.
Allow NDS internal publishing:	-	Access to publish information to internal zones in NDS
Allow change Default internal zone	-	Access to change the default internal zone.
Update	-	Update data
Add	-	Add information
Delete	-	Delete information
Copy	-	Copy information
Print	-	Print user details
Exit	-	Exit

SCORE

Under folder **SCORE** you specify rights and access to user and/or function in the **SCORE** modul. You can either give the user the right generate new SCORE calenders or not.

Description

Allow Generate SCORE Calender:	- Access to generate new SCORE calenders.
Update	- Update data
Add	- Add information
Delete	- Delete information
Copy	- Copy information
Print	- Print user details
Exit	- Exit

Department

Under folder **Department** you define departments and their rights in SAFIR. In the field **select Department** you type the name of the department.

Description

Description:	- Plain language description
Handler Code:	- Specify to which handler a specific department is originating.
Times	- Times applicable for handler
Local:	- Local time
UTC:	- Greenwich Meridian Time
Codes	- Codes applicable for handler
IATA	- IATA
ICAO	- ICAO
Flight Delete	- Possibility to delete flight

Allow	- Marked if applicable
Important Information Default values and Access	- Default access and values for Important Information
Allow publish in SAFIR	- Allow users of this department to publish information in SAFIR
Allow NDS public publishing	- Allow users of this department to publish public information in NDS
Zone	- Default zone for public information
Allow NDS Internal publishing	- Allow users of this department to publish Internal information in NDS
Zone	- Default zone for Internal information
Display this Infoamtaion for..	- Display time in minuits for NDS information.
Highlight this Information for..	- Highlight time in minuits for NDS information.
Priority	- Priority for this message.
Update	- Update data
Add	- Add information
Delete	- Delete information
Print	- Print user details
Exit	- Exit

Modules

Under **Modules** you define the names of the different modules in SAFIR, and under what menu these shall be located.

In field for **select Module** write the name of the module

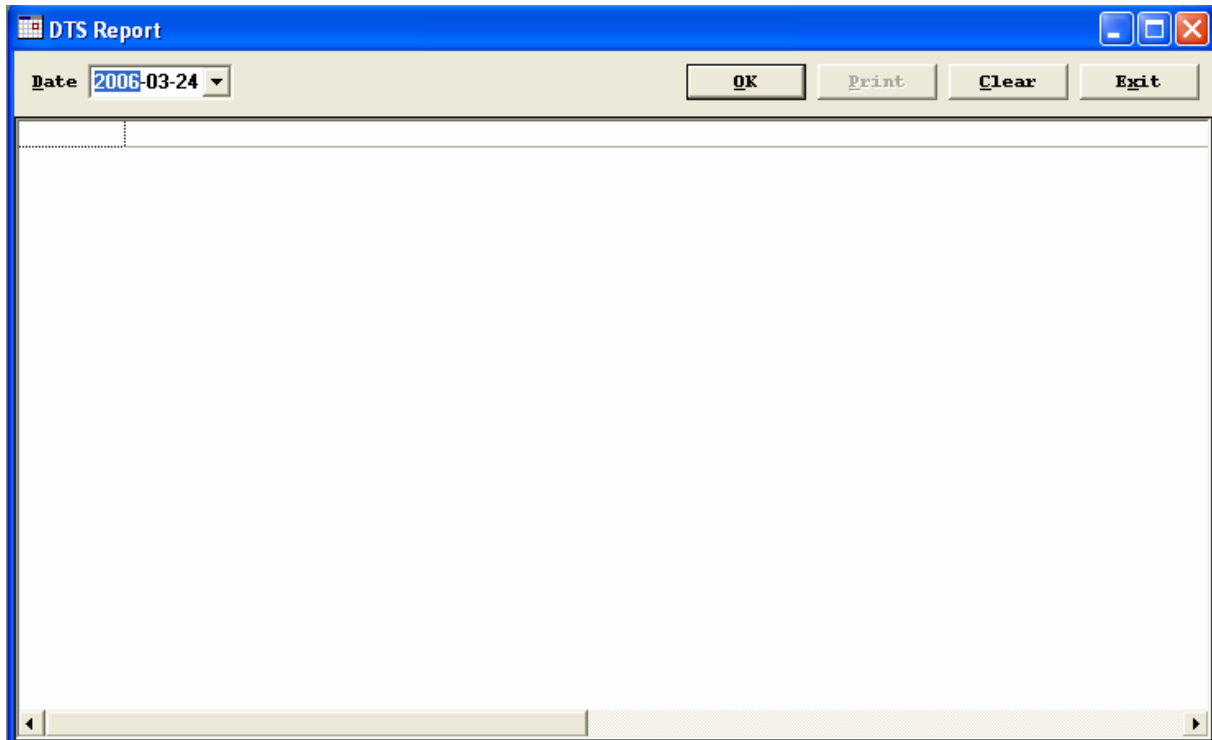
Description

Items	
VB Form / VB Menu Caption:	- VB Form/ VB Menu
VB Form Name:	- VB Form name
Id:	- Agent ID
Administration Module	- Access to administration module
Main Administration Module	- Access to Main Administrations Module.
Clear	- Clear
Update	- Update data
Add	- Add information
Delete	- Delete information
Print	- Print user details
Exit	- Exit

DTS REPORT

In order to get a survey over the daily traffic generated through SAFIR, you can under **DTS Report** (Daily Traffic Survey) compile and print such a report.

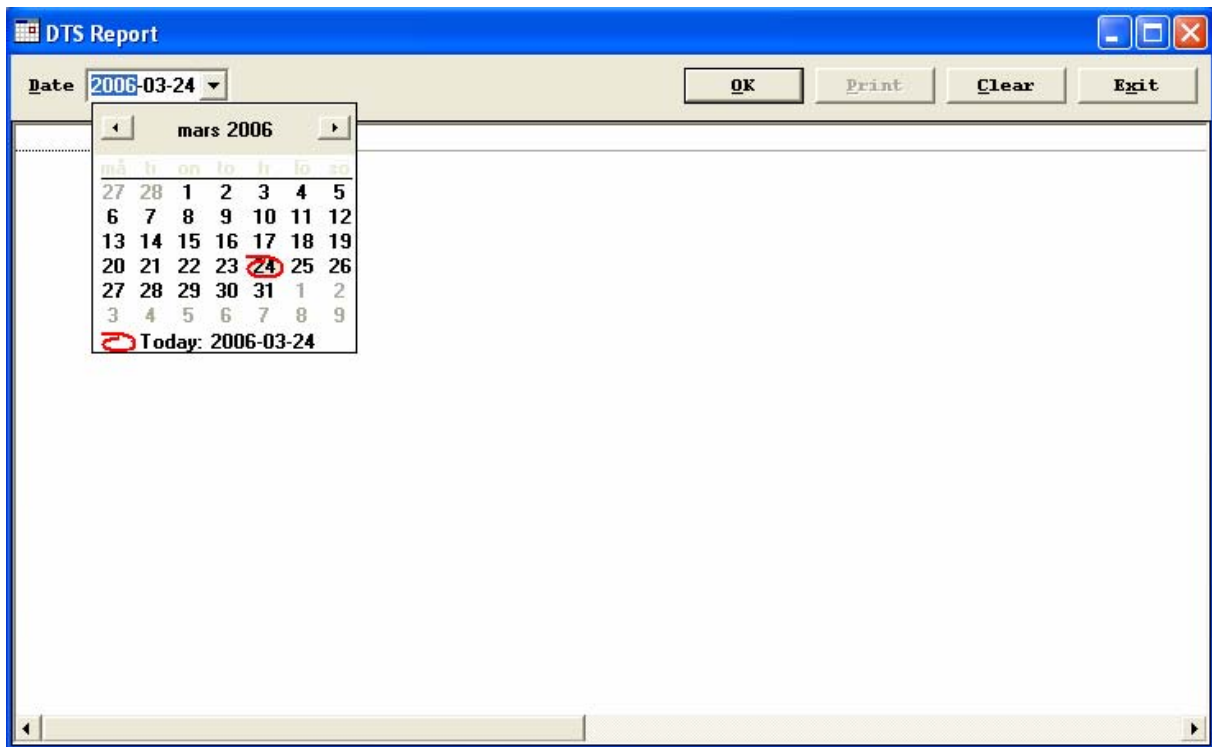
In the menu under SAFIR you will find DTS Report



To generate a DTS you need to do two steps:

1. Enter a date of your choice

Reference Manual



2. Click .

The screenshot shows the 'DTS Report' window with a date of '2004-02-17' and 'Traffic Handler: ALL'. The window contains a table with the following columns: FLIGHT, REG, A/C TYPE, A/D, ROUTE, ATO, CARGO, CARGO DOM, MAIL, MAIL DOM, PAX, INF, PAX DOM, INF DOM, TRA, and TRF. The table lists various flight details for that date.

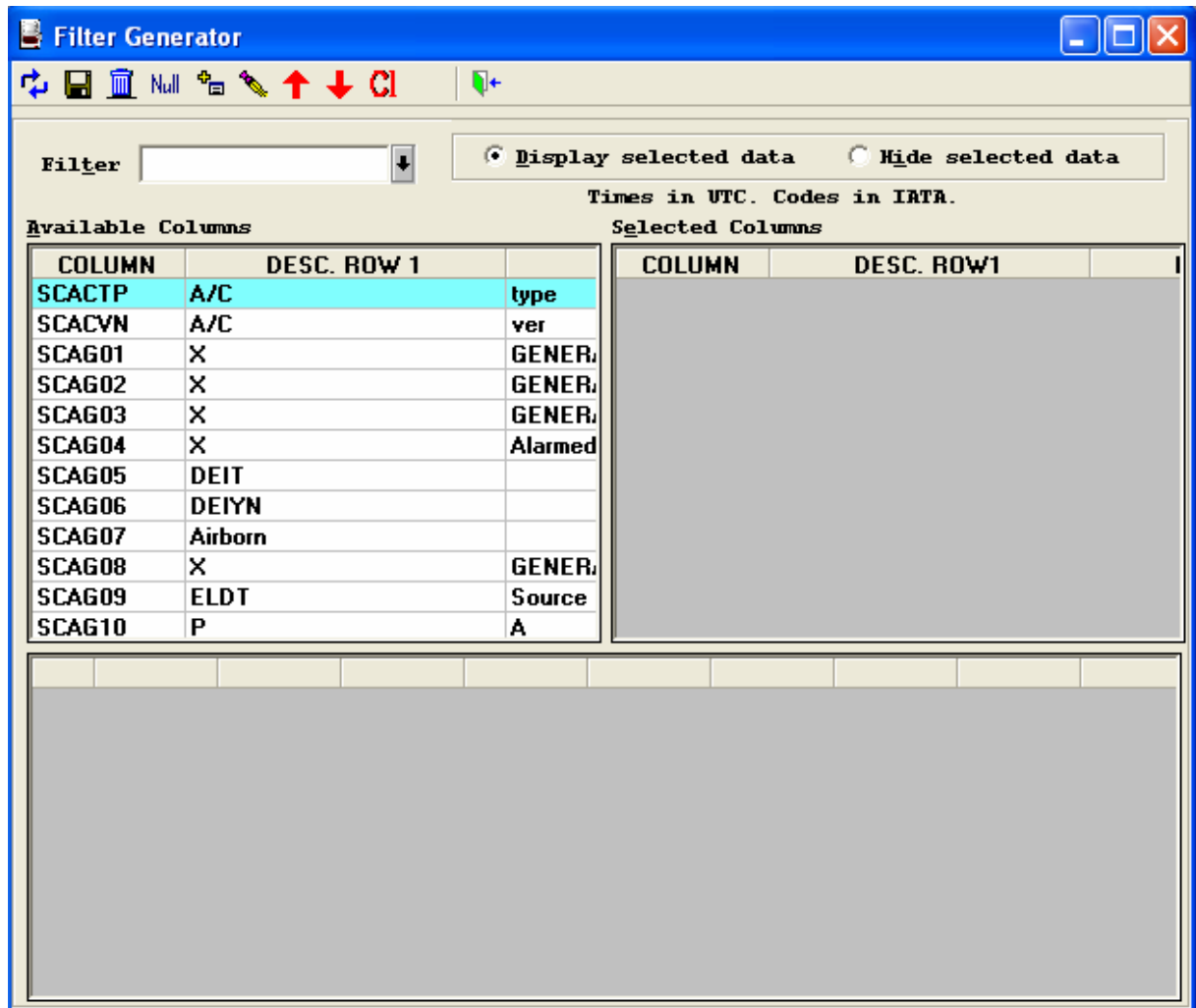
FLIGHT	REG	A/C TYPE	A/D	ROUTE	ATO	CARGO	CARGO DOM	MAIL	MAIL DOM	PAX	INF	PAX DOM	INF DOM	TRA	TRF
TF003	SEDST	AR1	D	GOT	06:07/17					0	0	0	0		
TF004	SEDSU	AR1	A	GOT	07:01/17					0	0	112	0		
TF005	SEDSP	AR1	D	GOT	08:14/17					0	0	0	0		
TF006	SEDSP	AR1	A	GOT	07:35/17					0	0	108	0		
TF008	SEDST	AR1	A	GOT	08:15/17					0	0	106	0		
TF009	SEDSU	AR1	D	GOT	09:38/17					0	0	0	0		
TF012	SEDSU	AR1	A	GOT	11:49/17					0	0	46	0		
TF013	SEDSY	AR1	D	GOT	12:08/17					0	0	0	0		
TF014	SEDSY	AR1	A	GOT	14:20/17					0	0	49	0		
TF018	SEDSY	AR1	A	GOT	17:31/17					0	0	95	0		
TF021	SEDSY	AR1	D	GOT	15:10/17					0	0	0	0		
TF025	SEDST	AR1	D	GOT	16:11/17					0	0	0	0		
TF026	SEDSY	AR1	A	GOT	20:27/17					0	0	18	0		
TF029	SEDSY	AR1	D	GOT	18:07/17					0	0	0	0		
TF302	SEDSO	AR1	A	GOT	06:37/17					0	0	97	0		
TF302	SEDSO	AR1	D	UME	07:14/17					0	0	0	0	7	2
TF306	SEDSV	AR1	A	GOT	09:51/17					0	0	60	0		
TF306	SEDSV	AR1	D	UME	10:34/17					0	0	0	0	0	5
TF311	SEDSV	AR1	A	UME	13:26/17					0	0	15	0		
TF311	SEDSV	AR1	D	GOT	14:07/17					0	0	0	0	7	0

If you wish to print the list, simply click .

In order to clear the screen, simply click .











FILTER GENERATOR

Filter Generator is used to create and/or delete filters. Filters are more powerful tools to use than *Selection Criteria*, if the goal is to filter information. To get a more detailed explanation of columns available in *Filter Generator* see appendix "Column descriptions for Schedule file"



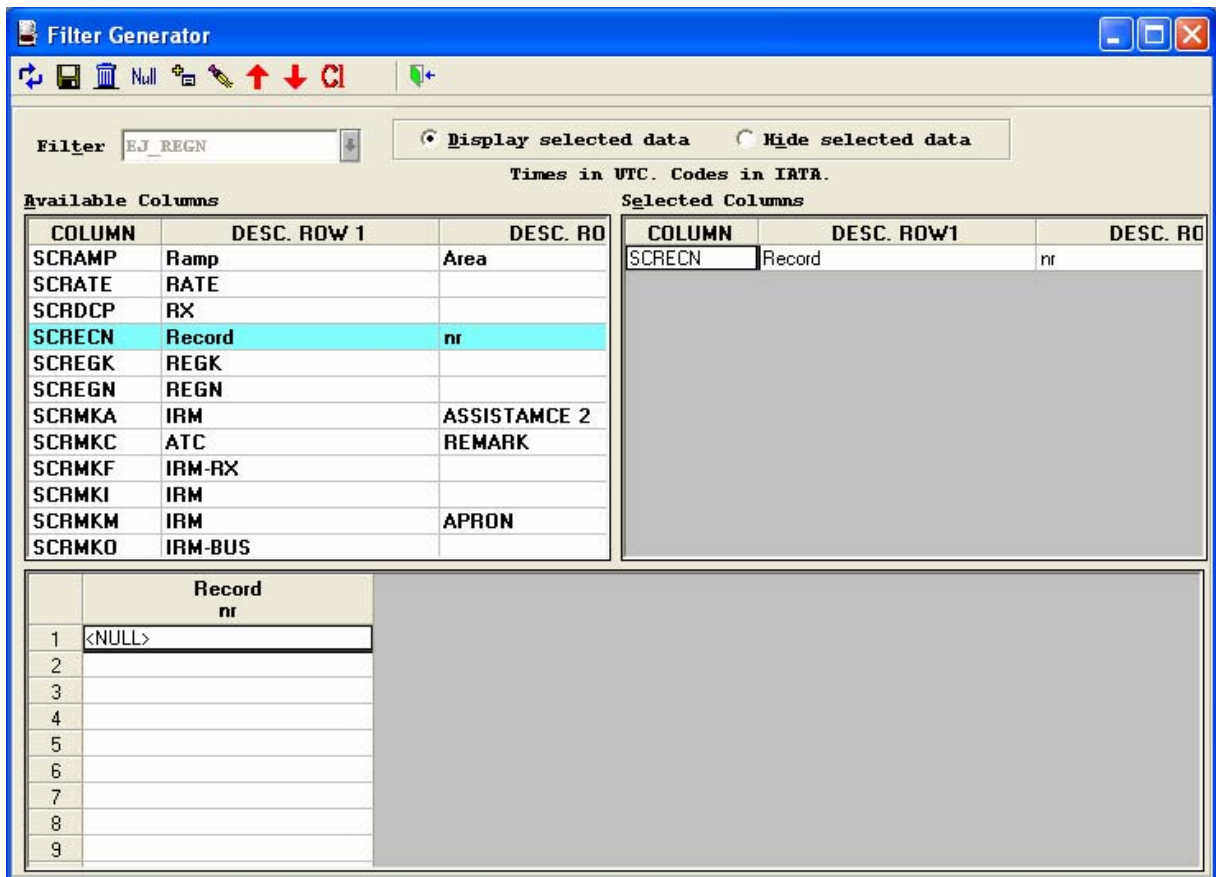
Description

Filter	- Name of the filter
Display selected data	- Marked if data is to be displayed
Hide selected data	- Marked if data is <u>not</u> to be displayed
Column	- Name of column (ViewMaster)
DESC. ROW 1	- Description of column (ViewMaster)

DESC. ROW 2	- Description of column (ViewMaster)
	- Refresh filter display.
	- Save filter settings
	- Delete filter
	- Activate/Deactivate "Null" value
	- Add selected column to filter
	- Delete selected column from filter
	- Move column order upwards
	- Move column orders downwards
	- Clear form
	- Exit module

Example

If you in ViewMaster would like to display all flights where a registration is missing, this operation is not possible to do through **Selection Criteria**, but by using a filter this is an easy task to fulfil.



If such filter is missing, it has to be created. To create a single filter is easy, the trick is to know if such a filter already exists, that exactly match your demands. Every user/function that has the right to create a filter has the possibility to name the filter after best ability. So be very specific when you create a new filter, so that other users can only by viewing the filter name can understand the purpose of it.

In the above example the chosen filter is named "EJ_REGN". The view is containing three windows; to the left a window is showing all columns that are available, to the right you will find the columns that the specific filter contains, and finally, at the bottom you will find a window with the values filtered from the right column.

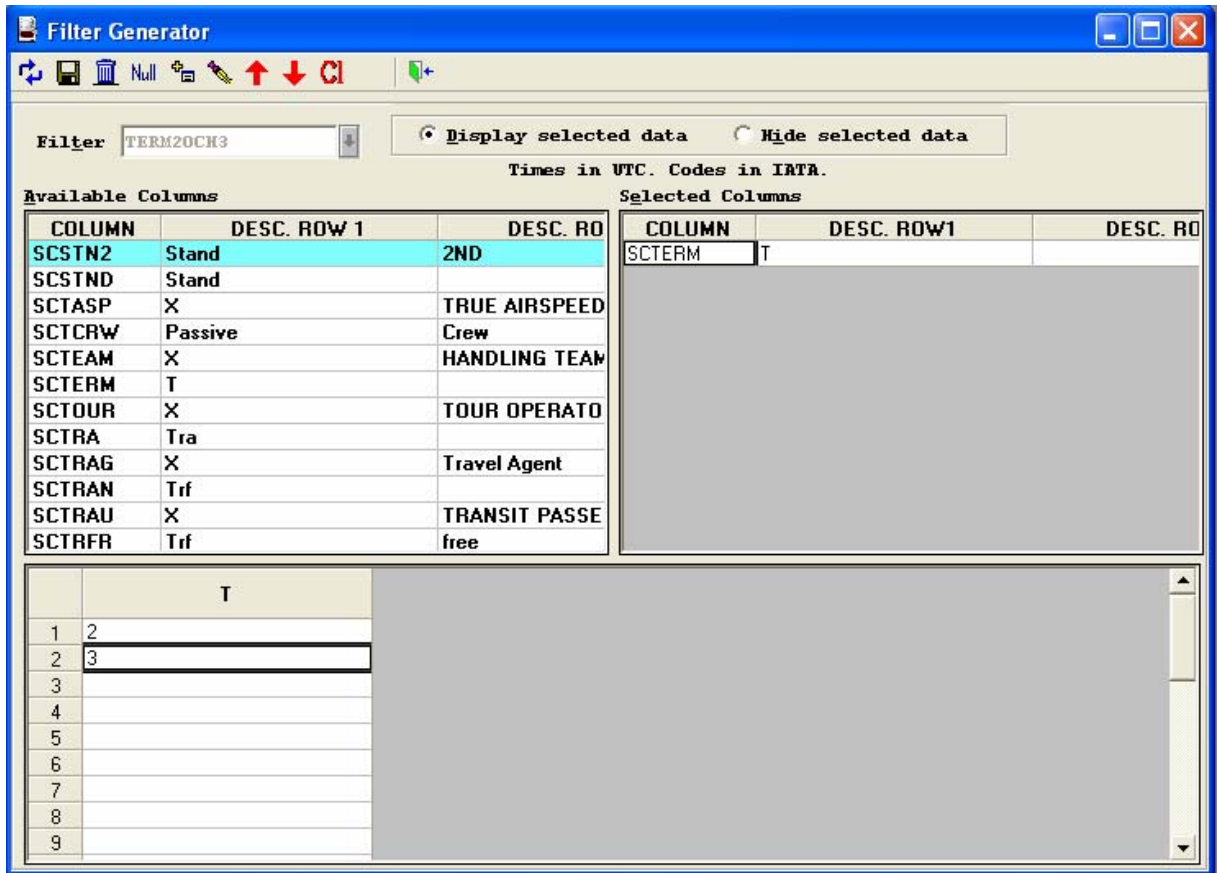
In the example we find that the filter is containing only one single column, and at the bottom you see that the values filtered is "Null" (e.g. SAFIR is supposed to look for an empty field).

When in ViewMaster choosing this filter, SAFIR looks through all flights (inbound and outbound), and checks if the column for A/C registration contains a "Null" value.

As you can see, **Display selected data**, is defaulted, which means that when the criteria is matched (e.g. no registration in the field), the flight is to be displayed in ViewMaster. Flight not fulfilling the criteria is not displayed.

Another example...

In this example you can see a filter used that is called "TERM2OCH3", and it is used to filter all flights inbound/outbound of Terminal 2 and 3.




You can see that the filter only contains one column named "TERM" (Terminal). The values that SAFIR is to look is either "2" or "3", and when the values are correct the flight is to be displayed.

If **Hide selected data** is marked instead, everything but the flight inbound/outbound Terminal 2 and 3 are displayed.

Create a new filter

You want to display all inbound/outbound flights, but do not want to see flights flown by SAS, which are operating with a Boeing 737-800.

You would in this case create a new filter that you name "Ej_SAS_B738". In the field for filter name, you write the name of the filter, and press **<TAB>**, to enable edit mode. In the left window you choose the columns that are to be in the filter, either by double-click on column name, or by marking the column name in the list, and then click Add selected column .

Find the column "SCOPER" and the column "SCACTP", and now is the time to set the values that SAFIR is supposed to look for.

In the bottom window you enter the value "SK" in the field under **Operator**, so that SAFIR shall look for SK (SAS) flights. In the field under A/C you write "738" (IATA code for Boeing 737-800)

Choose **Hide selected data** in order to tell SAFIR that you DON'T want to see the flight where criteria match.

The screenshot shows the 'Filter Generator' window with the following details:

- Filter:** EJ_SRS_B738
- Display selected data:** (Selected)
- Hide selected data:** (Unselected)
- Times in UTC. Codes in IATA.**

Available Columns			Selected Columns		
COLUMN	DESC. ROW 1	DESC. ROW 2	COLUMN	DESC. ROW 1	DESC. ROW 2
SCACTP	A/C	type	SCOPER	FLT	op
SCACVN	A/C	ver	SCACTP	A/C	type
SCAG01	X	GENERAL PURP			
SCAG02	X	GENERAL PURP			
SCAG03	X	GENERAL PURP			
SCAG04	X	Alarmed indicator			
SCAG05	DEIT				
SCAG06	DEIYN				
SCAG07	Airborn				
SCAG08	X	GENERAL PURP			
SCAG09	ELDT	Source			
SCAG10	P	A			

	FLT op	A/C type
1	SK	738
2		
3		
4		
5		
6		
7		
8		
9		

End operation by clicking  to save your filter.

HANDLING REPORT

Handling report is the tool to use for short time staff and equipment planning. The objectives with the *Handling report* is to simplify a creation of a report that is best suited for daily traffic dispatch.

Description

Operator	- Operator/Airline
Terminal	- Terminal
Agentcode	- Code of user
Start date	- Start date
End date	- End date
Start time	- Starting time of report
End time	- Ending time of report

Time	
Local	- Marked if applicable
UTC	- Marked if applicable
Nature	
International	- Flights to be included
Domestic	- International flights
Schengen	- Domestic flights
European	- Schengen flights
	- European (non-Schengen) flights
Flight Type	- For example chose c for charter flights or j for schedule flights.
Display	
Arrivals	- Arrivals
Departures	- Departures
Arr/Dep same row	- Arrivals and departures combined on same row
Include codeshare	- Include code share flights in selection
	- Get data
	- Export data to excel
	- Print hardcopy file
	- Clear all fields
	- Exit module

An example

If you want a list containing all schedule flights between 13:00 and 22:00, operating from Terminal 5 (inbound/outbound) with SAS as the handling agent, this is how you would do:

In **Operator** field make sure that **ALL** is displayed (for all airlines).

Choose **5** under **Terminal** for Terminal 5.

Under **Agentcode** choose **s**, for SAS.

Choose start date and end date.

In field **Start time** enter 1300.


In field **End time** enter 2200.

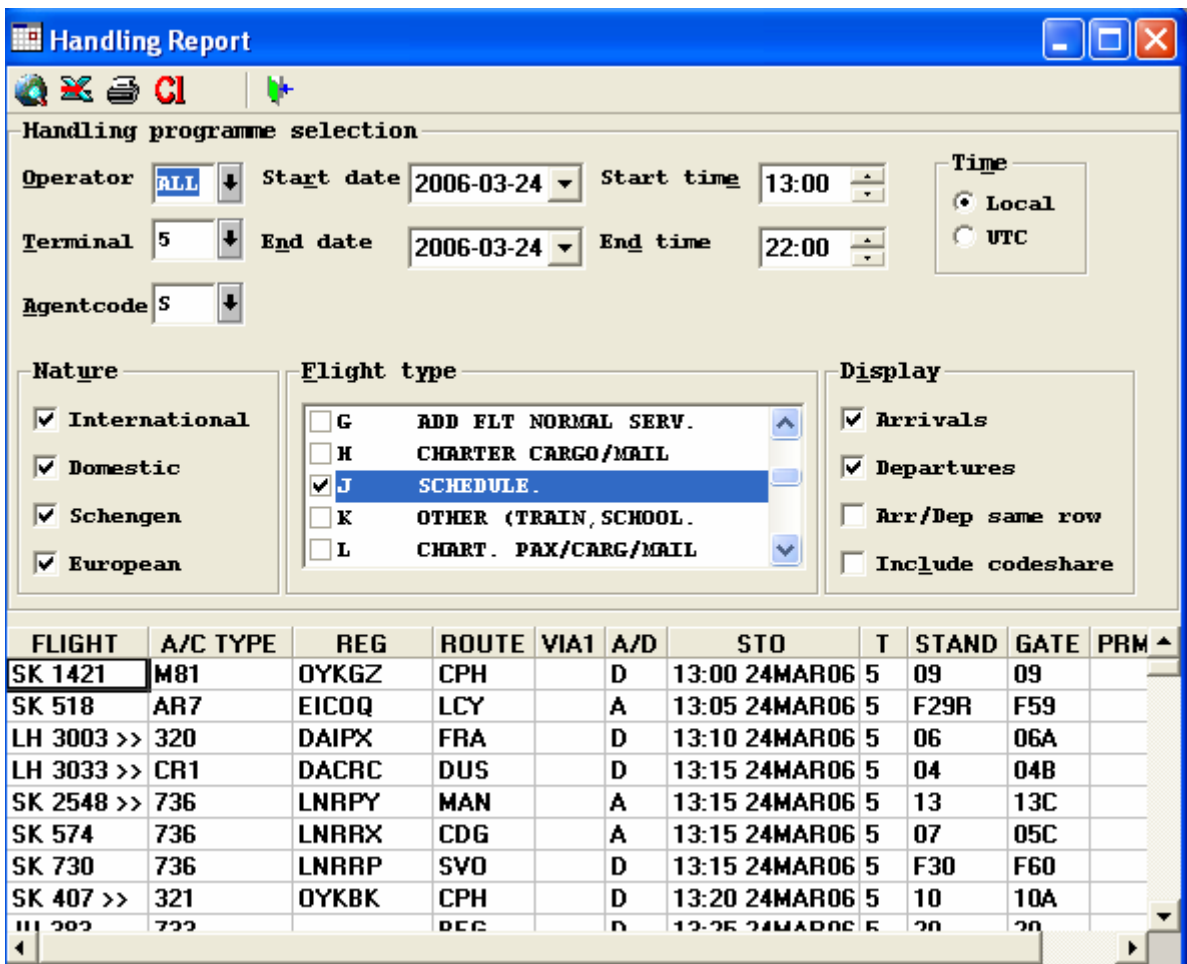
Chose if you want the time in local or UTC.

Under **Nature** choose the type of flights that you want to include in your list; in this case all should be marked.

Under **Flight Type** choose J.

Mark how you want the list to be displayed under **Display**, and in this example both arrivals and departures, not combined, are to be listed

When all criteria is chosen, click: 



Handling Report

Handling programme selection

Operator: **ALL** Start date: **2006-03-24** Start time: **13:00**
Terminal: **5** End date: **2006-03-24** End time: **22:00**
Agentcode: **S**

Time: Local UTC

Nature

- International
- Domestic
- Schengen
- European

Flight type

- G ADD FLT NORMAL SERV.
- H CHARTER CARGO/MAIL
- J SCHEDULE.
- K OTHER (TRAIN, SCHOOL.
- L CHART. PAX/CARG/MAIL

Display

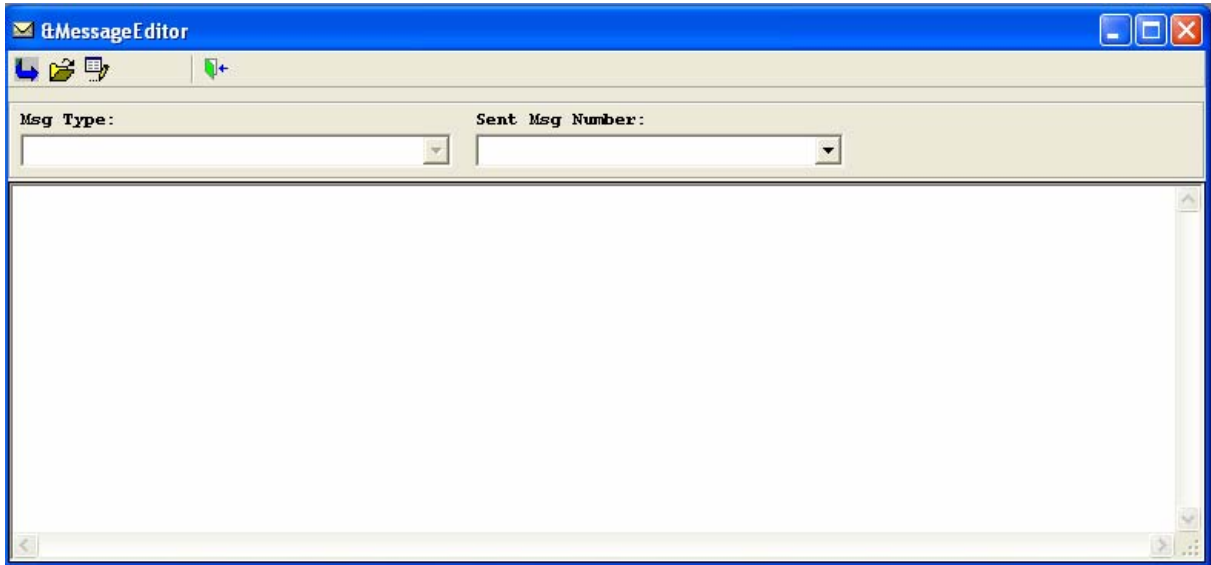
- Arrivals
- Departures
- Arr/Dep same row
- Include codeshare

FLIGHT	A/C TYPE	REG	ROUTE	VIA1	A/D	STO	T	STAND	GATE	PRM
SK 1421	M81	OYKGZ	CPH		D	13:00 24MAR06	5	09	09	
SK 518	AR7	EICOQ	LCY		A	13:05 24MAR06	5	F29R	F59	
LH 3003 >>	320	DAIPX	FRA		D	13:10 24MAR06	5	06	06A	
LH 3033 >>	CR1	DACRC	DUS		D	13:15 24MAR06	5	04	04B	
SK 2548 >>	736	LNRPY	MAN		A	13:15 24MAR06	5	13	13C	
SK 574	736	LNRRX	CDG		A	13:15 24MAR06	5	07	05C	
SK 730	736	LNRRP	SVO		D	13:15 24MAR06	5	F30	F60	
SK 407 >>	321	OYKBK	CPH		D	13:20 24MAR06	5	10	10A	
SK 302	732		BFC		D	13:25 24MAR06	5	20	20	






If you wish, you can print the list by clicking  or export data to excel by clicking .

MESSAGE EDITOR

Message Editor is used to view, edit and resend already sent telexes.



