

ALASKAR Software Overview Line Maintenance

Skladochnaya str., 3/5,
Moscow, Russia, 127018
Phone: +7 (495) 689 0381
E-Mail: info@alaskartech.com
Internet Address: www.alaskartech.com

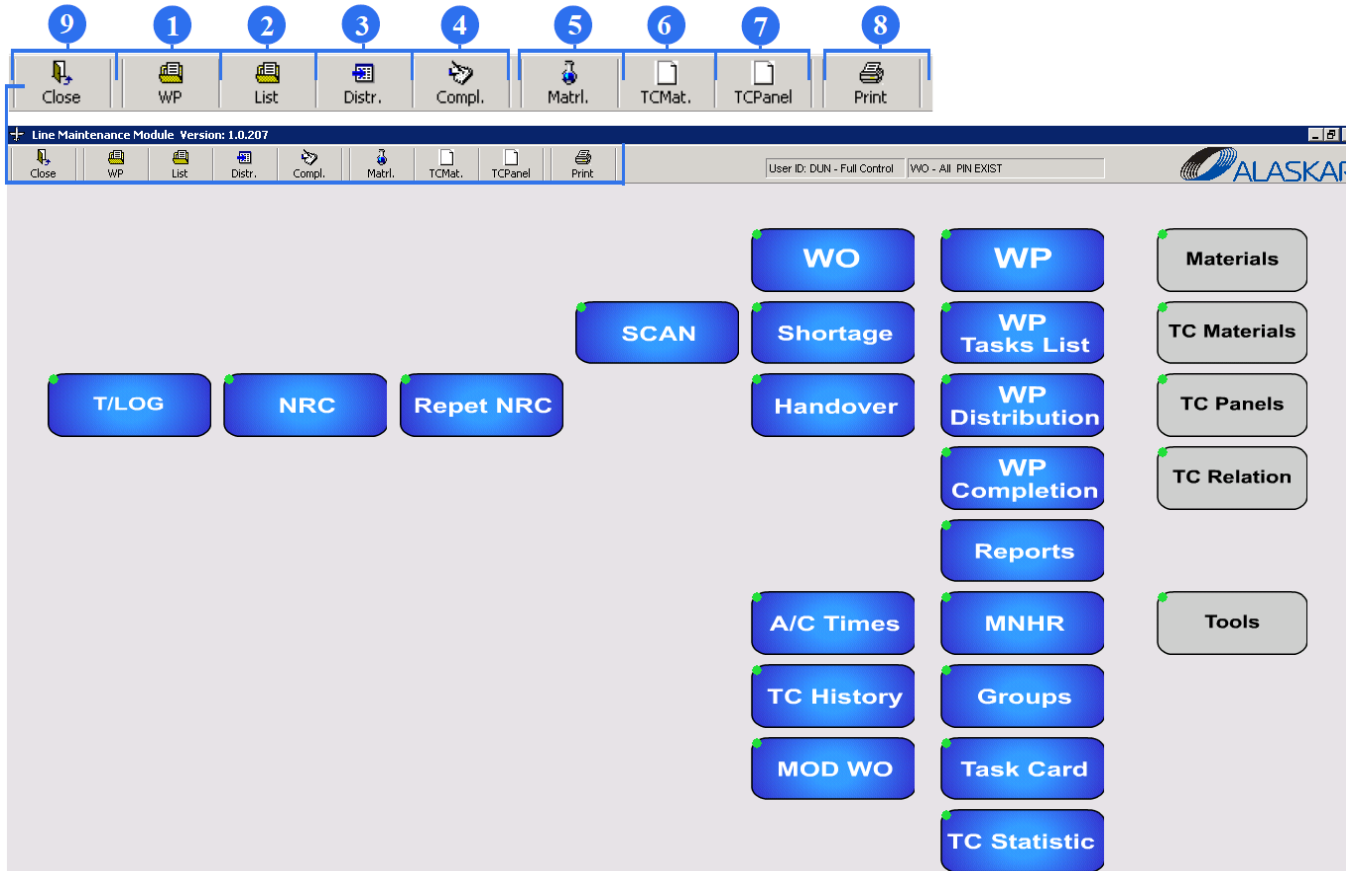
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I. Line Maintenance Overview.

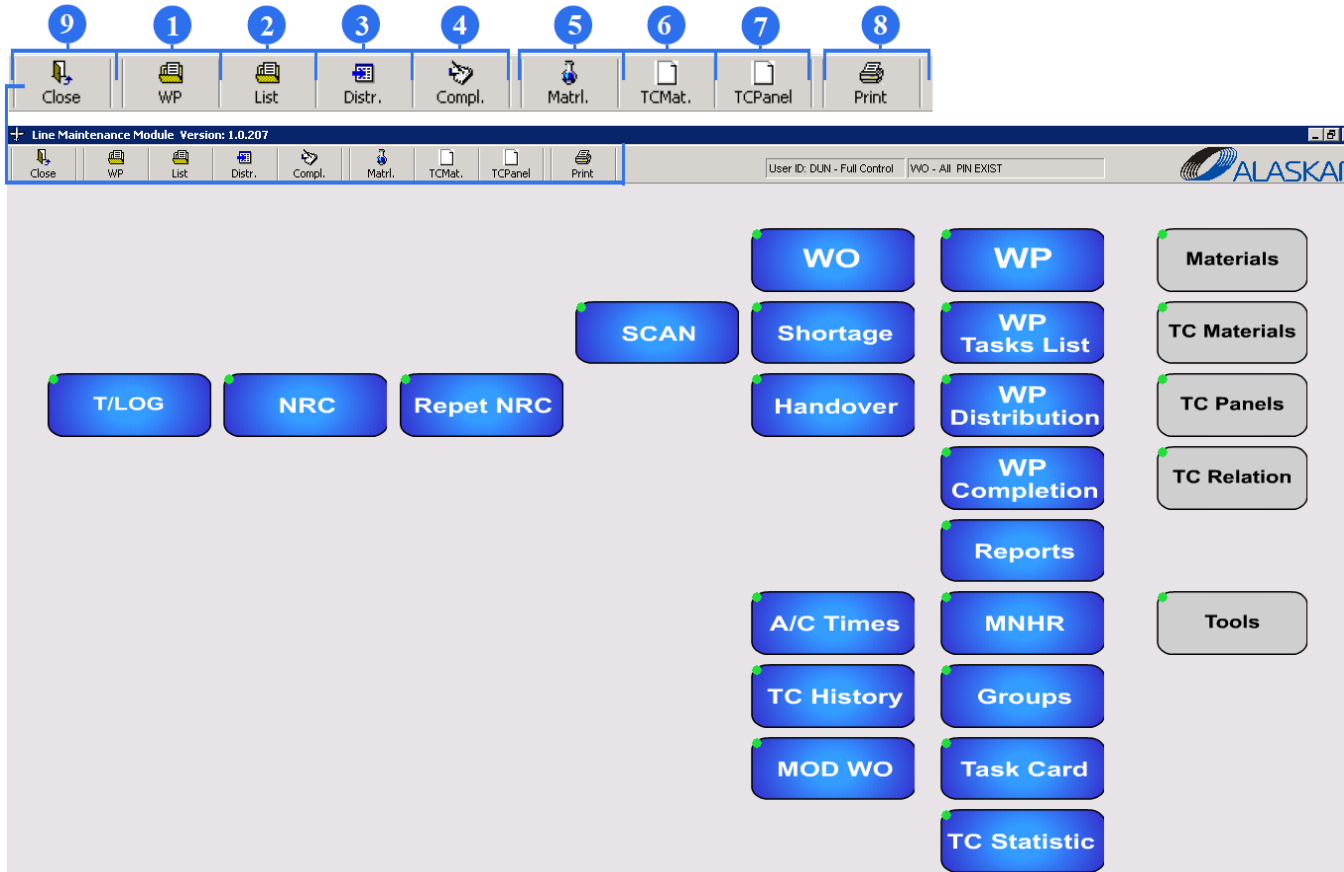


Line Maintenance Module is a simple and reliable solution with a huge number of tools helping to run technological problems.

Using Line Maintenance Module, it is possible to monitor all events concerning technical maintenance, run work packages with task cards, distribute task cards, etc.

To open a necessary sub-module, you can use the main toolbar buttons.

1. Work Package sub-module.
2. Work Package Tasks List sub-module.
3. Work Package Distribution sub-module.
4. Work Package Completion sub-module.
5. Registration of materials sub-module.



6. Task Card Materials sub-module

7. Task Card Panels sub-module

8. Reports sub-module

9. Close the screen.

II. WO – WORK ORDER

User Guidance

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1. General.

A WO – Work Order submodule is necessary to create other work orders and fill them by difference tasks. It is used basically to carry out procedures within a line maintenance. To begin to work with this submodule, you need click “WO” button on the initial list of the Line Maintenance Module List.

2. Line Work Order Registration.

The screenshot shows the 'Line Work Orders Registration' application. On the left is a table of work orders. On the right is the 'WO Editor' form. The form includes fields for 'A/C Reg', 'A/C Type', 'A/C Serial No', 'Authority', 'Customer Name', 'Customer WO Reference', 'Basic Work / Title', 'STA', 'WO Date', and 'Originator'. A 'Remarks' field is also present. The 'Activate WO' checkbox is checked. The 'A/C Reg' field is highlighted in yellow. The 'WO Editor' window title bar is also highlighted.

