

**The SAS CMS Project**

**Functional Reference**

*GUI*

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Change History

|  |  |  |  |
| --- | --- | --- | --- |
| Version | Author | Date | Description |
| 0.1 | Martin Karlsson | 2007-05-10 | Initial document |
| 0.2 | Erik Gustafsson | 2007-05-18 | Added documentation on info window and roster view. |
| 0.3 | Erik Gustafsson | 2007-05-23 | Changed Trip CI/CO to home base. |
| 0.4 | Erik Gustafsson | 2007-05-24 | Fixed bugs in Tracking specific items and corrected some issues from the delivery. |
| 0.6 | Jonas Carlsson | 2008-01-24 | Created v6 from alpha1 version |
| 0.7 | Janne Carlsson | 2008-02-07 | Changed crew change rudob |
| 0.8 | Stefan Hansson | 2008-04-18 | Updated Flight Leg Info for Tracking (5.1.2) |
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| 0.11 | Per Grönberg | 2008-10-06 | Review and updates of document |
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| 1.2 | T Rudolfsson | 2009-01-08 | Added missing Tracking rudobs |
| 1.3 | J Carlsson | 2009-01-22 | Added leg color for extra seat overbooked |
| 1.4 | Stefan Hammar | 2012-05-11 | Added retiming rudobs (pairing) |
| 1.4.1 | Stefan Hammar | 2012-06-19 | Corrections after review of retiming info |
| 1.5 | Arvid Berzelius | 2012-10-29 | Smaller corrections before adding document to repository. |
| 1.5.1 | Damian Spiers | 2012-10-29 | Added Annotations in rostering |
| 1.5.2 | Ajit Ramachandran | 2012-10-29 | Added production days info in crew\_info. |

# Introduction

This document describes the customization of Jeppesen Crew user interface. It is meant as a reference document to find out what different colorings and markings in the user interface means.

# Info Window

Info window displays information in bottom left window in studio.

The layout is a table of four rows and three columns.

## Planning

The duty time for duty, trip, and wop are shown with night upgrade as default, but with the parameter “Show duty time in info window with night upgrade” set to “false”, the duty time will be shown without night upgrade.

### Crew

When mouse points at crew roster but not on any activity or left crew margin, info window displays crew information. The “Annotations” button at the top of the Studio window is used to toggle between annotations view (see 2.1.1.3) and normal crew information. If no annotations exist for a roster, crew information is displayed as normal.

#### Cabin Crew

Table : Information in info window for cabin crew in planning

|  |  |  |
| --- | --- | --- |
| Surname, First name | Employee number, (crew id), rank, contractual part-time factor, special schedule part-time factor if different from contract, group (V = variable, F = fixed, FV = fixed variable (SKN), 54X = 5/4 flex (SKN), RP = Resource pool (SKN)), home base, region, seniority | Recurrent date for SK AOC |
| AC-qualifications | Freedays in the current planning month and the previous planning month, required number in parenthesis.  Production days in the current planning month and monthly target in parenthesis. | Recurrent date for BU AOC |
| Last free weekend | Last flown dates for each qualification | Standby (block days and scattered days) in current calendar year |
| Annotations | Empty | Blank days in current calendar year |

#### Flight crew

Same as cabin crew (See 2.1.1.1) with following exception

Table : Information in info window for flight crew in planning

|  |  |  |
| --- | --- | --- |
| Same as cabin crew | Same as cabin crew | PGT month |
| Same as cabin crew | Same as cabin crew | PC date |
| Date for last simulator | Same as cabin crew | OPC month |
| Same as cabin crew | Same as cabin crew | LC month |

Table : Example of info window for flight crew in planning

|  |  |  |
| --- | --- | --- |
| BUCH-MADSEN JAN | 28106 (28106) FC 100% V CPH/SKD Sen: 99999PGT | PGT: Dec08 |
| AC Quals: A2 | Freedays: Aug 5(5), Sep 9(7) Prod\_days: 5(26) | PC: Aug09 |
| Last sim: 11Aug08 | Last flown: 12Aug08 (A2) | OPC: Feb09 |
| Annotations: None |  | LC: Apr09 |