Description

Message Type	- Type of message (IATA-standard)
Sent Msg Number	- Message number
	- Process
	- Import file
	- Edit message
	- Print
	- Exit

SCHEDULE FILE QUERY REPORT

To print a report based on the views and the filters available in SAFIR, use the **Schedule File Query Report**. While it is not possible to print directly from the ViewMaster screen, it is possible to create reports built exactly as the views in ViewMaster with **Schedule File Query Report**.

The screenshot shows a Windows-style application window titled "ScheduleFileQueryReport". The window contains a "Schedule File Query Selection" section with the following controls:






- View:** A dropdown menu.
- Database:** A dropdown menu with "PRODUCTION" selected.
- Filter:** A dropdown menu.
- Include CodeShare**

There are two additional sections:

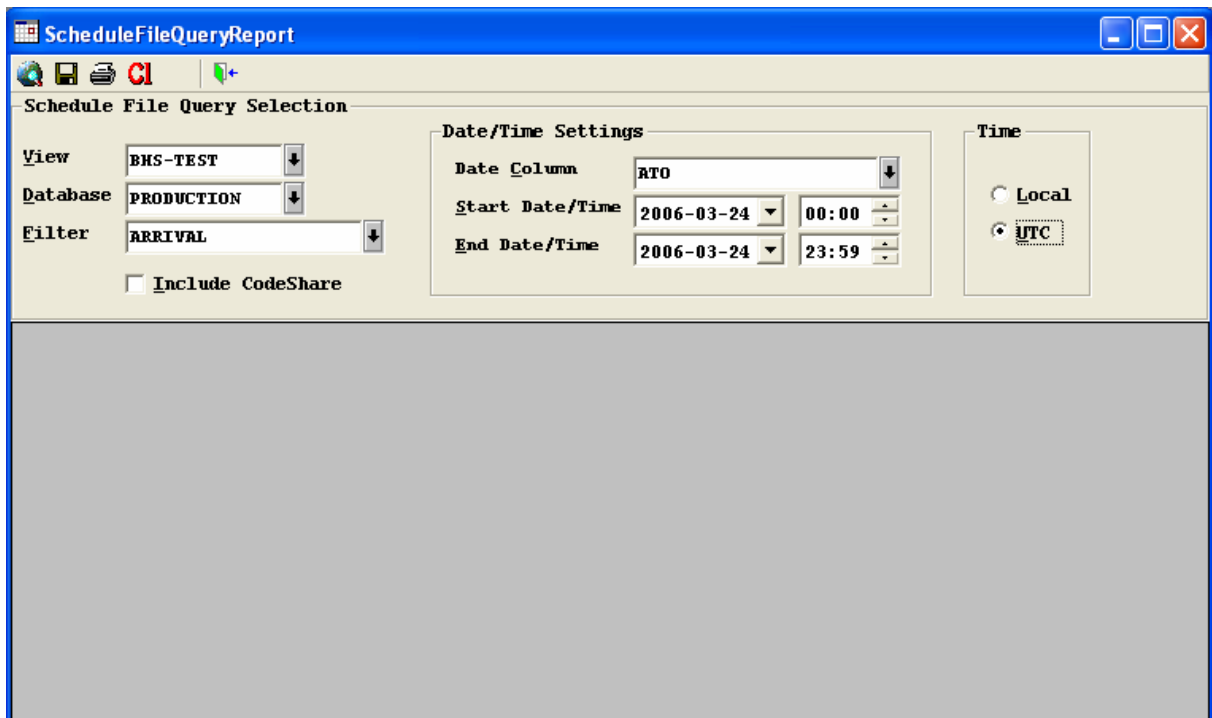
- Date/Time Settings:** A group box containing:
 - Date Column:** A dropdown menu.
 - Start Date/Time:** Two dropdown menus showing "2006-03-24" and "00:00".
 - End Date/Time:** Two dropdown menus showing "2006-03-24" and "23:59".
- Time:** A group box containing two radio buttons: "Local" (selected) and "UTC".

The main area of the window is a large, empty grey rectangle.

Description

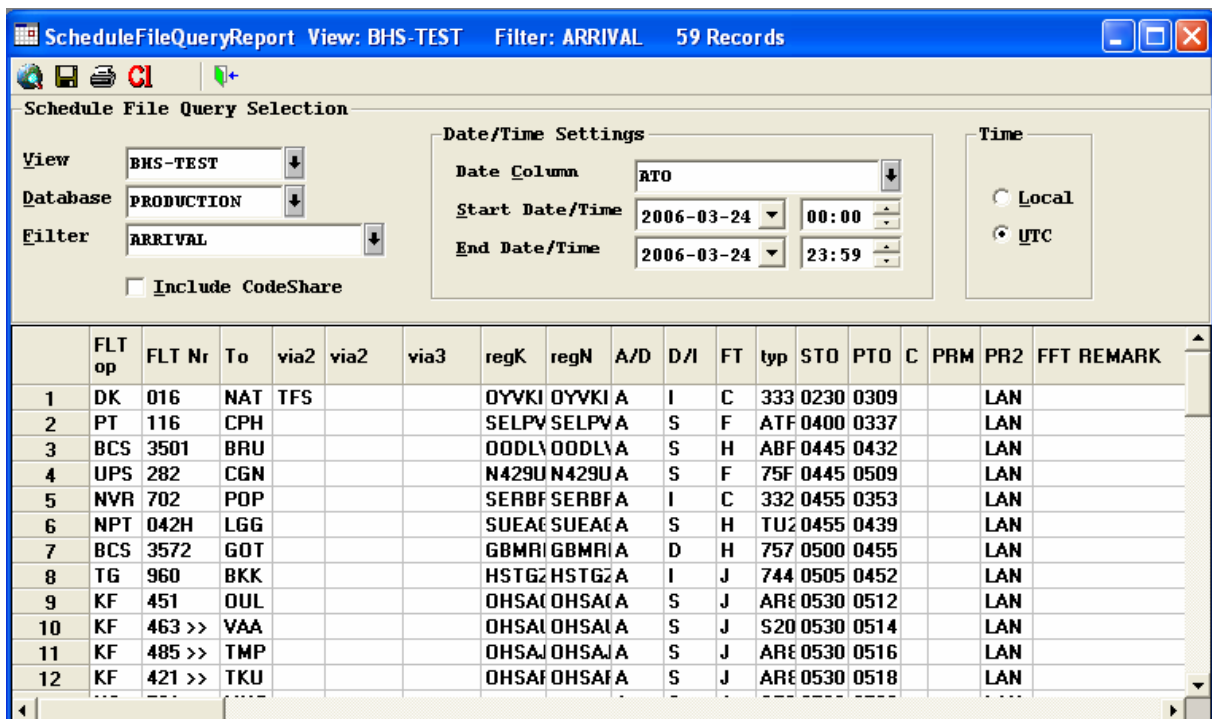
	- Get data.
	- Save
	- Print
	- Clear
	- Exit
View:	- ViewMaster View
Database:	- Database to be used
Filter:	- ViewMaster Filter
Include CodeShare	- Include Code Share
Date/Time Settings	
Date column	- On which column is the result to be sorted.
Start Date/Time	- Start Date/Time
End Date/Time	- End Date/Time
Time	
LOC time	- Times in Local format
UTC time	- Times in UTC (GMT) format


In this example we have chosen to generate a report based on a view called "*BUSS_TEST*" and simultaneously used a filter called "*ARRIVAL*". Further more we have selected the production database, set the date column to "*ATO*" and selected a start and end date and time. We have also specified that the times should be in *UTC* -format.



To generate the report we click on .

The result is what follows.



If you would like to print this report, you just click on the "print" icon (.

To get a more detailed explanation of columns available in a View se appendix "Column descriptions for Schedule file"

SCORE

The Score Module is a module that makes it possible to review information about flights that have been entered automatically by the timetable system (TDB2000). You can see detailed information from the timetable record.

The screenshot shows the SCORE application window with the following fields and controls:

- Flight information:** A header section for the search criteria.
- Start date:** 2006-10-29 (dropdown)
- End date:** 2007-03-24 (dropdown)
- Season:** W06 (dropdown)
- Operator:** (empty dropdown)
- Fltn:** (empty dropdown)
- Time:** (empty dropdown)
- A/C type:** (empty dropdown)
- F-Type:** (empty dropdown)
- Orig:** (empty dropdown)
- Vial:** (empty dropdown)
- A or D:** Arr Dep
- Nature:** I D S E
- Days of Operation:** Mo Tu We Th Fr Sa Su
- Show X:** (checkbox)
- Search by Time rec.:** (checkbox)
- Date:** 2006-12-13 (dropdown)
- Buttons:** Search, Clear, Get Season, Get Dates, Show Loc, Error_log, Exit

Description

Start date	- From date
End date	- To date
Season	- Season
Operator	- Operator (Airline)
Fltn	- Flight number
Time	- Time
A/C type	- Aircraft type
F-Type	- Flight type
Orig	- Origin Destination
Vial	- Transit destination 1
A or D	- Arrival or Departure
Arr	- Arrival
Dep	- Departure
Nature	- Nature of flight
I	- International
D	- Domestic
S	- Schengen
E	- European
Days of Operation	
Mo	- Monday
Tu	- Tuesday
We	- Wednesday
Th	- Thursday
Fr	- Friday

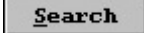
Sa	- Saturday
Su	- Sunday
Show X	- Show deducted items (records)
Serch by Time rec.	- This selection disables all other selection criteria's. Serch by Time rec. Allows the user to se all incoming SCORE records for selected date.
S earch	- Search flights
C lear	- Clear fields
G et Season	- Get Season
G et Dates	- Get season dates
S how Loc	- Show destinations (if more than one)
E rror_log	- Error Log
E xit	- Exit

Search record

To search for a timetable record, enter first the "between" –dates or the season (If different from default). In this case we will search for all records for Lufthansa.

Enter LH in the Operator field (or pick from the list of operators).

The screenshot shows a software window titled "SAFIR ARN_T.WORLD - [SCORE]". The window has a menu bar with "File", "SAFIR", "Locations", "Window", and "Help". Below the menu bar is a section titled "Flight information:" containing several input fields and checkboxes. The fields are: "Start date" (2006-03-26), "End date" (2006-10-30), "Season" (S06), "Operator" (LH), "Fltn", "Time", "A/C type", "F-Type", "Orig", and "Vial". Below these fields are three groups of checkboxes: "A or D" (Arr, Dep), "Nature" (I, D, S, E), and "Days of Operation" (Mo, Tu, We, Th, Fr, Sa, Su). There is also a "Show X" checkbox. At the bottom of this section are buttons for "Search", "Clear", "Get Season", "Get Dates", "Show Loc", "Error_log", and "Exit". The main area of the window is a large, empty grey rectangle. At the bottom of the window is a status bar with the following information: "Status", "SAKATLUN", "ARN_T.WORLD", "2006-03-29", and "11:08 UTC".

Click on .

The result for that search is showed at the bottom of the screen (Yellow lines for Arrivals and Blue lines for Departures).

Due to your computer resolution settings all information are probably not visible on the screen. If so, use the scrollbar at the bottom to be able to see more columns. In our window (below) there are a few columns visible in this case (From left to right):

SCORE

Flight information:

Start date: 2006-03-26 | End date: 2006-10-30 | Season: S06 | Operator: WFE | Fltn: | Time: | A/C type: | F-Type: | Orig: | Via1: |

A or D: Arr Dep | Nature: I D S E | Days of Operation: Mo Tu We Th Fr Sa Su Show X

Buttons: Search, Clear, Get Season, Get Dates, Show Loc, Error_log, Exit

Flightnr	STO	A/D	Orig	Via1	Via2	A/C	Startdate	Enddate	Pattern	Serv.type	Time rec.	Gen	K/X	L
WF231	0550	A	TRD			DH3	27MAR2006	27OCT2006	1234500	J	20FEB2006 14:50	1	K	S
WF233	1250	A	TRD			DH3	26MAR2006	22OCT2006	0000007	J	20FEB2006 14:51	1	K	S
WF233	1050	A	TRD			DH3	01APR2006	28OCT2006	0000060	J	20FEB2006 14:51	1	K	S
WF233	1030	A	TRD			DH3	27MAR2006	27OCT2006	1234500	J	20FEB2006 14:51	1	K	S
WF234	1320	D	TRD			DH3	26MAR2006	22OCT2006	0000007	J	20FEB2006 14:51	1	K	S
WF234	1120	D	TRD			DH3	01APR2006	28OCT2006	0000060	J	20FEB2006 14:51	1	K	S
WF234	1100	D	TRD			DH3	27MAR2006	27OCT2006	1234500	J	20FEB2006 14:51	1	K	S
WF235	1700	A	TRD			DH3	26MAR2006	22OCT2006	0000007	J	20FEB2006 14:52	1	K	S
WF235	1515	A	TRD			DH3	27MAR2006	27OCT2006	1234500	J	20FEB2006 14:52	1	K	S
WF236	1730	D	TRD			DH3	26MAR2006	22OCT2006	0000007	J	20FEB2006 14:52	1	K	S
WF236	1545	D	TRD			DH3	27MAR2006	27OCT2006	1234500	J	20FEB2006 14:53	1	K	S

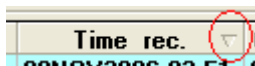
Flight number, Schedule time of Operation, Arr/Dep, Origin destination, Transit destination 1, Transit destination 2, Aircraft type, Starting date, Ending date, Pattern, Flight type, Time record, Generated, and K/X (added/Deducted).

Every time there is a change of any kind to a record, a new record is generated and will be visible in this list. By de-selecting the "Show X" checkbox, only the added records will be presented.

There is also a possibility to sort the grid by any column. To do this, left click on the desired column header, and the grid will sort in descending order. This is shown by a small up arrow next to the column header.



Click again and the sort is changed to ascending order indicated by a down arrow.



To remove the sort, right click the sorted column, and select Remove Sort from the popup menu. The indication arrow disappears.

Time rec.	Gen	K/X	LastUser	Nature	Ovn
NOV2			SCORE	I	0
NOV2			SCORE	I	0
NOV2			SCORE	I	0
NOV2			SCORE	I	0
NOV2006 03:51	0				
NOV2006 03:51	0				
NOV2006 03:51	0				
NOV2006 03:51	0				

Then press the **Search** button.

You can also remove the sort order by clicking then **Clear** button and then the **Search** button.

If we highlight a record in our list, more detailed information about that particular record is showed.

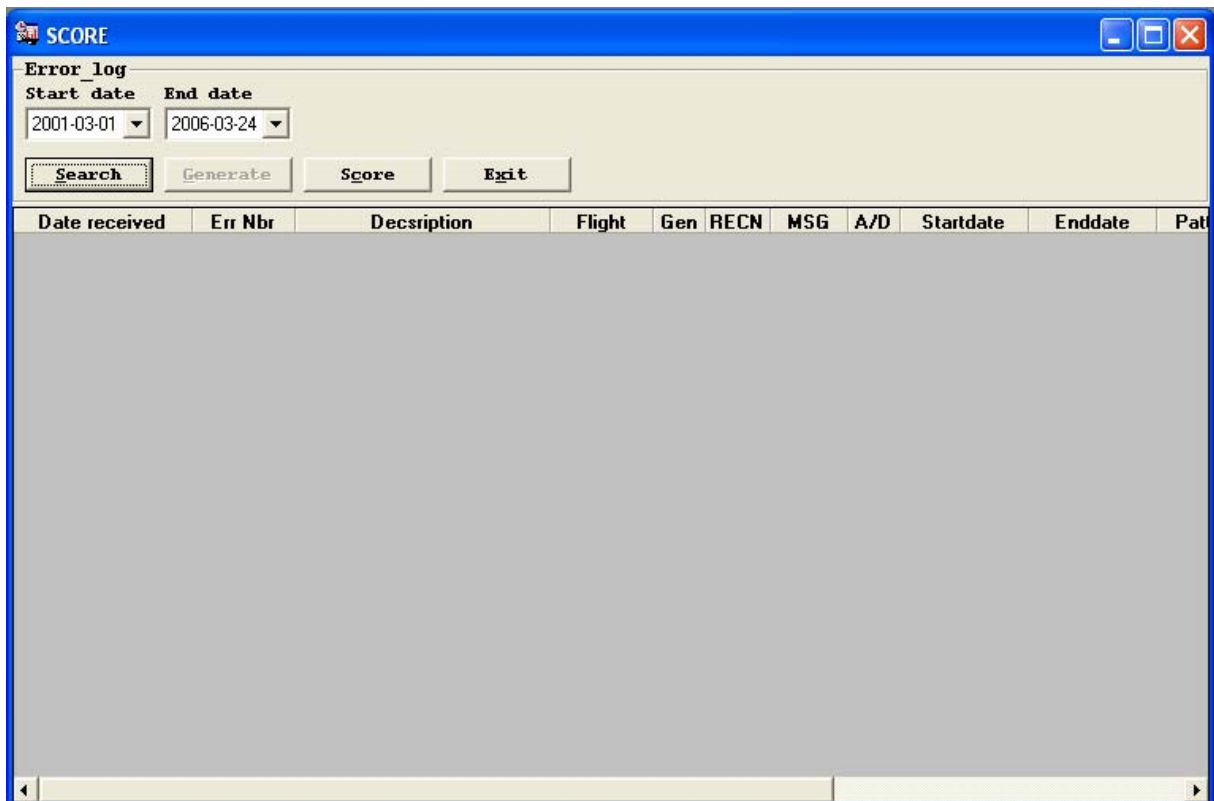
The screenshot shows the SCORE application window. The title bar reads "SCORE". Below the title bar, there is a "Flight information:" section with various input fields and buttons. The "Flight information:" section includes:

- Start date: 2006-03-26
- End date: 2006-10-30
- Season: S06
- Operator: WE
- Fltn: 231
- Time: (empty)
- A/C type: DH3
- F-Type: J
- Orig: TRD
- Vial: (empty)

Below these fields are checkboxes for "A or D" (Arr, Dep), "Nature" (I, D, S, E), and "Days of Operation" (Mo, Tu, We, Th, Fr, Sa, Su). There is also a "Show X" checkbox which is checked. At the bottom of this section are buttons: Search, Clear, Get Season, Get Dates, Show Loc, Error_log, and Exit.

Below the flight information is a table with the following columns: Flightnr, STO, A/D, Orig, Via1, Via2, A/C, Startdate, Enddate, Pattern, Serv.type, Time rec., Gen, K/X, L. The first row of data is: WF231, 0550, A, TRD, (empty), (empty), DH3, 27MAR2006, 27OCT2006, 1234500, J, 20FEB2006 14:50, 1, K, S.

If a record hasn't been automatically generated due to some kind of error, you can, by clicking the **Error_log** -button see which time table records that hasn't been generated.

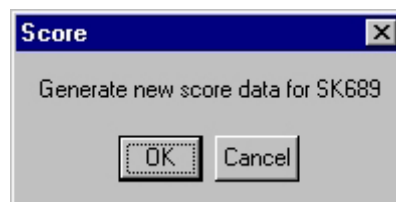


Description

Start date	- From date
End date	- To date
Search	- Search flight records
Generate	- Generate record
Score	- Go back to Score
Exit	- Exit

Click on **Generate**, to generate s new record.

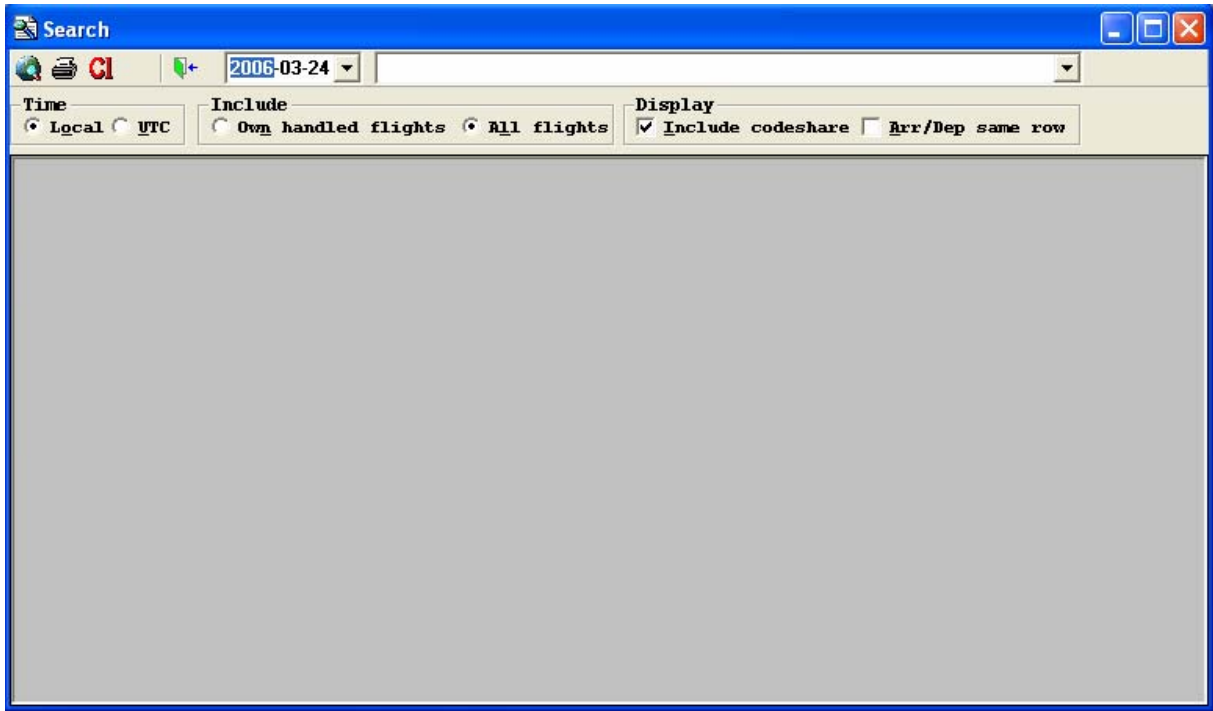
You will be prompted if you want to generate new score data.







Confirm by clicking on <OK>.

SEARCH

There is a powerful Search module in SAFIR. By using different Search Commands you can search for almost everything. You can also combine two or more Search Commands to be able to be more specific in your search.



Description

	- Search
	- Print list
	- Clear list
	- Exit
Date field	
Search field	
Time	
Local	- Local
UTC	- UTC (GMT)

Include

- | | | |
|---------------------|---|---------------------|
| Own handled flights | - | Own handled flights |
| All flights | - | All flights |

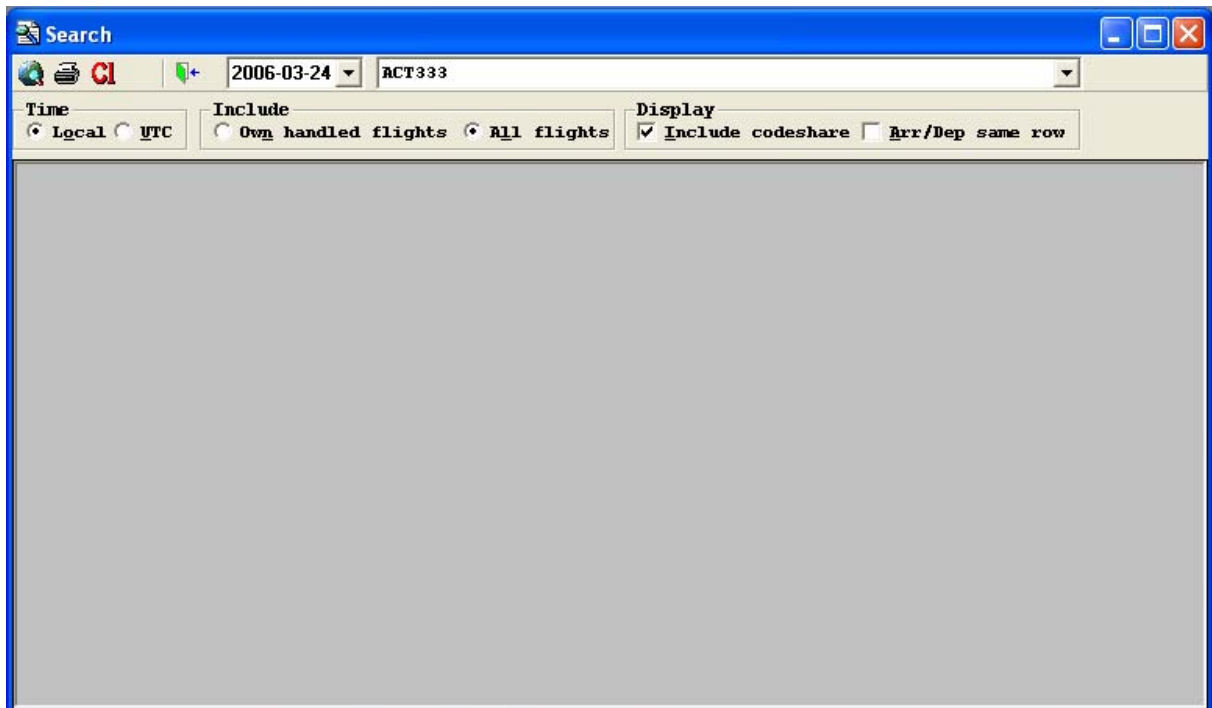
Display

- | | | |
|-------------------|---|--|
| Include codeshare | - | Include code share |
| Arr/Dep same row | - | Arrival/Departure on the same row (matched by registration). |


An example

In this example we are going to Search for a certain aircraft type (Airbus 330-300). The Search Command for Aircraft type is **ACT** and the search value is **333**. Write **ACT333** (**333** is the IATA standard code for Airbus 330-300) in the search field.

IMPORTANT! *Search command and search value is entered as one word without a space separating them!*



Please note that in this example we have chosen Local times and All flights.

When you click on: , you will get a list with all the flights that are operated with an Airbus A330-300.

OP	FLTN	STO	www	PRM	GST	BLK	ATO	Route	via1	via2	T	Gate	Stand	N/A	F/T	A/C type	DLU1	DLU2	A/I
DK	016	0330 24	0410	LAN		0417	0409	NAT	TFS		5	F58	F28R	I	C	333	RA		A
DK	187	0740 24	0805	DEP	GTC	0753	0805	LPA			5	05C	07	S	C	333			D
AC	9398 >	0750 24			CNL			ORD			5			I	J	333			A
LH	6279 >	0750 24			CNL			ORD			5			I	J	333			A
SK	946 >>	0750 24			CNL	CNL		ORD			5			I	J	333	TD		A
UA	9358 >	0750 24			CNL			ORD			5			I	J	333			A
DK	9213	0830 24	0845	DLU				GOT	XXI		5		F28R	I	P	333	RO		D

There may be different fields displayed in the result depending on which host airport you are logged on to.

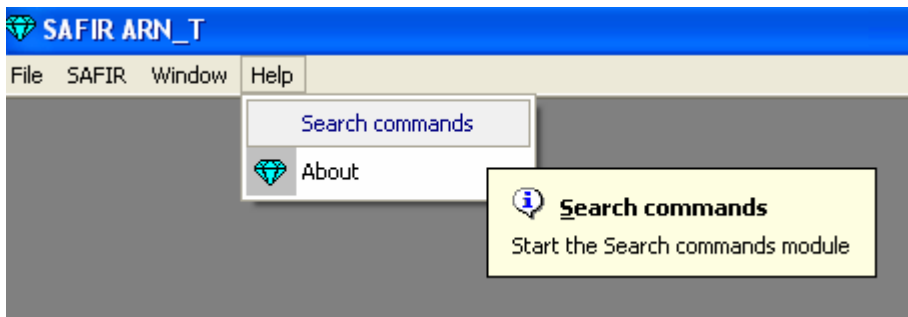
If you, or any one else, already done a search the search commands entered will be saved in a list. You can choose search commands directly from that list by clicking on the "▾" – button next to the search-field.

OP	FLTN	STO	www	PRM	GST	BLK	ATO	Route	via1	via2	T	Gate	Stand	N/A	F/T	A/C type	DLU1	DLU2	A/I
DK	016	0330 24	0410	LAN		0417	0409	NAT	TFS		5	F58	F28R	I	C	333	RA		A
DK	187	0740 24	0805	DEP	GTC	0753	0805	LPA			5	05C	07	S	C	333			D
AC	9398 >	0750 24			CNL			ORD			5			I	J	333			A
LH	6279 >	0750 24			CNL			ORD			5			I	J	333			A
SK	946 >>	0750 24			CNL	CNL		ORD			5			I	J	333	TD		A
UA	9358 >	0750 24			CNL			ORD			5			I	J	333			A
DK	9213	0830 24	0845	DLU				GOT	XXI		5		F28R	I	P	333	RO		D

By combining more than one Search command you can be more specific in your search. The search command **TER** stands for Terminal. If you enter, for example, "TER2 ACT733", the result will be All Boeing 737-300 that is arriving or departing on Terminal 2.

IMPORTANT! Search Commands and the Search Value are entered without a space between them! If you want to combine more than one Search Command these must be separated with a space!

Note that the menu appearance have changed when you started the Search module. Under Help you now can get a list with the different Search commands available.



Search commands

Command	Function	Example
FTM	From time	FTM0900
FTA	From time ARR	FTAM0900
FTD	From time DEP	FTDM0900
TTM	To time	TTM1100
TTA	To time ARR	TTA1100
TTD	To time DEP	TTD1100
OPE	Operator	OPEBA
OPA	Operator ARR	OPABA
OPD	Operator DEP	OPDBA
DES	Destination	DESLHR
DEA	Destination ARR	DEALHR
DED	Destination DEP	DEDLHR

ACT	Aircraft type	ACT333
FLT	Flight	FLTBA123
FNB	Flight number	FNB123
TER	Terminal	TER2
STA	Stand	STA5
REG	Registration	REGGBGDI
/	Search date	OPEBA /18OCT01
+	Add days	OPEBA +1
-	Minus days	OPEBA -1

TIMETABLE

In ViewMaster you can add single flights but not whole series. Timetable is the module for creating and generating series of flights.

The screenshot shows the 'Timetable' application window with a blue title bar and standard Windows window controls. The interface is divided into several sections:

- Flight Data**: A tabbed interface with 'Flight Data', 'Flight Schedule', 'Review', and 'Flight Plan' tabs. The 'Flight Data' tab is active.
- Items**: A section containing input fields for 'Operator', 'Time UTC', 'Orig dest', 'Flight type', 'Flight No', 'A/C type', and 'Loc2'. There are also radio buttons for 'Arr/Dep' with 'Dep' and 'Arr' options.
- Extra Locations**: A section with input fields for 'Loc3', 'Loc4', 'Loc5', and 'Loc6'.
- Codes**: A section with radio buttons for 'IATA' (selected) and 'ICAO'.
- Table**: A table with the following columns: Flight, STO(UTC), AorD, Loc1, Loc2, Loc3, Loc4, Loc5, Loc6, AirC, From - To, Dop, Seas, Scenario, and HOST. The table body is currently empty.






FLIGHT DATA

The screenshot shows the 'Timetable' application window with the following components:

- Toolbar:** Contains icons for search, save, print, and other functions.
- Navigation Tabs:** 'Flight Data' (selected), 'Flight Schedule', 'Review', and 'Flight Plan'.
- Items Section:**
 - Operator: BR
 - Time UTC: 0900
 - Orig dest: LHR
 - Flight type: J
 - Arr/Dep: Dep, Arr
 - Flight No: 465
 - A/C type: 763
 - Loc2: GOT
- Extra Locations Section:**
 - Loc3: []
 - Loc4: []
 - Loc5: []
 - Loc6: []
- Codes Section:**
 - IATA
 - ICAO
- Table:**

Flight	STO(UTC)	AorD	Loc1	Loc2	Loc3	Loc4	Loc5	Loc6	AirC	From - To	Dop	Seas	Scenario	HOST

Description

Operator:	- Operator (Airline)
Flight No:	- Flight number
Time UTC:	- Time
A/C type:	- Aircraft type
Orig dest:	- Origin destination
Loc 2:	- Transit destination 2
Flight Type:	- Flight type
Arr/Dep	- Arrival or Departure
Dep	- Departure
Arr	- Arrival
Extra Locations	- Extra destinations
Loc 3:	- Transit destination 3
Loc 4:	- Transit destination 4
Loc 5:	- Transit destination 5
Loc 6:	- Transit destination 6
Codes	
IATA	- IATA Codes
ICAO	- ICAO Codes
	- Search records
	- Create record
	- Generate record
	- Save changes
	- Details



- Delete record



- Clear fields



- Export data to excel file.












- Exit

FLIGHT SCHEDULE

The screenshot shows the 'Timetable' application window. The 'Flight Schedule' tab is active. The 'Dates/Season' section contains the following fields: Start Date: 2004-09-15, End Date: 2004-09-17, Season: S05, and Scenario: (empty). The 'Pattern' section has four radio button options: Daily (selected), Every XX Days, Weekly On, and Every XX Weeks. Below these is a 'Week Days' grid with columns Mo, Tu, We, Th, Fr, Sa, Su and checkboxes. The table below has the following columns: Flight, STO(UTC), AorD, Loc1, Loc2, Loc3, Loc4, Loc5, Loc6, AirC, From - To, Dop, Seas, Scenario, HOST. The table body is currently empty.

Description

Dates/Season:	-	Dates/Seasons
Start Date:	-	Starting Date
End Date:	-	Ending Date
Season:	-	Season
Scenario:	-	Scenario
Pattern:	-	Pattern
Daily	-	Daily
Every XX Days	-	Every XX days
Weekly On	-	Every week on...
Every XX Weeks	-	Every XX weeks
Week Days	-	Week days

	- Search records
	- Create record
	- Generate record
	- Save changes
	- Details
	- Delete record
	- Clear fields
	- Export data to excel file.
	- Exit

REVIEW

If you would like to review information about a certain timetable record (a series of flights), Review is the tab to use.

The screenshot shows the 'Timetable' application window with the 'Review' tab selected. The interface is divided into several sections:

- Dates/Season:** Start Date: 2004-09-15, End Date: 2004-09-17, Season: S05, Scenario: (empty)
- Items:** Operator: (empty), Time UTC: (empty), Dest (1-6): (empty), Flight type: (empty), Flight No: (empty), A/C type: (empty)
- Codes:**
 - IATA ICAO
 - International Schengen Domestic European
 - Arr/Dep: Arr Dep
 - Display time in: Local UTC

Below the settings is a table with the following columns: Flight, STO(UTC), AorD, Loc1, Loc2, Loc3, Loc4, Loc5, Loc6, AirC, From - To, Dop, Seas, Scenario, HOST. The table area is currently empty.

