

# Line Maintenance Planning Module

## User guidance

---

Copyright© 2020 ALASKAR Technologies

**Confidential Information:**

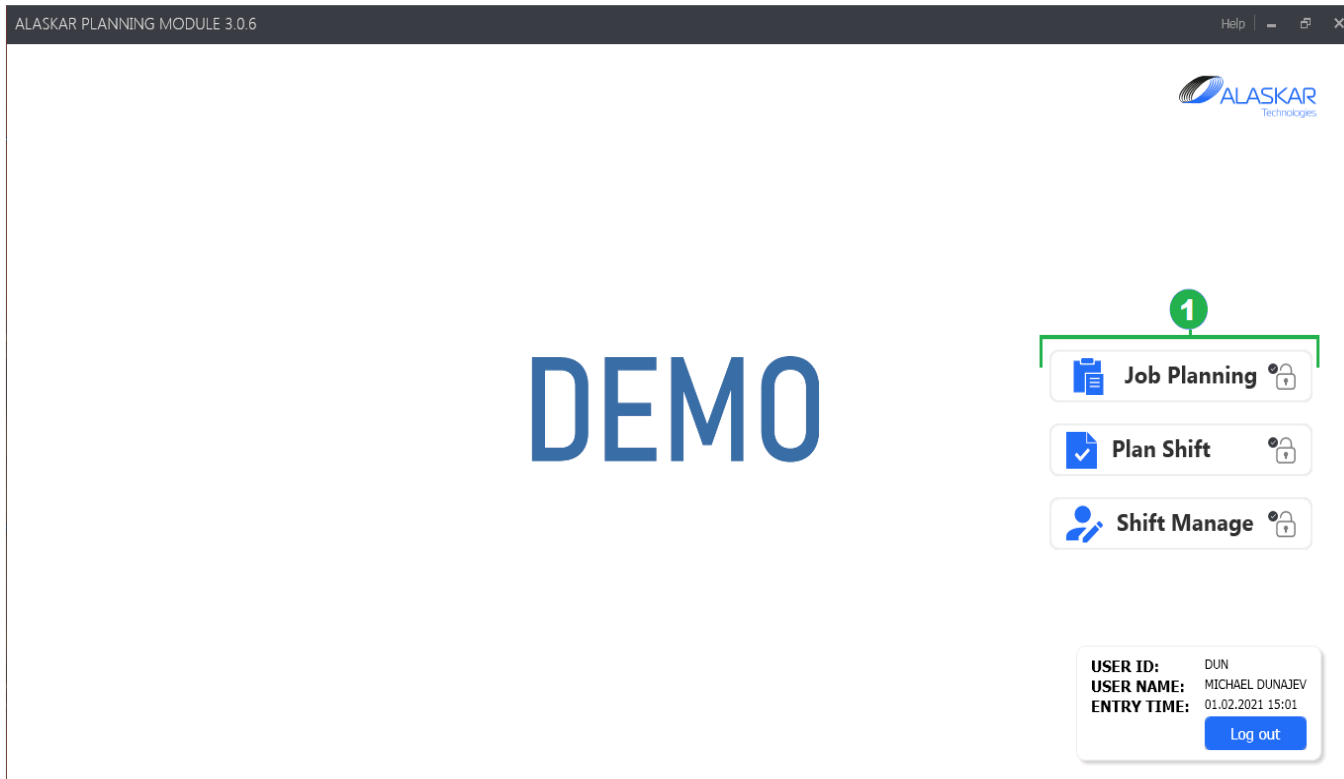
This document contains the confidential and proprietary information of ALASKAR Technologies.

Disclosure is restricted.