ID:	EAWONum:	CustWONum:	ACReg:	ACType:	AC
33075	201906-LM0001	RWQTGTQ	ADDD	NG900	sfr
33074	201807-LM0001	TEST	D-ABIR	B737-500	NA
1449	201709-LM0001	TEST	D-TEST00	B737-500	NA
1433	201302-LM0004	FTWQTWQT	D-ABIT	B737-500	UN
1432	201302-LM0003	FYRE	D-ABIU	735	NA
1429	201301-LM0001	536523	D-ABIR	B737-500	NA
1423	201111-LM0001	NA	D-ABIR	B737-500	NA
1419	201109-LM0006	TEST	D-ABIR	B737-500	NA
1415	201109-LM0002	NA	LY-STG	B737-700	29C
1414	201109-LM0001	NA	LY-STG	B737-700	29C
1420	201109-AM000	201109-AM0007	ESLBD	B737-300	25C
1412	201108-LM0004	201108-LM0004	ESLBD	B737-300	25C
1408	201108-LM0001	201108-LM0001	LYSTG	B737-700	29C
1407	201106-AM0001	201106-AM0001	LYSTG	B737-700	29C
1406	201104-LM0001	55555	ES-ABH	B737-500	29C
1405	201103-AM0001	201103-AM0001	LYSTG	B737-700	29C
1404	201101-LM0007	201101-LM0007	ESLBD	B737-300	25C
1403	201101-LM0006	201101-LM0006	ESLBD	B737-300	25C
1402	201101-LM0005	201101-LM0005	LYSTG	B737-700	29C
1401	201101-LM0004	201101-LM0004	ES-PVI	LJ-60	111
1400	201101-LM0003	NA	ES-PVI	LJ-60	111
1399	201101-LM0002	201101-LM0002	ES-PVI	LJ-60	111
1388	201101-LM0001	NA	ES-PVI	LJ-60	111
1381	201011-LM0002	NA	ES-ABH	B737-500	29C
1380	201011-LM0001	NA	ES-ABH	B737-500	29C
1378	201010-LM0002	NA	ES-LBC	B737-300	24C
1376	201010-LM0001	5799999	ES-LBC	B737-300	24C

1. To create a new WO, push “Line WO” tab on the WO Registration List screen and look at the WO Editor.

2. The WO number will be appeared automatically. It is unique number which is created by WO sub - module. The first four digits are year, the second two digits are number of month and then it is serial number.

3. Check the box “Activate WO”.

4. Select WO Department Effect onto. This list contains LINE, BASE and PAINTING. For Line WO creation it is necessary to choose LINE. Yellow field is used for additional information.

5. Select aircraft registration (“Select” field) and “A/C Reg”, “A/C Type”, “A/C Serial No”, “Authority”, “Customer Name”, “Customer WO Reference” and “Customer Contact

The screenshot shows the 'Line Work Orders Registration' application. On the left is a 'WO Registration List' table with columns: ID, EAWONum, CustWO Num, AC Reg, AC Type, and AC. The table contains 31 rows of work order data. On the right is the 'WO Editor' form for work order '201912-LM0001'. The form includes fields for 'A/C Reg', 'A/C Type', 'A/C Serial No', and 'Authority' (set to 'EASA'). There is a 'Customer' section with 'Customer Name' and 'Customer WO Reference' fields. An 'Action to be Done' section has a 'Basic Work / Title' field. At the bottom, there are fields for 'STA' (set to 'ZIA'), 'WO Date' (set to '25/12/2019'), and 'Originator'. A 'Remarks' field is at the very bottom. The top toolbar of the editor has buttons for 'Refresh', 'Add', 'Update', 'Delete', 'Close', and 'Open'. The 'Line WO' tab is selected at the top left.

Details” fields will be automatically filled. But if aircraft registration data is missing in the data base, you will manual inflate all these fields.

6. Write actions you need to carry out in this WO.

7. Select “STA”, “WO Date”, and “Originator”. WO Editor will automatically generate a today’s date. If the edit date is not today, use the calendar to select the correct date of WO creation.

8. Fill “Remarks” field if it is necessary.

9. To save new WO click on the “Add” button on the upper toolbar of editor.

10. If you want to make a change in the created WO, change enter data and click on the “Update”.

11. To remove the WO push “Delete” button.

The screenshot shows the 'Line Work Orders Registration' application. On the left is a table of work orders. On the right is the 'WO Editor' form. The form includes fields for A/C Reg, A/C Type, A/C Serial No, Authority, Customer Name, Customer Contact Details, Action to be Done (Basic Work / Title), STA, WO Date, and Originator. A 'Remarks' field is also present. The 'WO Editor' has a toolbar with buttons for Refresh, Add, Update, Delete, Close, and Open. The 'WO Registration List' has a toolbar with buttons for Close, Print, Excel, and Attach. The 'Line WO' tab is selected in the top navigation bar.

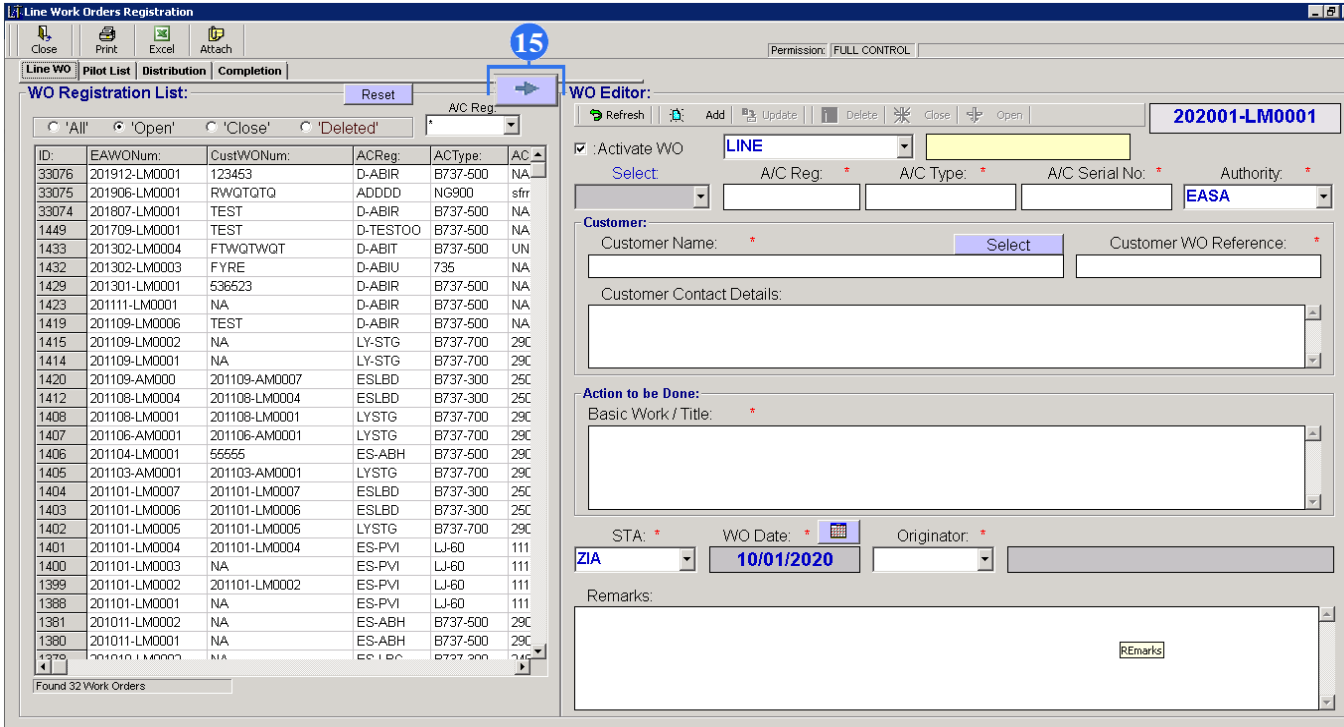
ID	EAWONum	CustWONum	ACReg	ACType	AC
33075	201906-LM0001	RWQTGTQ	ADDD	NG900	sfr
33074	201807-LM0001	TEST	D-ABIR	B737-500	NA
1449	201709-LM0001	TEST	D-TEST00	B737-500	NA
1433	201302-LM0004	FTWQTWQT	D-ABIT	B737-500	UN
1432	201302-LM0003	FYRE	D-ABIU	735	NA
1429	201301-LM0001	536523	D-ABIR	B737-500	NA
1423	201111-LM0001	NA	D-ABIR	B737-500	NA
1419	201109-LM0006	TEST	D-ABIR	B737-500	NA
1415	201109-LM0002	NA	LY-STG	B737-700	29C
1414	201109-LM0001	NA	LY-STG	B737-700	29C
1420	201109-AM000	201109-AM0007	ESLBD	B737-300	25C
1412	201108-LM0004	201108-LM0004	ESLBD	B737-300	25C
1408	201108-LM0001	201108-LM0001	LYSTG	B737-700	29C
1407	201106-AM0001	201106-AM0001	LYSTG	B737-700	29C
1406	201104-LM0001	55555	ES-ABH	B737-500	29C
1405	201103-AM0001	201103-AM0001	LYSTG	B737-700	29C
1404	201101-LM0007	201101-LM0007	ESLBD	B737-300	25C
1403	201101-LM0006	201101-LM0006	ESLBD	B737-300	25C
1402	201101-LM0005	201101-LM0005	LYSTG	B737-700	29C
1401	201101-LM0004	201101-LM0004	ES-PVI	LJ-60	111
1400	201101-LM0003	NA	ES-PVI	LJ-60	111
1399	201101-LM0002	201101-LM0002	ES-PVI	LJ-60	111
1388	201101-LM0001	NA	ES-PVI	LJ-60	111
1381	201011-LM0002	NA	ES-ABH	B737-500	29C
1380	201011-LM0001	NA	ES-ABH	B737-500	29C
1378	201010-LM0002	NA	ES-LBC	B737-300	24C
1376	201010-LM0001	5792222	ES-LBC	B737-300	24C

12. If all the WO tasks are completed, click on the “Close” to complete WO (to close WO).

13. To make any changes, you need to open a WO by clicking the OPEN button. Confirm the opening. An authentication window will be displayed. Enter your ID and password, and then click on OK. Having done this, the WO will be opened and available for any changes.