#### Annotations view

Table : Information in info window, Annotations View

|  |  |  |
| --- | --- | --- |
| Annotation 1, line 1  (first line of the description of the first annotation) | Annotation 2, line 1  (first line of the description of the second annotation, if exists) |  |
| Annotation 1, line 2  (second line of the description of the first annotation) | Annotation 2, line 2  (second line of the description of the second annotation, if exists) |  |
|  |  |  |
| Annotation 1, validity  (Valid from/to range of the first annotation) | Annotation 2, validity  (Valid from/to range of the second annotation, if exists) |  |

If a roster has more than two annotations, the following format is used:

|  |  |  |
| --- | --- | --- |
| Annotation 1, line 1  (first line of the description of the first annotation) |  |  |
| Annotation 1, line 2  (second line of the description of the first annotation) |  |  |
|  |  |  |
| Annotation 1, validity  (Valid from/to range of the first annotation) | Annotation 2 code, dates  Annotation 3 code, dates |  |

### Rostered Flight Legs

Table : Information in info window for rostered flight legs in planning

|  |  |  |
| --- | --- | --- |
| Flight descriptor, departure airport, arrival airport | Leg block time, connection time until next leg, accumulated points (90-points style) | AC type, service type, region, assigned position, duty-code |
| Home base departure and arrival times | Duty time for current duty\*, connection time until next duty, rest time | Assigned crew vector |
| Local departure and arrival times (local time at departure and arrival airports) | Duty time for current trip\*, check-in time (home base), check-out time (home base) | Booked crew vector |
| Changes | Duty time for current wop\*, accumulated points (270-points style) | Need crew vector |

\*) The duty time is shown with night upgrade as default.

Table : Example of info window for flight leg in planning

|  |  |  |
| --- | --- | --- |
| SK777 CPH - ATH | LEG FLT 3h06 CNX 0h54 P90 30 | 32B J SKD Pos: FP IL |
| Base: 09:30-12:36 | DUTY DUT 8h39 CNX N/A REST 15h09 | Assigned: 0/1/0/0//0/0/0/0//0/0 |
| Local: 09:30-13:36 | TRIP DUT 8h39 CI 08:30 CO 17:14 | Booked: 1/1/0/0//0/0/0/0//0/0 |
| Changes: None | WOP DUT 40h06 SH P270 246 | Need: 1/1/0/0//1/0/4/0//0/0 |

### Rostered Ground Task

A ground task will show same info window as flight leg (See 2.1.2) with following exceptions:

Table : Information in info window for ground task in planning

|  |  |  |
| --- | --- | --- |
| Task code, task group (if different from task code) and location, example:  SE2 (OPC) at ARN | Same as leg | Only position |
| Activity scheduled time, example:  Sched: 06:30-14:30 | Same as leg | Same as leg |
| If activity spans more than one day, start and end date are shown here, example: 27Aug 28Aug | Same as leg | Same as leg |
| Same as leg | Same as leg | Same as leg |

### Personal Activity

A personal activity (PACT) will show same info window as ground task (See 2.1.3) with following exceptions:

Table : Information in info window for PACT in planning

|  |  |  |
| --- | --- | --- |
| Same as ground task | Same as ground task | No position is shown |
| Same as ground task | Same as ground task | Brief description of task, example: Open day, at the disposal of disposition |
| Same as ground task | Same as ground task | No booked is shown |
| Same as ground task | Same as ground task | No need is shown |

## Tracking

### Crew

When mouse points at crew roster but not on any activity or left crew margin, info window displays crew information. Layout is same as planning (See 2.1.1) with following exception:

Table : Information in info window for crew in tracking

|  |  |  |
| --- | --- | --- |
| Same as planning | Same as planning | Same as planning |
| Same as planning | **Phone number** | Same as planning |
| Same as planning | Same as planning | Same as planning |
| Same as planning | Same as planning | Same as planning |

### Rostered Flight Legs

Table : Information in info window for rostered flight legs in tracking

|  |  |  |
| --- | --- | --- |
| Flight descriptor, departure airport, arrival airport | Leg block time, connection time until next leg, accumulated points (90-points style) | AC type, service type, region, assigned position, duty-code |
| Scheduled departure and arrival times, UTC | Duty time for current duty\*, connection time until next duty, rest time | Differences between assigned crew and total crew need |
| Estimated departure and arrival times, UTC | Duty time for current trip\*, check-in time (UTC), check-out time (UTC | Differences between assigned crew and JAR need |
| Actual departure and arrival times, UTC | Duty time for current wop\*, accumulated points (270-points style) | Total crew need in flight deck and cabin |

\*) The duty time is shown with night upgrade as default.