## Contents

1. Plan .....	3
2. Plan Shift .....	15

# 1. Job Planning



1. Press “Job Planning” to start submodule.

**Work Order Details:**

Id	Number	A/C Type	A/C Reg	Remark	Mel Time
30788	1506006	ERJ-170	ESAEA	PAX CABIN MID SECTION CARPET IS WORN	

**Planned Jobs Table:**

Id	A/C Reg	A/C Type	Station	Carrier	Description	EstMH
120532	YLLCL	A320	AGA	SLX	2	2
120535	YLLCL	A320	AGA	SLX	2	2
120537	ALL		ARN		1	2
120542	ALL		AGA		312cfsddsf	2
120543	ESACD	CRJ900NG	AGA	OV	312cfsddsf	2
120558	ESAEA	ERJ-170	AGA	OV	PERFORM NRC No.: 1506006	3

Line Maintenance Planning Module is divided in two screens. Left screen contains work orders, NRC or additional job that is created in this module using editor. Right screen contains planned jobs that fall from left screen.

2. Click on the ( ) button. Here you can select “Main Menu”, “Job Planning”, “Plan Shift” or “Shift manager” if needed.

3. Also, you can choose NRC or WO or Additional job using upper tabs. Select, please, NRC or WO if it is necessary.

4. Using the filters to find NRC or WO quickly. Filter “O” is Open, filter “P” is in Process. Left window allows to search by aircraft registration or aircraft type.

The screenshot displays the ALASKAR PLANNING MODULE 1.0.0 interface. It is divided into three main sections: a top navigation bar, a left sidebar, and a main content area. The top navigation bar includes a menu icon, the text 'ALASKAR PLANNING MODULE 1.0.0', and a 'Menu Help' dropdown. The left sidebar contains a 'Planned Jobs' table with columns for Id, A/C Reg, A/C Type, Station, and Carrier. The main content area is split into two panes. The left pane shows a table with columns for Id, A/C Type, A/C Reg, Carrier, and CarrierName, containing six records. The right pane is the 'Editor' form, which includes fields for A/C Reg, A/C Type, Carrier, Carrier Name, Job Description, Reference, Note, Comments, Skill, MHR, and Down. There are also checkboxes for 'Planned Use Hangar' and 'Planned Use GPU'. Numbered callouts are present: '5' points to the 'Additional' tab in the top navigation bar; '6' points to the 'EDIT' icon (pencil) in the top right of the main content area; '7' points to the 'ADD' icon (plus sign) in the top right of the Editor form; and '8' points to the 'ADD' icon (plus sign) in the top right of the Editor form.


Id	A/C Type	A/C Reg	Carrier	CarrierName
74	CRJ900NG	ALL	OV	Estonian Air AS
72	CRJ900NG	ALL	OV	Estonian Air AS
4	CRJ900NG	ESACD	OV	Estonian Air AS
3	CRJ900NG	ESACD	OV	Estonian Air AS
2	A320	YLLCL	SLX	SmartLynx Airline
1	CRJ900NG	ESACD	OV	Estonian Air AS

Id	A/C Reg	A/C Type	Station	Carrier
----	---------	----------	---------	---------





Records: 6

Records: 0

5. Click on the “Additional” tab

6. Push on the EDIT Icon (  ) and Additional Jobs Editor will be appeared.

7. Select A/C Reg, A/C Type, Carrier and Carrier Name. Enter Job Description. Add information to Reference field, enter note and comments, if it is necessary. Select from the whole list skill. Enter Manhours and Down data. Also, you can indicate the need to use a hangar and GPU.

8. To save entered data click on the ADD Icon (  ). Update Icon (  ) allows to save changes in the editor. To remove created job, click on the DELETE (  ). To reset all entered data, click on the REFRESH (  ).

The screenshot shows two side-by-side windows from the ALASKAR PLANNING MODULE 1.0.0. The left window displays a table of flight records. The right window displays the 'Planned Jobs' screen.

Id	A/C Type	A/C Reg	Carrier	CarrierName	Description	Reference	Note
	A320	YLLCL	SLX	SmartLynx Airlines	2		
4	CRJ900NG	ALL	OV	Estonian Air AS	gtgtg		
2	CRJ900NG	ALL	OV	Estonian Air AS			
	CRJ900NG	ESACD	OV	Estonian Air AS	312cfsdsg		
	CRJ900NG	ESACD	OV	Estonian Air AS	312cfsdsg		
	CRJ900NG	ESACD	OV	Estonian Air AS	1		

The 'Planned Jobs' screen has the following fields and controls:

- Station: [Dropdown]
- Date: 03.12.2020 [Calendar icon]
- Shift:  Day  Night
- Print icon

Annotations in the image:

- 9**: A green circle with the number 9 is placed over the 'Planned Jobs' title bar.
- 10**: A green circle with the number 10 is placed over the 'A/C Reg' field in the table.
- 11**: A green circle with the number 11 is placed over a right-pointing arrow button in the table's toolbar.