14. To ‘reset all entered data push on the “Refresh” button.

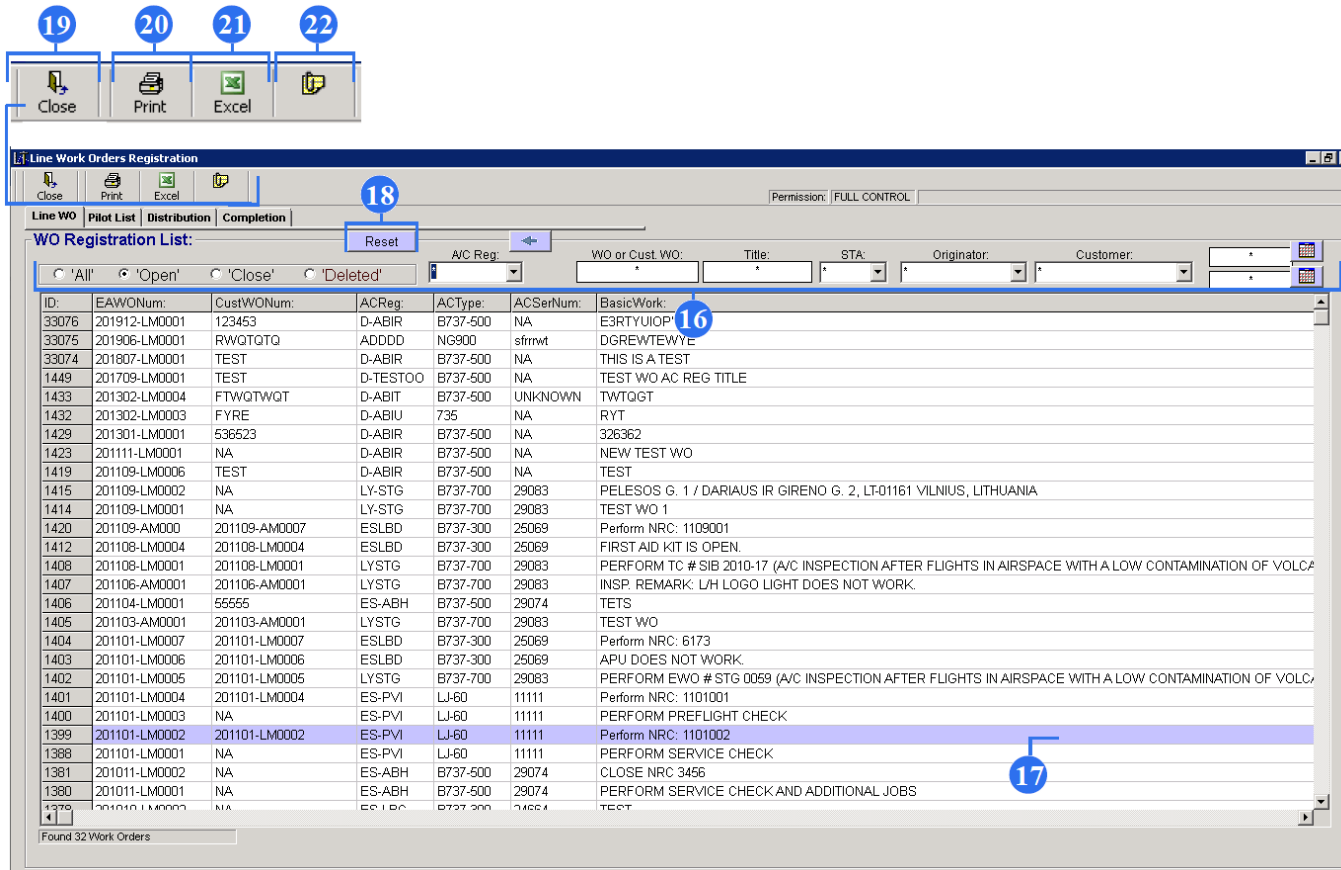
NOTE: Fields with a reference marks (*) are mandatory to fill.



The screenshot shows the 'Line Work Orders Registration' application. The 'WO Registration List' tab is selected, displaying a table of work orders. A blue box with the number '15' highlights a button with a right-pointing arrow. The 'WO Editor' tab is also visible on the right side of the interface.

ID	EAWONum	CustWONum	ACReg	ACType	AC
33076	201912-LM0001	123453	D-ABIR	B737-500	NA
33075	201906-LM0001	RWQTQTQ	ADDD	NG900	sfr
33074	201807-LM0001	TEST	D-ABIR	B737-500	NA
1449	201709-LM0001	TEST	D-TEST00	B737-500	NA
1433	201302-LM0004	FTWGTWGT	D-ABIT	B737-500	UN
1432	201302-LM0003	FYRE	D-ABIU	735	NA
1429	201301-LM0001	536523	D-ABIR	B737-500	NA
1423	201111-LM0001	NA	D-ABIR	B737-500	NA
1419	201109-LM0006	TEST	D-ABIR	B737-500	NA
1415	201109-LM0002	NA	LY-STG	B737-700	29C
1414	201109-LM0001	NA	LY-STG	B737-700	29C
1420	201109-AM000	201109-AM0007	ESLBD	B737-300	25C
1412	201108-LM0004	201108-LM0004	ESLBD	B737-300	25C
1409	201108-LM0001	201108-LM0001	LYSTG	B737-700	29C
1407	201106-AM0001	201106-AM0001	LYSTG	B737-700	29C
1406	201104-LM0001	55555	ES-ABH	B737-500	29C
1405	201103-AM0001	201103-AM0001	LYSTG	B737-700	29C
1404	201101-LM0007	201101-LM0007	ESLBD	B737-300	25C
1403	201101-LM0006	201101-LM0006	ESLBD	B737-300	25C
1402	201101-LM0005	201101-LM0005	LYSTG	B737-700	29C
1401	201101-LM0004	201101-LM0004	ES-PVI	LJ-60	111
1400	201101-LM0003	NA	ES-PVI	LJ-60	111
1399	201101-LM0002	201101-LM0002	ES-PVI	LJ-60	111
1388	201101-LM0001	NA	ES-PVI	LJ-60	111
1381	201011-LM0002	NA	ES-ABH	B737-500	29C
1380	201011-LM0001	NA	ES-ABH	B737-500	29C
1379	201011-LM0001	NA	ES-ABH	B737-300	25C

15. To extend Work Orders Registration List, click on the button with arrow. Having chosen a particular WO, you will be able to see its Tasks List/Distribution/Completion, if they were already registered. To view them, click a necessary option on the tab.



16. Use all these filters to find necessary created work order.

17. Select any line.

18. To reset all bright liners, click on the “Reset” button.

19. To close Line Work Orders Registration screen push “Close” button on the upper toolbar.

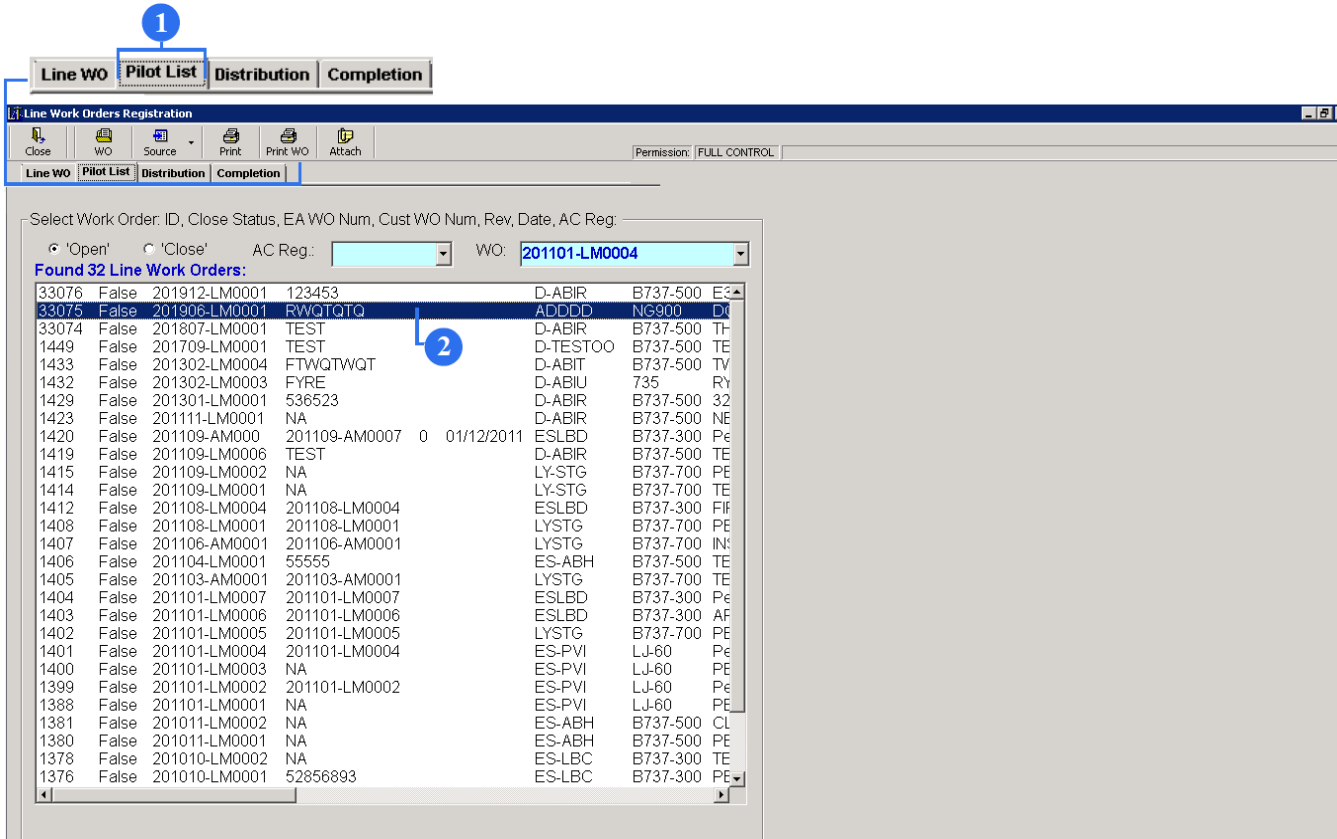
20. To print bright liner (created work order) push “Print” button on the upper toolbar.