Description

Dates / Season	-	Dates/Seasons
Start Date:	-	Starting Date
End Date:	-	Ending Date
Season:	-	Season
Scenario:	-	Scenario

Items

Operator:	Operator (Airline)
Time UTC:	Time
Dest (1-6):	Destination
Flight Type:	Flight Type
Flight No:	Flight Number
A/C type:	Aircraft Type

Codes

IATA	- IATA codes
ICAO	- ICAO codes










Nature

International	International
Schengen	Schengen
Domestic	Domestic
European	European

Arr/Dep:	Arrival or Departure
Arr	Arrival
Dep	Departure

Display time in


Local	Local time
UTC	UTC (GMT)

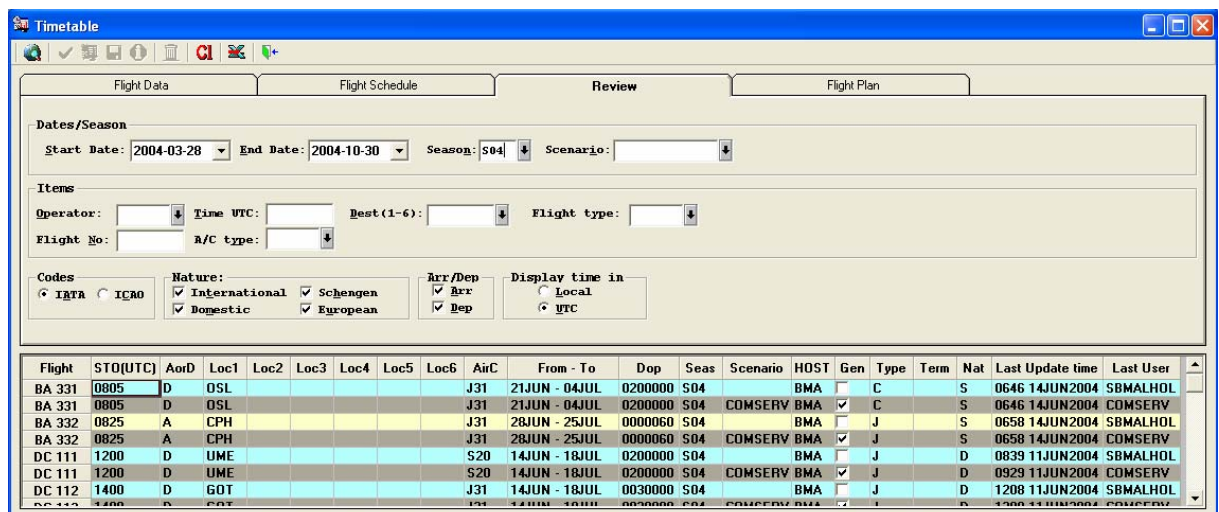
	- Search records
	- Create record
	- Generate record
	- Save changes
	- Details
	- Delete record
	- Clear fields
	- Export data to excel file.
	- Exit

Search

To find a timetable record, follow the instructions below:

In the field for **Start Date** you choose the start date for your search of the timetable record. In the field for **End Date** you choose the end date for your search. Finally you choose season for the timetable search.

You initiate the search by clicking . The result is now visible in the window at the bottom of the page.



The screenshot shows the 'Timetable' application window with the following search criteria:

- Dates/Season:** Start Date: 2004-03-28, End Date: 2004-10-30, Season: S04
- Items:** Operator: [empty], Time UTC: [empty], Best(1-6): [empty], Flight type: [empty]
- Codes:** IATA (selected), ICAO
- Nature:** International (checked), Schengen (checked), Domestic (checked), European (checked)
- Arr/Dep:** Arr (checked), Dep (checked)
- Display time in:** UTC (selected), Local

The results table below shows the following data:

Flight	STO(UTC)	AorD	Loc1	Loc2	Loc3	Loc4	Loc5	Loc6	AirC	From - To	Dop	Seas	Scenario	HOST	Gen	Type	Term	Nat	Last Update time	Last User
BA 331	0805	D	OSL						J31	21JUN - 04JUL	0200000	S04	COMSERV	BMA	<input type="checkbox"/>	C		S	0646 14JUN2004	SBMALHOL
BA 331	0805	D	OSL						J31	21JUN - 04JUL	0200000	S04	COMSERV	BMA	<input checked="" type="checkbox"/>	C		S	0646 14JUN2004	COMSERV
BA 332	0825	A	CPH						J31	28JUN - 25JUL	0000060	S04	COMSERV	BMA	<input type="checkbox"/>	J		S	0658 14JUN2004	SBMALHOL
BA 332	0825	A	CPH						J31	28JUN - 25JUL	0000060	S04	COMSERV	BMA	<input checked="" type="checkbox"/>	J		S	0658 14JUN2004	COMSERV
DC 111	1200	D	UME						S20	14JUN - 18JUL	0200000	S04	COMSERV	BMA	<input type="checkbox"/>	J		D	0839 11JUN2004	SBMALHOL
DC 111	1200	D	UME						S20	14JUN - 18JUL	0200000	S04	COMSERV	BMA	<input checked="" type="checkbox"/>	J		D	0929 11JUN2004	COMSERV
DC 112	1400	D	GOT						J31	14JUN - 18JUL	0030000	S04	COMSERV	BMA	<input type="checkbox"/>	J		D	1208 11JUN2004	SBMALHOL

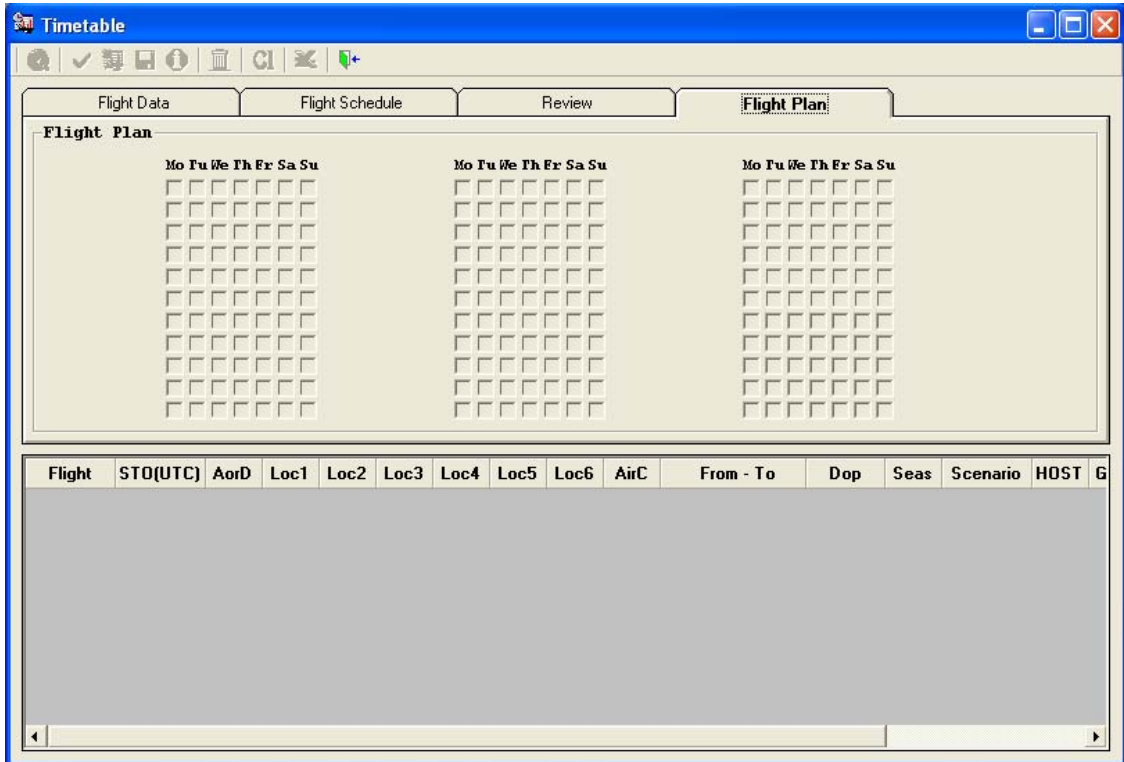
If you choose to search with only the dates and season specified the result would show all timetable records there is between the specified dates. If you would like to narrow the search you can specify further search criteria by entering information under **Items**. You could for example search only for SAS flights by entering SK in the

operator field under Items. The more search information specified the more filtered the result will be.

FLIGHT PLAN










The **Flight Plan-tab** displays days of operation for a certain flight. To the left From- and To dates are displayed as well as week number. The checked boxes indicate on which days the flight is operated.

If you would like to see days of operation for a certain flight, you search for the flight under the tab **Review**, change to the **Flight Plan-tab** and double click on the flight displayed in the window.



Description

Mo	- Monday
Tu	- Tuesday
We	- Wednesday
Th	- Thursday
Fr	- Friday
Sa	- Saturday
Su	- Sunday

	- Search records
	- Create record
	- Generate record
	- Save changes
	- Details
	- Delete record
	- Clear fields
	- Export data to excel file.
	- Exit

CREATE A NEW RECORD

In this case we would like to add a flight. The new flight is a departure and is called BA465, it's a Boeing 767-300 and the destination is London Heathrow via Gothenburg and it will operate at 09:00 every Tuesday and Thursday between 2004-03-03 and 2004-03-26.

Here is what to do:

In the **Flight Data**-tab enter the Operator prefix (BA), Flight number (465), STO-time (0900) and the aircraft type (763). Also enter the Origin destination (LHR) and the transit destination (GOT), flight type (J) and make sure that Dep is marked under "A or D".

The screenshot shows the 'Timetable' application window with the 'Flight Data' tab selected. The form contains the following fields:

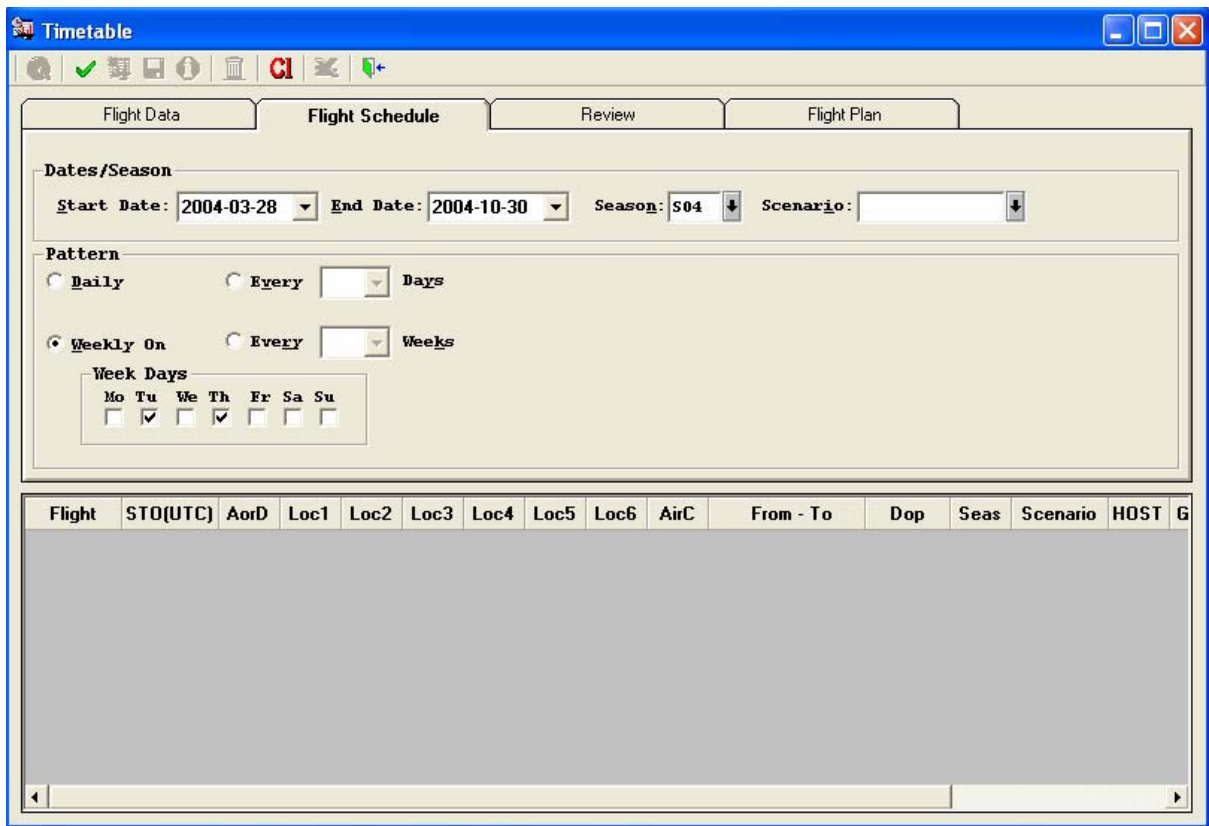
- Operator:** BA
- Time UTC:** 0900
- Orig dest:** LHR
- Flight type:** J
- Flight No:** 465
- A/C type:** 763
- Loc2:** GOT

Additional sections include:

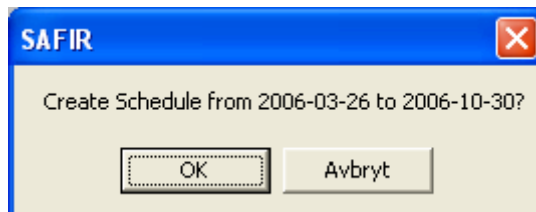
- Extra Locations:** Loc3, Loc4, Loc5, Loc6 (all empty)
- Codes:** IATA (selected), ICAO

Below the form is a table with the following columns: Flight, STO(UTC), AorD, Loc1, Loc2, Loc3, Loc4, Loc5, Loc6, AirC, From - To, Dop, Seas, Scenario, HOST, G.

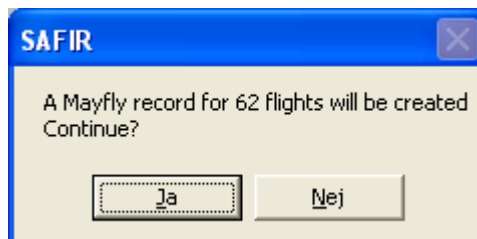
Go to the **Flight Schedule** -tab and enter the dates (2004-03-03 and 2004-03-26) and the season (W03). Select under *pattern* that the flight is operated *Weekly On* Tuesday (Tu) and Thursday (Th).



Click on  ...



Confirm by clicking on <OK>.

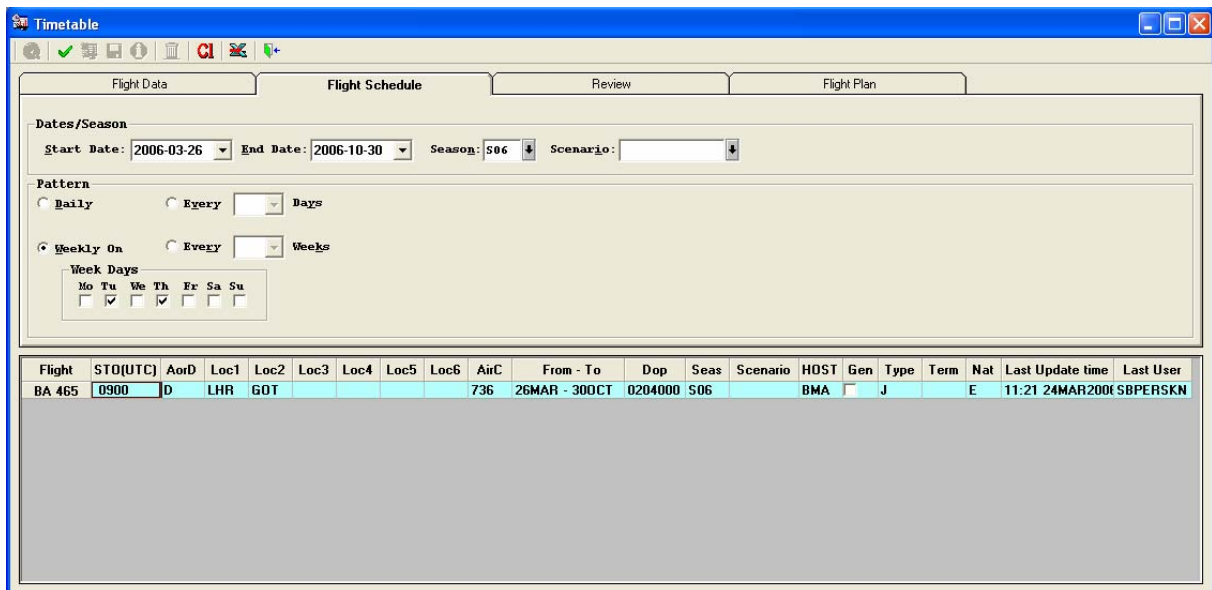


The "pop-up window" tells you that Time Table is about to create seven flights for you (There are only a total of 62 Tuesdays and Thursdays between 2006-03-26 and 2006-10-30).




Confirm by clicking on <OK>.

You can now see your new created record (below).



Note! The timetable record is not yet generated so there are a few more steps to go.

Highlight your record and the **Generate**-button () will be activated. Click on it.

The 'Timetable' window displays flight data and schedule configuration. The 'Dates/Season' section shows Start Date: 2006-03-26, End Date: 2006-10-30, Season: 506, and Scenario: . The 'Pattern' section has 'Weekly On' selected with 'Every' days and 'Week Days' checked for Tu, We, Th, and Fr. Below is a table of flight data:

Flight	STQ(UTC)	AorD	Loc1	Loc2	Loc3	Loc4	Loc5	Loc6	AirC	From - To	Dop	Seas	Scenario	HOST	Gen	Type	Term	Nat	Last Update time	Last User
BA 465	0900	D	LHR	GOT					736	26MAR - 30OCT	0204000	506		BMA		J		E	11:21 24MAR2006	SBPERSKN

A copy of the STT-message will be visible and the final step is to click on **Generate**.

The 'Generate' dialog box contains the following fields:

- Message type: STT
- Location: BMA
- Sequence number: 02
- Operator: BA
- IATA service type code: J
- Flight Number: 465
- Aircraft type: 736
- Arrival/Departure: D
- Start date of period: 2006-03-26
- Airport code (Route1): LHR
- End date of period: 2006-10-30
- Airport code (Route2): GOT
- Days of week: 0204000
- Airport code (Route3):
- Time (UTC): 0900
- Airport code (Route4):
- Number of stations in route: 2

Buttons: Generate, Cancel

A confirmation message will appear




Flight Plan

In the **Flight Plan** –tab you can see checked boxes that indicate on which days the flight is operated. Double click on the record and the checked boxes will appear. To the left you can see the From- and To dates as well as the week number.

Flight	STO(UTC)	AorD	Loc1	Loc2	Loc3	Loc4	Loc5	Loc6	AirC	From - To	Dop	Seas	Scenario	HOST	Gen	Type	Term	Nat	Last Update time	Last User
BA 465	0900	D	LHR	GOT					736	26MAR - 30OCT	0204000	S06		BMA	<input type="checkbox"/>	J		E	11:21 24MAR2006	SBPERSKN

Delete a record

To delete a record, highlight the record you want to delete and click on .

Delete record

Delete Flight: BA 465

From Date: 2006-03-26 To Date: 2006-10-30

Ok Cancel

Confirm by clicking on .


SEARCH FOR A TIMETABLE RECORD

In this case we would like to search for a flight. The flight is an arrival and the operator is British Airways and the flight number 8289. The start date of your search is the 1st of January 2004 and the end date is the 27th of March 2004. The season is W03.

Here is what to do:

In the **Review**-tab enter the start date (1st of January 2006), end date (27th of March 2006) and season (S06) under **Dates/Season**. Under **Items** enter BA in the Operator-field and 8289 in the field for Flight number.

Flight	STO(UTC)	AorD	Loc1	Loc2	Loc3	Loc4	Loc5	Loc6	AirC	From - To	Dop	Seas	Scenario	HOST	Gen	Type	Term	Nat	Last Update time	Last User
--------	----------	------	------	------	------	------	------	------	------	-----------	-----	------	----------	------	-----	------	------	-----	------------------	-----------

Initiate the search by clicking . The result is now visible in the window at the bottom of the page.

Flight	STO(UTC)	AorD	Loc1	Loc2	Loc3	Loc4	Loc5	Loc6	AirC	From - To	Dop	Seas	Scenario	HOST	Gen	Type	Term	Nat	Last Update time	Last User
BA 465	0900	D	LHR	GOT					736	26MAR - 30OCT	0204000	S06		BMA	<input type="checkbox"/>	J		E	1121 24MAR2006	SBPERSKN
BA 465	0900	D	LHR	GOT					736	26MAR - 30OCT	0204000	S06	COMSERV	BMA	<input checked="" type="checkbox"/>	J		E	1123 24MAR2006	COMSERV

The result of this search displays two types of records. One is created by a user/user function and one is generated by the system. The one generated by the system is the one with Scenario COMSERV and with the Gen-checked box checked. This record verifies that the timetable record is generated and that the flight is visible in the ViewMaster.

UPDATE A TIMETABLE RECORD

It is possible to change on which days a certain flight operates. To do this you first need to display flight data in the **Flight Plan-tab**. You search for the flight under the tab **Review**, change to the **Flight Plan-tab** and double click on the flight displayed in the window. You can now add or remove days of operation by changing data under Flight Plan.

In this case we would like to remove 30 May 2006 from the timetable record of BA465.

Flight	STO(UTC)	AorD	Loc1	Loc2	Loc3	Loc4	Loc5	Loc6	AirC	From - To	Dop	Seas	Scenario	HOST	Gen	Type	Term	Nat	Last Update time	Last User
BA 465	0900	D	LHR	GOT					736	26MAR - 30OCT	0204000	S06	COMSERV	BMA	<input type="checkbox"/>	J		E	1121 24MAR2006	SBPERSKN
BA 465	0900	D	LHR	GOT					736	26MAR - 30OCT	0204000	S06	COMSERV	BMA	<input checked="" type="checkbox"/>	J		E	1123 24MAR2006	COMSERV

To the left From- and To dates are displayed as well as week number. The checked boxes indicate on which days the flight is operating. As you can see the box for 28 March is checked which means that the flight is operating this day.

Click in the box of 30 May and the box is no longer checked.

Reference Manual


Timetable

Flight Data Flight Schedule Review Flight Plan

Flight Plan(UTC) for: BA 465

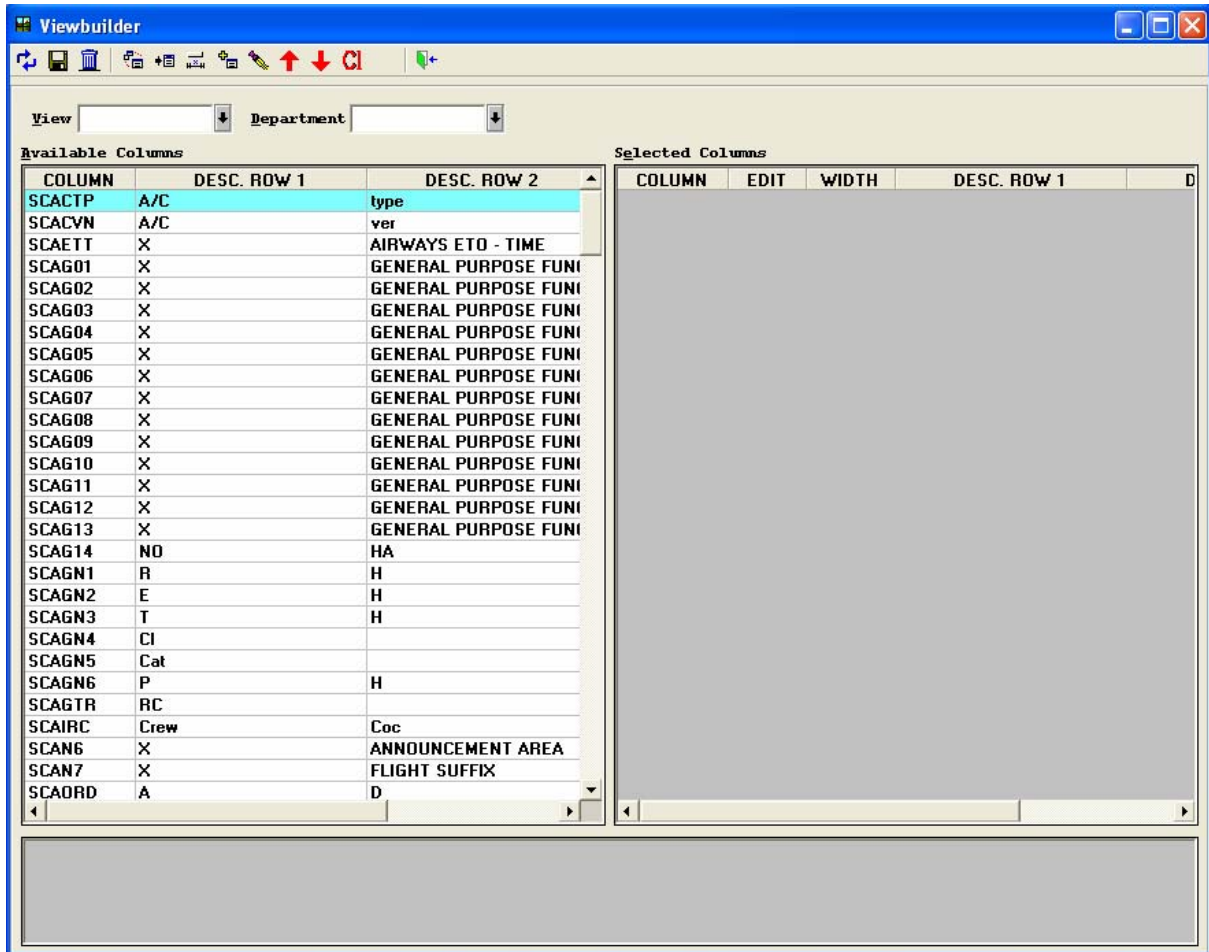
	Mo	Tu	We	Th	Fr	Sa	Su		Mo	Tu	We	Th	Fr	Sa	Su		Mo	Tu	We	Th	Fr	Sa	Su
20MAR06	11	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	05JUN06	22	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	21AUG06	33	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
27MAR06	12	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	12JUN06	23	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	28AUG06	34	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
03APR06	13	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	19JUN06	24	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	04SEP06	35	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
10APR06	14	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	26JUN06	25	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	11SEP06	36	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
17APR06	15	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	03JUL06	26	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	18SEP06	37	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
24APR06	16	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	10JUL06	27	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	25SEP06	38	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
01MAY06	17	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	17JUL06	28	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	02OCT06	39	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
08MAY06	18	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	24JUL06	29	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	09OCT06	40	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
15MAY06	19	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	31JUL06	30	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	16OCT06	41	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
22MAY06	20	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	07AUG06	31	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	23OCT06	42	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
29MAY06	21	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	14AUG06	32	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	30OCT06	43	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Flight	STO(UTC)	AorD	Loc1	Loc2	Loc3	Loc4	Loc5	Loc6	AirC	From - To	Dop	Seas	Scenario	HOST	Gen	Type	Term	Nat	Last Update time	Last User
BA 465	0900	D	LHR	GOT					736	26MAR - 30OCT	0204000	S06		BMA	<input type="checkbox"/>	J		E	1121 24MAR2006	SBPERSKN
BA 465	0900	D	LHR	GOT					736	26MAR - 30OCT	0204000	S06	COMSERV	BMA	<input checked="" type="checkbox"/>	J		E	1123 24MAR2006	COMSERV













Click on  (save). The flight is no longer operating on the 30 May 2006.

VIEWBUILDER

The different views that you can use in ViewMaster is created, amended and deleted in the ViewBuilder Module. To get a more detailed explanation of columns available in *View builder* se appendix "Column descriptions for Schedule file"



Description

	- Refresh View Display
	- Save View details
	- Delete View
	- Copy current view
	- Select All Columns
	- Change column with for description
	- Add column to view
	- Delete column from view
	- Move Column up in list (to the left in the actual view)
	- Move Column down in list (to the right in the actual view)
	- Clear form
	- Exit Viewbuilder
View	- Name of View
Department	- Department
Available Columns	- Available Columns (All)
Selected Columns	- Selected Columns (for that view)

Amend a view

To amend a view you first have to select the view that you want to amend. In the picture below you can see that we have selected a view called "TC" and department "SANORDICAE" uses this particular view.

To the right we see the SAFIR system columns that are used in this view. Now you can change:

Columns (adding and deducting columns) Make a column editable or non-editable for the department (checkbox), Column with (default) and the description for a column

Viewbuilder

View: TC Department: SANORDICAE

Available Columns			Selected Columns			
COLUMN	DESC. ROW 1	DESC. ROW 2	COLUMN	EDIT	WIDTH	DESC. ROW 1
SCACTP	A/C	type	SCAGTR	<input checked="" type="checkbox"/>	2	RC
SCACVN	A/C	ver	SCAORD	<input type="checkbox"/>	1	A
SCAETT	X	AIRWAYS ETO - TIME	SCLOC1	<input checked="" type="checkbox"/>	5	Route
SCAG01	X	GENERAL PURPOSE FUNI	SCLOC2	<input checked="" type="checkbox"/>	4	via1
SCAG02	X	GENERAL PURPOSE FUNI	SCREGK	<input checked="" type="checkbox"/>	5	REGK
SCAG03	X	GENERAL PURPOSE FUNI	SCACTP	<input type="checkbox"/>	3	A/C
SCAG04	X	Alarmed indicator	SCSTO	<input type="checkbox"/>	4	STO
SCAG05	DEIT		SCETO	<input checked="" type="checkbox"/>	4	ETO
SCAG06	DEIYN		SCATO	<input type="checkbox"/>	4	ATO
SCAG07	Airborn		SCXTO	<input checked="" type="checkbox"/>	4	ON/
SCAG08	X	GENERAL PURPOSE FUNI	SCPRM2	<input checked="" type="checkbox"/>	4	PRM
SCAG09	ELDT	Source	SCPRMC	<input checked="" type="checkbox"/>	4	GST
SCAG10	P	A	SCGATE	<input type="checkbox"/>	4	Gate
SCAG11	AUTO	YTO	SCSTND	<input type="checkbox"/>	5	Stand
SCAG12	CSF		SCLDST	<input checked="" type="checkbox"/>	1	A
SCAG13	X	GENERAL PURPOSE FUNI	SCRMKJ	<input checked="" type="checkbox"/>	11	IRM
SCAG14	NO	HA	SCRMKF	<input checked="" type="checkbox"/>	11	IRM RX
SCAGN1	R	H	SCDLYR1	<input checked="" type="checkbox"/>	5	DLU1
SCAGN2	E	H	SCDLYR2	<input checked="" type="checkbox"/>	5	DLU2
SCAGN3	T	H	SCDLYT1	<input checked="" type="checkbox"/>	5	DLU1
SCAGN4	CI		SCDLYT2	<input checked="" type="checkbox"/>	5	DLU2
SCAGN5	Cat		SCFBTM	<input checked="" type="checkbox"/>	4	First
SCAGN6	P	H	SCLBTM	<input checked="" type="checkbox"/>	4	Last
SCAGTR	RC		SCCLTM	<input checked="" type="checkbox"/>	4	EET
SCAIRC	Crew	Coc	SCFULR	<input checked="" type="checkbox"/>	5	Fuel
SCAN6	X	ANNOUNCEMENT AREA	SCFULT	<input checked="" type="checkbox"/>	4	Fuel
SCAN7	X	FLIGHT SUFFIX	SCAIRC	<input checked="" type="checkbox"/>	3	Coc
SCAORD	A	D	SCCABC	<input checked="" type="checkbox"/>	3	Cab

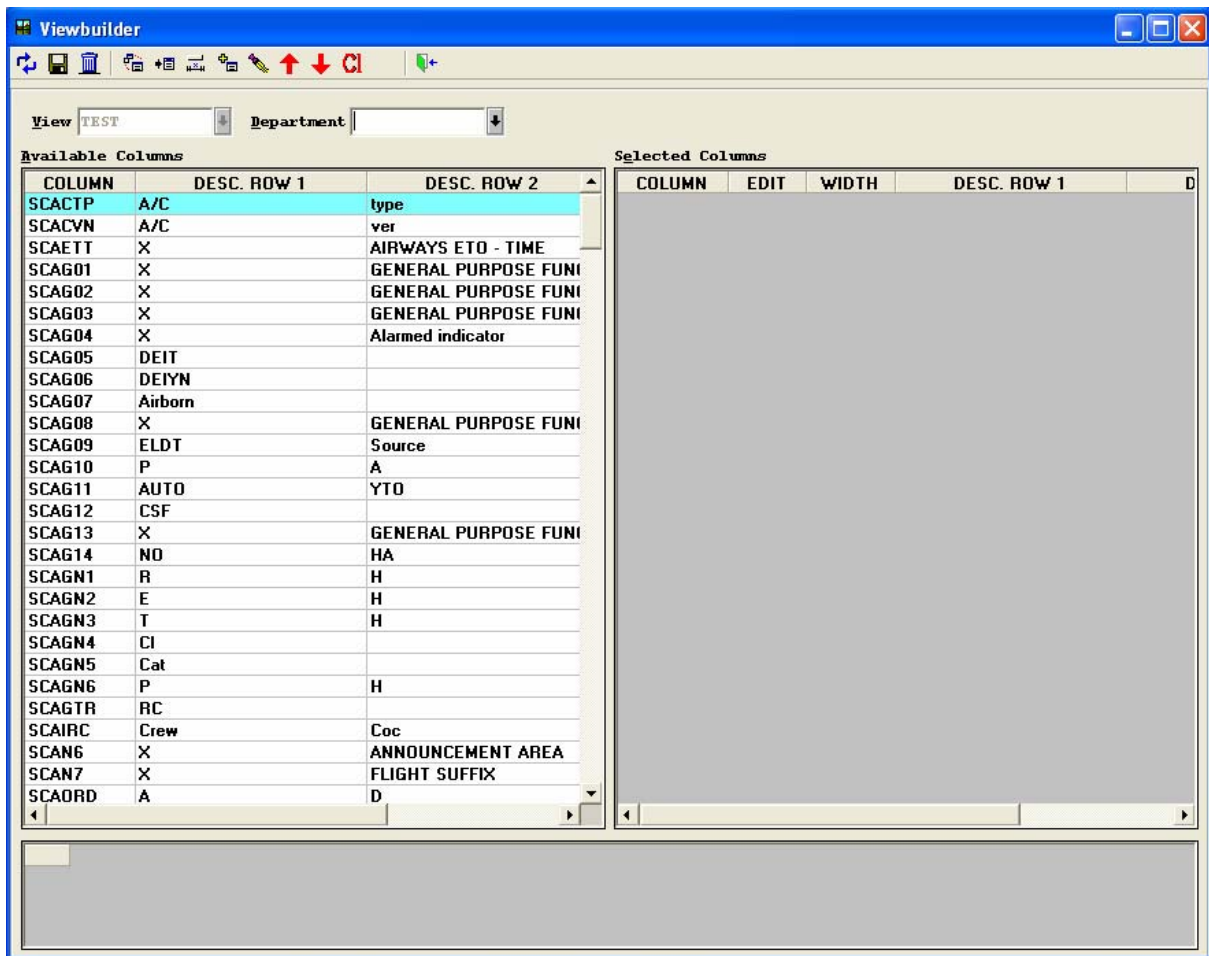
R	A	Route	via1	REGK	A/C type	STO	ETO	ATO	ON/OFF	PRM	GST	Gate	Stand	IRM	IRM RX	DLU1 code	DLU2 code	DLU1 time	DLU2 time	First BAG	Last BAG


When you are done with the changes, you click on the save button .