Records: 6 (left window) | Records: 0 (right window)

To transfer the job to Planned Jobs screen, do these steps:

9. In the “Planned Jobs” screen select Station and scheduled maintenance Date. Select Day shift or Night shift.

10. In the left screen select and double click on the line. ADD JOB TO PLAN Editor will be appeared.

11. Also you can highlight the line and push on the button with the right arrow. ADD JOB TO PLAN Editor will be appeared.

The screenshot shows the 'ADD JOB TO PLAN' dialog box with the following fields and callouts:

- 12:** Date field (03.12.2020) with a calendar icon.
- 13:** Shift Type dropdown (Day).
- 13:** Station dropdown (empty).
- 13:** No. field (2).
- 13:** Category dropdown (Additional).
- 14:** A/C Reg. dropdown (YLLCL).
- 14:** A/C Type dropdown (A320).
- 14:** Carrier dropdown (SLX).
- 14:** Carrier Name field (SmartLynx Airlines).
- 15:** Job Description text field (2).
- 15:** Reference text field (empty).
- 15:** Note text field (empty).
- 16:** Skill dropdown (APPRENTICE NDT).
- 16:** MHR field (2).
- 16:** Down field (2).
- 17:** Start Time (Hour: 08, Minute: 00) and End Time (Hour: 10, Minute: 00) spinners.
- 17:** Planned Use GPU checkbox (unchecked).
- 17:** Planned Use Hangar checkbox (unchecked).
- 18:** OK button.

12. ADD JOB TO PLAN Editor will automatically generate a today's date. If the edit date is not today, use the calendar to select the correct planned date.

13. Choose a shift type (It can be night or day shift). Select Station.

14. Select A/C registration.

15. Necessarily fill Job Description field. Also, you can optionally enter Reference and Note.


16. Choose Skill, enter MHR and Down.

17. Check box Hangar and GPU if you plane to use them. Do not forget to show start time and end time of maintenance.

18. Click on the OK.

The screenshot displays the ALASKAR PLANNING MODULE 3.0.6 interface. On the left, the 'Additional' tab is active, showing a table with columns: A/C Reg, A/C Type, Carrier, Carrier Name, and Description. The table contains three rows of data. On the right, the 'Planned Jobs' screen is visible, showing a date of 3/12/2020 and a table with columns: A/C Reg, A/C Type, Station, Carrier, and Description. A green circle with the number 20 points to a pencil icon in the top right of the 'Planned Jobs' section. In the foreground, an 'UPDATING PLANNED JOB' dialog box is open. It contains fields for Date (3/12/2020), Shift Type (Day), Station, No (2), Category (Additional), A/C Reg (YLLCL), A/C Type (A320), Carrier (SLX), and Carrier Name (SmartLynx Airlines). There are also fields for Job Description (2), Reference, Note, Skill (APPRENTICE NDT), MHR (2), and Down (2). At the bottom, there are time selection fields for Start Time (08:00) and End Time (10:00), and checkboxes for 'Planned Use GPU' and 'Planned Use Hangar'. A green circle with the number 21 points to the 'Update' button at the bottom of the dialog box.

19. You can see your job in the list of the “Planned Jobs” screen.

20. If you need to make a change in the editor of the job, there is no need to move the task to the left screen. Click on the button 

21. Make all necessary changes and push on the “Update” button.



The screenshot displays the ALASKAR PLANNING MODULE 3.0.6 interface. On the left, the 'Additional' tab is active, showing a table with columns: A/C Reg, A/C Type, Carrier, Carrier Name, and Description. The table contains four rows of job data. A green box highlights the 'Shift Management' option in the left-hand navigation menu, with a green circle containing the number 24. On the right, the 'Planned Jobs' window is open, showing a table with columns: A/C Reg, A/C Type, Station, Carrier, and Description. A single row is visible. A green circle containing the number 22 points to this row. Below the table, a green circle containing the number 23 points to a left-pointing arrow button. At the bottom of the interface, the status bar shows 'User: DUN Permission: Full Control'.