Table : Example of info window for flight leg in tracking

|  |  |  |
| --- | --- | --- |
| SK778 ATH - CPH | LEG FLT 3h19 CNX 1h27 P90 55 | 32B J SKD Pos: AP |
| Sched: 11:30-14:50 | DUTY DUT 11h30 CNX 20h55 REST 19h35 | JAR: +1 AH |
| Est: 12:11-15:36 | TRIP DUT 24h58 CI 06:25 CO 17:38 | SRVC: Complete |
| Act: 12:11-15:30 | WOP DUT 24h58 SH P270 174 | Jar Need:2/4 S.Need:2/5 |

### Rostered Ground Task

A ground task will show same info window as flight leg (See 2.2.2) with following exceptions:

Table : Information in info window for ground task tracking

|  |  |  |
| --- | --- | --- |
| Task code, task group (if different from task code) and location, example:  SE2 (OPC) at ARN | Same as leg | Only position |
| Activity scheduled time, example:  Sched: 06:30-14:30 | Same as leg | Same as leg |
| If activity spans more than one day, start and end date are shown here, else empty, example: 27Aug 28Aug | Same as leg | Same as leg |
| Empty | Same as leg | Same as leg |

### Personal Activity

A personal activity will show same info window as ground task (See 2.2.3) with following exceptions:

Table : Information in info window for PACT in tracking

|  |  |  |
| --- | --- | --- |
| Same as ground task | Same as ground task | No position is shown |
| Same as ground task | Same as ground task | Empty |
| Same as ground task | Same as ground task | Empty |
| Same as ground task | Same as ground task | Empty |

# Status Window

## Planning

Bottom right corner in studio displays a status window of four rows.

Table : Information in status window for planning

|  |
| --- |
| Currently set planning period |
| Storage and parameter set, i.e. file/database and selected parameter set |
| Current planning area for crew |
| Current planning area for trip |

Table : Example of status window in planning

|  |
| --- |
| Period: 1-31Aug2008 |
| Storage: Database / Parameterset: temp\_parameters |
| Planning area crew: SKD, FC, A2 |
| Planning area trip: SKD, FC, A320 |

## Tracking

No status window in tracking.

# Left Margin

Left margin is information show left in window. The layout is a table of two rows and three columns.

## Planning

### Roster

#### Text Items

Table : Information in left roster margin for planning

|  |  |  |
| --- | --- | --- |
| Surname | Empty | Rank |
| Employee number | Special qualification if it exists, otherwise part-time factor. The following special qualifications exist:  TRI, TRE, OPT, CRM, LIFUS,SFI, SFE, LINST, AS, INSTR, CP, BCP, LCP, DCT, CAPT, 6M, NEW  There will also be a restriction suffix, which can be a combination of: + (60 Plus), M (Medical). If crew has a different part-time factor from special schedule, this will be marked with a ‘\*’ after the part-time factor. | Crew warnings if they exist (only in planning), otherwise home base |

#### Colors

Table : Coloration of left roster margin in planning

|  |  |  |
| --- | --- | --- |
| Red if crew illegal | Red if crew illegal | Brown if rule exceptions, else  red if crew illegal |
| Background color | Background color | Light red if Crew Warning else background color |

Background of margin is colored differently based on homebase (OSL, CPH, STO, SVG, TRD)

Following colorations are controlled by parameters (Table 17):

Table : Crew margin coloration parameter settings for planning

|  |  |
| --- | --- |
| Description (color) | Parameter (default) |
| Home base (different for each base, OSL, CPH, STO, SVG, TRD) | Crew margin color: Display home base color (off) |
| Crew warnings (bright red) | Crew warnings: Display in crew margin (on) |