Create a new view

This is how you create a new view:

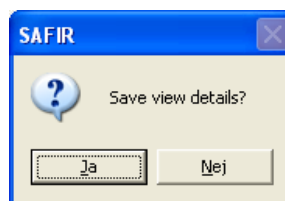
Enter a name for the new view, and then press <TAB> to go to editable mode. Choose which department that should have access to this view.



From **Available Columns** you highlighting the column that you want and click on . The selected Column will be visible on the right hand side under **Selected Columns**. Check the "checkbox" if you want the column to be editable from ViewMaster for that department. Enter the columns default width (number of characters). Finally enter a description for that column (The column heading in ViewMaster).

Note! If the Description is longer (more characters) than the default width, the description text will not be visible by default in ViewMaster.

When you exit Viewbuilder you will be prompted if you want to save the view details.



VIEWMASTER

ViewMaster is the tool for handling all flights on daily basis. The information on the screen presented to you, are shown in different ways depending of which View that is selected. Different Views include different information.

To build new or change existing views you have to use the **ViewBuilder** module. The ViewBuilder module can be reached from the *SAFIR* menu. To get a more detailed explanation of columns available in *View Master* se appendix "Column descriptions for Schedule file"

Depending of your access rights related to your login account, the number of visible Airlines can vary.

Please note that all Departure flights are marked as blue and all Arrival flights are marked as yellow.


















Flight	Callsign	To	via2	regK	regN	A/D	D/I	FT	typ	STO	PTO	C	PRM	PR2	FFT	REMARK	DISPL	iim	EET	next	ETO	ITO	APR	ATO	TE	STA	
SK 3613 >	SAS3613	FRA		DAIPX	DAIPX	D	S	J		320	1310	1310													5	06	
UA 9017 >	UAL9017	FRA		DAIPX	DAIPX	D	S	J		320	1310	1310														5	06
BD 3948 >	BMA3948	MAN		LNRPY	LNRPY	A	E	J		736	1315	1315														5	13
LH 3033 >>	DLH6YA	DUS		DACRC	DACRC	D	S	J		CR1	1315	1315														5	04
SK 2548 >>	SAS2548	MAN		LNRPY	LNRPY	A	E	J		736	1315	1315														5	13
SK 3697 >>	SAS3697	DUS		DACRC	DACRC	D	S	J		CR1	1315	1315														5	04
SK 574 >>	SAS574	CDG		LNRRF	LNRRF	A	S	J		736	1315	1315														5	07
SK 730 >>	SAS730	SVO		LNRRF	LNRRF	D	I	J		736	1315	1315														5	F30
SK 461 >>	SAS061	OSD		OYKGY	OYKGY	A	D	J		M81	1330	1318									1318	1318				4	38
FI 307 >>	ICE307	KEF		TFFIN	TFFIN	D	S	J		75w	1320	1320														5	14
SK 407 >>	SAS407	CPH		OYKKB	OYKKB	D	S	J		321	1320	1320														5	10
SK 6422 >>	SAS6422	KEF		TFFIN	TFFIN	D	S	J		75w	1320	1320														5	14
UA 9307 >>	UAL9307	CPH		OYKKB	OYKKB	D	S	J		321	1320	1320														5	10
AF 2062 >>	AFR2062	CDG		FGFKB	FGFKB	A	S	J		320	1215	1225			EST		1325	NICK	250		1325	1325				5	11
JU 383 >>	JAT383	BEG		YUADN	YUADN	D	I	J		733	1325	1325														5	20
JZ 294 >>	SKX294	SFT		SELTV	SELTV	D	D	J		520	1330	1330														3	54
LF 515 >>	NDC515	LLA		SERFB	SERFB	D	D	J		M82	1330	1330														4	35
JZ 503 >>	SKX503	AJR	LYC	SELIT	SELIT	A	D	J		F50	1340	1340														3	56
SK 6753 >>	SAS6753	AJR	LYC	SELIT	SELIT	A	D	J		F50	1340	1340														3	56
AZ 140 >>	AZA140	MXP				A	S	J		M80	1345	1345						MIKKEL								5	12
FLY1207 >>	FLY1207	HEL		OYAPK	OYAPK	D	S	J		735	1345	1345														2	65
SH 1207 >>	AIS1207	HEL		OYAPK	OYAPK	D	S	J		735	1345	1345														2	65
FLY233 >>	FLY233	MMX		SERCO	SERCO	A	D	J		733	1350	1350						TOM								4	35
SK 2108 >>	SAS2108	MMX		OYKKS	OYKKS	A	D	J		736	1350	1350														4	31
AY 892 >>	FIN892	MAD		OHLXA	OHLXA	A	S	J		320	1345	1355						KAMILAH	440		1355	1355				2	66
IB 7927 >>	IBE7927	MAD		OHLXA	OHLXA	A	S	J		320	1345	1355							440		1355					2	66

NOVIA NYA: Avisning behövs idag Observera deicing tider

Description

Search:	- Search
View:	- View
Filter:	- Filter
Start Date:	- Start Date
Time:	- Time
Days:	- Days

Function buttons

	Browse up on page.
	Browse down on page.
	Add Flight.
	Move highlighted flight to top of page.
	Selection Criteria.
	Reset time and date to actual.
	Get review values for column.
	Refresh Page.
	<F2> Time-stamps highlighted time cell with actual time.
	<F3> Time-stamps highlighted flight with engine start-up time.
	<F5> Time-stamps highlighted flight with Approach time.
	<F6> Time-stamps highlighted flight with Touch down time.
	<F7> Time-stamps highlighted flight with On- or Off-Block time.
	<F8> Time-stamps highlighted flight with Airborne time.
	Delete a flight.
	Resync Public Information.
	Start the Log module for surface movements.



Enable/Disable alarms.



Start the Runway configuration module.



Start the Important Information module.



Exit ViewMaster

A search interface with a text input field and two buttons labeled 'F' and 'R'.

Search field to search for a specific Flight nbr (F). Aircraft registration (R).

Start date: 2004-03-02 Time: 13:45

Date and time field to display flights for different days and/or times.

for: 1 days

The number of days (Forward and Backwards) that is showed on the screen.

View: AKTIVA

View chooser. Here you choose the View that you want to use in ViewMaster.

Filter:

Filter chooser. Here you choose the filter that you want to use to filtrate the flights in ViewMaster.



Clear-button, to de select a filter.

Status bar with columns: Status, SAPERSKN, ARN_T, 2006-03-24, 12:34 LOC

- On the status bar at the bottom of you screen you find information about:
- Current activity (Status column)
- Which User/Function are currently logged in.
- Which SAFIR database used.
- Actual date
- Time in LOC (Local) or UTC (GMT).

SELECTION CRITERIA

The **Selection Criteria** is used to chose which, and how the flights are to be presented in *ViewMaster*. There are two clickable folders in **Selection Criteria**, *Basic* and *Advanced*.

Basic

The screenshot shows a dialog box titled "View Master Selection Criteria" with a close button (X) in the top right corner. The dialog has two tabs: "Basic" (selected) and "Advanced".

Grid

- Refresh Time in Minuits: 1
- Max Rows Displayed: 26
- Layout options: Non-split, Horizontal, Vertical, Integrated

Arr / Dep

- Options: Arrivals, Departures, Mixed, Arrival, Departures

Include

- International, Domestic, Schengen, European

Local

- Show, Hide


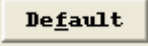

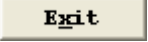
Time

- Local, UTC

Buttons at the bottom: OK, Default, Apply, Exit.

Description

Grid	
Refresh time:	- The grid is automatically updated every XX minutes.
Max Rows Displayed:	- Nbr of visible rows in ViewMaster.
Non-split:	- Non-split View
Horizontal:	- Horizontal split of View
Vertical:	- Vertical split of View
Integrated:	- Integrated View
Arr / Dep	- Arrival / Departure
Arrivals	- Arrivals
Departures	- Departures
Mixed	- Mixed (Arr. and Dep.)
Arrival, Departures	- Separated Arrival and departures
Include	-
International	- International
Domestic	- Domestic
Schengen	- Schengen
European	- European
Local	- Local flights
Show	- Show
Hide	- Hide

Time	
Local	- Display local time
UTC	- Display time in UTC
	- Confirm, and Close
	- Revert to default values
	- Confirm, without close
	- Exit, without saving the changes

The principle is that under *Grid*, you choose how the view should look (non-split, vertical or horizontal split)

Under *Arr/Dep*, you choose which flights to include (Arr and/or Dep) and in which split you would like them.

Under *Include*, you choose which type of flights you want to include.

Under *Local*, you choose if you want to display local flights or not.

Under *Time*, you chose if time should be displayed in UTC-time or Local time.

Advanced

Under the *Advanced-Tab* you can, for example, chose to only show flights for one or more Airline, or, for one or more Terminals. By default All terminals and All operators are shown.

From the drop-down menu *Available* you select the Terminal and/or Operator that you want. If you want more than one, you go through the same procedure again.

To delete a selected Terminal and/or Operator, you highlight each item you want to delete and press <Backspace>.

View Master Selection Criteria

Basic

Terminals

Available: [] ↓

Selected: All

Operators

Available: [] ↓

Selected: All

Codes

IATA ICAO

Sequence

STO PTO

Shared

Show Hide

CNL/DIV

Show Hide

Advanced

Operated Arr/Dep

Show Hide

Offset Time / Field: 15 [] [] BLK [] ↓

Operated Dep

Show Hide

Offset Time / Field: 15 [] [] ATO [] ↓

No Handled

Show Hide

OK Default Apply Exit

Description

Terminals	
Available	- Available
Selected	- Selected
Operators	
	- Operators (Airlines)
Available	- Available
Selected	- Selected
Codes	
	- Codes
IATA	- IATA format
ICAO	- ICAO Format
Sequence	
	- Sequence
STO	- Scheduled Time of Operation
PTO	- Probable Time of Operation
Shared	
Show	- Show <i>Code shared</i> flights
Hide	- Hide <i>Code shared</i> flights
CNL / DIV	
Show:	- Show <i>Cancelled</i> and <i>Diverted</i> flights.
Hide:	- Hide <i>Cancelled</i> and <i>Diverted</i> flights.

Time	- Time
Local	- Local
UTC	- UTC (GMT)
Operated Arr / Dep	- Operated flights
Show	- Show
Hide	- Hide
Offset	- Flight is hidden in View Master after Offset minutes have passed according to time column selected in the Time / Field .
Time / Field	- Field to decide when to hide flights in View Master .
Operated Dep	Operated departures
Show	- Show
Hide	- Hide
Offset	- Flight is hidden in View Master after Offset minutes have passed according to time column selected in the Time / Field .
Time/Field	- Field to decide when to hide flights in View Master .
No Handled	
Show	- Show
Hide	- Hide
OK	- Confirm, and Close
Default	- Revert to default values
Apply	- Confirm, without close

Exit

- Exit, without saving the changes

CODE SHARE

Code shared flight are administrated under **Code Share**. Here you can add or delete code shared flights.

Code Share is use for single shared flights (Adhoc). To administrate a code share flight for more than just a single flight you use the **Long Term Code Share Module**.

Flight	Relation
LH 3033	Parent
SK 3697	Child

Description

Parent:	- Parent flight number:
Child:	- Code share With:
FLTop	- Operator
FLTNr	- Flight number
Share	- Add shared flight
Relation	- Existing code share for parent flight
Flight	- Flight
Relation	- Parent or Child
Delete	- Delete
Exit	- Exit

DELAYS

Delay reason is entered in **Delays**. The first thing you need to be familiar with is that in SAFIR is possible to use three different types of Delay reasons/codes.

1. IATA – standard code
2. Operator (Airline) specific code
3. Internal-, Handler specific code

Code	Code	Desc	Oper
02	EO	EO SAS DOM	
06	OA	OWN AIRLINE	
09	SG	SCHE. G TIME	
11	PD	LATE CHECK-IN	
12	PL	LATE CHECK-IN	

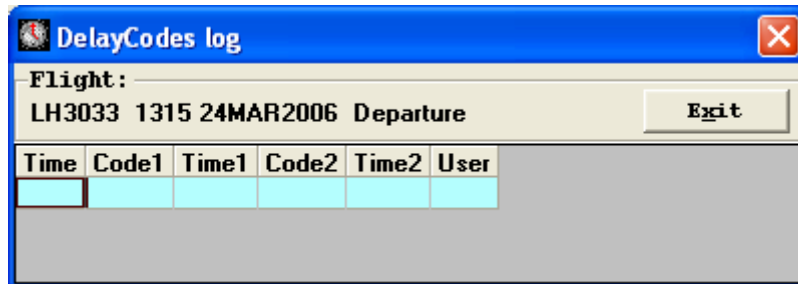
Description

Flight:	- Flight number, date, time, Departure or Arrival
Delay 1	- Delay reason nbr 1
Code	- Delay Code
Time	- Delay Time
Delay 2	- Delay reason nbr 2
Code	- Delay Code
Time	- Delay Time
Total (min) ...:	- Sum of Delay time 1 and Delay time 2.

Update	- Update
Clear	- Clear Fields
Code	- Delay reason code
Code	- Delay reason code nbr
Desc	- Description
Oper	- Operator (Airline)
Logg	- Log file
Intern	- Internal-, Handler specific codes
Exit	- Exit

Log

In the log you can see which delay reason codes that have been entered for a specific flight. You can see which delay codes that have been entered, when and by whom they have been entered.



Description

Flight:	- Flight umber:
Exit	- Exit
Time	- Time
Code1	- Delay Code for delay reason nbr 1
Time1	- Delay Time for delay reason nbr 1
Code2	- Delay Code for delay reason nbr 2
Time2	- Delay Time for delay reason nbr 2
User	- User / Function

Intern

When you click on the **Intern** button you can add Internal-, Handler specific Codes. You can add as many Internal codes, as you like. Internal-, Handler specific Codes are not presented in public (on public screens) and are not presented on any telex. Internal-, Handler specific Codes are only logged in SAFIR for each flight.

The screenshot shows a software window titled "Internal Delays". At the top, there is a "Flight:" label followed by a text box containing "LH3033 1315 24MAR2006 Departure". Below this, there are two input fields labeled "Code" and "Time" under the heading "Delay 1:". To the right of these fields are three buttons: "Add", "Clear", and "Delete". A table with two columns, "Code" and "Time", is positioned to the right of the input fields. At the bottom of the window, there are three buttons: "Logg", "Back", and "Exit".

Description

Flight:	- Flight number, time, date, departure or arrival.
Delay 1	- Delay reason nbr 1
Code	- Delay Code
Time	- Delay Time
Add	- Add delay reason
Clear	- Clear
Delete	- Delete
Code	- Delay code
Time	- Delay Time
Logg	- Log
Back	- Go back (To previous page.)
Exit	- Exit

PASSENGER BY ROUTE

One important thing to do in SAFIR is to enter and verify the traffic load for all the flights. In **Passenger by Route** you enter information about the number and seating conditions of passengers, weights for bags, cargo and mail. These figures are the data that SAFIR uses for the telex to be sent for each flight. These are also important figures for airport- and handling fees.

SAFIR is handling arriving **LDM** (*Load message*) automatically (If it's send within the correct IATA standard format.).

Passenger by route
✖

Search Criteria

Flight:	Schedule Date:	Arr/Dep	Status
<input type="text" value="JZ431"/>	<input type="text" value="2006-03-24"/>	<input type="radio"/> Arrival <input checked="" type="radio"/> Departure	<input checked="" type="checkbox"/> Actual <input type="checkbox"/> Booked

JZ431 0845 24MAR2006 Departure Actual Passengers

Loc	Dest	M	F	C	I	1	2	3	4	Bags	Weight	Freight	Mail
1	HAD	12	22	33							420	0	
		12	22	33							420		

Total PAX of M/F/C is 67 Including:

Normal PAX M/F/C.....:	<input type="text" value="67"/>	Transit.....:	<input type="text" value="0"/>	Descriptions
Transfer.....:	<input type="text" value="0"/>	Passive Crew.....:	<input type="text" value="0"/>	
Transfer int-int <4h:	<input type="text" value="0"/>	Feeder/Transferfree..:	<input type="text" value="0"/>	

OK	Refresh	Apply	Exit
----	---------	-------	------

Description

Flight:	- Flight number
Schedule Date	- Schedule date
Arr/Dep	
Arrival	- Arrival
Departure	- Departure
Status	
Actual	- Actual figures
Booked	- Booked figures
Rout(s):	
Loc	- Location (In this case, Destination nbr...)
Dest	- Destination
No of Pax	- Nbr of Passengers
M	- Male
F	- Female
C	- Child
I	- Infants
Class	- Class
1	- Highest class (usually first class)
2	- Second highest class (usually Business-class)
3	- Second lowest class (Usually Tourist class)

4	-	Lowest class (Usually Charter class)
Bags	-	Nbr of Bags
Weight	-	Baggage Weight
Freight	-	Cargo
Mail	-	Mail
Total PAX of M/F/C is XX Including		
Normal PAX M/F/C	-	Nbr of normal PAX
Transfer	-	Nbr of Transfer passenger
Transfer int-int <4h	-	Nbr of Transfer int-int < 4h passenger
Transit	-	Nbr of Transit passenger
Passive Crew	-	Nbr of Passive Crew
Feeder/Transferfree	-	Nbr of Feeder/Transferfree passenger.
Descriptions	-	Show textual description of passenger categories.
OK	-	Confirm, and Close
Refresh	-	Update page
Apply	-	Confirm, without Closing
Exit	-	Exit, without saving

Description

Flight:	- Flight number
Schedule Date:	- Schedule Date
Arr/Dep	
Arrival	- Arrival
Departure	- Departure
Status	
Actual	- Actual figures
Booked	- Booked figures
Rout (s)	
Loc	- Location (In this case Destination nbr...)
Dest	- Destination
No of Pax:	- Number of Passengers
M	- Male
F	- Female
C	- Child
I	- Infants
Class	- Class
1	- Highest class (usually first class)
2	- Second highest class (usually Business-class)
3	- Second lowest class (Usually Tourist class)
4	- Lowest class (Usually Charter class)
Bags	- Baggage
Weight	- Baggage weight

F reight	-	Cargo
M ail	-	Mail
Pockets:		
A	-	Pockets "A"
B	-	Pockets "B"
C	-	Pockets "C"
D	-	Pockets "D"
E	-	Pockets "E"
R	-	Review
OK	-	Confirm, and Close
Refresh	-	Update
Apply	-	Confirm, without close
Exit	-	Exit, without saving the changes

Update pockets

Search Criteria

Flight: JZ204 Schedule Date: 2006-03-24

Arr/Dep: Arrival Status: Actual
 Departure Booked

JZ204 0845 2006-03-24 Arrival

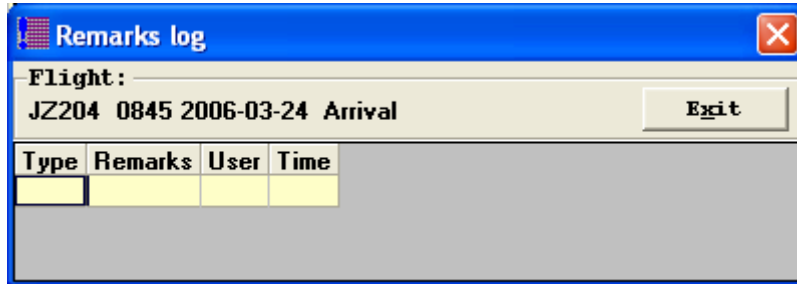
Loc	Dest	M	F	C	I	1	2	3	4	Bags	Weight	Freight	Mail	Pockets:				
1	KSD													A	B	C	D	E
															R			

OK Refresh Apply Exit

To the right you find the field for the baggage pockets named A to E. You change the baggage pocket by entering the desired pocket in the field, or by clicking on the "R" - icon (Review) seen to the right of the field and choose pocket from the list.

REMARKS LOG

Most things that are amended in SAFIR are saved in different log-files depending of what kind of amendment that has been done. The log files often include information of who, which and when changes have been made. **Remarks Log** is one of those log-files. Under the "Subordinates" menu you find **Remarks Log**. All Amendments done regarding remarks (both internal- and public remarks.) is saved in this log file.



Description

Flight:	- Flight number, time, date, Arrival or Departure
Exit	- Exit
Type	- Type of Remark
Remarks	- Description of the remark
User	- User/Function
Time	- Time

STAND/GATE ALLOCATION LOG

In *Stand/Gate Allocation Log* information is saved about the changes in gates and/or parking stands for a flight.

Update time	User	Dept	Source	Requirement	Stand/G	Side On	Status	Nature
0747 24MAR2006	Edifact	--		0747 24MAR2006	54 /54		On	Allocated

Description

Flight:	
Flight Number	- Flight number
Time	- Time
Date	- Date
Departure or Arrival	- Departure or Arrival
Both	- Show both stand and gate
Stand	- Show stand
Gate	- Show gate
Exit	- Exit
Update	- Update
User	- User/Function
Dept	- Department
Source	- Source

Requirement	- Requirements
Stand/Gate or Gate or Stand	- Parking stand and Gate or just Gate or Stand.
Side On	- Side
Status	- Status
Nature	- Nature of flight

TIMES LOG

All time-changes for a flight are logged in SAFIR. All time changes can be found in the *Times Log*.

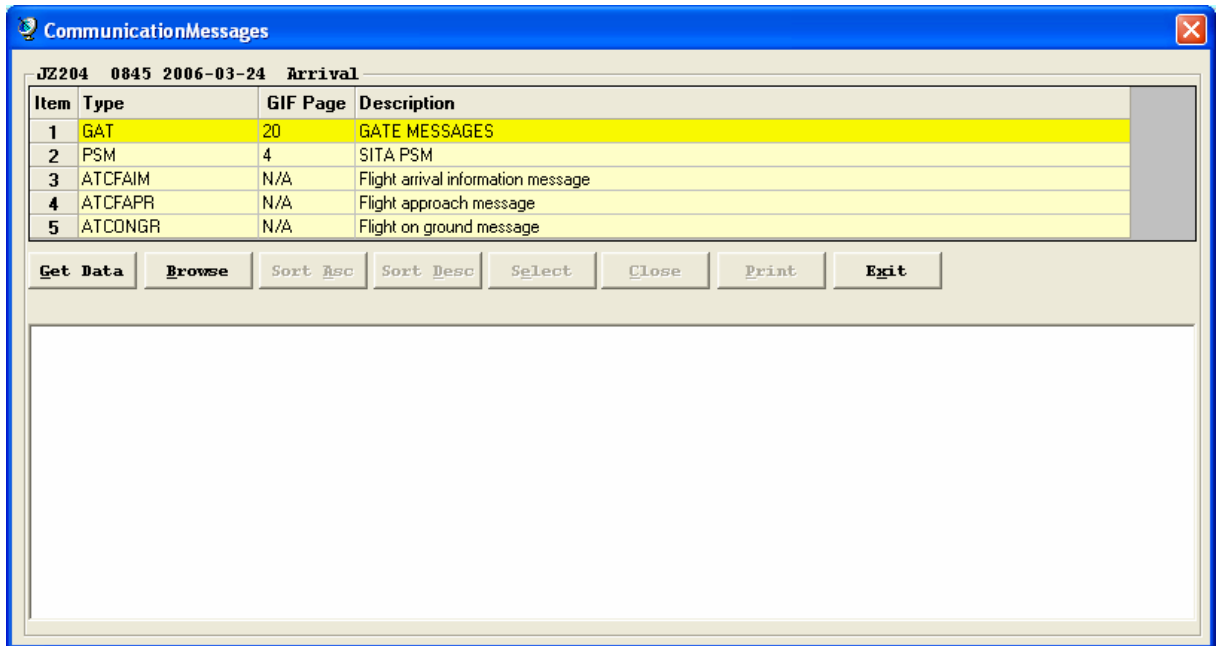
Call	ETO	ATO	BLK	Door	CTOT	APR time	ITO	User	Update time
0	0926	0923	0933			0923	0926	Auto ONB	0933 24MAR2006
0	0926	0923				0923	0926	ATCONGR	0922 24MAR2006
0	0926					0923	0926	ATCFAPR	0919 24MAR2006
0	0926						0926	ATCFAIM	0840 24MAR2006

Description

Flight:	- Flight number, time, date, departure or arrival.
Exit	- Exit
Call	- Call number. Not used in this version of SAFIR
ETO	- Estimated Time Of Operation
ATO	- Actual Time Of Operation
BLK	- On/Off block
Door	- Door
Calc	- Calculated
Finals	- Number of Finals
ITO	- Internal Time Of Operation
User	- User/Function
Update	- Update

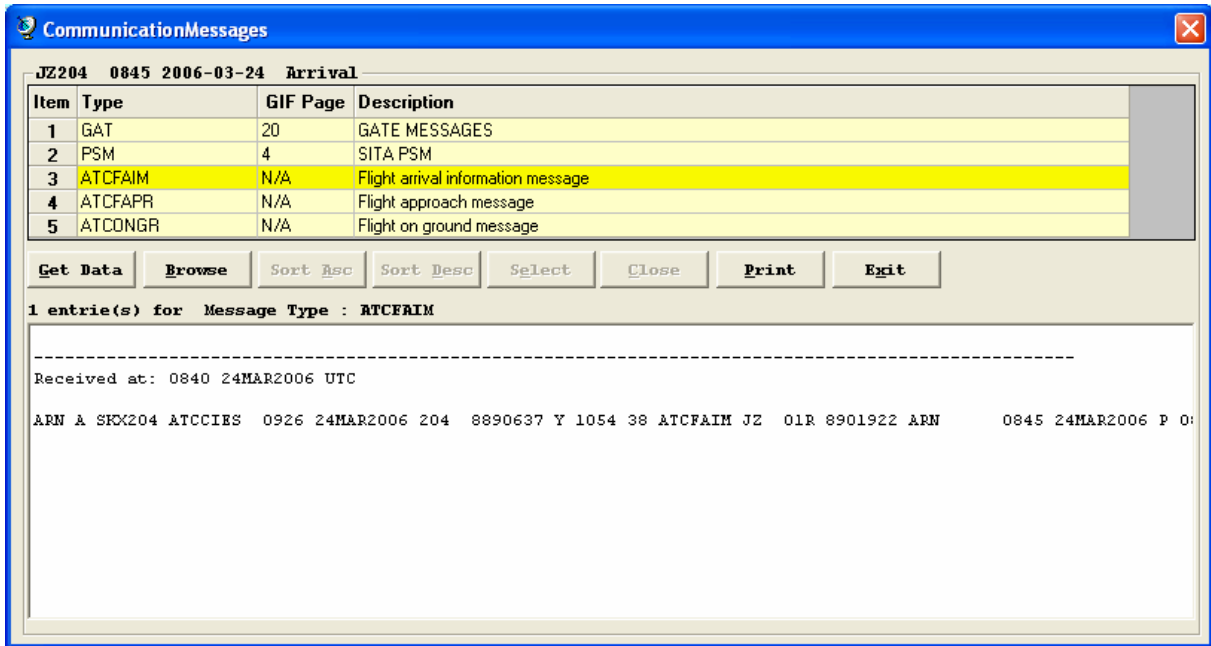
COMMUNICATION MESSAGES

All communication messages that passes through SAFIR is saved for each flight. If you would like to see what messages are sent or received for a particular flight you first highlight a flight in ViewMaster and then choose **Communication Messages** from the "Subordinates" menu.



If you for example are looking for an arriving Movement message, this is where you will find it (If it was sent to you within the correct IATA-standard format.). If you can't find the message you are looking for, you have to go to the **Message Editor** and look it up, amend it and "process" it.

To view the actual message highlight Movement Message in the Descriptions column and press **Get Data**. The message is now visible in the window below.



Description

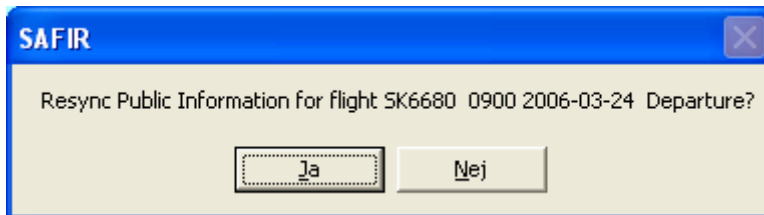
Item	
TYPE	- Type of message
GIF Page	- GIF page for SITA messages
DESCRIPTION	- Description
Get Data	- Get Data
Browse	- Browse
Sort Asc	- Sort Ascending
Sort Desc	- Sort Descending

Select	- Select
Close	- Close
Print	- Print
Exit	- Exit

RESYNC PUBLIC INFORMATION

This function is used to delete and update public information for a selected flight. It is normally used when public information for a flight is corrupt.

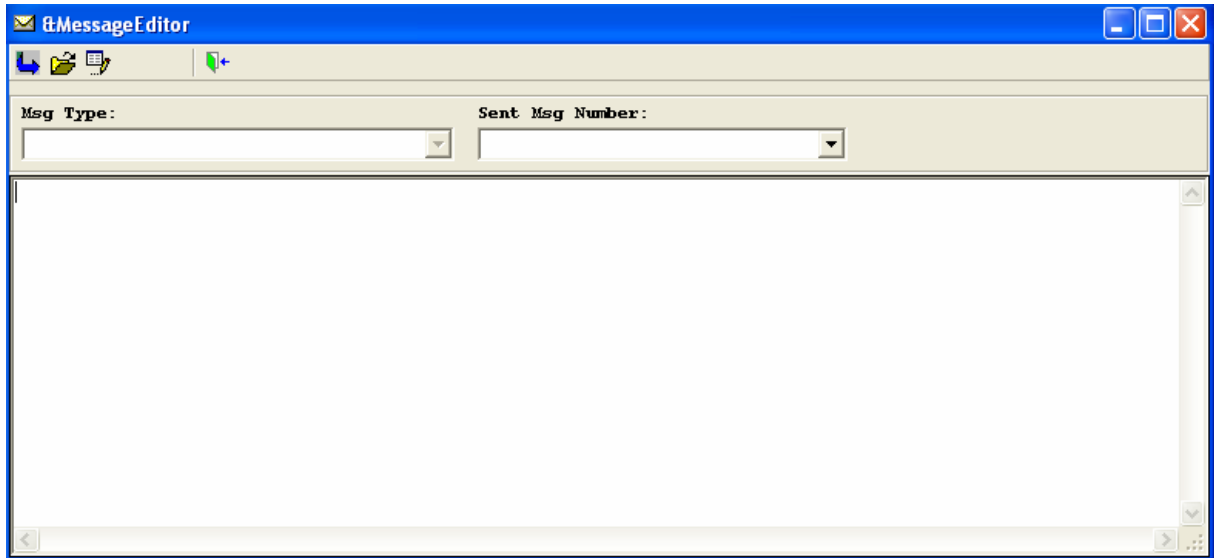
Access to this function depends on the level of your logon account. The function can be reached either from the "Subordinates" menu or by pressing <AltGr> + <Y> after selection of desired flight in *Viewmaster* by highlighting the flight in the grid.








After *Resync Public Information* has been activated the system requires you to confirm your selection. Chose Ja to continue or Nej to abort the operation.

SITA FLIGHT MESSAGE EDITOR

You send and re-send SITA Telex with **SITA Flight Message Editor**. You can reach the Message Editor from "Subordinates" the menu or by pressing <Ctrl> + <M>. Highlight the flight you wish to send telex for and start the *SITA Flight Message Editor*.




Description

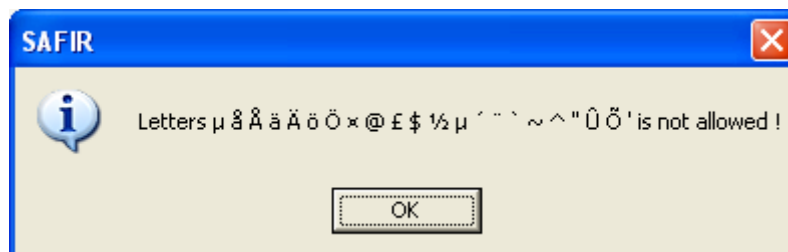
Message Type	- Type of message (IATA-standard)
Sent Msg Number	- Message number
	- Process
	- Import file
	- Edit message
	- Print
	- Exit SITA flight message editor

Next thing to do is to choose witch type of message you would like to send for that particular flight. Choose a telex-type under *Message Type*. As you choose a telex-type, SAFIR is collecting necessary data for your telex. SAFIR is retrieving telex-addresses, retrieving data about the aircraft and it's load etc.



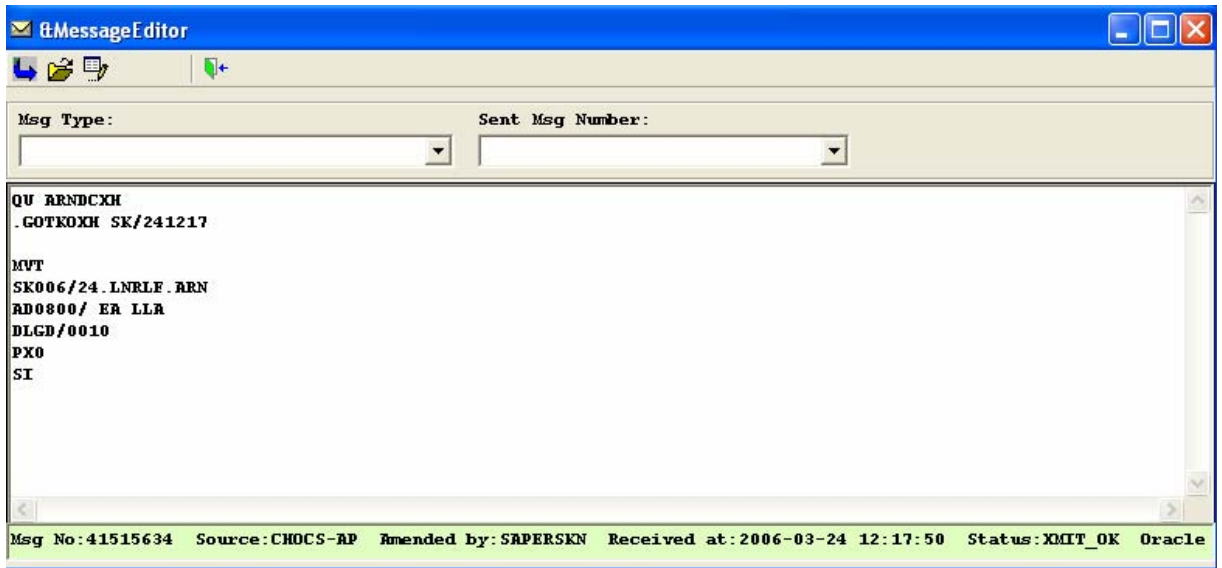
It's always important to check if the retrieved information is correct before you click on  to send your telex.