21. To transfer created work order to excel click on the “Excel”.

22. Push this button to attach the files such as pictures, screens of different documentations.

3. Pilot list.

3.1. Tasks List/Task Cards Addition.



Select Work Order: ID, Close Status, EA WO Num, Cust WO Num, Rev, Date, AC Reg:

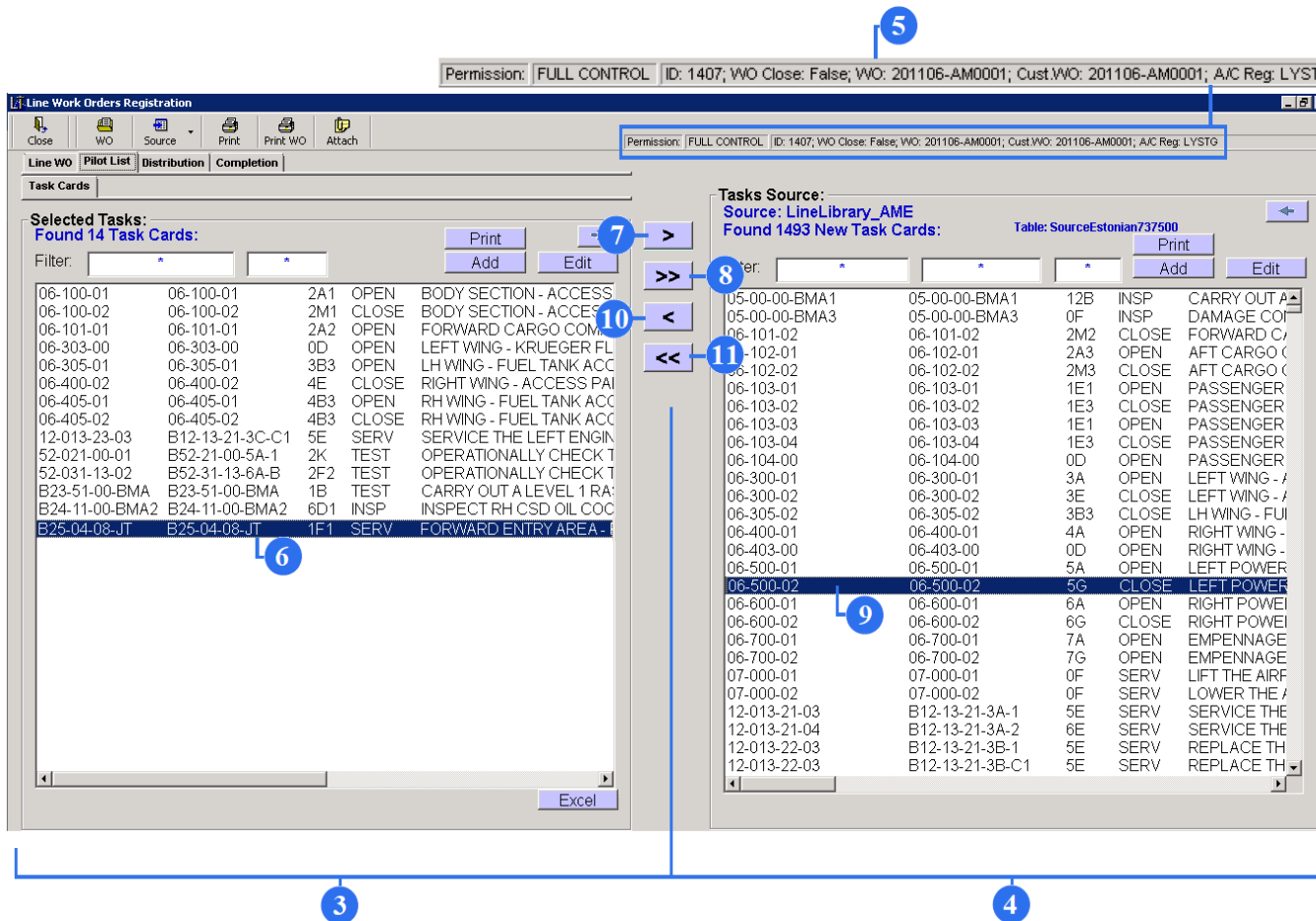
'Open' 'Close' AC Reg.: [] WO: 201101-LM0004

Found 32 Line Work Orders:

33076	False	201912-LM0001	123453	D-ABIR	B737-500	ES
33075	False	201906-LM0001	RWQTTQ	ADDD	NG900	DI
33074	False	201807-LM0001	TEST	D-ABIR	B737-500	TH
1449	False	201709-LM0001	TEST	D-TEST00	B737-500	TE
1433	False	201302-LM0004	FTWQTTWQT	D-ABIT	B737-500	TV
1432	False	201302-LM0003	FYRE	D-ABIU	735	Ry
1429	False	201301-LM0001	536523	D-ABIR	B737-500	32
1423	False	201111-LM0001	NA	D-ABIR	B737-500	NE
1420	False	201109-AM000	201109-AM0007 0 01/12/2011	ESLBD	B737-300	Pe
1419	False	201109-LM0006	TEST	D-ABIR	B737-500	TE
1415	False	201109-LM0002	NA	LY-STG	B737-700	PE
1414	False	201109-LM0001	NA	LY-STG	B737-700	TE
1412	False	201108-LM0004	201108-LM0004	ESLBD	B737-300	FIF
1408	False	201108-LM0001	201108-LM0001	LYSTG	B737-700	PE
1407	False	201106-AM0001	201106-AM0001	LYSTG	B737-700	IN:
1406	False	201104-LM0001	55555	ES-ABH	B737-500	TE
1405	False	201103-AM0001	201103-AM0001	LYSTG	B737-700	TE
1404	False	201101-LM0007	201101-LM0007	ESLBD	B737-300	Pe
1403	False	201101-LM0006	201101-LM0006	ESLBD	B737-300	AF
1402	False	201101-LM0005	201101-LM0005	LYSTG	B737-700	PE
1401	False	201101-LM0004	201101-LM0004	ES-PVI	LJ-60	Pe
1400	False	201101-LM0003	NA	ES-PVI	LJ-60	PE
1399	False	201101-LM0002	201101-LM0002	ES-PVI	LJ-60	Pe
1388	False	201101-LM0001	NA	ES-PVI	LJ-60	PE
1381	False	201011-LM0002	NA	ES-ABH	B737-500	CL
1380	False	201011-LM0001	NA	ES-ABH	B737-500	PE
1378	False	201010-LM0002	NA	ES-LBC	B737-300	TE
1376	False	201010-LM0001	52856893	ES-LBC	B737-300	PE

1. Select a Tasks List on the Line WO/Task List/Distribution/Completion tab.

2. Highlight a necessary WO and double click it. To return to a WO list, click on WO.



3. Emerged screen provides a particular set of tasks, which are listed in Task Cards.
4. The screen shows a Tasks Source which is used for easy tasks selection.
5. Status Bar.
6. To transfer a task from Task Cards to a Tasks Source, highlight the task at first.
7. Then click on the button with one check mark to transfer one task to a Task Source (the task will be transferred, not copied).
8. To transfer all the tasks from Task Cards to a Task Source, click on the button with two check marks.
9. To transfer a task from a Task Source to Task Cards, highlight the task at first.
10. Then click on the button with one check mark to transfer one task to Task Cards (the task will be transferred, not copied).
11. To transfer all the tasks from a Task Source to Task Cards, click on the button with two check marks.