Table : Example of left roster margin in planning

|  |  |  |
| --- | --- | --- |
| NILSSON LO |  | AH |
| 17291 | NEW | A |

### Trip

#### Text items

Table : Information in left trip margin for planning

|  |  |  |
| --- | --- | --- |
| Empty | Crew complement | Empty |
| Empty | Trip base | Trip Region if set |

#### Colors

Table : Coloration of left trip margin in planning

|  |  |  |
| --- | --- | --- |
| Red if illegal, brown if incomplete else white | Red if illegal, brown if incomplete else white | Red if illegal, brown if incomplete else white |
| White | White | White |

Table : Examples of left trip margin in planning

|  |  |  |
| --- | --- | --- |
| 0/0/0/0//2/2/2/0//0/0 | | |
|  | CPH | SKD |
|  | | |
| 0/0/0/0//2/2/2/0//0/0 | | |
|  | CPH | SKD |

## Tracking

### Roster

#### Text Items

Table : Information in left roster margin for planning

|  |  |  |
| --- | --- | --- |
| Surname | Empty | Rank |
| Employee number | Special qualification if it exists, otherwise part-time factor.  The following special qualifications exist:  TRI, TRE, OPT, CRM, LIFUS,SFI, SFE, LINST, AS, INSTR, CP, BCP, LCP, DCT, CAPT, 6M, NEW  There will also be a restriction suffix, which can be a combination of: + (60 Plus), M (Medical). | Home base |

#### Colors

Table : Coloration of left roster margin for tracking

|  |  |  |
| --- | --- | --- |
| Red if crew illegal | Red if crew illegal | Red if crew illegal |
| Background color | Background color | Background color |

Table : Example of left roster margin in tracking

|  |  |  |
| --- | --- | --- |
| NILSSON LO |  | AH |
| 17291 | NEW | CPH |

### Trip

#### Text items

Table : Information in left trip margin for tracking

|  |  |  |
| --- | --- | --- |
| Flight Crew booked | Empty | Empty |
| Cabin Crew booked | Empty | Trip Region |

#### Colors

Table : Coloration of left trip margin for tracking

|  |  |  |
| --- | --- | --- |
| Red if illegal, brown if incomplete else white | Red if illegal, brown if incomplete else white | Red if illegal, brown if incomplete else white |
| White | White | White |

Table : Examples of left trip margin for tracking

|  |  |  |
| --- | --- | --- |
| 1FP | | |
|  |  | SKD |
|  |  |  |
|  | | |
| 2AH |  | SKD |

# Right Margin

## Planning

Right margin not used in planning.

## Tracking

### Roster

#### Text Items

Table : Information in right roster margin for tracking

|  |  |  |
| --- | --- | --- |
| Crew’s AC qualifications | Empty | Empty |
| Empty | Empty | Empty |

Table : Example of right roster margin for tracking

|  |  |  |
| --- | --- | --- |
| A2 90 AL |  |  |
|  |  |  |

### Trip

#### Text Items

Table : Information in right trip margin for tracking

|  |  |  |
| --- | --- | --- |
| Trip AC qualification | Empty | Empty |
| Empty | Empty | Empty |

Table : Example of right trip margin for tracking

|  |  |  |
| --- | --- | --- |
| A2 90 AL |  |  |
|  |  |  |

# Rudobs

Several rudobs are controlled by parameters in visualization tab.

## Planning

### Roster

#### AC-qual change

When crew has a change to AC-qual, a mark is shown in the roster.

|  |
| --- |
| ANDERSSON AH |
| 123456 SCC CPH |

AC qual change (AL 90 > AL A2 90)

Rosters

Mon 6

00

Tue 7

00

We

00

Figure : AC Qual Change (green line)

#### Contract change

When crew has a contract change, a mark is shown in the roster.

|  |
| --- |
| ANDERSSON AH |
| 123456 SCC CPH |

Contract change (75 % V > 100% V)

Rosters

Mon 6

00

Tue 7

00

We

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Figure : Contract change (purple line)

#### Homebase change

When crew has a homebase change, a mark is shown in the roster.

|  |
| --- |
| ANDERSSON AH |
| 123456 SCC CPH |

Contract change (75 % V > 100% V)

Rosters

Mon 6

00

Tue 7

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We

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Figure : Contract change (light purple line)