If your telex includes the information: "~No Data~", so does it mean that the data that should have been entered there is missing in SAFIR. It could be, for example, information about the number of Male, Female, Crew, Registration or other. If you try to send your telex anyhow, you will be prompted information about that you have to amend these fields:



To be able to send a telex all the "~No Data~" fields have to be changed to valid data.

When your telex has been sent you will be able to see the actual message number for your telex in the **Sent Msg Number** dropdown list. You will also see the status of the message in the status field at the bottom of the **SITA Flight Message Editor**.



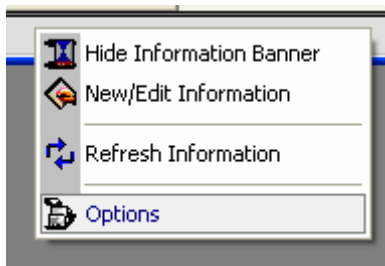
You can use the **Sent Msg Number** dropdown list to select, view or resend already sent messages. The status field will also show if there have been some errors when sending your telex.

IMPORTANT INFORMATION

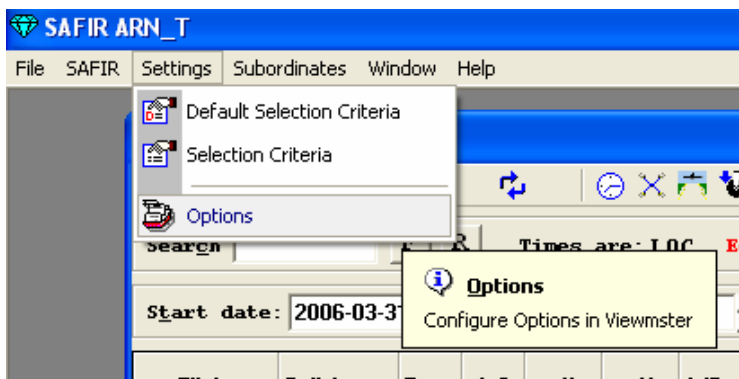
For a detail description of how to update important information in SAFIR se the section Important Information in the Administration chapter earlier in this manual.

Settings for Important Information in Viewmaster

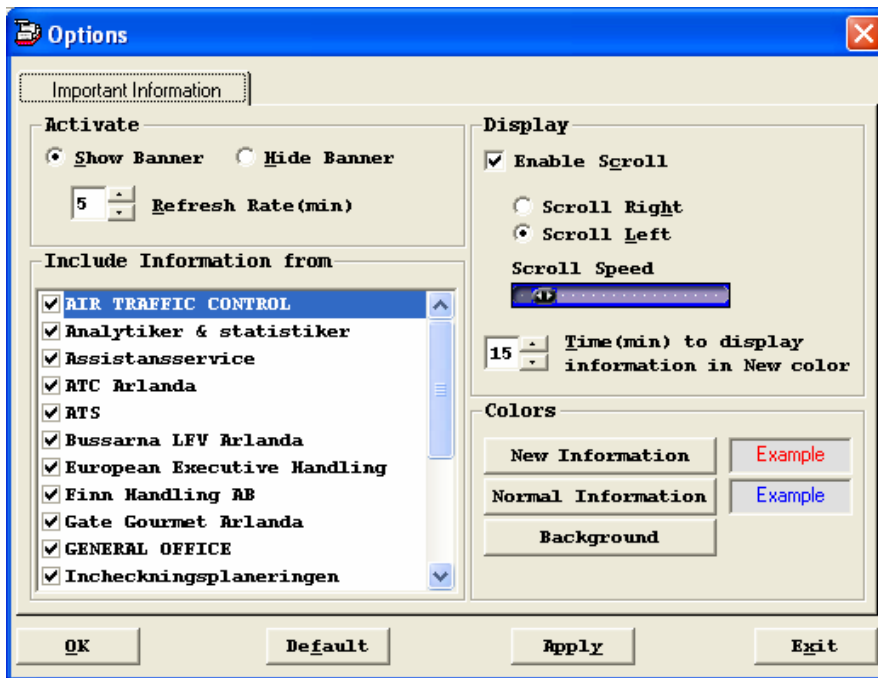
To access settings for Important Information in Viewmaster right click the information banner located at the bottom of the *Viewmaster* form and select **Options**



or select the **Options** menu from the menu Settings.



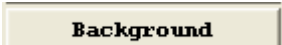
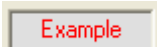
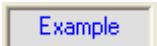
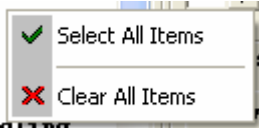
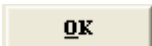


The *Option* form will appear




The *Option* forms folder Important Information is used to control the behavior of the Information banner in the *Viewmaster* module

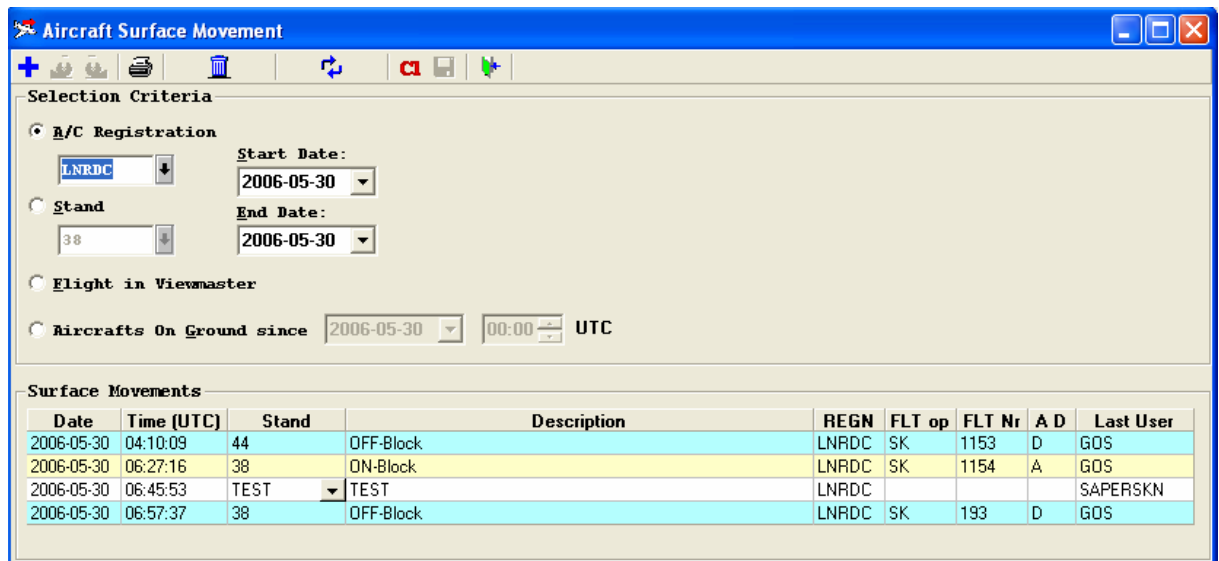
Description

Activate	
Show Banner	- Show the information banner in Viewmaster
Hide Banner	- Hide the information banner in Viewmaster
Display	
Enable Scroll	- Enable scroll function in Information banner
Scroll right	- Scroll from right
Scroll Left	- Scroll from left
Scroll speed	- Scroll speed of the text
Time to display information in new color	- Time in minuits to display new information in a different color
Colors	
	- Set color for new information
	- Set normal color for information
	- Set background color in the information banner
	- Color example for new information
	- Color example for normal information
Include information from	
List of departments	- To include information from desired departments select them here. Right click to Select/Deselect all departments.
	
	- Confirm, and Close

Default	- Revert to default values
Apply	- Confirm, without close
Exit	- Exit, without saving the changes

AIRCRAFT SURFACE MOVEMENTS

There is a possibility to log surface movements of aircraft between ON and OFF block times. As an example, if an aircraft is moved to a ramp or a hangar, this type of information can be logged from the **Aircraft surface movement** module. The **Aircraft surface movement** module is launched from the button  in the **View Master** toolbar. When the module is launched data from the selected flights A/C-registration between the start date and end date in **View Master** is transferred to the **Aircraft surface movement** module and the surface movements for the A/C-registration is showed.



Date	Time (UTC)	Stand	Description	REGN	FLT op	FLT Nr	A D	Last User
2006-05-30	04:10:09	44	OFF-Block	LNRDC	SK	1153	D	GOS
2006-05-30	06:27:16	38	ON-Block	LNRDC	SK	1154	A	GOS
2006-05-30	06:45:53	TEST	TEST	LNRDC				SAPERSKN
2006-05-30	06:57:37	38	OFF-Block	LNRDC	SK	193	D	GOS










There are three other search criteria's available as described below:

To show the surface movements for the selected flight in the **View Master** click the radio button named "**Flight in Viewmaster**" and movements between the ON and OFF block event (if exists) will be shown.


If the radio button named "**Stand**" is selected all movements logged at selected stand between start date and end date will be shown.

At last the the radio button named "**Aircrafts On Ground since**" will display A/C registrations that has an ON-Block events but lacks an OFF-block event since selected Date and Time.

Description

Selected Flight in Viewmster:	- Flight number, time, date, departure or arrival.
	- Add a new surface movment.
	- Add a new ON-block event.
	- Add a new OFF-block event.
	- Print logged surface movments.
	- Delete a surface movment.
	- Refresh the search as defined in selection criteria.
	- Clear the surface movments area.
	- Save new surface movment(s).
	- Exit module.
Date	- Date of logged surface movment.
Time	- Time of logged surface movment.
Stand	- Stand
Description	- Description of surface movment.
REGN	- Aircraft registration
Flt op/ Flt nr	- Flight number at On/Off block time events.
A D	- Arrival or Departure
Last User	- User who last updated the log.

Log a new Surface movment

To add a new Surface movment press the  button. A new row with a time stamp and empty fields for Stand and Description appears.

Aircraft Surface Movement

Selection Criteria

A/C Registration
 OHSAP Start Date: 2006-05-30


Stand
 04 End Date: 2006-05-30

Flight in Viewmaster KF413 0655 2006-05-30 Arrival

Aircrafts On Ground since 2006-05-30 00:00 UTC

Surface Movements

Date	Time (UTC)	Stand	Description	REGN	FLT op	FLT Nr	A D	Last User
2006-05-30	06:57:36	04	ON-Block	OHSAP	KF	413	A	GOS
2006-05-30	07:53:06			OHSAP				SAPERSKN

Enter information in the Stand and Description column if necessary and press the  button to save the new information. The new surface movement is displayed.

Aircraft Surface Movement

Selection Criteria

A/C Registration
 OHSAP Start Date: 2006-05-30

Stand
 04 End Date: 2006-05-30


Flight in Viewmaster KF413 0655 2006-05-30 Arrival

Aircrafts On Ground since 2006-05-30 00:00 UTC

Surface Movements


Date	Time (UTC)	Stand	Description	REGN	FLT op	FLT Nr	A D	Last User
2006-05-30	06:57:36	04	ON-Block	OHSAP	KF	413	A	GOS
2006-05-30	07:53:06	01	BOGSERING TILL STAND 01	OHSAP				SAPERSKN

Add an ON-Block event

To add an ON-Block event for a flight, select the flight in the *View Master*, click the radio button named “**Flight in Viewmaster**” then press the  button. A new row with the description ON-Block will appear. Enter date and time for the ON-Block event.

The screenshot shows the 'Aircraft Surface Movement' window. Under 'Selection Criteria', the 'Stand' radio button is selected with '37' in the dropdown. The 'Start Date' is '2006-05-30'. The 'Flight in Viewmaster' radio button is selected with 'SK150 0715 2006-05-30 Arrival' displayed. The 'Aircrafts On Ground since' radio button is unselected. The 'Surface Movements' table contains one row:


Date	Time (UTC)	Stand	Description	REGN	FLT op	FLT Nr	A D	Last User
2006-05-30	08:06:06	37	ON-Block	LNRPB	SK	150	A	SAPERSKN

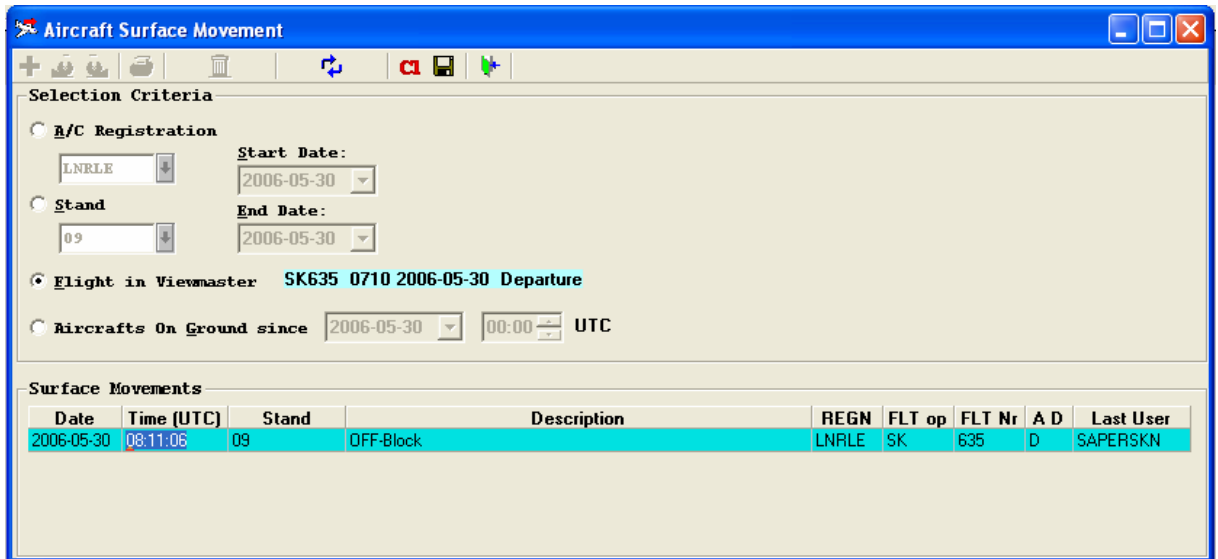
Enter information in the Stand and REGN column if necessary and press the  button to save the new information. The new ON-Block event event with its corresponding OFF-Block event (if exists) is displayed.


This screenshot is identical to the one above, showing the same selection criteria and the 'Surface Movements' table with one row: ON-Block event at 08:06:06 on stand 37.

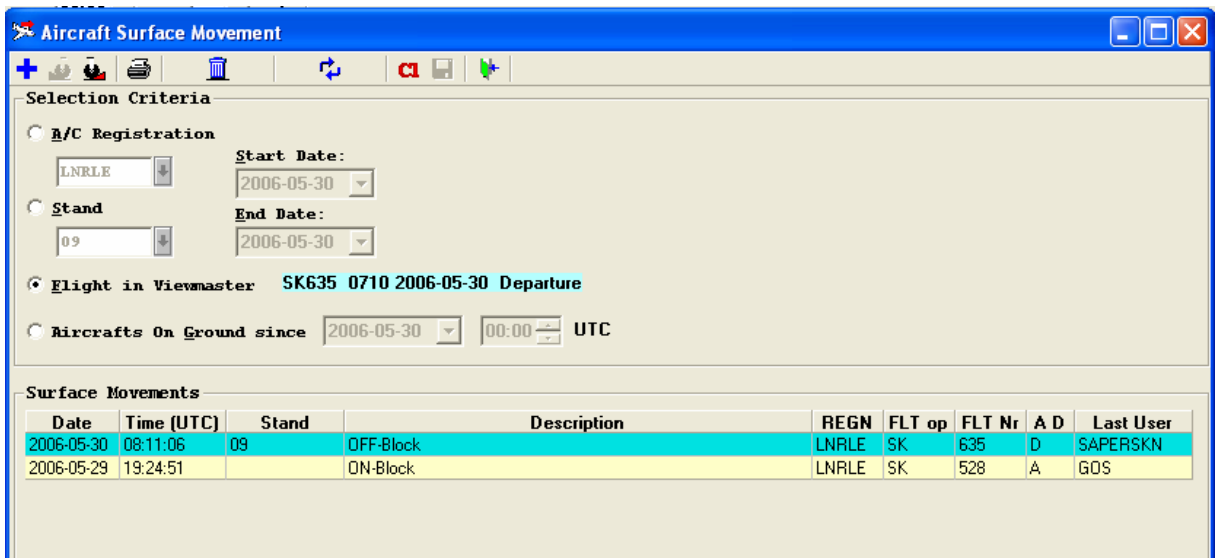
Note that when saving ON-Block events there might be some control questions before the event is saved.

Add an OFF-Block event

To add an OFF-Block event for a flight, select the flight in the *View Master*, click the radio button named "Flight in Viewmaster" then press press the  button. A new row with the description OFF-Block will appears. Enter date and time for the OFF-Block event.



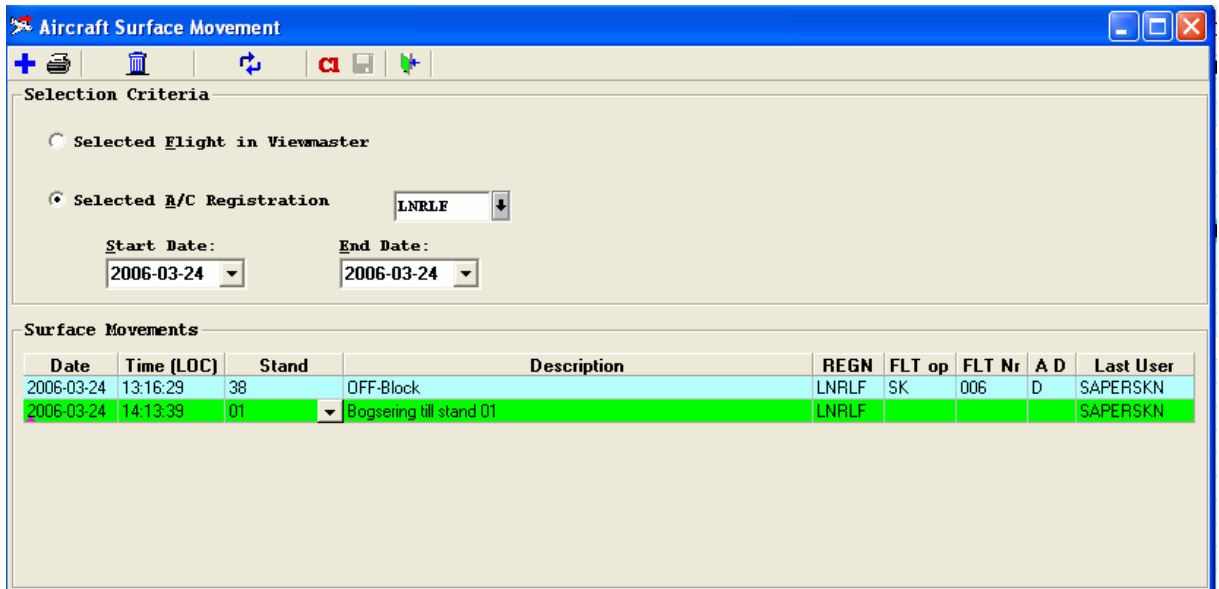
Enter information in the Stand and REGN column if necessary and press the  button to save the new information. The new OFF-Block event with its corresponding ON-Block event (if exists) is displayed.




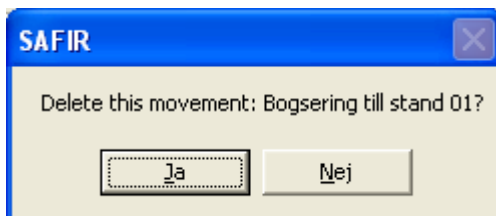
Note that when saving OFF-Block events there might be some control questions before the event is saved.

Delete a logged Surface movement

To delete a logged surface movement highlight the the row containing the surface movement to delete, by clicking it.



Press the  button and the surface movement will be deleted after confirmation from the user.



Aircraft Surface Movement

Selection Criteria

Selected Flight in Viewmaster

Selected A/C Registration

Start Date: End Date:


Surface Movements

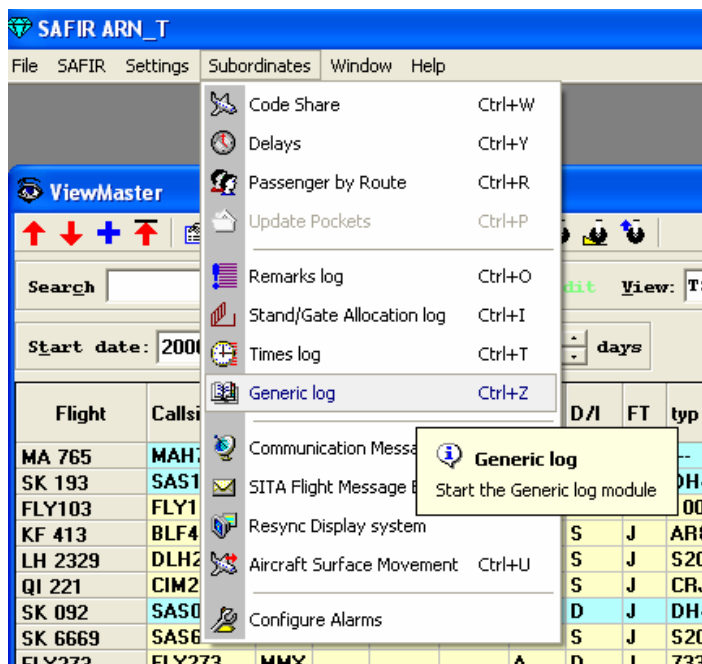
Date	Time (LOC)	Stand	Description	REGN	FLT op	FLT Nr	A D	Last User
2006-03-24	13:16:29	38	OFF-Block	LNRLF	SK	006	D	SAPERSKN

GENERIC LOG

Overview

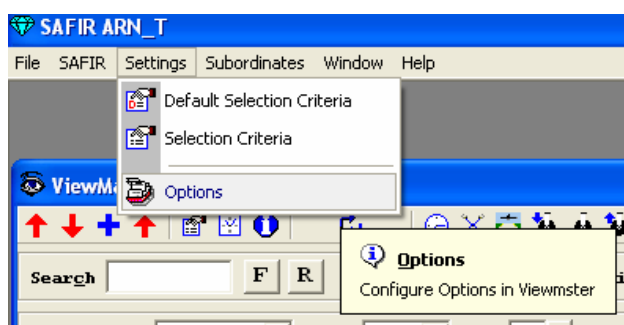
The **Generic log** module gives the user a possibility to monitor changes on several columns in Schedule file. Columns that can be monitored are available for selection in the **Generic log** module. Selected columns can then be saved under a Log definition name and are there by available for all users belonging to a SAFIR department.

The **Generic log** module is launched from the button  in the **View Master** toolbar or from the button Subordinates menu in the **View Master** toolbar.

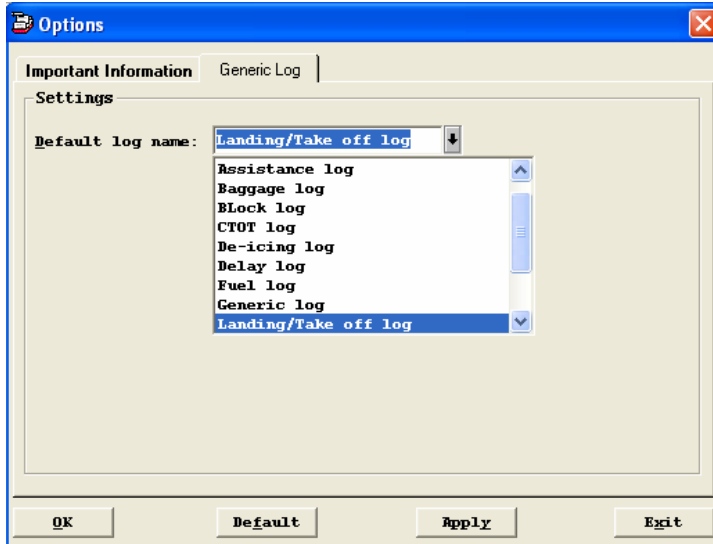


When the module is launched the module **Generic log** is displayed. If the user has selected a default log definition to be displayed that definition appears with log data for selected flight in **View Master**.

To select a default log definition to be displayed when the **Generic log** module is launched select the menu **Settings** in the **View Master** and then select **Options**.










In the popup form, select item **Generic Log** and select the desired Log Definition name from the Drop-down box.




Press  button to save the selection.

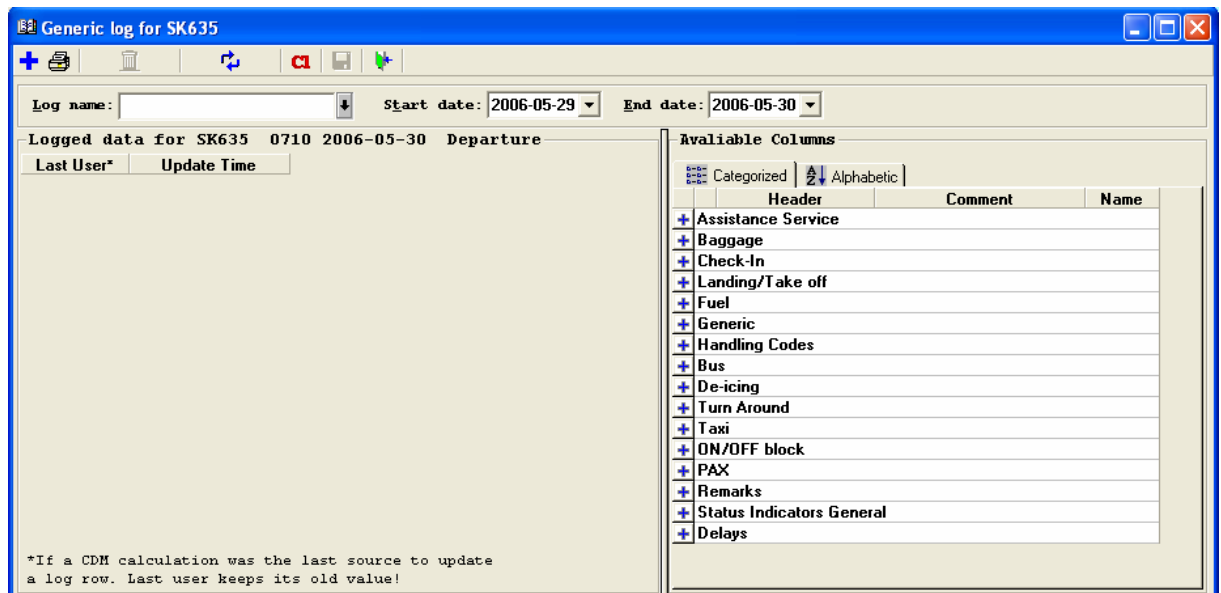
Description

	- Add a new Log definition.
	- Print displayed log data.
	- Delete a Log definition.
	- Search and display logged data if exists.
	- Clear the Generic Log area.
	- Save a new or changed Log definition.
	- Exit module.

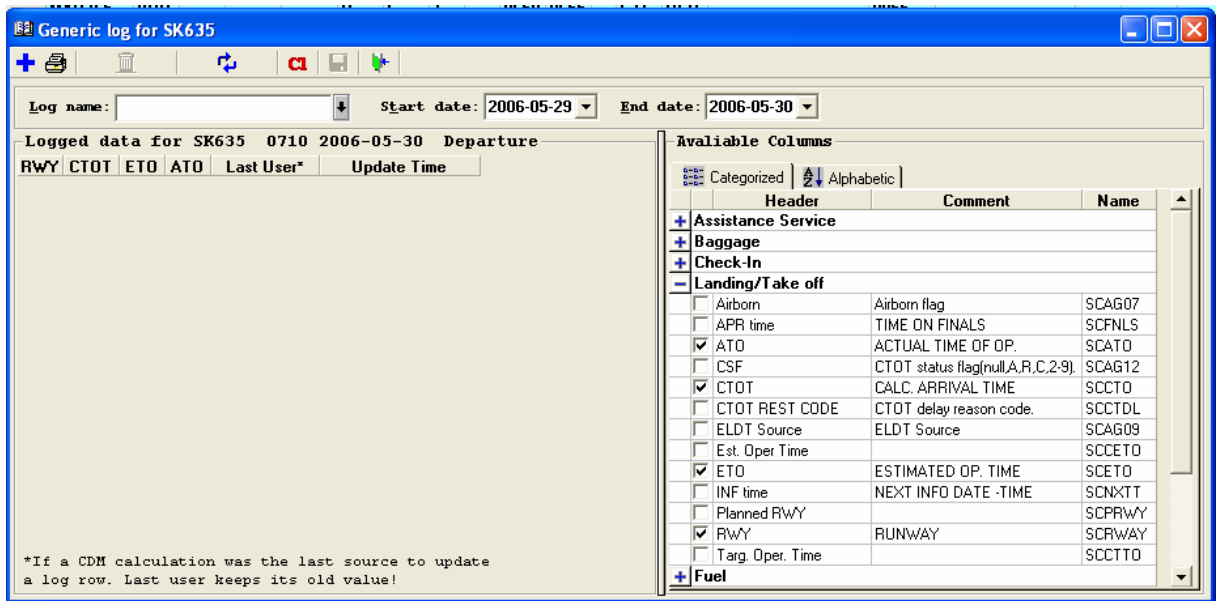
Left side of Form	
Logged data for XX123	- Displays logged data for selected flight and selected log definition if logged data exists.
Right side of Form	
Available columns	- List of available columns from Schedule file
Categorized	- Columns by category
Alphabetic	- Columns in alphabetical order
Log Name	- Name of selected Log definition.
Start Date	- Start date for search
End Date	- End date of search

Create/Change a Log definition

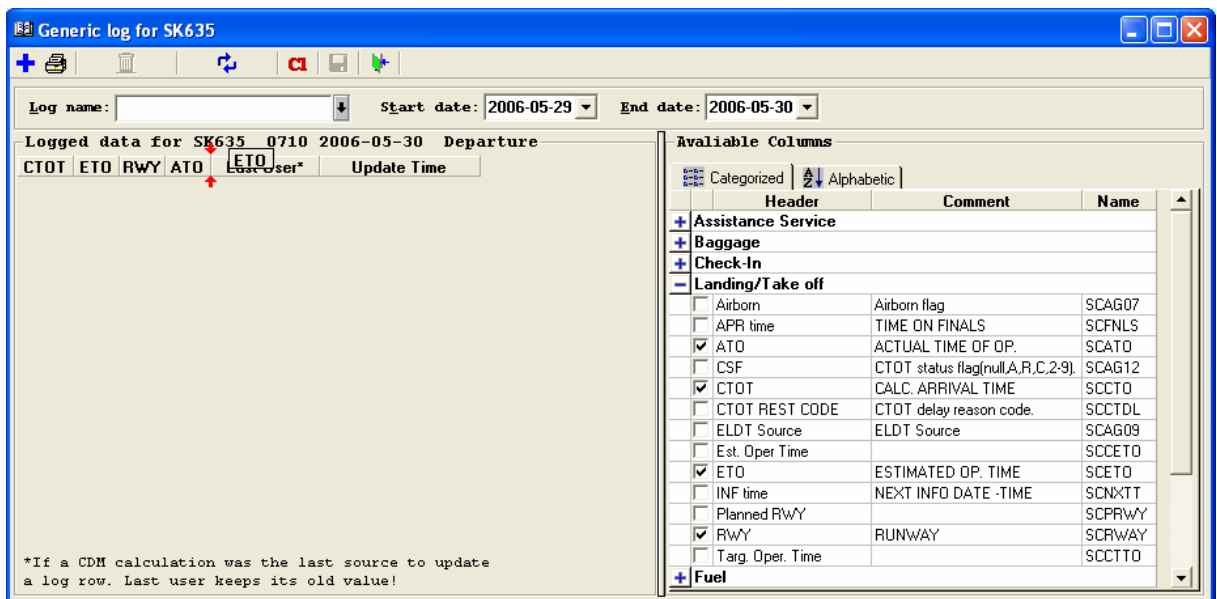
To create a Log definition, start the **Generic log** module. Press  if a default Log definition is displayed. An empty **Generic log** module is displayed.



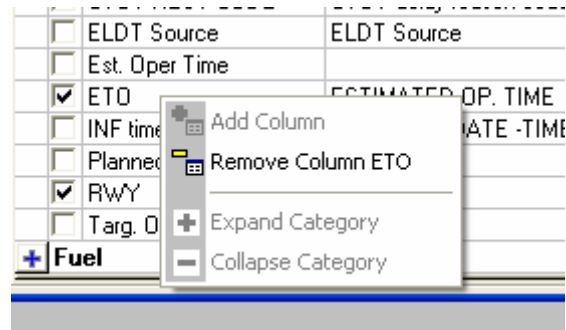
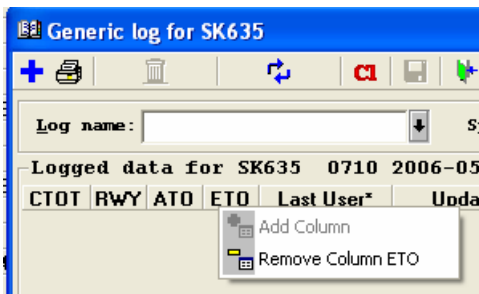
At the right side of the form select the columns you want to include in your Log definition by marking the desired columns. The marked columns appear on the left side of the form as headings in the log section.



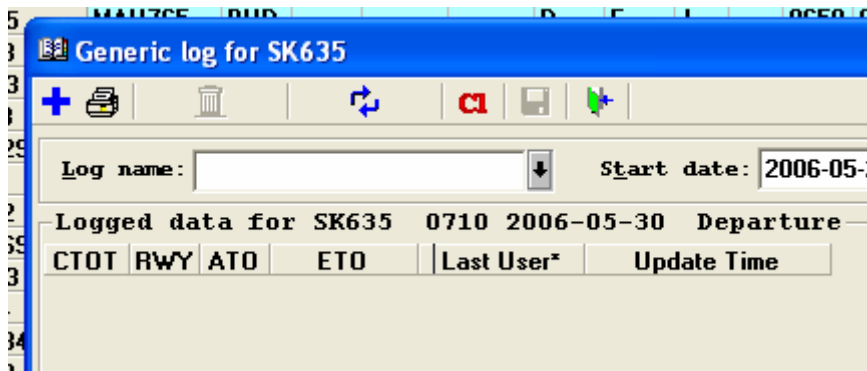
You can change the display order of the selected columns by using Drag and Drop technique in the log section.