Line WO Pilot List Distribution Completion

Task Cards **13**

Line Work Orders Registration

Close WO Source Print Print WO Attach

Permission: FULL CONTROL ID: 1407; WO Close: False; WO: 201106-AM0001; Cust.WO: 201106-AM0001; A/C Reg: LYSTG

Line WO Pilot List Distribution Completion

Task Cards

15

Selected Tasks:
Found 13 Task Cards:

Filter: * *

Print Add Edit

06-100-02	06-100-02	2M1	CLOSE	BODY SECTION - ACCESS
06-101-01	06-101-01	2A2	OPEN	FORWARD CARGO COMP
06-103-02	06-103-02	1E3	CLOSE	PASSENGER CABIN FLOO
06-300-02	06-300-02	3E	CLOSE	LEFT WING - ACCESS PAN
06-303-00	06-303-00	0D	OPEN	LEFT WING - KRUEGER FL
06-305-01	06-305-01	3B3	OPEN	LH WING - FUEL TANK ACC
06-405-01	06-405-01	4B3	OPEN	RH WING - FUEL TANK ACC
06-405-02	06-405-02	4B3	CLOSE	RH WING - FUEL TANK ACC
12-013-23-03	B12-13-21-3C-C1	5E	SERV	SERVICE THE LEFT ENGIN
52-021-00-01	B52-21-00-5A-1	2K	TEST	OPERATIONALLY CHECK T
52-031-13-02	B52-31-13-6A-B	2F2	TEST	OPERATIONALLY CHECK T
B23-51-00-BMA	B23-51-00-BMA	1B	TEST	CARRY OUT A LEVEL 1 RA
B24-11-00-BMA2	B24-11-00-BMA2	6D1	INSP	INSPECT RH CSD OIL COC

Print Add Edit

14

Excel

Tasks Source:

Source: LineLibrary_AME

Found 1494 New Task Cards:

Table: SourceEstonian737500

Filter: * * *

Print Add Edit

05-00-00-BMA1	05-00-00-BMA1	12B	INSP	CARRY OUT A
05-00-00-BMA3	05-00-00-BMA3	0F	INSP	DAMAGE COI
06-100-01	06-100-01	2A1	OPEN	BODY SECTIC
06-101-02	06-101-02	2M2	CLOSE	FORWARD C
06-102-01	06-102-01	2A3	OPEN	AFT CARGO C
06-102-02	06-102-02	2M3	CLOSE	AFT CARGO C
06-103-01	06-103-01	1E1	OPEN	PASSENGER
06-103-03	06-103-03	1E1	OPEN	PASSENGER
06-103-04	06-103-04	1E3	CLOSE	PASSENGER
06-104-00	06-104-00	0D	OPEN	PASSENGER
06-300-01	06-300-01	3A	OPEN	LEFT WING - /
06-305-02	06-305-02	3B3	CLOSE	LH WING - FUI
06-400-01	06-400-01	4A	OPEN	RIGHT WING -
06-400-02	06-400-02	4E	CLOSE	RIGHT WING -
06-403-00	06-403-00	0D	OPEN	RIGHT WING -
06-500-01	06-500-01	5A	OPEN	LEFT POWER
06-500-02	06-500-02	5G	CLOSE	LEFT POWER
06-600-01	06-600-01	6A	OPEN	RIGHT POWER
06-600-02	06-600-02	6G	CLOSE	RIGHT POWER
06-700-01	06-700-01	7A	OPEN	EMPENNAGE
06-700-02	06-700-02	7G	OPEN	EMPENNAGE
07-000-01	07-000-01	0F	SERV	LIFT THE AIRF
07-000-02	07-000-02	0F	SERV	LOWER THE /
12-013-21-03	B12-13-21-3A-1	5E	SERV	SERVICE THE
12-013-21-04	B12-13-21-3A-2	6E	SERV	SERVICE THE
12-013-22-03	B12-13-21-3B-1	5E	SERV	REPLACE TH
12-013-22-03	B12-13-21-3B-C1	5E	SERV	REPLACE TH

12

16

12. You may use FILTER to find a certain task. Type a task number in the Id field and then click the ENTER button.

13. If you want to return to the whole tasks list, click on a Task Cards tab.

14. You may open Task Cards in MS Excel format by pressing the EXCEL button.

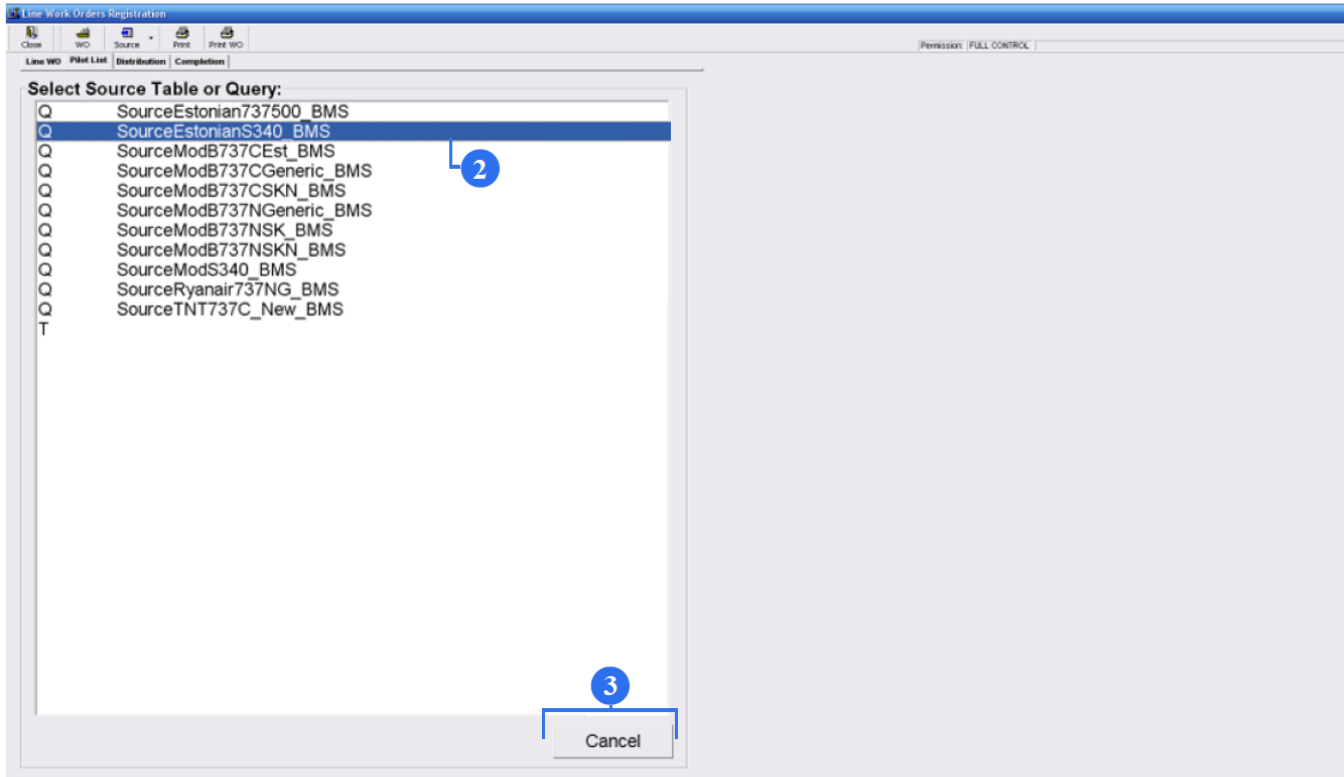
15. If you want to extend a Task Cards screen, click on the button with the right direction arrow.

16. If you want to extend a Tasks Source screen, click on the button with the left direction arrow.

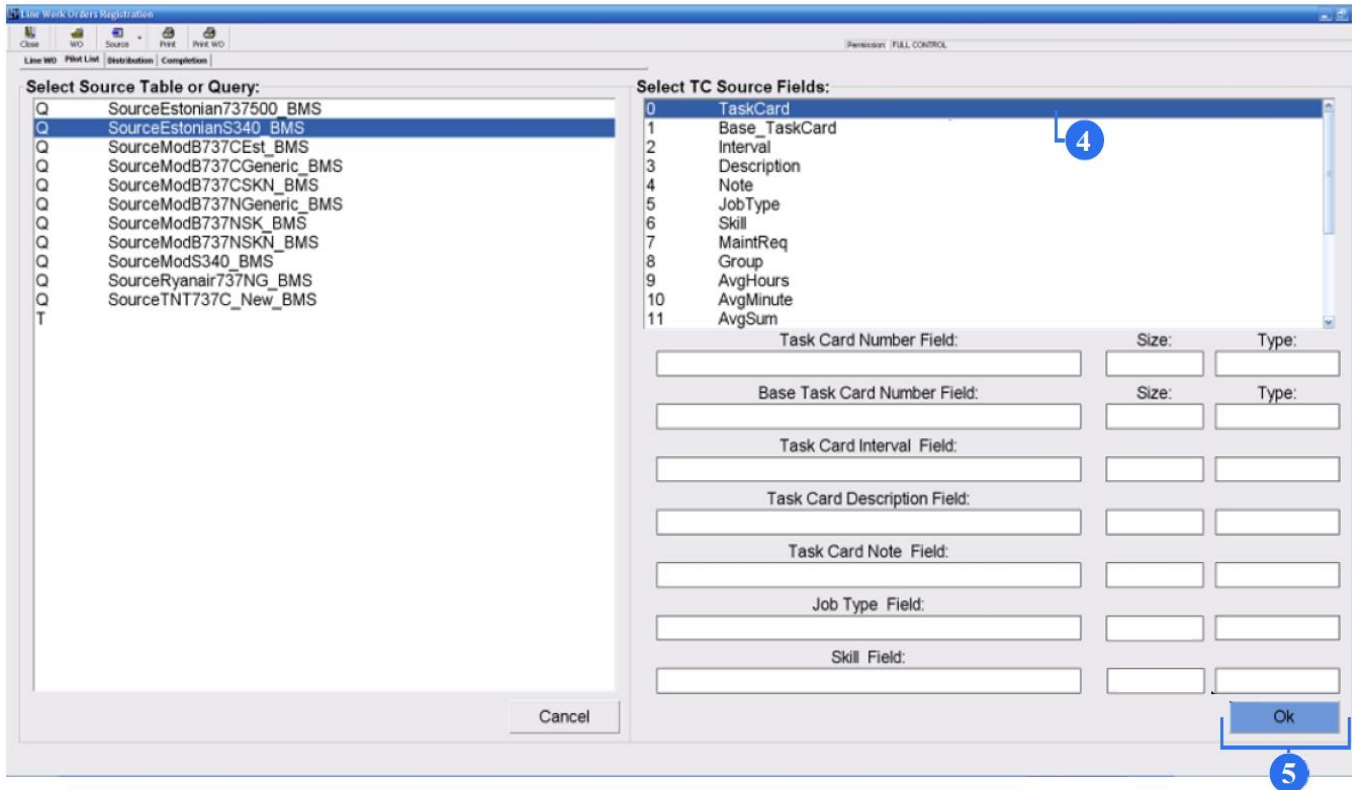
3.2. Task Cards Source Selection/Creation.