#### Briefing/Debriefing and Required rest after trip

|  |
| --- |
| ANDERSSON AH |
| 123456 SCC CPH |

Briefing

Rosters

Mon 6

00

Tue 7

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We

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Figure : Assigned trip rudobs (green lines)

#### Simulator Briefing/ Debriefing

Briefing and debriefing are with standard check-in rudob.

|  |
| --- |
| ANDERSSON AH |
| 123456 SCC CPH |

Briefing

Rosters

Mon 6

00

Tue 7

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We

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Y3

1100

Figure : Simulator briefing (green line)

#### Bids

Crew’s bids are visualized using pink and gray rudobs. A non granted bid is pink, and a granted bid is gray.

|  |
| --- |
| ANDERSSON AH |
| 123456 SCC CPH |

Time off bid

Rosters

Mon 6

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Tue 7

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We

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Figure : Time off bid (light red and gray line)

.

|  |
| --- |
| ANDERSSON AH |
| 123456 SCC CPH |

Trip length: Max 2 days. Valid 99 times

Rosters

Mon 6

00

Tue 7

00

We

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Figure : Bid granted by trip (gray line)

#### Non available period

If crew lack employment, this is shown with blue field.

|  |
| --- |
| ANDERSSON AH |
| 123456 SCC CPH |

Non available period

Rosters

Mon 6

00

Tue 7

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We

00

F

Figure : Crew without employment (blue field)

#### Lost recency

When crew loses a recency, the qualification and date is shown with a light red line.

|  |
| --- |
| ANDERSSON AH |
| 123456 SCC CPH |

Lost recency – 7Jul2008 (90)

Rosters

Mon 6

00

Tue 7

00

We

00

#### Free Weekend

Crew’s last possible free weekend.

|  |
| --- |
| ANDERSSON AH |
| 123456 SCC CPH |

Last possible free weekend

Rosters

Mon 6

00

Tue 7

00

We

00

Figure : Last possible free weekend (red line)

#### Rule Exception

Trip has a rule exception.

|  |
| --- |
| ANDERSSON AH |
| 123456 SCC CPH |

Rule Exception

Rosters

Mon 6

00

Tue 7

00

We

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Figure : Rule Exception in trip (brownish line)

Figure : Crew lost recency for AC-qual  
 (light red line)

### Trip

#### Briefing/Debriefing and Required rest after trip

|  |
| --- |
| ANDERSSON AH |
| 123456 SCC CPH |

Briefing

Rosters

Mon 6

00

Tue 7

00

We

00

Figure : Trip rudobs (green lines)

#### Simulator Briefing/ Debriefing

Briefing and debriefing are with standard check-in rudob.

|  |
| --- |
| ANDERSSON AH |
| 123456 SCC CPH |

Briefing

Rosters

Mon 6

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Tue 7

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We

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Y3

1100

Figure : Simulator briefing (green line)

#### Retiming

Leg has retiming alternatives

sas_dok4.jpg

Leg is retimed (shows original time)

1. You can switch off and modify the colour of the **Leg has retiming alternatives** rudobs in the **Visualisation** tab of the **Rule Parameters** form.
2. When you point at any of these rudobs with the mouse you get details in the information window.
3. The “Leg is retimed” rudob is present in **all** kinds of windows. In the rotation window and leg set window it shows how the leg is retimed in the sub-plan.
4. These rudobs require that a Pairing rule set is loaded.

## Tracking

### Roster

#### Points indicator

Remaining points in duty.

Blue-gray if current points are less than or equal to 90, otherwise red.

|  |
| --- |
| ANDERSSON AH |
| 123456 SCC CPH |

90 points limit indicator. Remaining points: 42

Rosters

Mon 6

00

Tue 7

00

We

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Figure : Remaining points (<=90, blue-gray line)

|  |
| --- |
| ANDERSSON AH |
| 123456 SCC CPH |

108 points limit indicator. Remaining points: 11

Rosters

Mon 6

00

Tue 7

00

We

00

Figure : Remaining points   
(> 90, red line)