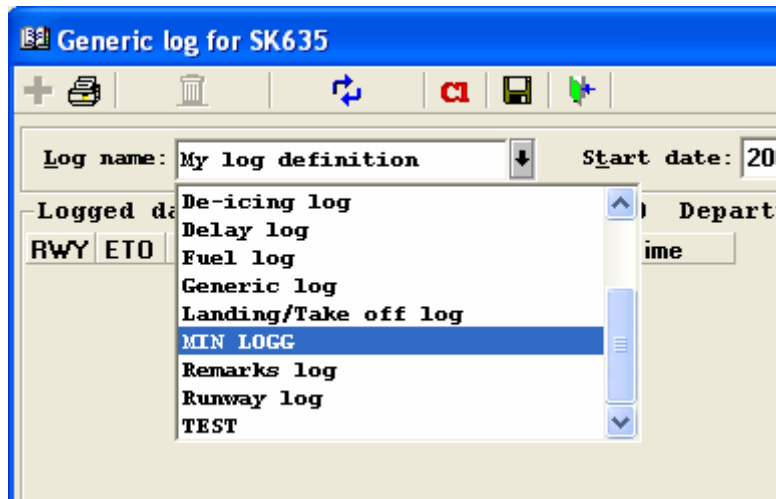
To remove a selected column from the log section either unmark it in the Available Columns section or right click the desired column and select remove from the drop-down menu.



You can adjust the size of each column by dragging the column width with the mouse

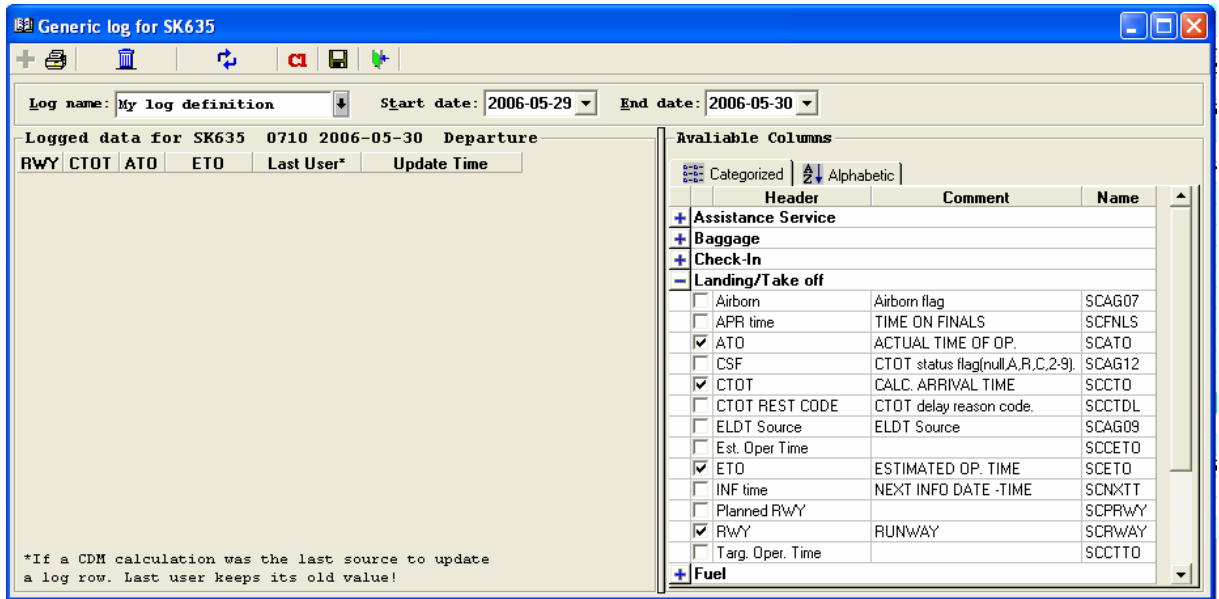


When you are finished designing your log appearance you can save it as a Log definition by a name selected by you. Enter a name in the Log name Combo Box.




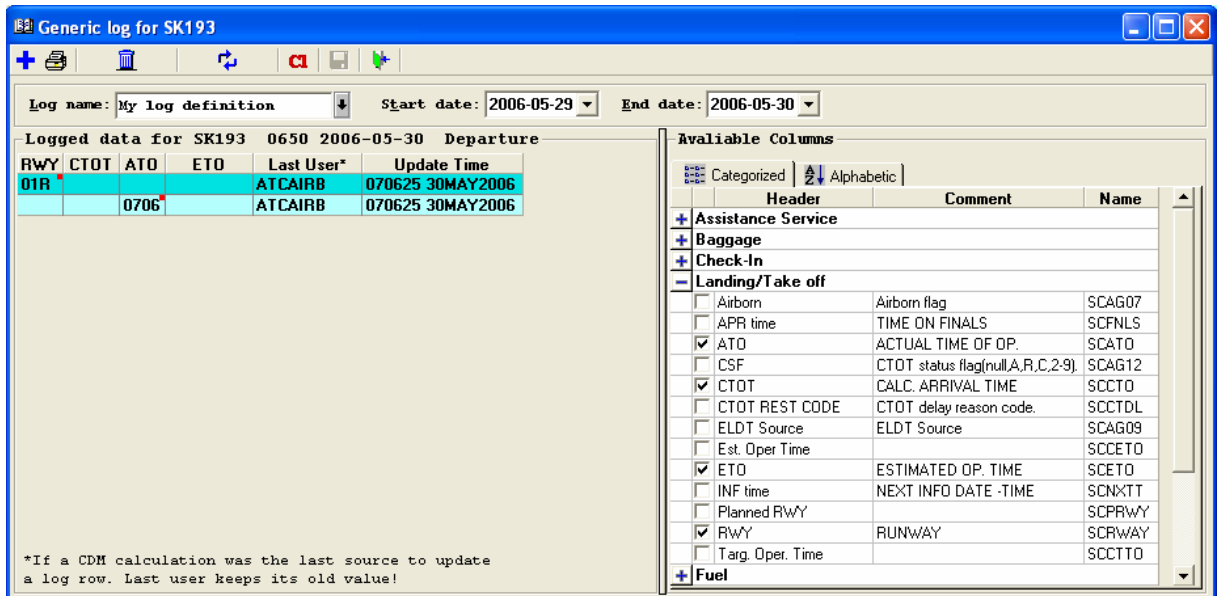
Press the <TAB> key and then press the  button. Your Log definition is now saved and ready to use.


To be able to save a Log definition the user needs to have the access privilege "**Allow Creation of Generic logs**" assigned by the system administrator.



Note that a saved Log definition is accessible to all users in the same Department.

Press the  button to get and display logged data for selected flight and Log definition.



The red dot  in the upper right corner of a cell indicates that this column had an old value before the displayed value. To see the old value, hover the mouse over the red dot and the old value will be displayed in the popup tooltip text.

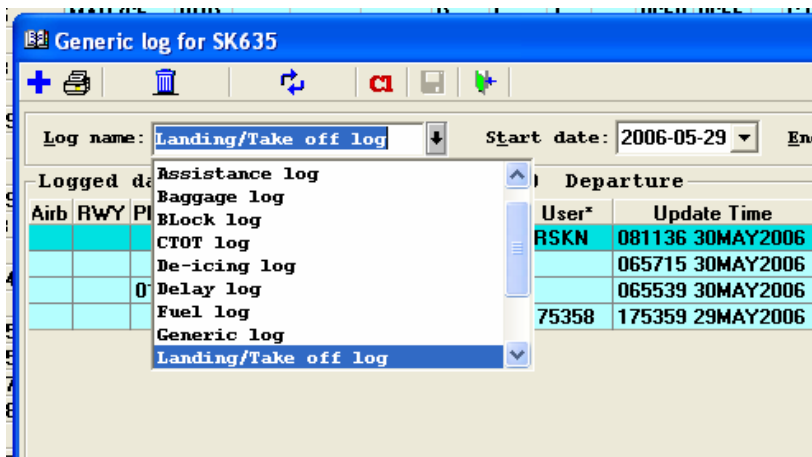
0	ETO	Last User*
0810	30MAY2006	SAPERSKN
Old value: 0800 30MAY2006		


If the old value was empty <NULL> will be displayed.

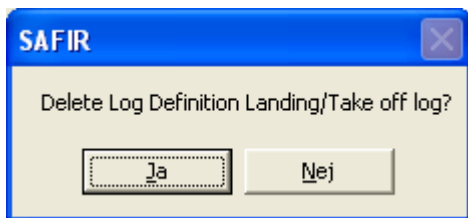
RWY	CTOT	ATO	ETO
01R			
		0706	
Old value: <NULL>			

Delete a Log definition

Select the Log definition to delete in the Log name combo Box.



Press the  button. A control question will appear.



Answer Yes and the Log definition will be deleted.

CONFIGURE ALARMS

Overview

The SAFIR client has the possibility to mark predefined columns in the *View Master* grid if certain conditions are met. This is called Alarms. To day relationships between to date/time values can be monitored.

If there are alarm situations they will be shown at predefined update time interval in the Viewmaster screen. When an alarm situation occur the leftmost column containing the flight number in the Viewmaster module will change colour. If the time field that the alarm refers to is present in the current view of the user, that field will also change colour. If the field isn't in the user's current view the user will be able to right click on the flight number and information about the alarm situation will be presented to the user via a tooltip form on the screen.

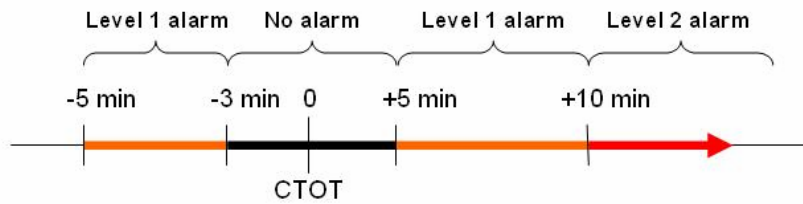
Observe that alarms are only showed for flights present on the screen. Present flights are decided by the selection criteria configured by the user for the current view in Viewmaster. If there is a wish to see alarms outside of the time window presented in Viewmaster module, the user has to change the selection criteria or use the "move to next/previous page" function. Another way to monitor alarm outside the time window in Viewmaster is to select the filter called **ALARMED_FLIGHTS**.

Alarms can be predefined at different levels, represented by different colours. Colours can be configured by the user from the **Configure Alarms** module in the *View Master* module.

As an example the CTOT compliance alarm could be configured to highlight the flight number and the CTOT field (if it's present in the current user view) in an orange or red colour depending on how the alarm intervals are set.

Alarm	Monitor	Level	Interval	Colour
CTOT Compliance	ETOT-CTOT	1	-5 to -3	Orange
CTOT Compliance	ETOT-CTOT	1	+5 to +10	Orange
CTOT Compliance	ETOT-CTOT	2	+10	Red

This table shows an example of configurable values for an alarm.



This is an illustration of how the alarm colours changes according to the settings from the above table.

Flight	To	via2	regK	regN	A/D	CTOT	C	D/I	FT	typ	STO	PTO	C
LH 3019 >>	MUC		DAVRF	DAVRF	D	1630	A	S	J	AR8	1615	1633	
AZ 141	MPX		IDACY	IDACY	D	1628	4	S	J	M82	1615	1639	
SK 673 >>	FRA		LNRFF	LNRFF	D	1705	A	S	J	736	1650	1701	
SK 579	CDG		LNRPA	LNRPA	D	1747	2	S	J	736	1725	1743	
SK 533 >>	LHR		LNRPY	LNRPY	D	1853	2	E	J	736	1805	1850	
LX 1255	ZRH		HBIPX	HBIPX	D	1913	2	E	J	319	1855	1912	
LH 3005 >>	FRA		DAIQL	DAIQL	D	1918	2	S	J	320	1855	1914	
BA 781 >>	LHR		GBNW	GBNW	D	1955	5	E	J	763	1855	1955	
SK 1527 >>	LHR		SETH	SETH	D	2019	2	E	J	736	1955	2014	
LH 3007 >>	FRA		DAIPZ	DAIPZ	D	0706	R	S	J	320	0640	0702	
AF 1263 >>	CDG		FGJNK	FGJNK	D	0707	R	S	J	735	0650	0709	
IB 3317 >>	MAD		ECHQL	ECHQL	D	0723	A	S	J	320	0650	0726	
SK 605 >>	ZRH		OYKCF	OYKCF	D		C	E	J	DH4	0710	0729	
LH 3031 >>	DUS		DACPJ	DACPJ	D	0725	R	S	J	CR7	0710	0731	
OS 318 >>	VIE		OELVE	OELVE	D	0740	R	S	J	100	0700	0738	

This figure illustrates a Level 1 CTOT compliance alarm in Viewmaster for flight SK673.

Note that the CTOT field also is highlighted because it is present in the user's current view.

If the difference increases so ETOT is CTOT + 10 minutes or more the fields will highlight in red.

Flight	To	via2	regK	regN	A/D	CTO T	C S	D/I	FT	typ	STO	PTO	C
LH 3019 >>	MUC		DAVRF	DAVRF	D	1630	A	S	J	AR8	1615	1633	
AZ 141	MXP		IDACY	IDACY	D	1628	4	S	J	M82	1615	1639	
SK 673 >>	FRA		LNRRF	LNRRF	D	1705	A	S	J	736	1650	1701	
SK 579	CDG		LNRPD	LNRPD	D	1747	2	S	J	736	1725	1743	
SK 533 >>	LHR		LNRPY	LNRPY	D	1853	2	E	J	736	1805	1850	
LX 1255	ZRH		HBIPX	HBIPX	D	1913	2	E	J	319	1855	1912	
LH 3005 >>	FRA		DAIQL	DAIQL	D	1918	2	S	J	320	1855	1914	
BA 781 >>	LHR		GBNW	GBNW	D	1955	5	E	J	763	1855	1955	
SK 1527 >>	LHR		SEDTH	SEDTH	D	2019	2	E	J	736	1955	2014	
LH 3007 >>	FRA		DAIPZ	DAIPZ	D	0706	R	S	J	320	0640	0702	
AF 1263 >>	CDG		FGJNK	FGJNK	D	0707	R	S	J	735	0650	0709	
IB 3317 >>	MAD		ECHQL	ECHQL	D	0723	A	S	J	320	0650	0726	
SK 605 >>	ZRH		OYKCF	OYKCF	D			C	E	J	DH4	0710	0729
LH 3031 >>	DUS		DACPJ	DACPJ	D	0725	R	S	J	CR7	0710	0731	
OS 318 >>	VIE		OELVE	OELVE	D	0740	R	S	J	100	0700	0738	

This figure illustrates a Level 2 CTOT compliance alarm in Viewmaster for flight SK673.

Note that the CTOT field also is highlighted because it is present in the user's current view.

When actions are taken so that all alarm conditions no longer are met the display will go back to normal colours.

Flight	To	via2	regK	regN	A/D	CTO T	C S	D/I	FT	typ	STO	PTO	C
LH 3019 >>	MUC		DAVRF	DAVRF	D	1630	A	S	J	AR8	1615	1633	
AZ 141	MXP		IDACY	IDACY	D	1628	4	S	J	M82	1615	1639	
SK 673 >>	FRA		LNRRF	LNRRF	D	1705	A	S	J	736	1650	1701	
SK 579	CDG		LNRPD	LNRPD	D	1747	2	S	J	736	1725	1743	
SK 533 >>	LHR		LNRPY	LNRPY	D	1853	2	E	J	736	1805	1850	
LX 1255	ZRH		HBIPX	HBIPX	D	1913	2	E	J	319	1855	1912	
LH 3005 >>	FRA		DAIQL	DAIQL	D	1918	2	S	J	320	1855	1914	
BA 781 >>	LHR		GBNW	GBNW	D	1955	5	E	J	763	1855	1955	
SK 1527 >>	LHR		SEDTH	SEDTH	D	2019	2	E	J	736	1955	2014	
LH 3007 >>	FRA		DAIPZ	DAIPZ	D	0706	R	S	J	320	0640	0702	
AF 1263 >>	CDG		FGJNK	FGJNK	D	0707	R	S	J	735	0650	0709	
IB 3317 >>	MAD		ECHQL	ECHQL	D	0723	A	S	J	320	0650	0726	
SK 605 >>	ZRH		OYKCF	OYKCF	D			C	E	J	DH4	0710	0729
LH 3031 >>	DUS		DACPJ	DACPJ	D	0725	R	S	J	CR7	0710	0731	
OS 318 >>	VIE		OELVE	OELVE	D	0740	R	S	J	100	0700	0738	

This figure illustrates a normal view in Viewmaster. No alarms activated.

If there are several alarms activated for one flight the leftmost column will have the colour of the highest level alarm active.

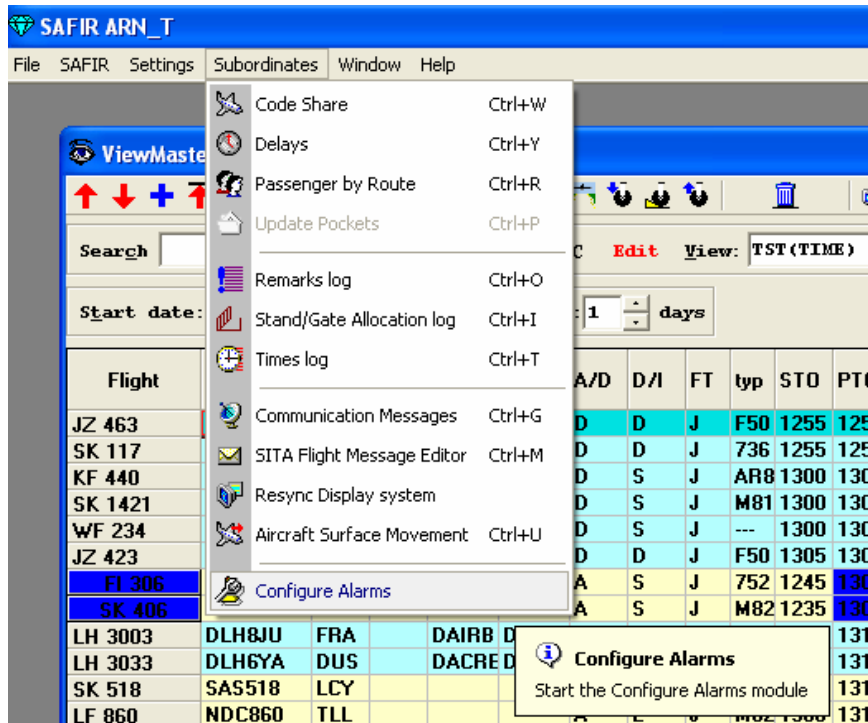
It is of course possible for the user to select which alarms to activate at the current situation. The selection is made from a sub menu in the Viewmaster form and can be saved together with information about alarm colours and intervals so that the settings

can be restored the next time the user logs on to the SAFIR system. It is also possible for the system administrator to decide and configure the default setting for new users alarm properties. In that way the system administrator can decide how the alarms are configured the first time a user logs on to the SAFIR system. Via an access control list per user account the administrator can also set up which alarms each user is permitted to activate and modify settings for.

A more detailed description of how to handle alarms can be found in the document Eventhantering.doc available from LFV-data.

How to setup an Alarm


The **Configure Alarm** module is launched from the button Subordinates menu in the *View Master* toolbar.



When the module is the **Configure Alarm** form is shown to the user.

The screenshot shows the 'Configure Alarms' window. At the top is the 'Alarm definitions Overview' table. Below it is the 'Alarm definition Details' form, which is currently empty.

Alarm Name	AorD	Type	Parameter 1	Parameter 2	Value 1	Value 2	Level	Column to Mark	Target	Enabled
ACTP Check	Arrival	Value Alarm	A/C type	N/A	N/A	N/A	1	A/C type	SAPERSKN	Yes
CTOT Compliance Alarm	Departure	Date Difference Alarm	Calc. Oper Time	CTOT	-999	-5	1	CTOT	ALL	Yes
EFBT Alarm	Arrival	Date Difference Alarm	EFBT	First BAG	-999	-11	1	EFBT	ALL	Yes
EFBT Check if missing	Arrival	Value Alarm	EFBT	N/A	N/A	N/A	1	EFBT	ALL	Yes
First bag time. Validate against EFBT	Arrival	Date Difference Alarm	EFBT	Sysdate	-99	0	1	First BAG	ALL	Yes
Namn Test	Arrival	Value Alarm	FFT PRM	N/A	N/A	N/A	1	FFT PRM	SAPERSKN	Yes

At the top a list of alarms available to the logged on user is shown. To view details about an alarm double click the selected alarm or mark it and click the  button and the details will be shown at the bottom of the form.

The screenshot shows the 'Configure Alarms' window with the 'Alarm definition Details' form filled out for the 'CTOT Compliance Alarm'.

Alarm name: CTOT Compliance Alarm

Alarm type: Date Difference alarm

Valid for: Arrivals, Departures

Monitor difference between: Calc. Oper Time and CTOT

Column name: SCCTO








When the alarm is triggered mark this column: SCCTO

Target Alarm to: ALL

Defined ranges for 'Calc. Oper Time-CTOT' in minuits.

	Range Start	Range Stop	Alarm Level	Alarm Color	SQL Filter	Valid in range	Start	Stop	Detail description (Shown to user as Tooltip text)
1	-999	-5	1	Change Color		WIND	N/A	N/A	CTOT can not be met.
2	7	10	1	Change Color		WIND	N/A	N/A	CTOT can not be met.
3	11	999	2	Change Color		WIND	N/A	N/A	CTOT can not be met. Big difference.

Description

	- Add a new Alarm
	- Add a new Alarm range
	- Remove an existing Alarm range
	- Delete an Alarm
	- Clear the details area.
	- Save new/Changed Alarm.
	- Exit module.
Alarm Name	- Name of the alarm. Shown to user as tooltip information in Viewmaster
AorD	- Alarm valid for Arrival or Departure
Type	- Alarm type (Only date difference alarm implemented)
Parameter1	- First date/time to monitor.
Parameter2	- Second date/time to monitor.
Value1 / Value2	- Difference ranges between Parameter1 and Parameter2 to monitor.
Column to Mark	- Name of column to mark when the alarm is triggered.
Target	- Targeted User(s)/Department(s) for the alarm.
Alarm Level	- Level of the alarm 1 = Highest.
SQL Filter	- A filter in SQL syntax that decides if a flight is to be evaluated by the event. To refer to the flights recordnumber use <screen>. Example: select screen from mmschdp0 where scfbtm is null and trim(scterm) in('2','4','5') and screen = <screen>
Valid in Range	- Time column from MMSCHDPO

Start	controlling the valid range for the event. - Start of range in minuits before time column selected in "Valid in Range"
End	- End of range in minuits after time column selected in "Valid in Range"
Create event on list (only for value events)	- Selected – Create the event if value is in the list defined in Value list column. UnSelected – Create the event if value is not in the list defined in Value list column.
Value list (only for value events)	- List of values to compare against. Can be a list of values separated by a "," or a result of an SQL statement. Use <NULL> for NULL values. Example 1: DH4,F50 Example 2: Select DPUSER from MMDEPTPO where DPDEPT = 'SALFVASS' Example 3: <NULL>,2,5
Detail description	- This is the tooltip text shown to the user when the mouse rests over a trigged alarm in Viewmaster.
Alarm color	- Back and fore Color of the trigged alarm in Viewmaster.

Add a new alarm

Press the add  button in the **Configure Alarm** module to enter the basic data for the alarm.

Reference Manual

Alarm definitions Overview

Alarm Name	AorD	Type	Parameter 1	Parameter 2	Value 1	Value 2	Level	Column to Mark	Target	Enabled
ACTP Check	Arrival	Value Alarm	A/C type	N/A	N/A	N/A	1	A/C type	SAPERSKN	Yes
CTDT Compliance Alarm	Departure	Date Difference Alarm	Calc. Oper Time	CTDT	-999	-5	1	CTDT	ALL	Yes
EFBT Alarm	Arrival	Date Difference Alarm	EFBT	First BAG	-999	-11	1	EFBT	ALL	Yes
EFBT Check if missing	Arrival	Value Alarm	EFBT	N/A	N/A	N/A	1	EFBT	ALL	Yes
First bag time. Validate against EFB	Arrival	Date Difference Alarm	EFBT	Sysdate	-99	0	1	First BAG	ALL	Yes
Namn Test	Arrival	Value Alarm	FFT PRM	N/A	N/A	N/A	1	FFT PRM	SAPERSKN	Yes

Alarm definition Details

Alarm name:

Monitor difference between: and Column name:

When the alarm is triggered mark this column:

Alarm type: Date Difference alarm Value alarm

Valid for: Arrivals Departures

Target Alarm to:

Defined ranges for 'PTO-STO' in minuits.

Alarm Enabled

Enter name and behaviour of the alarm. To set up an alarm that highlights the PTO column when the difference between STO and PTO is more than 5 Minuits for Departuers the alarm can be configured as follows.

Alarm definitions Overview

Alarm Name	AorD	Type	Parameter 1	Parameter 2	Value 1	Value 2	Level	Column to Mark	Target	Enabled
ACTP Check	Arrival	Value Alarm	A/C type	N/A	N/A	N/A	1	A/C type	SAPERSKN	Yes
CTDT Compliance Alarm	Departure	Date Difference Alarm	Calc. Oper Time	CTDT	-999	-5	1	CTDT	ALL	Yes
EFBT Alarm	Arrival	Date Difference Alarm	EFBT	First BAG	-999	-11	1	EFBT	ALL	Yes
EFBT Check if missing	Arrival	Value Alarm	EFBT	N/A	N/A	N/A	1	EFBT	ALL	Yes
First bag time. Validate against EFB	Arrival	Date Difference Alarm	EFBT	Sysdate	-99	0	1	First BAG	ALL	Yes
Namn Test	Arrival	Value Alarm	FFT PRM	N/A	N/A	N/A	1	FFT PRM	SAPERSKN	Yes

Alarm definition Details

Alarm name:

Monitor difference between: and Column name:

When the alarm is triggered mark this column:

Alarm type: Date Difference alarm Value alarm

Valid for: Arrivals Departures


Target Alarm to:

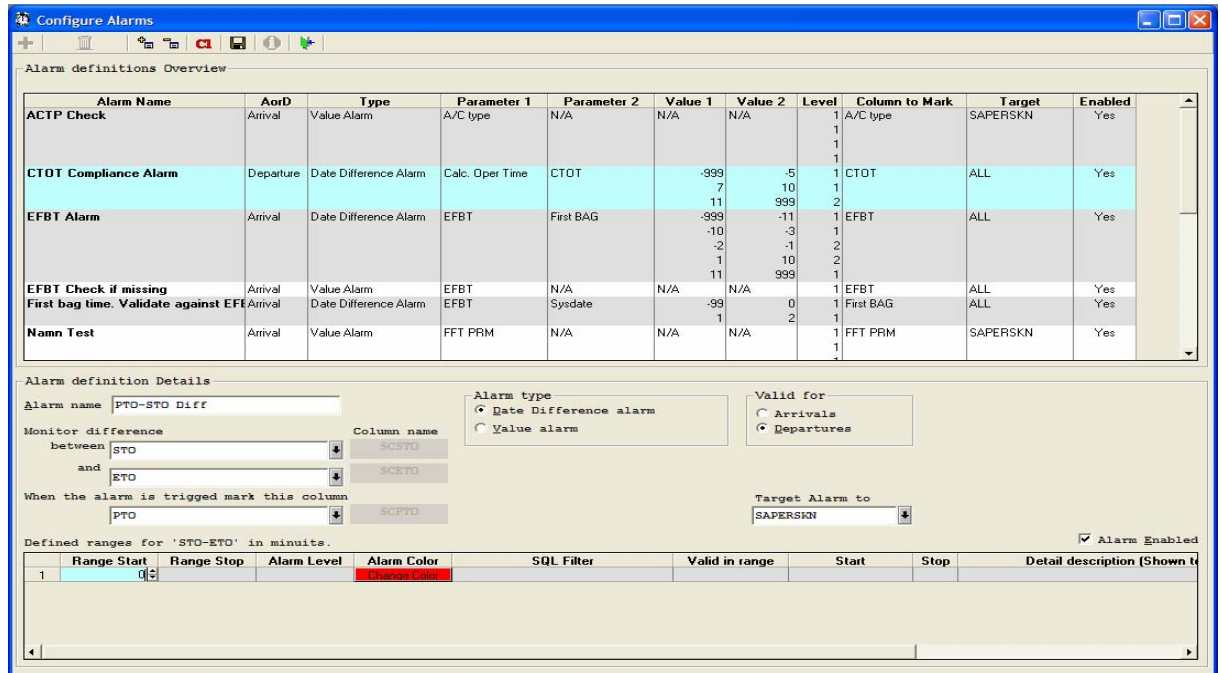
Defined ranges for 'PTO-STO' in minuits.

Alarm Enabled

Note! This alarm is targeted to a single user SAPERSKN and will therefore only be available for this user. To target an alarm to a group off users or All users select a department name or All in the Target alarm to drop down list. Also note that available targets depends on the access level of the account you are logged on with.

To make the alarm trigger when PTO-STO is more than 5 minutes it takes to range. One that reacts when PTO is greater than STO and one that reacts when PTO is less than STO

Press the  button to add a new range for the alarm.



The screenshot shows the 'Configure Alarms' window. The 'Alarm definitions Overview' table lists several alarms, including 'ACTP Check', 'CTOT Compliance Alarm', 'EFBT Alarm', 'EFBT Check if missing', 'First bag time. Validate against EFBT', and 'Namn Test'. The 'Alarm definition Details' section shows the configuration for the 'PTO-STO Diff' alarm, including the alarm type (Date Difference alarm), valid for (Departures), and target alarm to (SAPERSKN).

Alarm Name	AorD	Type	Parameter 1	Parameter 2	Value 1	Value 2	Level	Column to Mark	Target	Enabled
ACTP Check	Arrival	Value Alarm	A/C type	N/A	N/A	N/A	1	A/C type	SAPERSKN	Yes
CTOT Compliance Alarm	Departure	Date Difference Alarm	Calc. Oper Time	CTOT	-999	-5	1	CTOT	ALL	Yes
EFBT Alarm	Arrival	Date Difference Alarm	EFBT	First BAG	-999	-11	1	EFBT	ALL	Yes
EFBT Check if missing	Arrival	Value Alarm	EFBT	N/A	N/A	N/A	1	EFBT	ALL	Yes
First bag time. Validate against EFBT	Arrival	Date Difference Alarm	EFBT	Sysdate	-99	0	1	First BAG	ALL	Yes
Namn Test	Arrival	Value Alarm	FFT PRM	N/A	N/A	N/A	1	FFT PRM	SAPERSKN	Yes

Alarm definition Details

Alarm name: PTO-STO Diff

Alarm type: Date Difference alarm, Value alarm

Valid for: Arrivals, Departures

Monitor difference between STO and ETO

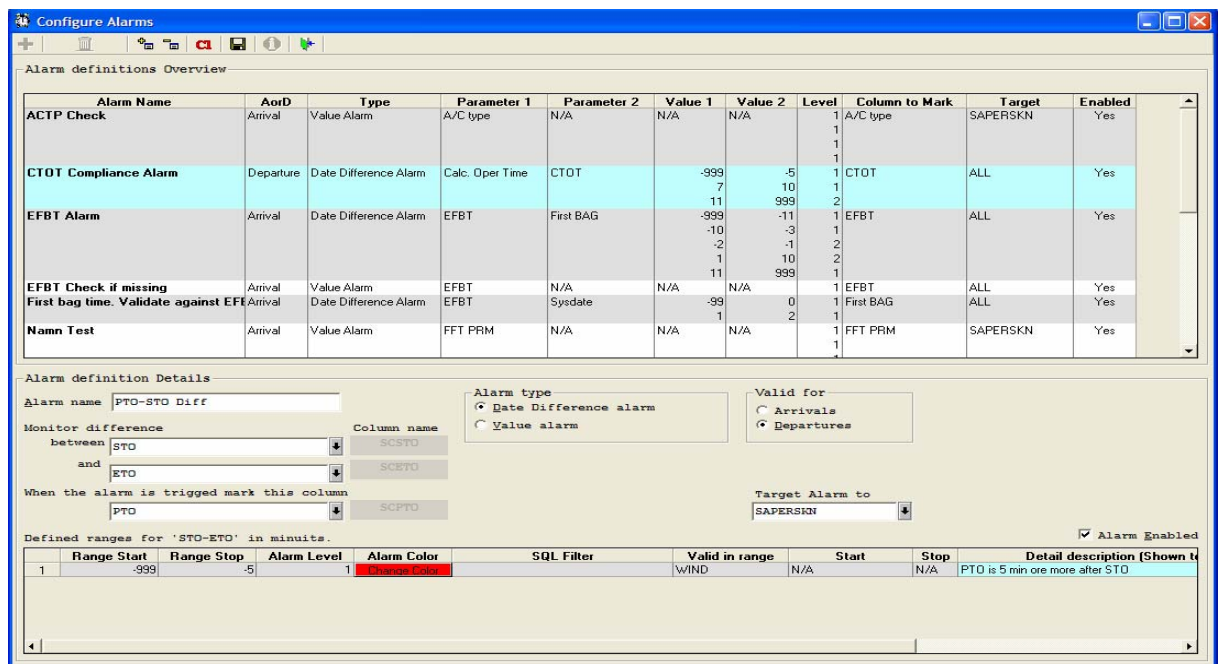
When the alarm is triggered mark this column: PTO

Target Alarm to: SAPERSKN

Defined ranges for 'STO-ETO' in minutes.