The screenshot shows the 'Line Work Orders Registration' application window. At the top, there is a menu bar with options: Close, WO, Source, Print, Print WO, and Attach. Below this is a sub-menu with 'Line WO', 'Pilot List', and 'Select Source Table'. The 'Select Source Table' option is highlighted with a blue circle containing the number '1'. Below the menu bar, there are two main panels. The left panel is titled 'Task Cards' and shows a list of 'Selected Tasks' with columns for task ID, status, and description. The right panel is titled 'Tasks Source' and shows a list of tasks from a specific source, also with columns for task ID, status, and description. Both panels have filter fields and 'Add' and 'Edit' buttons. An 'Excel' button is located at the bottom right of the 'Selected Tasks' panel.

1. Click on Source button menu and choose action «Select Source Table».



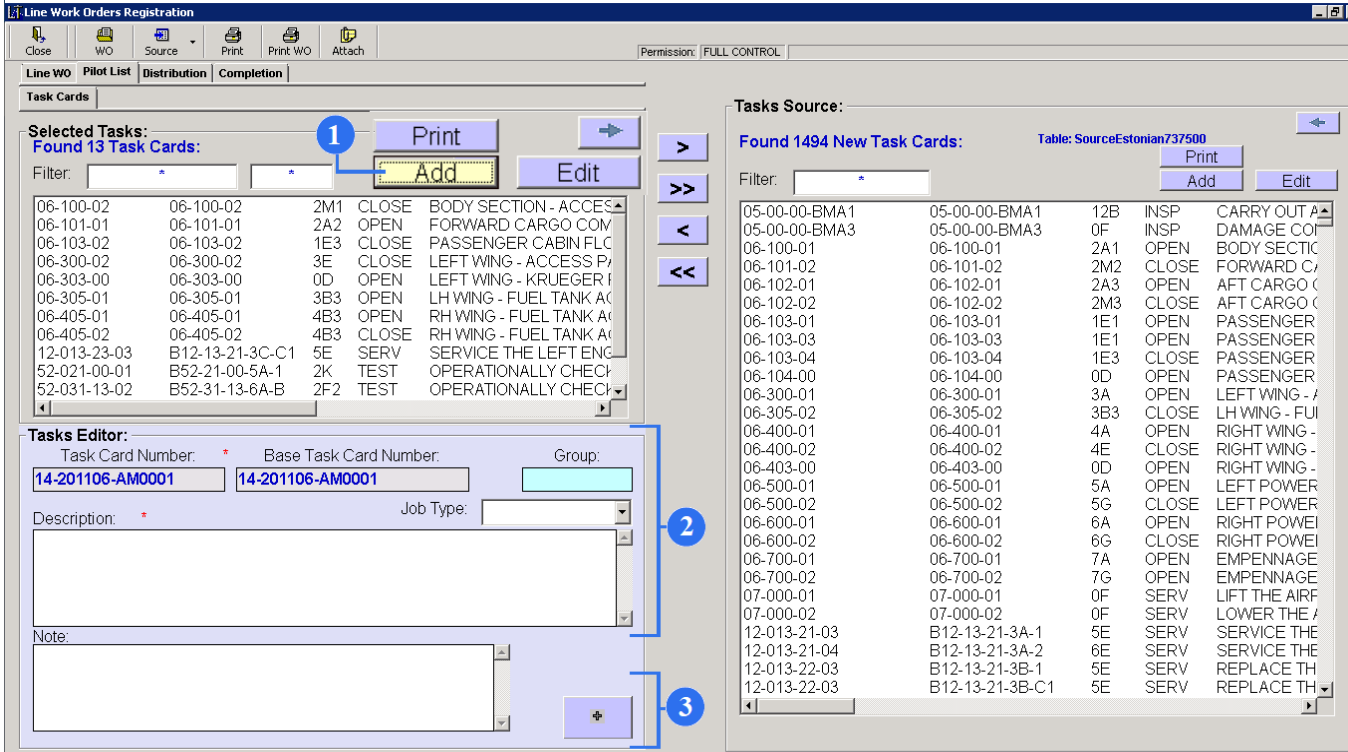
2. Choose a Tasks Source in a Select Source Table, highlight it and double click it.
3. Press the cancel button to exit a Select Source Table.



4. After clicking on a selected Task Source, a Select TC Source Field screen appears on the right side of the Line Work Order Registration Screen. Click on TC Source fields one by one to select appropriate fields.

5. Press OK to cancel.

3.3. Task Cards Addition and Update



The screenshot shows the 'Line Work Orders Registration' application window. It features a menu bar with 'Close', 'WO', 'Source', 'Print', 'Print WO', and 'Attach'. Below the menu is a 'Task Cards' section with a 'Selected Tasks' list and an 'Add' button. A 'Tasks Editor' is open at the bottom, with fields for 'Task Card Number', 'Base Task Card Number', 'Group', 'Description', and 'Note'. A 'Tasks Source' table is also visible on the right side of the window.

1 points to the 'Add' button in the 'Selected Tasks' section.

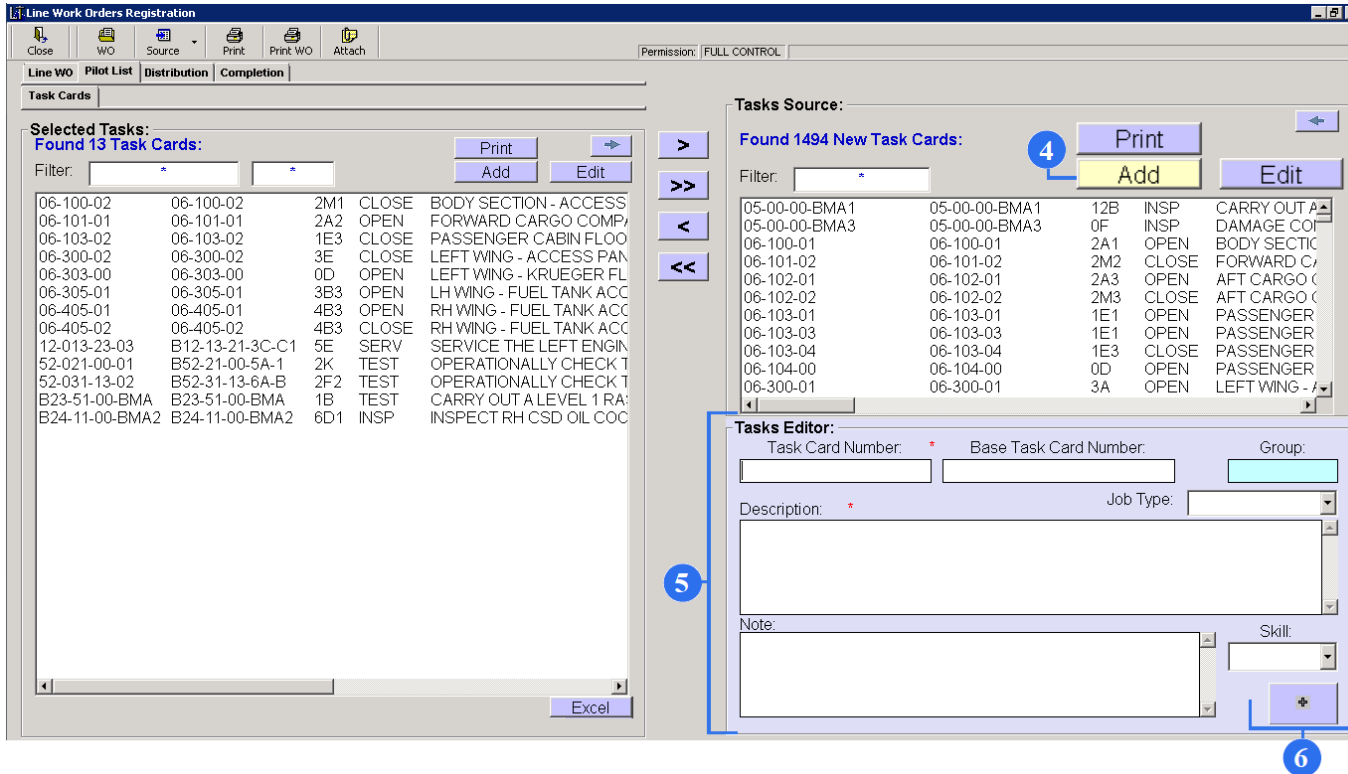
2 points to the 'Description' field in the 'Tasks Editor'.