To transfer the job to left screen:

22. Double click on the line.


23. Also, you can highlight the line and push on the button with the left arrow to transfer job back to left side of window.

Next step is "Shift Management".





24. Select "Shift Management" tab.

Id	Date	Type	Station	Man In Shift	SeniorLicense	SeniorName
5632	03.12.2020	Day	ARN	0	E08	

25. Make sure you correctly set Station, Date and Shift to see this job.

26. Click on the Editor Icon (  ) to open Editor.

27. Here you can change Shift Leader and Station.

28. To add new shift entered data click on the ADD Icon (  ). Update Icon (  ) allows to save changes in the editor. To remove created job, click on the DELETE (  ). To reset all entered data, click on the REFRESH (  ).

29. To open Shift Resources Editor, push Shift Resources button.

30. Also, you can double click on the line and Shift Resources Editor opens.

EDIT SHIFT RESOURCES

Apply Template Edit Template

Mechanic: Name: Skill: Skill In Shift:

Comment:

Name	License	Skill	Comment	Id
MICHKASOV VADIM	A-1808	TECHNICAN B1/B2		151

Records: 0

Close

In this editor you can staff the shift. Do these steps:

31. Select Mechanic
32. Choose corresponding mechanics skill.
33. If it is necessary, enter comments.
34. Push on the ADD Icon (⊕).
35. You can see mechanic data in the list of the staff of this shift. Highlight it.
36. To remove mechanic data, click on the Icon (🗑).
37. Close the screen.

ALASKAR PLANNING MODULE 1.0.0 Menu Help

### Shifts

Station:  Date: 01.12.2020  Day  Night

Id	Date	Type	Station	Man In Shift	SeniorLicense	SeniorName
5562	01.12.2020	Day	BHX	1	DUN	MICHAEL DUNAJEV

Records: 1

38. In Man In Shift Column you can monitor number of people in shift. Since I added only one person to the shift, you see the value 1.

Please, double click on the line and Shift Resources Editor opens.

The screenshot shows two overlapping windows. The top window is titled 'EDIT SHIFT RESOURCES' and contains a toolbar with an 'Add' icon (+) and an 'Edit Template' button (39). Below the toolbar are input fields for 'Mechanic' (40), 'Name', 'Skill', and 'Skill In Shift'. The bottom window is titled 'EDIT RESOURCES TEMPLATE' and contains an 'Add' icon (+) (43), a 'Delete' icon (45), and input fields for 'Mechanic' (40), 'Name' (MICHKASOV VADIM), 'Skill', and 'Skill In Shift' (41). A 'Comment' field (42) is also present. Below the form is a table with columns: Name, Licence, Skill, Comment, and Id. The table contains one record for MICHKASOV VADIM with skill 'TECHNICIAN B1' and id '9' (44). At the bottom of the window is a 'Close' button (46) and a 'Records: 0' indicator.

Name	Licence	Skill	Comment	Id
MICHKASOV VADIM		TECHNICIAN B1		9

39. Click on the upper “Edit Template” inscription. In “Resource Template” editor you can create template of the shift staff.

40. Select Mechanic

41. Choose corresponding mechanics skill.

42. If it is necessary, enter comments.

43. Push on the ADD Icon (⊕).

44. You can see mechanic data in the list of the staff of this shift. Highlight it.

45. To remove mechanic data, click on the Icon (🗑).

46. Close the screen.

EDIT SHIFT RESOURCES

+ | **Apply Template** | Edit Template

Mechanic: **47** Name: Skill: Skill In Shift:

Comment:

Name	License	Skill	Comment	Id
MICHKASOV VADIM	A-1808	TECHNICAN B1/B2		155
MICHAEL DUNAJEV	DUN	FITTER AVIONIC		156

Records: 2

**49** Close

47. In “SHIFT RESOURCES” editor push on the “Apply Template” inscription to copy the resources of shift from template to shift resources.