Range Start	Range Stop	Alarm Level	Alarm Color	SQL Filter	Valid in range	Start	Stop	Detail description (Shown U
0								

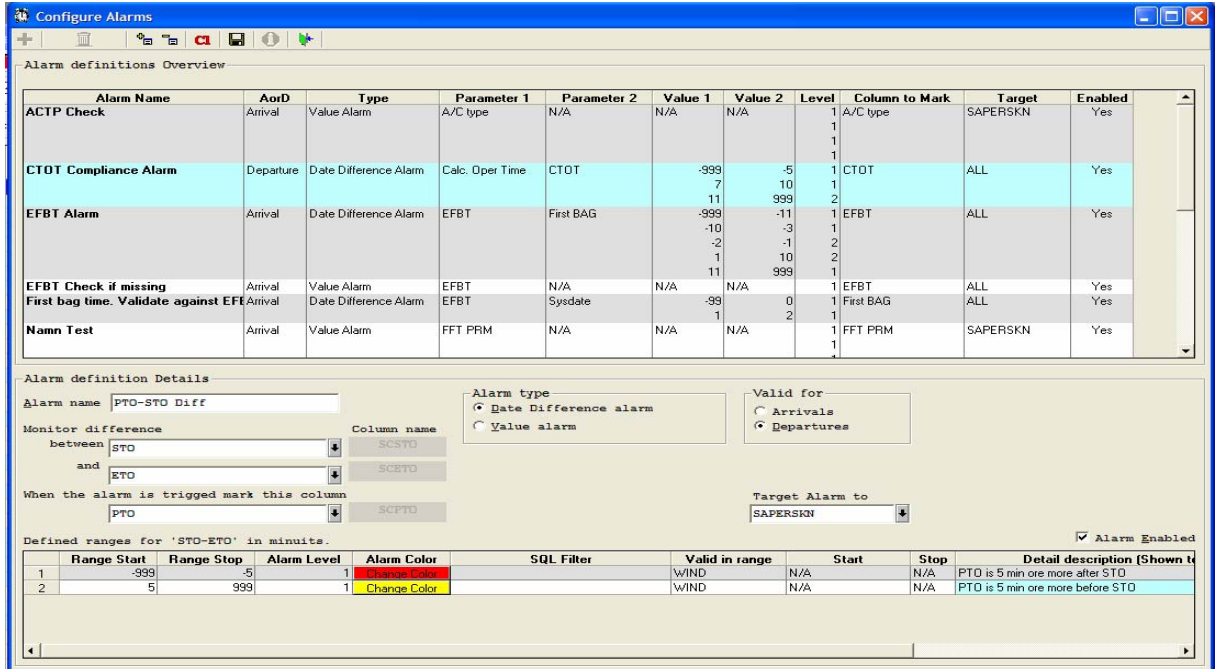
Enter data for the first range



The screenshot shows the 'Configure Alarms' window with the first range defined for the 'PTO-STO Diff' alarm. The 'Alarm definition Details' section is the same as in the previous screenshot. The 'Defined ranges for 'STO-ETO' in minutes.' table now has one row with the following data:

Range Start	Range Stop	Alarm Level	Alarm Color	SQL Filter	Valid in range	Start	Stop	Detail description (Shown U
-999	-5	1			WIND	N/A	N/A	PTO is 5 min ore more after STO

Press the  button again to add a second range for the alarm.



Alarm definitions Overview

Alarm Name	AorD	Type	Parameter 1	Parameter 2	Value 1	Value 2	Level	Column to Mark	Target	Enabled
ACTP Check	Arrival	Value Alarm	A/C type	N/A	N/A	N/A	1	A/C type	SAPERSKN	Yes
CTOT Compliance Alarm	Departure	Date Difference Alarm	Calc. Oper Time	CTOT	-999	-5	1	CTOT	ALL	Yes
EFBT Alarm	Arrival	Date Difference Alarm	EFBT	First BAG	-999	-11	1	EFBT	ALL	Yes
EFBT Check if missing	Arrival	Value Alarm	EFBT	N/A	N/A	N/A	1	EFBT	ALL	Yes
First bag time. Validate against EFB	Arrival	Date Difference Alarm	EFBT	Sysdate	-99	0	1	First BAG	ALL	Yes
Namn Test	Arrival	Value Alarm	FFT PRM	N/A	N/A	N/A	1	FFT PRM	SAPERSKN	Yes

Alarm definition Details

Alarm name: PTO-STO Diff

Monitor difference between: STO and ETO

Column name: SCSTO

Alarm type: Date Difference alarm


Valid for: Arrivals, Departures

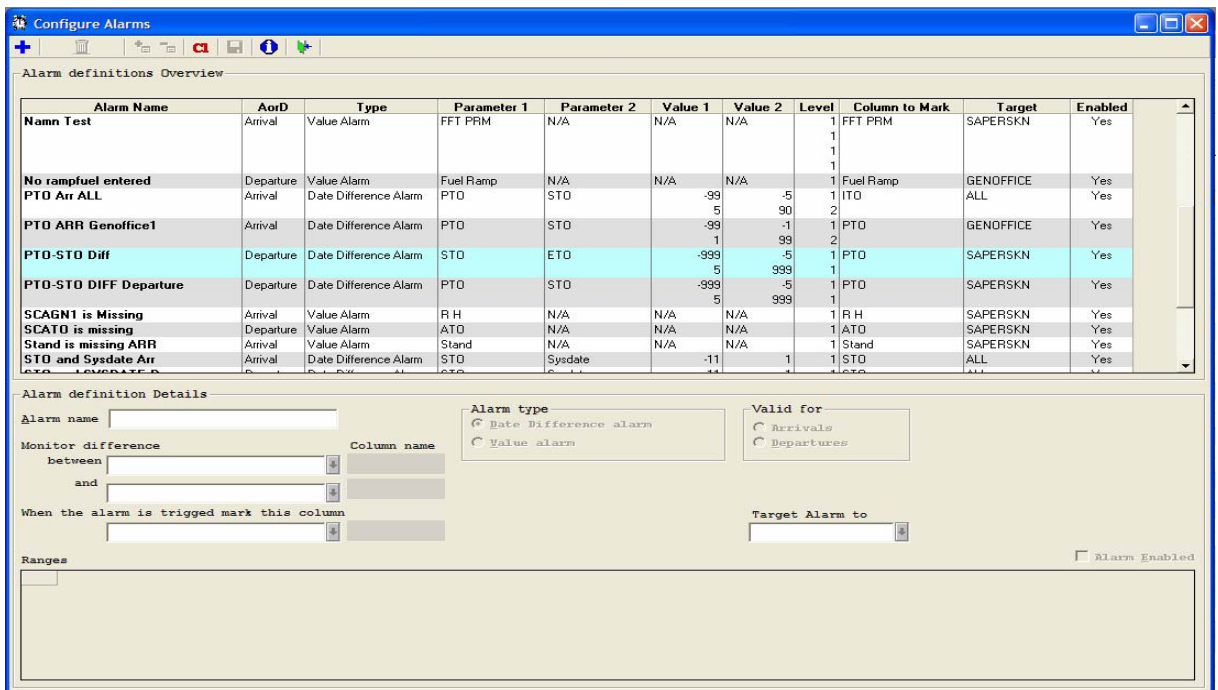
When the alarm is triggered mark this column: PTO

Target Alarm to: SAPERSKN

Defined ranges for 'STO-ETO' in minuits.

Range Start	Range Stop	Alarm Level	Alarm Color	SQL Filter	Valid in range	Start	Stop	Detail description (Shown t
-999	5	1	Change Color		WIND	N/A	N/A	PTO is 5 min ore more after STO
					WIND	N/A	N/A	PTO is 5 min ore more before STO

After entering data for the second range press the  to save the new Alarm. The alarm will appear in the overview list.



Alarm definitions Overview

Alarm Name	AorD	Type	Parameter 1	Parameter 2	Value 1	Value 2	Level	Column to Mark	Target	Enabled
Namn Test	Arrival	Value Alarm	FFT PRM	N/A	N/A	N/A	1	FFT PRM	SAPERSKN	Yes
No rampfuel entered	Departure	Value Alarm	Fuel Ramp	N/A	N/A	N/A	1	Fuel Ramp	GENOFFICE	Yes
PTO Arr ALL	Arrival	Date Difference Alarm	PTO	STO	-99	-5	1	ITO	ALL	Yes
PTO ARR Genoffice1	Arrival	Date Difference Alarm	PTO	STO	-99	-1	1	PTO	GENOFFICE	Yes
PTO-STO Diff	Departure	Date Difference Alarm	STO	ETO	-999	-5	1	PTO	SAPERSKN	Yes
PTO-STO DIFF Departure	Departure	Date Difference Alarm	PTO	STO	-999	-5	1	PTO	SAPERSKN	Yes
SCAGN1 is Missing	Arrival	Value Alarm	R H	N/A	N/A	N/A	1	R H	SAPERSKN	Yes
SCATO is missing	Departure	Value Alarm	ATO	N/A	N/A	N/A	1	ATO	SAPERSKN	Yes
Stand is missing ARR	Arrival	Value Alarm	Stand	N/A	N/A	N/A	1	Stand	SAPERSKN	Yes
STO and Sysdate Arr	Arrival	Date Difference Alarm	STO	Sysdate	-11	1	1	STO	ALL	Yes

Alarm definition Details

Alarm name:

Monitor difference between:

Column name:

Alarm type: Date Difference alarm


Valid for: Arrivals, Departures

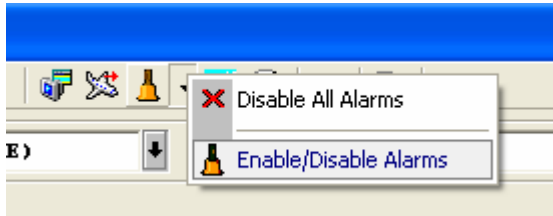
When the alarm is triggered mark this column:

Target Alarm to:

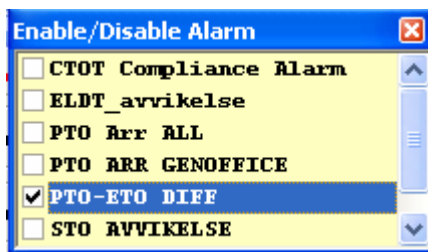
Ranges:

Alarm Enabled

To be able to see the alarm in the **View Master** module all users targeted by the alarm needs to activate the alarm. In the **View Master** module press the arrow to the right of the  button and select Enable/Disable Alarms from the popup menu.



A new window appears with information of all available alarms for the logged on user. Select the new alarm by clicking on it in the alarm list.



If the alarm is triggered the PTO column for alarmed flight will be highlighted if it is present in the view. The leftmost column containing the flight number will always be highlighted if an alarm is triggered for the flight.

JZ 504	SKX504	AJR	LYC			D	D	J	F50	1405	1405		
LF 890	NDC890	TXL				A	S	J	M82	1425	1406		
SK 043	SAS043	SDL		LNRPB	LNRPB	A	D	J	736	1350	1407		
SK 012	SAS012	LLA				D	D	J	M81	1420	1410		
SK 526	SAS526	LHR		OYKHM	OYKHM	A	E	J	M81	1410	1410		
SK 868	SAS868	OSL		LNRRL	LNRRL	A	S	J	738	1410	1410		
NB 756	SNB756	NCE				A	S	J	738	1350	1412		
JZ 210	SKX210	KSD		SELED	SELED	A	D	J	F50	1425	1415		
SK 1420	SAS1420	CPH		OYKHM	OYKHM	A	S	J	M82	1415	1415		
SK 2636	SAS2636	FRA		LNRON	LNRON	A	S	J	M81	1415	1415		
DK 157	VKG157	GOI	CPH	OYVKF	OYVKF	D	I	C	332	1420	1420		
FI 307	ICE307	KEF				D	S	J	752	1410	1420		
SK 2108	SAS2108	MMX		LNRPS	LNRPS	A	D	J	736	1405	1420		
TP 500	TAP500	LIS				A	S	J	320	1420	1420		
AY 892	FIN892	HEL				D	S	J	321	1425	1425		

To view the Tooltip information about an alarm hover the mouse over the alarmed column.

SK 2636	SAS2636	FRA		LNROM LNROMA	S	J	M81	1415	1415			
DK 157	VKG157	GOI	CPH	OYVKF OYVKFD	I	C	332	1420	1420			
FI 307	ICE307	KEF			D	S	J	752	1410	1420		
SK 2108	SAS2108	MMX		LNRPS LNRPSA	D	J	736	1405	1420			
TP 500	TAP500	LIS			A	S	J	321	1425	1425		
AY 892	FIN892	HEL			D	S	J	321	1425	1425		
SK 161	SAS161	GOT		LNROT LNROT D	D	J	M81	1425	1425			
SK 885	CAC885	NEB			A	D	J	1420	1420			

Alarm Details:
- PTO-ETO DIFF. Level 1 :PTO is 5 min or more after STO

SK 2030	SAS2030	TIA		LNROT LNROT A	J	J	M81	1415	1415			
DK 157	VKG157	GOI	CPH	OYVKF OYVKFD	I	C	332	1420	1420			
FI 307	ICE307	KEF			D	S	J	752	1410	1420		
SK 2108	SAS2108	MMX		LNRPS LNRPS A	D	J	736	1405	1420			
		LIS			A	S	J	320	1420	1420		
		HEL			D	S	J	321	1425	1425		
SK 161	SAS161	GOT		LNROT LNROT D	D	J	M81	1425	1425			

Alarm Summary:
- PTO-ETO DIFF. Level 1

SK 7012	SAS7012	TRW		LNROT LNROT A	J	C	M81	1400	1401			
JZ 504	SKX504	AJR	LYC		D	D	J	F50	1405	1405		
LF 890	NDC890	TXL			A	S	J	M82	1425	1406		
SK 043	SAS043	SDL		LNRPB LNRPBA	D	J	736	1350	1407			
SK 012	SAS012	LLA			D	D	J	M81	1420	1410		
SK 526	SAS526	LHR		OYKHM OYKHMA	E	J	M81	1410	1410			
SK 868	SAS868	OSL		LNRRLL LNRRLLA	S	J	738	1410	1410			
NB 756	SNB756	NCE			A	S	J	738	1350	1412		
JZ 210	SKX210	KSD		SELED SELEDA	D	J	F50	1425	1415			
SK 1400	SAS1400	OSL		OYKHM OYKHMA	S	J	M81	1415	1415			

Alarm Details:
- PTO-ETO DIFF. Level 1 :PTO is 5 min or more before STO

SK 012	SAS012	LLA			D	D	J	M81	1420	1410		
SK 526	SAS526	LHR		OYKHM OYKHMA	E	J	M81	1410	1410			
		OSL		LNRRLL LNRRLLA	S	J	738	1410	1410			
		NCE			A	S	J	738	1350	1412		
JZ 210	SKX210	KSD		SELED SELEDA	D	J	F50	1425	1415			

Alarm Summary:
- PTO-ETO DIFF. Level 1

Examples

This is an example on how to setup an event that triggers if a linked arrival is missing the ALDT (ATO) when the departure flight has gate status is set to GTO.

Reference Manual

Alarm definitions Overview

Alarm Name	AorD	Type	Parameter 1	Parameter 2	Value 1	Value 2	Level	Column to Mark	Target	Enabled
Check ALDT on linked Arrival	Departure	Value Alarm	GST	N/A	N/A	N/A	1	GST	ALL	Yes
Creation Check Arrivals	Arrival	Value Alarm	Creator	N/A	N/A	N/A	1	Creator	ALL	Yes
Creation Check Departures	Departure	Value Alarm	Creator	N/A	N/A	N/A	1	Creator	ALL	Yes
CTOT Compliance Alarm	Departure	Date Difference Alarm	CLDT	CTOT	-99	-5	1	CTOT	ALL	Yes
					7	10	1			
					11	999	2			
EFBT Check if missing	Arrival	Value Alarm	EFBT	N/A	N/A	N/A	1	EFBT	ALL	Yes
First bag time. Validate against EF	Arrival	Date Difference Alarm	EFBT	Sysdate	-99	0	1	First BAG	ALL	Yes
					1	2	1			
PTO <-> SYSDATE Arrivals	Arrival	Date Difference Alarm	PTO	Sysdate	-30	0	1	PTO	GENOFFICE	Yes
					1	30	1			
PTO <-> SYSDATE Departure	Departure	Date Difference Alarm	PTO	Sysdate	-30	0	1	PTO	GENOFFICE	Yes
					1	30	1			
Terminal Check Arrivals	Arrival	Value Alarm	T	N/A	N/A	N/A	1	T	ALL	Yes
							1			
							1			
Terminal Check Departures	Departure	Value Alarm	T	N/A	N/A	N/A	1	T	ALL	Yes

Alarm definition Details

Alarm name: Check ALDT on linked Arrival

Monitor value of: GST

Column name: SCPRRC

Alarm type: Date Difference alarm

Valid for: Arrivals

Departures

When the alarm is triggered mark this column: GST

Target Alarm to: ALL

Defined ranges for 'GST':

Alarm	Alarm Color	SQL Filter	Create event on list	Value List	Valid in range	Start	Stop	Detail description (Shown to
1	Change Color	select screen from mmschdp0 where SCATO is NULL and screen = (Select scrot from mmschdp0 where screen = <scrcro)	<input checked="" type="checkbox"/>	GTO	SCPTO	-60	60	ALDT is missing on linked Arrival flight.

This is an example on how to setup an event that evaluates First Bag Time against EFBT (Estimated First Bag Time).

Alarm definitions Overview

Alarm Name	AorD	Type	Parameter 1	Parameter 2	Value 1	Value 2	Level	Column to Mark	Target	Enabled
Check ALDT on linked Arrival	Departure	Value Alarm	GST	N/A	N/A	N/A	1	GST	ALL	Yes
Creation Check Arrivals	Arrival	Value Alarm	Creator	N/A	N/A	N/A	1	Creator	ALL	Yes
Creation Check Departures	Departure	Value Alarm	Creator	N/A	N/A	N/A	1	Creator	ALL	Yes
CTOT Compliance Alarm	Departure	Date Difference Alarm	CLDT	CTOT	-99	-5	1	CTOT	ALL	Yes
					7	10	1			
					11	999	2			
EFBT Check if missing	Arrival	Value Alarm	EFBT	N/A	N/A	N/A	1	EFBT	ALL	Yes
First bag time. Validate against EF	Arrival	Date Difference Alarm	EFBT	Sysdate	-99	0	1	First BAG	ALL	Yes
					1	2	1			
PTO <-> SYSDATE Arrivals	Arrival	Date Difference Alarm	PTO	Sysdate	-30	0	1	PTO	GENOFFICE	Yes
					1	30	1			
PTO <-> SYSDATE Departure	Departure	Date Difference Alarm	PTO	Sysdate	-30	0	1	PTO	GENOFFICE	Yes
					1	30	1			
Terminal Check Arrivals	Arrival	Value Alarm	T	N/A	N/A	N/A	1	T	ALL	Yes
							1			
							1			
Terminal Check Departures	Departure	Value Alarm	T	N/A	N/A	N/A	1	T	ALL	Yes

Alarm definition Details

Alarm name: First bag time. Validate against EF

Monitor difference: EFBT

Column name: SCFBT

Alarm type: Date Difference alarm

Valid for: Arrivals

Departures

When the alarm is triggered mark this column: First BAG

Target Alarm to: ALL

Defined ranges for 'EFBT-Sysdate' in minuits.

Range Start	Range Stop	Alarm	Alarm Color	SQL Filter	Valid in	Start	Stop	Detail description (Shown to user as Tooltip text
-99	0	1	Change Color	select screen from mmschdp0 where solbfn is null and trim(solclem) in ('2','4','5') and screen = <scrcro	SCPTO	-60	60	First Bag is missing
1	2	1	Change Color	select screen from mmschdp0 where solbfn is null and trim(solclem) in ('2','4','5') and screen = <scrcro	SCPTO	-60	60	Less than 2 minuits to First Bag

PRM INFORMATION

Overview

SAFIR has the ability to control information regarding PRM passengers on flights in the system.

In specific views (i.e. ASSISTANS) in the *View Master* grid it is possible to see how many passengers on every flight that need assistance. The type of assistance is divided into five different categories:

WCHR – WheelCHair Ramp

This passenger class cannot walk long distances, but are able to walk the distance between the aircraft door to/from their seat. If the aircraft is parked on a remote, this passenger can walk up/down stairs to/from their seat.

WCHS – WheelCHair Step (Stairs)

Same as above except this passenger needs to be carried up/down stairs. If the aircraft is docked to a gate this passenger can walk to/from their seat.

WCHC – WheelCHair Carry

This passenger class cannot walk at all and needs to be carried from their wheelchair to their seat and vice versa.

MAAS – Meet And ASsist

A passenger who can walk by themselves, but need guidance to/from their flight.

UM – Unaccompanied Minor


A child travelling by him-/herself.

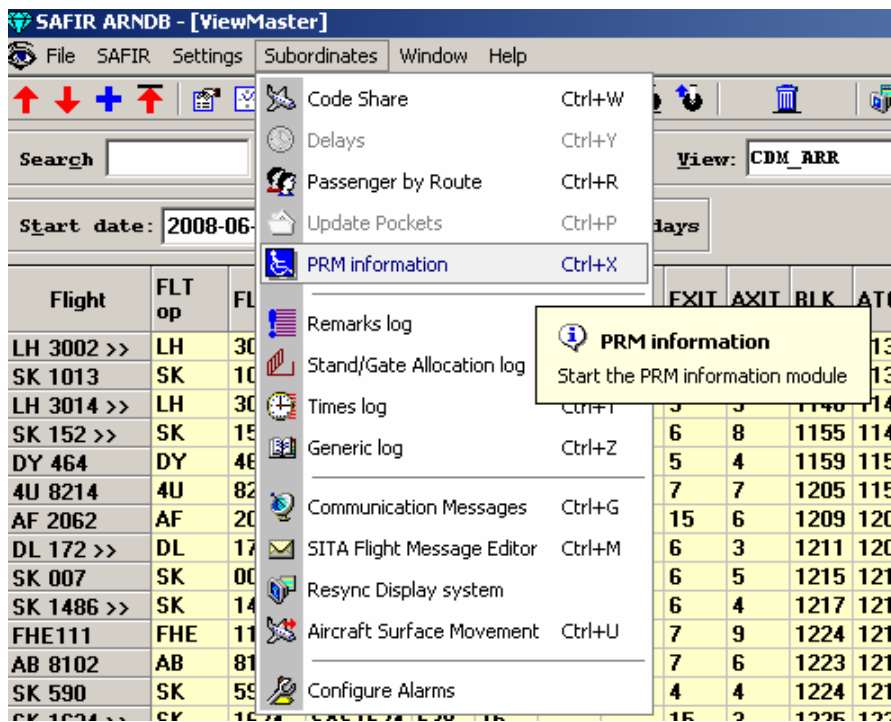
The PRM information values in *View Master* are controlled by two things: The first being automatic update from PAL, CAL and PSM messages and the other is manual updating.

Automatic update sorts out passenger names and their assistance needs from the above mentioned SITA messages and writes this in the *PRM-module*. Only the most recent information is valid. I.e: A PAL is considered expired when a CAL arrives and a CAL expires when a PSM arrives. The information is then summed up and written in *View Master*.

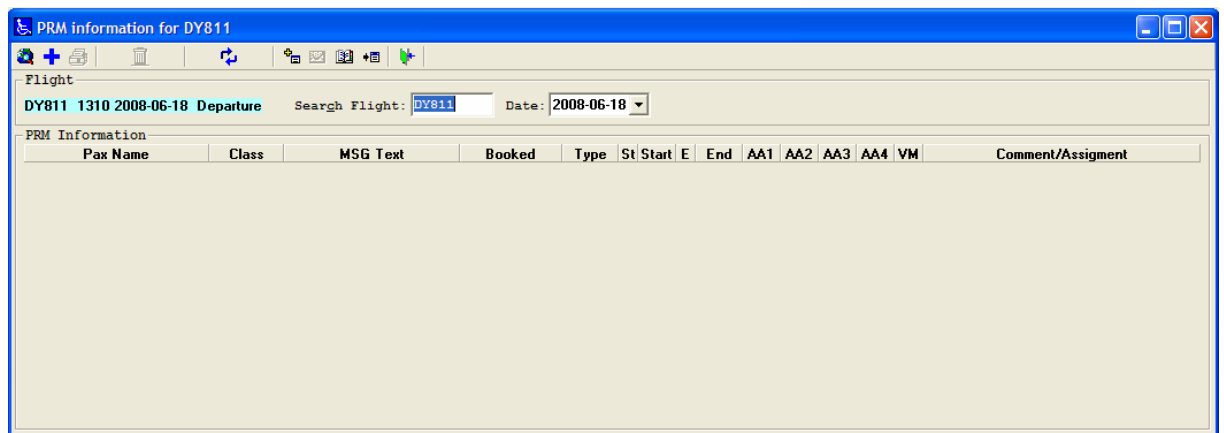
Manual updates are made by adding, removing or modifying PRM information on a flight. The manual updates are added to the existing (if any) automatically added PRM passengers.

How to work with PRM information

The **PRM Information** module is launched from the  button or Subordinates menu in the *View Master* toolbar or by the key combination <CTRL>+X.



The module **PRM Information** form is shown to the user.

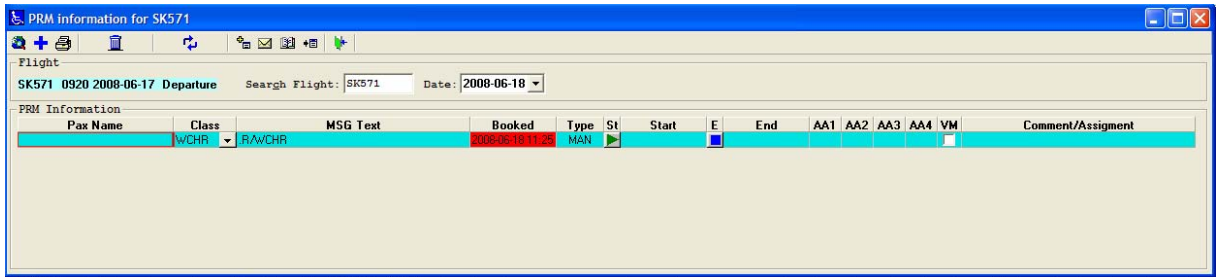


If there is no PRM bookings for the flight the form shows up empty. If booking(s) exists of types PAL, CAL, MAN or PSM the booking(s) are shown to the user.

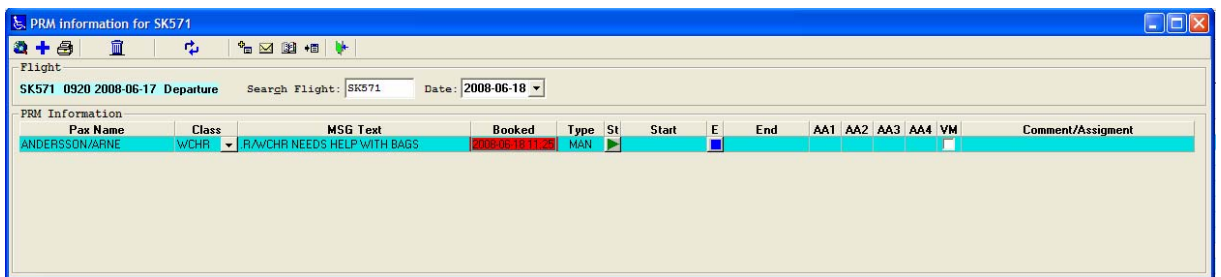
Pax Name	Class	MSG Text	Booked	Type	St	Start	E	End	AA1	AA2	AA3	AA4	VM	Comment/Assignment
OLOFSSON/STOR-JANMR	WCHS	Temporary comment second	2008-06-16 11:00	CAL										
SKANS/LILL-PERMR	WCHR	Temporary comment first	2008-06-16 11:00	CAL										
HEINZE/KARLMR	WCHR	R/WCHR TRVL WITH TWO ATTENDENTS BO	2008-06-16 10:05	PAL										
JONES/ANITAREV	WCHR	R/WCHR ALL DOCS COMPLETE FOR BATTEF	2008-06-16 10:05	PAL										
OLOFSSON/STOR-JANMR 22F	WCHS	/R/WCHS	2008-06-16 13:05	PSM										
SKANS/LILL-PERMR 22E	WCHR	/R/WCHR	2008-06-16 13:05	PSM										

Description


	- Search booking(s) for flight.
	- Add a new booking.
	- Print booking list.
	- Delete a booking.
	- Refresh the booking list.
	- Show all bookings for same passenger name.
	- Show source SITA message for booking in raw format.
	- Show logged PRM events for flight.
	- Reset column order and with to default values.
	- Exit module.
Pax Name	- Passengers name. Often in format surname/first name.
Class	- Class of the assistance.
MSG Text	- Remarks element.
Booked	- Date/time when the actual booking of assistance occurred. The filed is highlighted in red if the booking is considered to be late (< 36h before STO)

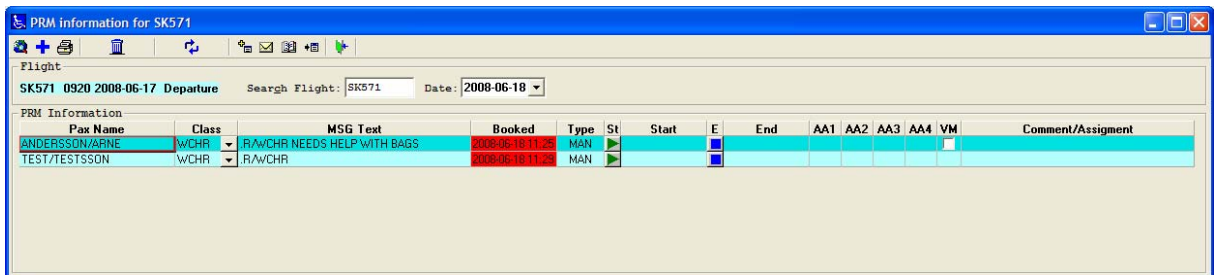


Enter the passenger name as surname/first name. Select Class and enter MSG text if applicable.

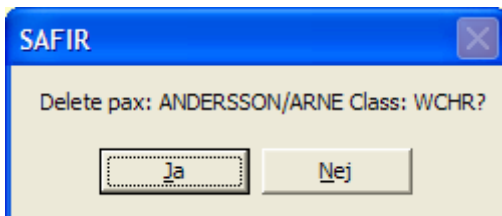


Delete a booking

Select passenger to delete and press the  button.




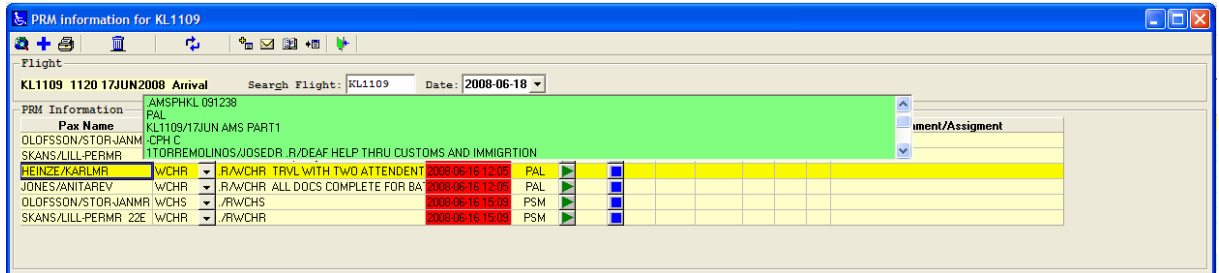
A confirmation dialog box appears.



Press 'Ja' to confirm and 'Nej' to cancel delete.

Show SITA message


To view the underlying SITA message for the booking(s), select passenger, and press the  button. A list box displaying the message in raw format will appear.



Note that raw data is only available in SAFIR for 24 hours.

To hide the list box press the <ESC> button.

Show logged PRM events

To view the logged PRM events for the flight, press the  button. A grid displaying the events will appear. The primary use of this function is for assistance in troubleshooting.



Pax Name	Class	MSG Text	Booked	Type	St	Start	E	End	AA1	AA2	AA3	AA4	VM	Comment/Assignment
OLOFSSON/STOR-JANMR	WCHS	R/WCHS Temporary comment second	2008-06-16 13:00	CAL										
SKANS/LILL-PERMR	WCHR	R/WCHR Temporary comment first	2008-06-16 13:00	CAL										
HEINZE/KARLMR	WCHR	R/WCHR TRVL WITH TWO ATTENDENT	2008-06-16 12:00	PAL										
JONES/ANITAREV	WCHR	R/WCHR ALL DOCS COMPLETE FOR BA	2008-06-16 12:00	PAL										
MT	MLN	MNR	FL	STO	FREQN	ORI	ERRCOD	ERRMES	ERRCO					
1	CAL	3	50486101	KL1109	17JUN	11983743	AMS							
2	PAL	3	486100	KL1109	17JUN	11983743	AMS							
3	PSM	3	50486102	KL1109	17JUN	11983743	AMS							

To hide the grid press the <ESC> button.

Using the AAX fields

When sending someone to aid a passenger. Simply add his/her name in the last empty *AAX* field. If the same person(s) is sent to aid several passengers you can simply right click the *AAX* field and choose to copy the information to all passengers. If one person is helping the passenger at first and someone takes over. Add the seconds persons name in the next empty *AAX* field.

How to use the timelog

The timelog is a tool to guarantee a good service level. By pressing the  button for a specific passenger you add the time when the job started. Press the  button to write the stop time for a job.

There is also a automatic timelog:

On departures:

1. If you write text in the *COMMENT/ASSIGNMENT* field or in the *AAX* fields; start time will automatically be filled in.
2. When *GTC* (GaTe Closed) is flagged in *View Master* field *PRM*; end time will automatically be filled in.

On arrivals:

1. Start time will automatically be filled in as the *BLK* value in *View Master* if one of the *AAX* fields in the *PRM-module* is filled in. Otherwise the start time will be the time when a *AAX* field is filled in.

APPENDIX

COLUMN DESCRIPTIONS FOR SCHEDULE FILE (MMSCHDP0)

What follows is a brief description of each column in the SAFIR Schedule file (MMSCHDP0).

The SAFIR schedule file is accessible only through modules in the SAFIR application.

The most common module to use Schedule file is the ViewMaster module. In the ViewMaster module the meaning of some of the column names may need further explanation. However, it should be noted that column names generally follow a naming convention that often assists in interpretation of the column name.

In all cases column names are limited to six characters.

The first two characters of a column name are always the same for all columns in the table. For example all columns in the Schedule file are prefixed "SC". No column name from any other table can use this prefix. The remaining four characters fully define the column name. If some other table uses the same column (e.g. Carrier code) then, in all cases, a consistent column name will be assigned "xxOPER" where "xx" is described above.

Note! When a date and time value is held in a column it is always stored in UTC time in the SAFIR database.