3 points to the '+' button in the 'Tasks Editor'.

Tasks Source:
Found 1494 New Task Cards: Table: SourceEstonian737500

Filter:	Print	Add	Edit	
05-00-00-BMA1	05-00-00-BMA1	12B	INSP	CARRY OUT A
05-00-00-BMA3	05-00-00-BMA3	0F	INSP	DAMAGE COF
06-100-01	06-100-01	2A1	OPEN	BODY SECTIC
06-101-02	06-101-02	2M2	CLOSE	FORWARD C/
06-102-01	06-102-01	2A3	OPEN	AFT CARGO C
06-102-02	06-102-02	2M3	CLOSE	AFT CARGO C
06-103-01	06-103-01	1E1	OPEN	PASSENGER
06-103-03	06-103-03	1E1	OPEN	PASSENGER
06-103-04	06-103-04	1E3	CLOSE	PASSENGER
06-104-00	06-104-00	0D	OPEN	PASSENGER
06-300-01	06-300-01	3A	OPEN	LEFT WING - /
06-305-02	06-305-02	3B3	CLOSE	LH WING - FUI
06-400-01	06-400-01	4A	OPEN	RIGHT WING -
06-400-02	06-400-02	4E	CLOSE	RIGHT WING -
06-403-00	06-403-00	0D	OPEN	RIGHT WING -
06-500-01	06-500-01	5A	OPEN	LEFT POWER
06-500-02	06-500-02	5G	CLOSE	LEFT POWER
06-600-01	06-600-01	6A	OPEN	RIGHT POWEI
06-600-02	06-600-02	6G	CLOSE	RIGHT POWEI
06-700-01	06-700-01	7A	OPEN	EMPENNAGE
06-700-02	06-700-02	7G	OPEN	EMPENNAGE
07-000-01	07-000-01	0F	SERV	LIFT THE AIRF
07-000-02	07-000-02	0F	SERV	LOWER THE /
12-013-21-03	B12-13-21-3A-1	5E	SERV	SERVICE THE
12-013-21-04	B12-13-21-3A-2	6E	SERV	SERVICE THE
12-013-22-03	B12-13-21-3B-1	5E	SERV	REPLACE TH
12-013-22-03	B12-13-21-3B-C1	5E	SERV	REPLACE TH

1. To add a new task card into Task Cards, click on the ADD button.
2. Fill the text boxes in a Tasks Editor.
3. Click on the button with plus sign (the Add Record button) to confirm an addition. Or press again the ADD button to reset the Editor.



4. To add a new task card in a Tasks Source, click on the ADD button.

5. Fill the work boxes in a Tasks Editor.

6. Click on the button with plus sign (the Add Record button) to confirm an addition. Or press the ADD button again to reset the Editor.

Line Work Orders Registration

Close WO Source Print Print WO Attach

Permission: FULL CONTROL

Line WO Pilot List Distribution Completion

Task Cards

Selected Tasks:
Found 13 Task Cards:

Print **7**

Add Edit

06-100-02	06-100-02	2M1	CLOSE	BODY SECTION - ACCESS
06-101-01	06-101-01	2A2	OPEN	FORWARD CARGO COM
06-103-02	06-103-02	1E3	CLOSE	PASSENGER CABIN FLO
06-300-02	06-300-02	3E	CLOSE	LEFT WING - ACCESS P
06-303-00	06-303-00	0D	OPEN	LEFT WING - KRUEGER F
06-305-01	06-305-01	3B3	OPEN	LH WING - FUEL TANK A
06-405-01	06-405-01	4B3	OPEN	RH WING - FUEL TANK A
06-405-02	06-405-02	4B3	CLOSE	RH WING - FUEL TANK A
12-013-23-03	B12-13-21-3C-C1	5E	SERV	SERVICE THE LEFT EN
52-021-00-01	B52-21-00-5A-1	2K	TEST	OPERATIONALLY CHECK
52-031-13-02	B52-31-13-6A-B	2F2	TEST	OPERATIONALLY CHECK

Tasks Editor:

Task Card Number: 06-103-02 Base Task Card Number: 06-103-02 Group: 1E3

Description: PASSENGER CABIN FLOORS - BS663 TO BS727 - CLOSE **8**

Note:

Save **9**

Tasks Source:

Found 1494 New Task Cards: Table: SourceEstonian737500

Filter:

Print Add Edit

05-00-00-BMA1	05-00-00-BMA1	12B	INSP	CARRY OUT A
05-00-00-BMA3	05-00-00-BMA3	0F	INSP	DAMAGE COI
06-100-01	06-100-01	2A1	OPEN	BODY SECTIC
06-101-02	06-101-02	2M2	CLOSE	FORWARD C
06-102-01	06-102-01	2A3	OPEN	AFT CARGO C
06-102-02	06-102-02	2M3	CLOSE	AFT CARGO C
06-103-01	06-103-01	1E1	OPEN	PASSENGER
06-103-03	06-103-03	1E1	OPEN	PASSENGER
06-103-04	06-103-04	1E3	CLOSE	PASSENGER
06-104-00	06-104-00	0D	OPEN	PASSENGER
06-300-01	06-300-01	3A	OPEN	LEFT WING - A
06-305-02	06-305-02	3B3	CLOSE	LH WING - FUI
06-400-01	06-400-01	4A	OPEN	RIGHT WING -
06-400-02	06-400-02	4E	CLOSE	RIGHT WING -
06-403-00	06-403-00	0D	OPEN	RIGHT WING -
06-500-01	06-500-01	5A	OPEN	LEFT POWER
06-500-02	06-500-02	5G	CLOSE	LEFT POWER
06-600-01	06-600-01	6A	OPEN	RIGHT POWEI
06-600-02	06-600-02	6G	CLOSE	RIGHT POWEI
06-700-01	06-700-01	7A	OPEN	EMPENNAGE
06-700-02	06-700-02	7G	OPEN	EMPENNAGE
07-000-01	07-000-01	0F	SERV	LIFT THE AIRF
07-000-02	07-000-02	0F	SERV	LOWER THE A
12-013-21-03	B12-13-21-3A-1	5E	SERV	SERVICE THE
12-013-21-04	B12-13-21-3A-2	6E	SERV	SERVICE THE
12-013-22-03	B12-13-21-3B-1	5E	SERV	REPLACE TH
12-013-22-03	B12-13-21-3B-C1	5E	SERV	REPLACE TH

7. To update a task card in Task Cards, click on the EDIT button.
8. Fill the text boxes.
9. Update current record by pressing button with discette or click on the EDIT button again to reset the Editor.

The screenshot displays the 'Line Work Orders Registration' application. It features a menu bar with options like 'Close', 'WO', 'Source', 'Print', 'Print WO', and 'Attach'. Below the menu, there are tabs for 'Line WO', 'Pilot List', 'Distribution', and 'Completion'. The main area is divided into two panes: 'Selected Tasks' and 'Tasks Source'. The 'Selected Tasks' pane shows a list of tasks with columns for task ID, description, and status. The 'Tasks Source' pane shows a larger list of tasks with columns for task ID, description, and status. A 'Tasks Editor' dialog box is open in the foreground, allowing for editing of a specific task card. The editor includes fields for 'Task Card Number', 'Base Task Card Number', 'Group', 'Description', 'Job Type', 'Note', and 'Skill'. The 'Description' field is highlighted with a blue box, and the 'Skill' dropdown is set to 'MECH'. A blue box highlights the 'Excel' button at the bottom right of the editor.

10. To update a task card in a Tasks Source, click on the EDIT button.

11. Fill the text boxes and make changes.

12. Update current record by pressing button with a discette or click on the EDIT button again to reset the Editor.

3.4. Task Cards Printout.

The screenshot shows the 'Line Work Orders Registration' application window. It is divided into two main sections: 'Task Cards' on the left and 'Tasks Source' on the right. Both sections have a 'Print' button. Red callouts with numbers 1 through 4 indicate the steps for printing task cards.