#### Briefing / Debriefing

|  |
| --- |
| ANDERSSON AH |
| 123456 SCC CPH |

Briefing

Rosters

Mon 6

00

Tue 7

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We

00

Figure : Briefing/Debriefing   
(green lines)

#### Simulator Briefing/ Debriefing

Briefing and debriefing are with standard check-in rudob.

|  |
| --- |
| ANDERSSON AH |
| 123456 SCC CPH |

Briefing

Rosters

Mon 6

00

Tue 7

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We

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Y3

1100

Figure : Simulator briefing (green line)

#### Delayed check-in time

If check-in time is delayed, this is indicated by a brown marker for the delay time.

|  |
| --- |
| ANDERSSON AH |
| 123456 SCC CPH |

Delayed check in time

Rosters

Mon 6

00

Tue 7

00

We

00

#### Briefing – Crew checked in

When crew are checked in to a flight, the briefing object changes color.

|  |
| --- |
| ANDERSSON AH |
| 123456 SCC CPH |

Briefing

Rosters

Mon 6

00

Tue 7

00

We

00

Figure : Briefing when crew checked in (bright green line)

#### Checked in

When crew are checked in, check in info is show with light green line.

|  |
| --- |
| ANDERSSON AH |
| 123456 SCC CPH |

Checked in a 3:00, duty from 3:40 to 08:00

Rosters

Mon 6

00

Tue 7

00

We

00

Figure : Crew checked in   
(light green line)

#### Delayed check-in

When check-in has been delayed a brown rudob is shown from calculated to new check-in

|  |
| --- |
| ANDERSSON AH |
| 123456 SCC CPH |

Briefing

Rosters

Mon 6

00

Tue 7

00

We

00

Figure : Delayed check-in  
(brow line)

#### Bought days

A bought period is shown with a yellow roster background.

|  |
| --- |
| ANDERSSON AH |
| 123456 SCC CPH |

Buy: F () By: ADO182

Rosters

Mon 6

00

Tue 7

00

We

00

Figure : Bought period   
(light yellow field)

#### Block off

Difference between actual and scheduled block off shown with gray marker.

|  |
| --- |
| ANDERSSON AH |
| 123456 SCC CPH |

SK358 departure ahead of time 0:04

Rosters

Mon 6

00

Tue 7

00

We

00

14:16

Figure : Block off (gray marker)

#### Block in

Difference between actual and scheduled block off shown with blue-gray marker.

|  |
| --- |
| ANDERSSON AH |
| 123456 SCC CPH |

SK4611 arrival ahead of time 0:07

Rosters

Mon 6

00

Tue 7

00

We

00

Figure : Block in (blue-gray line)

#### Informed BL Day

Informed BL replaced with production is shown in roster.

|  |
| --- |
| ANDERSSON AH |
| 123456 SCC CPH |

Informed BL-day in CPH

Rosters

Mon 6

00

Tue 7

00

We

00

Figure : Informed BL day (light brown field)

#### Informed BL Day

Informed BL replaced with informed production is shown in roster.

|  |
| --- |
| ANDERSSON AH |
| 123456 SCC CPH |

Informed BL-day in CPH

Rosters

Mon 6

00

Tue 7

00

We

00

Figure : Informed BL day with informed production (light brown field)

#### Informed period

If period has been marked as informed, this is shown with blue line in roster

|  |
| --- |
| ANDERSSON AH |
| 123456 SCC CPH |

The period will be considered INFORMED when saved

Rosters

Mon 6

00

Tue 7

00

We

00

Figure : Period is Informed on save   
(blue line)

#### Not publish period

A change which occurs inside period marked for non-publish will not be published on save

|  |
| --- |
| ANDERSSON AH |
| 123456 SCC CPH |

The period will be not be PUBLISHED when saved

Rosters

Mon 6

00

Tue 7

00

We

00

Figure : Period will not be published  
on save (yellow line)

#### Planning period

Current planning period will be show with small change in roster background color.

|  |
| --- |
| ANDERSSON AH |
| 123456 SCC CPH |

Rosters

Mon31

00

Tue 1

00

We

00

Figure : Planning period border,   
light gray outside planning period

#### Now time marker

|  |
| --- |
| ANDERSSON AH |
| 123456 SCC CPH |

Time-point 1Sep2008 12:00

Rosters

Mon31

00

Tue 1

00

We

00

Figure : Current now time marked (vertical red line)