Column name	Description
SCACTP	The IATA or ICAO aircraft sub-type for this flight (Depends on the Extended Selection choice for View Master).
SCACVN	Aircraft version is the model number of the aircraft, i.e. Boeing 747 version 101.
SCAETT	The ATC Estimated Time of Operation. Not often used, but when it is, this column is owned by ATC and denotes their understanding of ETO on the runway.
SCAG04	Set to 1 if at least one alarm situation exists for this flight.
SCAG05	This field contains the de-icing type. L = local de-icing at stand, 2 = Local de-icing after pushback or Remote de-icing at a ramp area.
SCAG06	1 = De-icing is requested, Empty = No de-icing requested
SCAG07	Airborn flag. Set to 1 if arrival flight is Airborn.
SCAG08	Has a value if the GOS system aborted a docking sequence.
SCAG09	Source Flag for ELDT. S = SITA, F = FIAT, . = CIES, M = Manual input
SCAG10	Passenger Assistance (prio) indicator.
SCAG11	Set to 1 if flights stand is not supported by automatically block times.
SCAG12	CTOT source flag. A Source is SAM message, C source is SLC message, R or 1 to 9 source is 1 to 9 th SRM message.
SCAG14	SCAG14 "NO HA" means that when the airline asked for SLOT they requested NO Handling. In settings if you choose hide No Handled flights, this flight won't show if there is a mark in this column.

Column name	Description
SCAGN1 SCAGN2 SCAGN3 SCAGN4 SCAGN5 SCAGN6 SCAGN7 SCAGN8 SCAGN9	<p>SCAGN1 through SCAGN5 are intended to be used for up to 6 different handling types. SCAGN1 is used for Ramp Handling, SCAGN2 for Expedition Handling, SCAGN3 for Technical Handling, SCAGN4 for Cleaning, SCAGN5 for Catering, SCAGN6 for Passenger handling, SCAGN7 for Fule handling, SCAGN8 for De-icing handling and SCAGN9 for Cargo handling</p> <p>It is always the Expedition Handling who has the main responsibility for the flight.</p>
SCAGTR	Agent handling ramp services. The code of the handling agent responsible for ramp services.
SCAIRC	The number of bodies in the air crew, excluding cabin crew.
SCAN6	Announcement area.
SCAN7	Flight suffix. ATC?
SCAORD	The arrival "A" or departure "D" identification for the flight. The user cannot change this.
SCAPPS	<p>The number of approaches this aircraft made in addition to the one made during the final landing.</p> <p>Often used in general aviation and for training flights.</p>
SCASAN	Responsible person at assistance service.
SCATFL	<p>ATC flight number. If ATC are operating the flight with a call sign different to the regular flight number, then this field holds the flight number portion of the flight number (call sign).</p> <p>This is maintained by the "ATC Overrides" option of View Master.</p>
SCATO	The touchdown or rotation time for the flight movement. This usually comes from ATC but not always.
SCATOP	The ATC operator code. If ATC are operating the flight with a call sign different to the regular flight number, then this field holds the operator portion of the flight number (call sign). This is maintained by the "ATC Overrides" option of View Master
SCATOT	ATO Confirmed.
SCBAG1 SCBAG2 SCBAG3 SCBAG4 SCBAG5 SCBAG6	Total number of bags being carried on the flight to or from the six locations identified in the corresponding SCLOC1 - SCLOC6.
SCBALL	The ballast load (weight) loaded or unloaded at this location. (Very rarely used).
SCBARS	The number of bar units handled on this flight.
SCBEND	The boarding end time for the flight.
SCBSTA	The start time for boarding on the flight.
SCBUID	The identity of all the busses used for pax transfer to/from the aircraft. The information is entered into the Buss Coordination System and then transferred to SAFIR.
SCBUMP	The number of touchdowns this aircraft made in addition to that of the final landing (if any). Often used on General Aviation test and training flights.

Column name	Description
SCBUSS	The number of busses used for this flight.
SCBYON	Buss flag, used to notify the users if busses are required or not (Y or N) based on stand/gate information.
SCCABC	The number of persons in the cabin crew excluding sky marshals.
SCCADE	Actual De-icing end.
SCCADR	Actual De-icing ready for.
SCCADS	Actual De-icing start.
SCCADT	Actual De-icing time.
SCCALL	Buss invoice?
SCCALN	This is a count of the number of calls (announcements) made for this flight. It is incremented automatically whenever SCCALL is set.
SCCANC	This indicator is set to "C" if the flight is cancelled. Note that flights cannot be deleted from the schedule file. Hence, if flights are cancelled, they must be annotated as such using this column.
SCCATM	Catering uplift, number of meals loaded for category M passengers.
SCCATT	Actual turnaround time for aircraft.
SCCATU	Catering uplift, total number of meals loaded on the aircraft for all classes of passenger.
SCCATY	Catering uplift Y-class.
SCCAXT	Actual Taxi In Time or Actual Taxi Out Time (nbr of min).
SCCBT	Calculated ON block time or Calculated OFF block time.
SCCCDE	Calculated De-icing end.
SCCCDR	Calculated De-icing ready for.
SCCCTDL	CTOT restriction Code in Alpha or Numeric depending on Operator code.
SCCCTO	Calculated Landing Time or Calculated Take Off Time.
SCCCTT	Calculated turnaround time for aircraft.
SCCCXT	Calculated Taxi In Time or Calculated Taxi Out Time (nbr of min).
SCCEDE	Estimated De-icing end.
SCCEDR	Estimated De-icing ready for.
SCCEDS	Estimated De-icing start.
SCCEDT	Estimated De-icing time.
SCCETO	Estimated Landing Time or Estimated Take Off Time.
SCCETT	Estimated turnaround time for aircraft.
SCCEXT	Estimated Taxi In Time or Estimated Taxi Out Time (nbr of min).
SCCFTP	<p>The CAA flight type. This is similar to the flight type referred to under the column SCFLTP.</p> <p>However, it is a little more specific. For example SCFLTP will denote (say) Scheduled / Charter movements, etc. SCCFTP does the same, but in more detail. For example, SCCFTP set to "10" denotes scheduled operations by the flag carrier.</p> <p>Actual codes vary from airport to airport although in the UK the CAA usually</p>

Column name	Description
	insist on correct categorisation of a flight by flight type as the regular statistics compiled by the airport for submission to the CAA have to be compiled in a format specified by the CAA's DORA (Department of Operations Research and Analysis).
SCCHT2	The ID of the second chute (if used) on the baggage system for the outgoing baggage for this flight.
SCCHUT	The ID of the chute used on the baggage system for the outgoing baggage for this flight.
SCCIA	Describes Check in Area for the Checkin counter.
SCCICL	The date-time the check-in process is due to close or did close.
SCCINT	Check in disk interval i.e. 25-30.
SCCIOP	The date-time the check-in process is due to be or was initiated.
SCCLCH	Last date/time the flight was updated by a CDM calculation.
SCCLS1 SCCLS2 SCCLS3 SCCLS4	These four columns hold passenger load by seating class. 02- Total number of passengers in C-class 03- Total number of passengers in M-class
SCCLTM	Time for reclearance.
SCCMTT	Minimum turnaround time for aircraft based on operator and aircraft type.
SCCOCH	An indicator, set to "X" if the passengers are / were coached to or from the aircraft.
SCCONV	The ID of the conveyor belt used for the arriving flights baggage.
SCCREW	The number of flight crew personnel. Usage varies from airport to airport but can be used as total crew on board including flight deck crew (see SCAIRC) and cabin crew (see SCCABC).
SCCRTT	The date and time at which this record was created.
SCCSTO	Scheduled Landing Time or Scheduled Take Off Time.
SCCSTT	Scheduled turnaround time for aircraft.
SCCSXT	Scheduled Taxi In Time or Scheduled Taxi Out Time (nbr of min).
SCCTDE	Target De-icing end.
SCCTDR	Target De-icing ready for.
SCCTDS	Calculated De-icing start.
SCCTO	Calculated Take Off Time from CFMU via SAM or SRM messages.
SCCTTO	Estimated Landing Time or Target Take Off .
SCCTTT	Target turnaround time for aircraft.
SCCTXT	Estimated Taxi In Time or Estimated Taxi Out Time (nbr of min).
SCCTYP	Type of check-in. This denotes the nature of check-in. Setting can be "S" for Security check-in, and "G" for Group check-in.
SCCURT	Row number at which curtains are positioned between business and tourist class.
SCDCG	This is "Discharges". The column contains all pockets for a flight including pockets that can't be connected to the flight according to its destinations.

Column name	Description
	The pockets are separated by a separator character e.g. “;”
SCDIV	The diversion reason code. If a flight is diverted, this code is set to some valid non-null value. The setting provides the reason for the diversion. For example "IW" may refer to a diversion due to Inbound Weather. Valid codes are defined to the diversion reason codes table
SCDIVI	Diversion indicator. This indicator is set to “1” or “D” denoting the flight as having been diverted.
SCDIVL	The IATA code of the airport location to or from which this flight is diverted.
SCDLLD	Dead Load Weight. Baggage, cargo, mail, ballasts and equipment in compartments not included in dry operating weight of the aircraft.
SCDLUM	Dead load unit of measure. See also SCDLLD.
SCDLYR1	Delay reason Code, the first of two.
SCDLYR2	Delay reason Code, the last of two.
SCDLYT1	Delay time Code based on the Handling Agents On/Off block time (SCXTO), the first of two.
SCDLYT2	Delay time Code based on the Handling Agents On/Off block time (SCXTO), the last of two.
SCDOOR	The date and time aircraft doors were opened / closed for this flight.
SCDORI	The domestic / international indicator. "D" = Domestic , "I" = International , "S"= Schengen or "E"= European .
SCDTO	This is the ATD of Approved Departure Time or slot time for the flight (both are the same). Not all flights have slot times and in this case SCDTO must not be set. The presence of a non-zero time in SCDTO is significant.
SCDTTM	This is the time that will show in place of the STO on the FIDS boards if set. If set, this field not only overrides the STO (at least as seen on the FIDS display), but also the time may be used to adjust the order in which this flight appears in the list of flights shown on the board. It is used very infrequently to cater for some extraordinary operating circumstance - such as high security flights, special “mystery tour” flights, etc.
SCDUN1 SCDUN2 SCDUN3 SCDUN4	History of dunning actions for flight. These 4 columns are loaded with the action code (if any) determined by dunning for the flight. When and if dunning finds a condition that is met, the action taken by dunning (as specified in the action code) is loaded into the next available (null) SCDUN1 through SCDUN4.
SCEBT	Estimated ON block time or Estimated OFF block time.
SCENG	This indicator is set to "X" when the skipper makes an engine start request. ATC (Ground Controller) normally maintain this.
SCENGT	This is the date and time at which the engine start request was made. It can be automatically set when SCENG (see above) is set.
SCETO	The estimated date and time of operation for the flight movement.
SCEXP	An indicator is automatically set to "X" by the system if a flight fails to operate "n" minutes after its PTO. Often this is used by ATC to identify that a (say) GA flight plan has "fallen out" of the system. This generally occurs for GA flights that have a repetitive flight plan but which fail to operate on occasion mainly due to the

Column name	Description
	nature of GA ops.
SCFACT	Freight booked or actual.
SCFBTM	The date and time at which the first bag is delivered to the carousel for the arriving flight.
SCFINH	An indicator, which if set to "X" will cause FIDS to not automatically raise timed events for the flight. Such timed events may include automated PPC and Gating messages (for example).
SCFLCL	FLOw CLOse time, timestamp when PGS-flow where closed.
SCFLOP	FLOw OPen time, timestamp when PGS-flow where opened.
SCFLST	Flow Status, Open (O) or Closed (C)
SCFLTM	The actual flight time using the HH:MM format. Actual usage may vary from airport to airport. This column can be considered "spare" for use if some additional time column is required.
SCFLTN	That part of the flight number excluding the operator code (see SCOPER). This is often referred to as the "Trip Number" in SAFIR. For a flight number of "BA012", the value of the column SCFLTN will be set to "012".
SCFLTP	The flight type. This is used to denote the type of flight in terms of it being scheduled, charter, freighter, GA, training, military etc. (IATA standard codes)
SCFLTX	ICAO Callsign.
SCFLY1 SCFLY2 SCFLY3 SCFLY4 SCFLY5 SCFLY6	The flying time (estimated) between each location SCLOC1 through SCLOC6. E.g. For an arrival, SCFLY1 = flying time between SCLOC1 & SCLOC2 (if given). If SCLOC2 is not present, then SCFLY1 = flying time between SCLOC1 & SCHOSt.
SCFNLS	This is the date and time at which the flight came on final approach. This information is updated from FIAT system.
SCFRT	The freight load (weight) loaded or unloaded at this location.
SCFRT1 SCFRT2 SCFRT3 SCFRT4 SCFRT5 SCFRT6	Freight weight being carried on the flight to or from the six locations identified in the corresponding six locations SCLOC1 though SCLOC6.
SCFRTD	Total domestic freight weight. Usage may vary from airport to airport. The column is intended to show freight to be loaded or unloaded at all domestic sectors on the flight's route.
SCFRTI	Total international freight weight. Usage may vary from airport to airport. The column is intended to show freight to be loaded or unloaded at all international sectors on the flight's route.
SCFULR	Quantity of ramp fuel. The amount of fuel planned to be used by the APU (Auxiliary Power Unit) whilst the aircraft is parked.

Column name	Description
SCFULT	Quantity of trip fuel. The amount of fuel planned to be consumed from take-off to the point of next intended landing.
SCFUUM	Fuel unit of measure. The unit of measure (if given) must identify a "volume" related unit of measure.
SCGATE	The gate number to be used by passengers embarking or disembarking the flight.
SCGTAC	The gating action. This indicator can be set to "x" (YES) to indicate that the "Gating" action has been performed.
SCGTCL	The time that "Gate Closed" occurred for the flight.
SCGTD	The date and time that "Gating" (Go To Gate) is due for this flight.
SCGTIM	The date and time at which "Gating" was actioned, i.e. the date and time at which "Proceed to Gate" was posted. See also SCGTAC.
SCHBAG	This number is set to record the number of times the aircraft was handled for baggage. Where baggage is carried and has to be handled more than once, this column shows the total number of handlings for baggage. Double handling often occurs where baggage has been loaded, and is then unloaded for security reasons prior to reloading. Airport policy may deem this chargeable.
SCHCAT	An indicator which if set to "X" denotes that the flight has been victualled, that is to say it has been loaded with bars and/or galley units.
SCHCRW	This is the ID of the apron services crew that handled the flight.
SCHFRT	This number is set to record the number of times the aircraft was handled for freight. See description at SCHBAG.
SCHOLD	Set to "X" if the aircraft is in a holding pattern. Usually owned and set by ATC.
SCHOST	The ID (ICAO or IATA) of the airport that owns this flight record. SAFIR can operate many airports on a common database - hence the need for this setting on the schedule file. SCHOST is set up at the time Timetable or ACCORD or SCORE (ACCORD and SCORE are identical systems) information populates the schedule file. The user cannot change it.
SCIKO1 SCIKO2 SCIKO3 SCIKO4 SCIKO5 SCIKO6	The ICAO airport codes defining the route of this flight that is deemed to be terminating or originating here. See also comments on SCLOC1 through SCLOC6.
SCIPTO	Index, used by the system.
SCISTO	Index, used by the system.
SCLAND	Applies only to a departure. This column identifies that the aircraft identified in the corresponding, linked arrival has landed. The column is automatically set.
SCLAST	The date-time "last call" is due to be processed, or was actually processed
SCLBTM	The date and time at which the last bag is delivered to the carousel for the arriving flight.
SCLDST	Load status. Usage may vary from airport to airport. The column can be

Column name	Description
	used to identify the nature of load such as live animals, etc. Has also been used to show load status as booked, confirmed or actual.
SCLINK	Recordnumber of linked Arr or Dep flight.
SCLOC1 SCLOC2 SCLOC3 SCLOC4 SCLOC5 SCLOC6	<p>The IATA airport codes defining the route of this flight that is deemed to be terminating or originating here.</p> <p>For a departure, SCLOC1 refers to the ultimate destination of the flight. For an arrival, SCLOC1 refers to the original origin of the flight.</p> <p>Example: Flight to / from Hong Kong via Rome. SCLOC1 will refer to Hong Kong, SCLOC2 refers to Rome.</p>
SCLUSR	Last User or system that updated this flight (except CDM calculation).
SCMAAS	Number of meet and assist on the flight.
SCMAIL	The mail load (weight) loaded or unloaded at this location.
SCMAL1 SCMAL2 SCMAL3 SCMAL4 SCMAL5 SCMAL6	Total mail weight carried on the flight to or from the six locations identified in the corresponding six locations SCLOC1 though SCLOC6.
SCMALD	Total domestic mail weight. Usage may vary from airport to airport. The column is intended to show mail to be loaded or unloaded at all domestic sectors on the flight's route.
SCMALI	Total international mail weight. Usage may vary from airport to airport. The column is intended to show mail to be loaded or unloaded at all international sectors on the flight's route.
SCMISC	Sending door combinations for Schengen uses this field.
SCNEW	When a flight is added to the database within "n" minutes of its STO then this indicator is set to "X" automatically. Its purpose is to warn the user that some late planning may need to be actioned for this flight.
SCNSC	NSC fee posted.
SCNXTT	<p>Date and time for "Next Information at..." message to be posted to FIDS. If this date and time is set to some value FIDS should display "Next Information at HH:MM" where "HH:MM" is the time as entered in column SCNXTT.</p> <p>The next information message should override all other messages on FIDS for that flight.</p> <p>In effect, this time, if set, overrides all other messages for the flight on FIDS. The column is often used when a lengthy delay is anticipated for the flight but the extent of that delay is not to be made public.</p>
SCOFFR	<p>The (date and) time the slot co-ordinator offered the requester as part of the bid process in SCR handling.</p> <p>An offer will normally be made if the slot requested by the operator of the flight cannot be accommodated. The offer will normally be a reasonable</p>

Column name	Description
	alternative to the requested time.
SCOPER	The (IATA) operator or carrier code for the flight. For a flight number of "BA012" the value of SCOPER will be set to "BA". See also SCFLTN.
SCOUSR	This is the ID of the user or external system who caused this schedule record (row) to be added to the schedule file (table).
SCPACT	This indicator is set to "B" if the passenger figures disclosed above are <i>booked</i> load figures only. The load is considered to be the <i>actual</i> load if this indicator is not "B".
SCPAD1 SCPAD2 SCPAD3 SCPAD4	Passengers for Disembarkation (PADS). PADS are passengers who can be unloaded from the aircraft prior to departure due to additional demands being made for their seats. Passengers become PADS as a result of flying at a discounted rate, being staff members on "bonus" flights, etc. The 4 columns SCPAD1 through SCPAD4 identify PADS by seating class.
SCPARK	Parking fee posted. Indicator is set to "x" (YES) to indicate that a parking fee has been posted.
SCPAX	The number of adult passengers joining or leaving the flight at this location.
SCPAX1 SCPAX2 SCPAX3 SCPAX4 SCPAX5 SCPAX6	Total passengers embarking or disembarking at this location for disembarkation or embarkation at the corresponding locations identified in columns SCLOC1 through SCLOC6.
SCPAXC	Total number of child passengers joining or leaving the flight at this location.
SCPAXF	Total number of female passengers joining or leaving the flight at this location.
SCPAXI	Total number of infants joining or leaving the flight at this location.
SCPAXM	Total number of male passengers joining or leaving the flight at this location.
SCPAXU	The number of unaccompanied minors joining or leaving the flight at this location.
SCPIR	Describes Pier for gate.
SCPLNT	The flightplan time. When the flight is planned with ATC, ATC set this column to the time the flight is planning to operate. This, if you like, is ATC's STO. Not often used by users outside ATC.
SCPPC	The date-time the Proceed to Passport Control is due to be posted to FIDS - or the time PPC was actually posted to FIDS.
SCPRM2	Public Remark code that displays in the display system.
SCPRMC	Gate status code.
SCPRT2	Free format text, public remark that displays in the display system.
SCPRWY	The ID of the planned runway on which this flight operated. This is normally input by ATC via the CIES system.
SCPTO	The Probable Time of Operation (PTO) for the flight movement.

Column name	Description
	<p>This is the system's "best guess" as to when the flight is most likely to operate, based on other times held in the schedule file for that flight. The tabulation below shows how PTO is derived and where from.</p> <p>The user cannot change this column - it is derived by SAFIR.</p>
SCPUCH	Used received pushback indication.
SCQBEK	<p>If the flight has been deplaned by ATC (usually due to a delay or perhaps a necessary route change) ATC may append a suffix to the flight's original number. The suffix is used merely to show that the flight's plan is not as was originally planned. This suffix is known in the UK as the QUEBEC suffix as it is often (but not always) set to "Q".</p> <p>If a suffix is to be used this is where it goes.</p> <p>In effect, this allows the user to adjust the flight number (by adding a QUEBEC suffix) without having to create a new record in the schedule and re-enter all details for the flight a second time.</p>
SCRAMP	Describes Ramp Area for the aircrafts-parking Stand.
SCRATE	Runway rate from CIES system.
SCRDCP	Redcap.
SCRECN	<p>The unique ID of this record in the schedule. It is a very important internal control being used to link this record to other subordinate subjects in the database.</p> <p>It should have no relevance to the user. The user cannot change it.</p>
SCREGK	<p>The aircraft registration as keyed by the user. This can be anything up to the last 6 characters of the aircraft's registration.</p> <p>Where only a few characters are entered here, they must be the <i>last</i> characters of the registration.</p> <p>From this the system derives the full registration (see SCREGN).</p>
SCREGN	<p>The full (up to 10 character) registration of the aircraft operating on this flight movement. This is derived by the system from knowledge of the registration as keyed by the user (see SCREGK), the operator (see SCOPER) and the aircraft type (see SCACTP).</p> <p>The user can also change this field if the system's attempt at deriving this is incorrect.</p>
SCREQT	<p>The (date and) time of operation requested for the flight by the operator (airline) in the SCR message (Schedule Clearance Request). This is the "early" part of the negotiation between carrier and airport slot co-ordinator.</p> <p>If the slot is available, the slot coordinator will make an offer based on the requested time. If no slot exists, an alternative time (if available) will be offered to the operator (see SCOFFR).</p>
SCRETA	The date-time at which the aircraft returned from airborne. When an aircraft has gone airborne and has been forced to return immediately (usually for technical reasons) this column shows the time the aircraft returned (touched down). This is the actual time - not planned - as return from airborne is not usually a planned activity.
SCRETS	The date-time at which the aircraft returned to stand after pushback. When an aircraft has pushed back and has been forced to return to the stand immediately (usually for technical reasons) this column shows the time the aircraft returned to the stand. This is the actual time - not planned - as return to stand is not usually a planned activity.

Column name	Description
SCRMKA	The apron control remarks. 50 characters. This is free text generally for use by users in apron control and apron services.
SCRMKF	Free format remarks. 18 (50) characters. This is free text for general use. The user should agree actual usage and access rights.
SCRMKI	Internal remark code, which will displays in the display system. 10 characters.
SCRMKM	Agency Message. 11 characters
SCRMKO	General remarks.
SCRMKS	The handling agent's remarks. 50 characters. This is free text generally for use by the handling agent.
SCROT	Rotation number. The unique number assigned to a flight movement used to uniquely identify the flight on the customs "Finals" report. The number is assigned at the time the report is printed. The number is assigned in increments of one for each international operation on the day (midnight to midnight). The assignment is in actual time of operation order. A UK Government specific requirement.
SCRWAY	The ID of the Actual runway on which this flight operated. This is normally input by ATC via the CIES system at the time of operation of the flight.
SCSANO	Internal remark, used by LFV, assistance department.
SCSCEN	The ID of the scenario ex. Timetable that was responsible for creating this flight movement record.
SCSESS	This is the ID of the communications session that was used when receiving this schedule from some external source (e.g. ACCORD or SCORE). It is of no relevance to most users.
SCSHOT	If the aircraft overshot on landing and had to "go round" the date and time at which the last occurred is shown here.
SCSIDE	This indicator is set to "X" if the aircraft needs help from Marshal to park.
SCSIDR	This is the code of the Standard Instrument Departure route taken by the flight as directed by ATC on departure.
SCSPAT	Flight special attention flag. If the flight warrants special attention in some way, this flag can be set to highlight the condition. The system places no value on the setting.
SCSPK	Indicator for Short Parking, sets to Y=Yes and N=No.
SCSSRC	SSR code of the Aircraft.
SCSTN2	If the aircraft is to occupy 2 stands <i>concurrently</i> the second of these stand numbers is held here.
SCSTND	The stand number to which the aircraft is presently allocated.
SCSTO	The scheduled date and time of operation of the flight movement. This cannot be changed. This time is the Scheduled block time.
SCTASP	The true airspeed that ATC have dictated this flight will operate at when on speed control. Owned by ATC and should only be maintained by them.
SCTBT	Target ON block time or Target OFF block time.
SCTCRW	Crew transfer, No fee

Column name	Description
SCTEAM	The ID of the handling team responsible for handling passengers
SCTERM	Airport terminal code. The terminal at which the flight is due to operate or is operating. Describes the Terminal for the Pier.
SCTOUR	A code identifying tour operator.
SCTRA	The number of transit passengers (adults) onboard the flight at this location.
SCTRAG	A description identifying tour operator. Not validated.
SCTRAN	Transfer passengers.
SCTRAU	The number of transiting unaccompanied minors onboard the flight at this location.
SCTRFER	Transfer free PAX, No fee
SCTRII	Transfer PAX Int->Int dest within 4 hours.
SCUPDT	The date and time a user or some external system last changed flight movement record.
SCVIP	Total VIP passengers embarking or disembarking the aircraft at this location.
SCWBRD	Will board time.
SCWCHC	The number of wheelchairs (WCHC) on this flight.
SCWCHR	The number of wheelchairs (WCHR) on this flight.
SCWCHS	The number of wheelchairs (WCHS) on this flight.
SCWUOM	The unit of measure in which all loads (see SCFRT / SCMAIL / SCBALL) are expressed. This unit of measure must refer to a weight type unit of measure.
SCXTO	The on / off blocks time as input by the handling agent.
SCYTO	The actual on / off blocks time as input by apron control or from GOS or APIS.

CDM ABBREVIATIONS

What follows is a brief description of CDM abbreviations used in SAFIR system.

CDM	Description	Arr/Dep	SOURCE
PRWY	Planned Runway.	Arr/Dep	CIES (Fiat)
ARWY	Actual Runway	Arr/Dep	CIES (Fiat)
	LANDING/TAKE OFF		
SLDT	Schedule Landing	Arr	Timetable
STOT	Schedule Take Off Time	Dep	Timetable
CLDT	Calculated Landing Time	Arr	Calculated by the system
ZTOT	Calculated Take Off Time	Dep	Calculated by the system
TLDT	Target Landing Time	Arr	Manual input.
TTOT	Target Take Off Time	Dep	Manual input.
ELDT	Estimated Landing Time.	Arr	Latest update from CIES (FIAT) or manual input from TLDT.
ETOT	Estimated Take Off Time	Dep	Latest update from CIES (FIAT) or manual input from TTOT.
ALDT	Actual Landing Time	Arr	CIES (Fiat)
ATOT	Actual Take Off Time	Dep	CIES (Fiat)
	Taxi In/Out		
SXIT	Schedule Taxi In Time	Arr	Standard value for taxi in time.
SXOT	Schedule TaxOut Time	Dep	Standard value for taxi out time.
CXIT	Calcuted Taxi Inime	Arr	Based on statitic values .
CXOT	Calculated Taxi Out Time	Dep	Based on statitic values.
TXIT	Target Taxi In Time	Arr	Manual Input.
TXOT	Target Taxi Out Time	Dep	Manual input.
EXIT	Estimated Tax InTime	Arr	Calculated by the system
EXOT	Estimated Taxi Out Time	Dep	Calculated by the system
AXIT	Actual Taxi In Time.	Arr	Calculated by the system
AXOT	Actual Taxi Out Time	Dep	Calculated by the system
	In Block/ Off Block		
SIBT	Schedule In Block Time	Arr	Schedule Time (Tidtabell)
SOBT	Schedule Off Block Time	Dep	Schedule Time (Tidtabell)
CIBT	Calculated In Block time.	Arr	Calculated by the system
COBT	Calculated Off Block time.	Dep	Calculated by the system
TIBT	Target In Block Time.	Arr	Manual input.
TOBT	Target Off Block Time.	Dep	Manual input.

CDM	Description	Arr/Dep	SOURCE
EIBT	Estimated In Block Time.	Arr	Calculated by the system
EOBT	Estimated Off Block Time.	Dep	Calculated by the system
AIBT	Actual In Block Time	Arr	RT, Dockingsystem (GOS/APIS)
AOBT	Actual Off Block Time	Dep	RT, Dockingsystem (GOS/APIS)
	Turnaround		
MTTA	Min Turnaround Time (Minutes)	Dep	Minimum turnaround time from the system.
STTA	Schedule Turnaround Time (Minutes)	Dep	Calculated by the system
CTTA	Calculated Turnaround Time (Minutes)	Dep	Calculated by the system
TTTA	Target Turnaround Time	Dep	Manual input.
ETTA	Estimated Turnaround Time (Minutes)	Dep	Calculated by the system
ATTA	Actual Turnaround Time (Minutes)	Dep	
	De-Iceing		
DIYN	De Ice Yes/No	Dep	Manual input or data from the De-icing system.
DEIT	De Icing Type	Dep	Deicing type. Local, T2 or Remote
CDIR	Calculated De Icing Ready	Dep	Calculated by the system
TDIR	Target De Icing Ready	Dep	Manual input.
EDIR	Estimated De Icing Ready	Dep	Calculated by the system or manual input from TDIR.
ADIR	Actual De Icing Ready	Dep	Manual input or data from the De-icing system.
CDIS	Calculated De Icing Start	Dep	Calculated by the system
TDIS	Target De Icing Start	Dep	Manual input.
EDIS	Estimated De Icing Start	Dep	Calculated by the system
ADIS	Actual De Icing Start	Dep	Manual input or data from the De-icing system.
SDIT	Schedule De Icing Time	Dep	Calculated by the system
EDIT	Estimated De Icing Time	Dep	Calculated by the system or manual input from TDIT.
TDIT	Target De Icing Time	Dep	Manual input.
ADIT	Actual De Icing Time	Dep	Manual input or data from the De-icing system.
CDIE	Calculated De Icing End	Dep	Calculated by the system
EDIE	Estimated De Icing End	Dep	Calculated by the system or manual input from TDIE.

CDM	Description	Arr/Dep	SOURCE
TDIE	Target De Icing End	Dep	Manual input.
ADIE	Actual De Icing End	Dep	Manual input or data from the De-icing system.
	Source - Flags		
ELDT Source	ELDT Source		Flag that indicates message source: S = SITA F = FIAT M = Manuel . = CIES.
CTOT flag		Arr/Dep	CTOT message type A = Meddelande nr 1 (SAM) R = Ändring/Revise 1..9 = Uppdatering 1-9 (SRM) C = Cancellering (SLC)
Active Flag	Indicates if Flight is airborne	Arr	CIES

SYSTEM MANAGEMENT ORGANISATION

Swedish Airport Flight Information Integrated Resources (SAFIR) is a system that integrates operational functions and communicates with other systems and users. LFV Data manages and develops SAFIR in compliance with business demands.

System Management Organisation

At LFV Data there is a system management organisation that is responsible for the continuous management of SAFIR. The members of this organisation are:

System Owner

Malin Bengtsson

System Administrative Supervisor (SFA)

Britt-Marie Karlin

System Developer

Jan Olofsson

Per-Johan Skans

Malin Holmwall

IT Business Developer

Karin Norén

Operations Manager

Åse Johannesson

System Administrator

Stefan Ståhl

Apart from the system management organisation there are other departments the user is referred to regarding:

- Operational disturbance
- Special requirements of further development and new functionality in SAFIR

Operational disturbance

Stockholm Arlanda Airport	Arlanda Driftcentral (ADC)	08-7976600
Stockholm Bromma Airport	Arlanda Driftcentral (ADC)	08-7976600
Göteborg Landvetter Airport	Övervakningscentral (ÖVC)	031-941600

Special requirements of further development and new functionality

At the airports there are IT Requirements Coordinators who coordinate requirements for new functionality and further development of SAFIR. They communicate these demands to LFV Data.

Reference Manual

If the manual lacks important instructions or if there is incorrect information in this manual, please send an Email to System Administrative Supervisor (SFA) (britt-marie.karlin@lfv.se).

GLOSSARY

ITEM	Meaning
ADHOC	An expression that refer tom something witch is valid from time to time, not on scheduled basis.
ARNDB	ARNDB is the name of the database that contains information valid for Arlanda Airport.
BMADB	BMADB is the name of the database that contains information valid for Bromma Airport.
CIES	<u>C</u> ollaborative <u>I</u> nformation <u>E</u> xchange <u>S</u> ystem. Delivers ETA/RETA time to SAFIR.
COMDB	COMDB is the name of the database that is responsible for communication between SAFIR and other Systems (e.g. SITA, TMS or NDS) Information to and from SAFIR passes trough COMDB who is shared between all Airports
FIDS	The FIDS "Flight Information and Display System" is used for presentation of traffic information on public LCD boards. FIDS are not used at Arlanda and Bromma but are still in use at Landvetter Airport.
Fixed files	Certain data in SAFIR is there to be used for various calculations and for daily operational dispatch of flights. Such data is stored in the SAFIR database as fixed files. Fixed files are by definition information that is rather static like aircraft registrations, terminals, stands, destinations etc.
GOTDB	GOTDB is the name of the database that contains information valid for Landvetter Airport.
IATA	(<u>I</u> nternational <u>A</u> ir <u>T</u> ransport <u>A</u> ssociation) Global group of most airlines, with ambition to monitor and reflect on airline industry standards
ICAO	(<u>I</u> nternational <u>C</u> ivil <u>A</u> viation <u>O</u> rganization) This UN organisation sets the standards for the aviation industry.
LDM	Message type and abbreviation for Load Message. The message contains information about passengers and cargo and is sent to specific destination(s) via SITA. E.g. contents could be information about Female, Male and Infants passengers, Mail etc.
MMSCHDPO	Se Schedule file.
MVT	Message type and abbreviation for Movement Message. The message contains information about movements and is sent to specific destination(s) via SITA. E.g. contents could be information about takeoff times, delay codes, delay reasons etc.
NDS	NDS is an abbreviation for New Display System witch has replaced the FIDS system at Bromma and Arlanda. NDS updates the information on public and internal monitors. NDS is also used for planning of check in counters for departing flights.
Schedule file	This is the part of the database that contains information about all the flights in SAFIR. ViewMaster is an example of a module that display and manipulates data in Schedule file.
SITA	(<u>S</u> ocité <u>I</u> nternational <u>T</u> elecommunication <u>A</u> eronautique) is a global company working with communications solutions for airports and airlines.
STT	Message type and abbreviation for Scheduled Timetable. STT messages are used to update timetables at Landvetter and Bromma.
TMS	Terminal Management System, TMS used at Arlanda to plan Gate and Stand allocation for all flights.

