

New aircraft edition panel

The aircraft edition panel is divided into **4** separate sections: BASIC, OPS, SALES and PERFORMANCE. Right below you can see an aircraft status: Active, Not Used or Deleted. Here you can also mark a checkbox **ACMI** if the tail is temporary leased or sub chartered aircraft by your company. Next to it you can see the price that Leon charges for the particular aircraft.

BASIC



Aircraft	Short name	IATA code	ICAO code	SELCAL	PAX capacity	MTOW	Fuel unit	Operator/ICAO code	Address
10100	1010		1010		10	1000	10	1010	1010
10100	1010		1010		10	1000	10	1010	1010
10100	1010		1010		10	1000	10	1010	1010
10100	1010		1010		10	1000	10	1010	1010
10100	1010		1010		10	1000	10	1010	1010
10100	1010		1010		10	1000	10	1010	1010
10100	1010		1010		10	1000	10	1010	1010
10100	1010		1010		10	1000	10	1010	1010
10100	1010		1010		10	1000	10	1010	1010
10100	1010		1010		10	1000	10	1010	1010

Aircraft edition panel - basic information

This page shows **basic** aircraft information and is split into a few sections, such as:

- AIRCRAFT TYPE** - mandatory information is: the aircraft Name, Short name, IATA code and the aircraft registration. Additional information is: SELCAL (selective-calling number which can alert an aircraft's crew that a ground radio station wishes to communicate with the aircraft) and aircraft phone number.
- CREW** - mandatory information is: minimum required Cockpit & Cabin crew, PAX capacity and Maximum Cargo. Additional information is: default Rest Facility (used for augmented and double crew flights).
- HOME BASE** - mandatory information is: Leon home base (select the base defined in General Setting for your operator) & ICAO home base. Additional information is: year of production & serial number.
- UNITS** - mandatory information is: MTOW (in a default unit defined in General Settings - Leon always shows suggested MTOW for a particular aircraft type). Additional information is: weight unit, fuel unit (also displayed in Journey Log for fuel inputs), Operator/ICAO code (Leon will show the operator name or a code on the Handling Requests form) and the Address.

OPS

This tab shows OPS related information of the aircraft, of which the mandatory ones are: Max fuel & Burn fuel on taxi per h.

The additional information is:

Aircraft category	Aircraft name - all length	Maximum Passenger weight
1	0 m up to but not including 9 m	2m
2	9 m up to but not including 12 m	3m
3	12 m up to but not including 18 m	4m
4	18 m up to but not including 24 m	5m
5	24 m up to but not including 28 m	6m
6	28 m up to but not including 39 m	7m
7	39 m up to but not including 49 m	8m
8	49 m up to but not including 61 m	9m
9	61 m up to but not including 76 m	10m
10	76 m up to but not including 90 m	11m

Aircraft 'Rescue & Fire fighting categories

- **Table view colour** - the aircraft colour in a section OPS > Table.
- **No handling needed at home base** - if marked, Leon will not require sending handling requests email.
- **Default flight type** - select N-non-scheduled, S-scheduled, G-general, X-other or M-military.
- **Default flight rule** - select IFR, VFR or other rules.
- **ICAO noise category** - the standard of the aircraft noise: Chapter 2, Chapter 3, Chapter 4, Chapter 10 or Chapter 14.
- **Rescue & fire fighting category** - an option to select the appropriate category depending on the aircraft length (see screenshot on the right).
- **Flight number** - default flight number displayed automatically in a section OPS when adding a new trip.
- **Increase by one** - if marked, adding a flight within one trip will by default increase the flight number by one (ABC1, ABC2, ABC3, ...) if the previous leg ends on any number.
- **Notes** - all information added into this field will appear on a Trip Sheet document.

SALES

In this panel you can add 'Airport Fees' & 'Aircraft Fees' (previously set up in a section SALES > FEES). You can also upload an aircraft pictures here which can be used in 'Documents Manager' - uploaded pictures can be added on sales documents.

PERFORMANCE

Here you can add the **aircraft performance** data which will be used for calculating **STA** time on all trips on the particular tail.

Available fields are: **Climb rate** (ft/min), **Descent rate** (ft/min), **Max Flight Level**, **Max range with '0' PAX** (NM), **Max range with max PAX** (NM) and **Minimum Ground Time** (when you add a new trip and the difference between STA of the last leg and STD of the new leg is less than 'Minimum Ground Time' set in this field, Leon will display a warning message. This value will also be used as a Rotation time for the aircraft and subsequently, towards Rotation prognosis calculation in the TIMELINE view.)

Below you can select which calculation **model** you want Leon to apply.

ADVANCED

The advanced calculation model can be useful on **short haul** flights, as it is more accurate if it comes to calculating STA.

Insert the **IFR Route Factor** (%) - here you can increase GCD (Great Circle Distance).



The screenshot shows a web interface for a calculation model. At the top, there's a header 'Calculation model' with a dropdown menu set to 'Leonsoft'. Below this is a field 'PR-Route Factor*' with a value of '1.00 %'. The main section is titled 'DISTANCE PROFILES' and contains a table with four columns: 'Distance [NM]', 'Miles to Climb [NM]', 'Climb Time [hh:mm]', and 'Cruise speed [kts]'. There are three rows of data in the table, and a '+' icon is visible to the right of the table header. At the bottom of the panel are 'SAVE' and 'CANCEL' buttons.

Distance [NM]	Miles to Climb [NM]	Climb Time [hh:mm]	Cruise speed [kts]
000	40	00:14	450
300	50	00:20	450
400	90	00:30	450

Advance aircraft performance calculation model

Define **DISTANCE PROFILES** - use + icon to add more entries.

- **Distance** [NM]
- **Miles to Climb** [NM]
- **Climb Time** [hh:mm]
- **Cruise speed** [kts]

If, for example, the Distance between ADEP & ADES is 400 NM, Leon will use distance profile added for 300 NM (as in the screenshot).

SIMPLE

Add the aircraft speed adding details into 'From' & 'Cruise speed' fields (just like in the old Fleet version), by defining speed per hour of the flight, i.e.:

00:00 275 (knots)

01:00 425 (knots)

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