48. After it you can monitor the list of this shift, that was added from template.

49. Close the window.

## 2. Plan Shift

The screenshot shows the 'Plan Shift' interface with a table of jobs and a 'COMPLETE JOB' dialog box. The table has the following data:

Id	A/C Reg	A/C Type	Station	Carrier	Description	EstMHR	EstD	Complete	Deadline	Status	Hours	Minute
120508	VQ-BBB	B737-800	BHX	SYL	PUSH BACK TO HANGAR	1	1	Complete	30.11.2020	O	0	0

The 'COMPLETE JOB' dialog box contains the following fields:

- Date: 11/30/2020
- Shift Type: Day
- Station: BHX
- No: 5
- Category: Additional
- A/C Reg: VQ-BBB
- A/C Type: B737-800
- Carrier: SYL
- Carrier Name: DEMO
- Job Description: PUSH BACK TO HANGAR
- Statistic Category: (dropdown)
- MHR: 1
- Down: 1
- Action Note: (text area)
- Completion Date: 12/7/2020
- Completion Time: 16:00
- Duration: 01:00
- Deferred Completion
- Brigade: (dropdown)
- Performer: (dropdown)
- Performer Name: (text field)

Buttons: OK, Close

1. To open the Planned Job Registration screen click on the “Plan Shift” inscription.

2. Use the filters such as Day Shift/Night Shift/Station/Date to find job quickly.

3. Highlight corresponding line.

4. Click on the COMPLETE inscription. Complete Job Editor will be opened.

5. All data such as Planned Date/Shift/No/Category/A/C Reg/Carrier and Job Description are already filled.

6. Select Statistic Category/ Compl Date/Compl Time/Station/Hour and Minute/Brigade/Performed by. Enter Action Note. If you check box Deferred Completion, write a reason.

7. Click on the OK.

The screenshot shows the 'Plan Shift' interface in the ALASKAR PLANNING MODULE 3.0.0. At the top, there are input fields for Station, A/C Reg, Date (11/30/2020), and Day/Night selection. Below this is a table with columns: Id, A/C Reg, A/C Type, Station, Carrier, Description, EstMHR, Est, Priority, Deadline, Status, Hours, and Minute. The first row is highlighted in green, with a green circle '8' pointing to the Station column. A context menu is open over the Description 'PUSH BACK TO HANGAR', with options 'Complete', 'Hangar Use', and 'GPU Use'. A green circle '9' points to the 'Hangar Use' option. Two modal windows are open: 'HANGAR USE' (left) and 'GPU USE' (right). The 'HANGAR USE' window has fields for Shift, Hangar, Aircraft (VQ-BBB), Customer, Start Time (08:00), End Time (10:00), and Duration (02:00). A green circle '10' points to the Aircraft field. The 'GPU USE' window has fields for Shift, Aircraft, Customer, Start Time (08:00), End Time (10:00), and Duration (02:00). A green circle '11' points to the Aircraft field. Both windows have 'OK' and 'Close' buttons. At the bottom left, it says 'Records: 1'.

8. After saving the line will turn the green.

9. Push on the HANGAR USAGE and on the GPU USAGE to point accurate time of hangar and GPU using.

10. In the Hangar Used screen fill all fields and press OK.

11. In the Usage GPU fill all fields and press OK.



ALASKAR PLANNING MODULE 3.0.0 Menu | Help | - | □ | ×

**Plan Shift**

Station:  A/C Reg:  Date:  < >  Day  Night ☰ 🖨️

Id	A/C Reg	A/C Type	Station	Carrier	Description	EstMHR	EstD	Shift Resources	Deadline	Status	Hours	Minute	Start Time
120509	VQ-BBB	B737-800	BLL	SYL	312cfsddsfg	2	2		7.12.2020	O	0	0	08:00
120511	VQ-BBB	B737-800	DME	SYL	PERFORM WO No.: 202010-LM0001	1	1	Use Hangar	07.12.2020	O	0	0	08:00
120512	VQ-BBB	B737-800	DME	SYL	TEST	1	1	Use Gpu	07.12.2020	O	0	0	08:00

12. You can create report such as Shift Resources, GPU or HANGAR Using.