#### Non available period

If crew has no employment, this is shown using a blue field.

|  |
| --- |
| ANDERSSON AH |
| 123456 SCC CPH |

Non available period

Rosters

Mon 6

00

Tue 7

00

We

00

F

Figure : Crew without employment   
(blue field)

#### Min required rest after trip including local transport

**Figure 31: Assigned trip rudobs (blue line)**

|  |
| --- |
| ANDERSSON AH |
| 123456 SCC CPH |

Min required rest, incl. local transport (1:00+1:00)

Rosters

Mon 6

00

Tue 7

00

We

00

#### Crew leased

Crew leased to non-SAS companies are shown using a light green background.

|  |
| --- |
| ANDERSSON AH |
| 123456 SCC CPH |

Crew leased during 3 days

Rosters

Mon 6

00

Tue 7

00

We

00

Figure 29: Crew Leased period (light green field)

### Trip

#### Flight trip rudobs

Flight trips use briefing

, debriefing, block on/off and minimum rest after trip

|  |
| --- |
| ANDERSSON AH |
| 123456 SCC CPH |

Min required rest, incl. local transport (1:00+1:00)

Rosters

Mon 6

00

Tue 7

00

We

00

Figure : Trip rudobs

#### Simulator Trip

Simulator trips have briefings and min req. rest.

|  |
| --- |
| ANDERSSON AH |
| 123456 SCC CPH |

Briefing

Rosters

Mon 6

00

Tue 7

00

We

00

Y3

1100

Figure : Simulator briefing  
 (red field)

### Failobject

In tracking, a rule failure will be displayed with red marker on calculated leg, both in trip and roster view.

|  |
| --- |
| ANDERSSON AH |
| 123456 SCC CPH |

Coll: Rest in 24h from C/I 12:46[14:00]

Rosters

Mon 6

00

Tue 7

00

We

00

Figure : Tracking fail object (red marker)

# Leg Object coloration

Current studio color setting

## Planning

### Background colors

Table : Leg background colors for planning

|  |  |  |
| --- | --- | --- |
|  | 1 | Normal flight leg color |
|  | 12 | Overbooked flight leg |
|  | 11 | Deadheading crew |
|  |  | Extra seat |
|  |  | Extra seat overbooked |
|  | 13 | Off duty activity |
|  | 10 | Standby activity |
|  |  | Ground task, studio default |
|  | 14 | Ground training (roster view only) |
|  |  | Leg cancelled |

### Leg markers

Table : Leg markers for planning

|  |  |
| --- | --- |
| 5 | Assigned above rank (Roster view only) |
| 6 | Assigned below rank (Roster view only) |
| 7 | Duty code marker (Roster view only) |
| 8 | Aircraft change |
|  | AC-qual marker group 1, set parameter  in visualization tab |
|  | AC-qual marker group 2, set parameter  in visualization tab |
|  | Connection locked (Trip view only) |

## Tracking

### Background colors

Table : Leg background colors for tracking

|  |  |  |
| --- | --- | --- |
|  | 1 | Normal flight leg color |
|  |  | Flight leg under crewed service need (roster view only) |
|  |  | Flight leg under crewed JAR need (roster view only) |
|  |  | Normal flight leg over crewed (roster view only) |
|  | 12 | Overbooked flight leg/ground training (trip view only) |
|  | 11 | Deadheading crew |
|  |  | Ground transport |
|  | 17 | Canceled flight (also illegal) |
|  |  | Manually created flight |
|  | 13 | Off duty activity |
|  | 10 | Standby activity |
|  |  | Ground training correctly crewed |
|  |  | Ground training under crewed (roster view only) |
|  | 14 | Ground training over crewed (roster view only) |

### Leg markers

Table : Leg markers for tracking

|  |  |
| --- | --- |
| 16 | Illegality marker |
| 2 | Base break before/after |
| 3 | Airborne (and now-time marker) |
| 4 | Landed |
| 9 | Checked-in for airport standby |
| 5 | Assigned above rank |
| 6 | Assigned below rank |
| 7 | Duty code marker |
| 8 | Aircraft change |