Task Cards Panel:

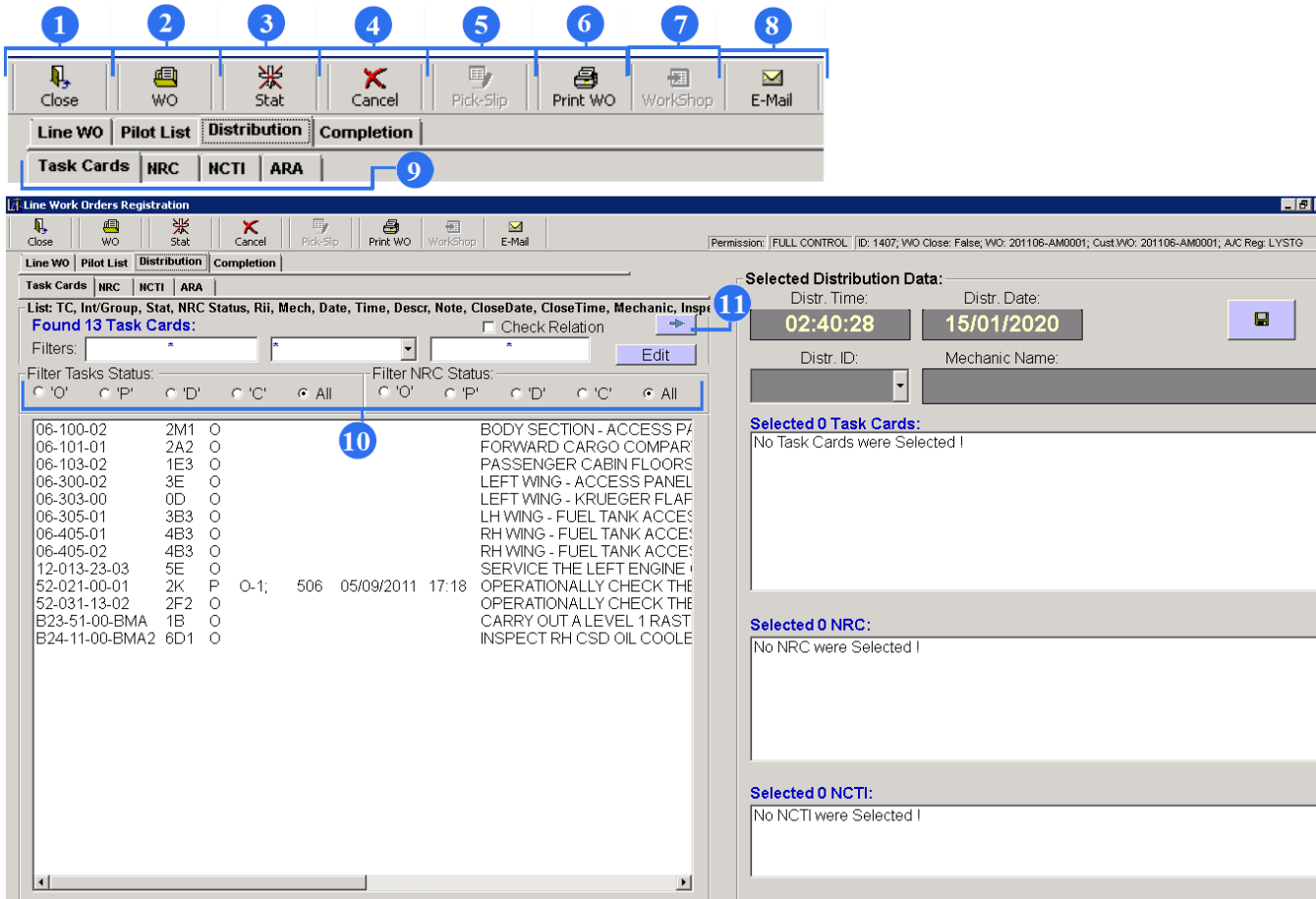
- Callout 1 points to the first row of the task card list: 06-103-02, 06-103-02, 1E3, CLOSE, PASSENGER CABIN FLOO.
- Callout 2 points to the 'Print' button above the 'Add' and 'Edit' buttons.

Tasks Source Panel:

- Callout 3 points to the first row of the task source list: 06-101-02, 06-101-02, 2M2, CLOSE, FORWARD C.
- Callout 4 points to the 'Print' button above the 'Add' and 'Edit' buttons.

- 1 To print out a task card from Task Cards, highlight this task card at first.
2. Then click the PRINT button.
3. To print out a task card cover sheet from a Tasks Source, highlight this task card.
4. Then click the PRINT button.

4. Distribution Overview



The screenshot shows the 'Line Work Orders Registration' application window. At the top, there is a toolbar with icons for Close, WO, Stat, Cancel, Pick-Slip, Print WO, Workshop, and E-Mail. Below the toolbar are tabs for Line WO, Pilot List, Distribution, and Completion. Under the Distribution tab, there are sub-tabs for Task Cards, NRC, NCTI, and ARA. The main area displays a list of task cards with columns for ID, Int/Group, Stat, NRC Status, Rii, Mech, Date, Time, Descr, Note, CloseDate, CloseTime, and Mechanic. A table of 13 task cards is visible, including items like '06-100-02 2M1 O BODY SECTION - ACCESS P/' and '52-021-00-01 2K P O-1; 506 05/09/2011 17:18 OPERATIONALLY CHECK THE'. On the right side, there are sections for 'Selected Distribution Data' (showing Distr. Time: 02:40:28 and Distr. Date: 15/01/2020), 'Selected 0 Task Cards', 'Selected 0 NRC', and 'Selected 0 NCTI'. A filter section at the bottom left allows filtering by status (O, P, D, C, All).

Toolbar:

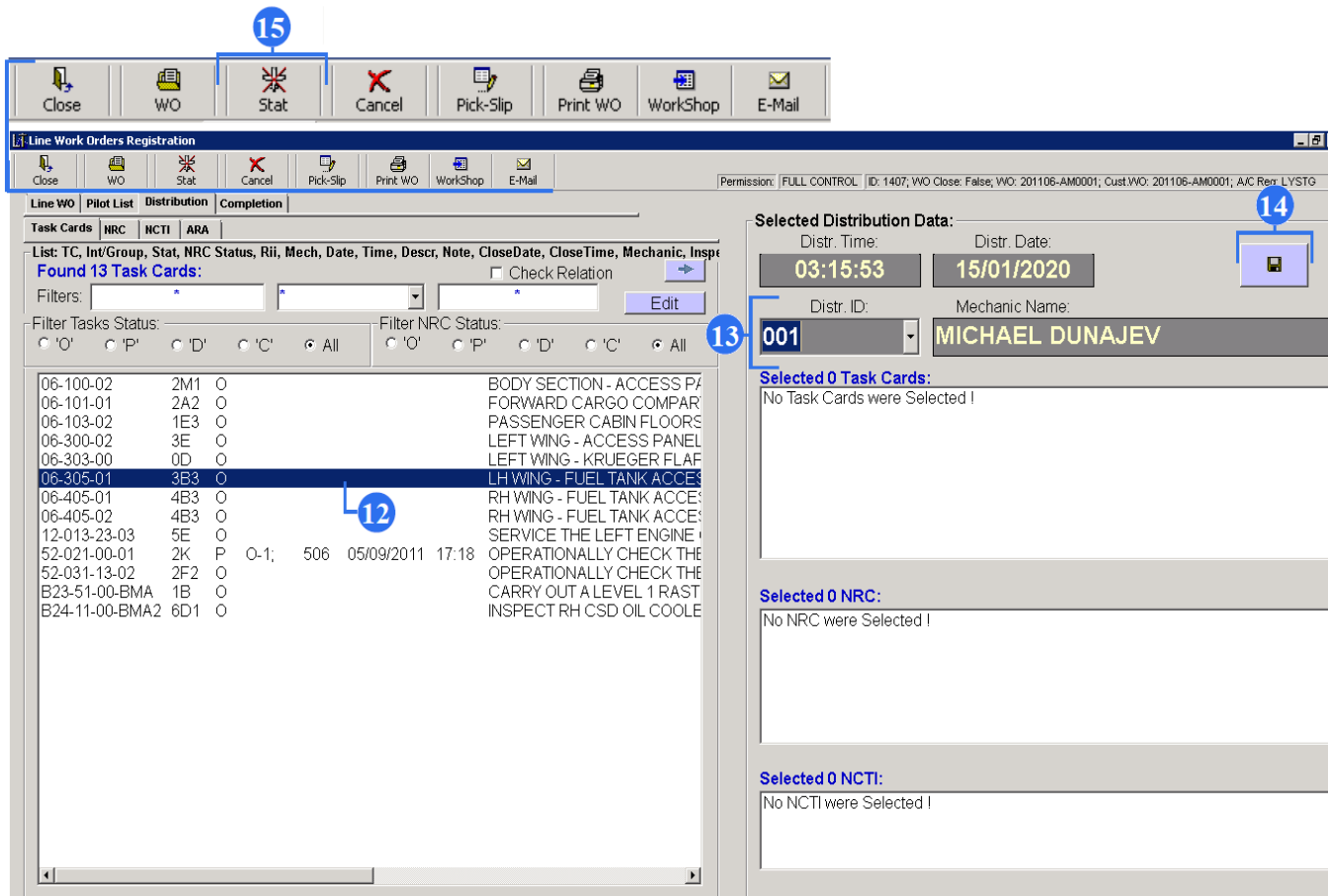
1. Close (the screen)
2. WO (Work Order selection)
3. Status change (open/close/ in process)
4. Task cancelation
5. Pick-slip (print out tasks)
6. Print WO
7. Workshop
8. E-Mail

9. Task Cards/Non-Routine Cards/ Non-Completed Tasks Items/ARA tab. Use this tab to choose a necessary item.

10. Filter:

- Id number filter
- Tasks Status Filter:
 - ✓ O (open)
 - ✓ P (in process)
 - ✓ D (deferred)
 - ✓ C (canceled)
 - ✓ All

11. To extend a Task Cards/Non-Routine Cards/ Non-Completed Tasks Items/ARA window, click on the button with right arrow.



15

Close WO Stat Cancel Pick-Slip Print WO Workshop E-Mail

Line Work Orders Registration

Close WO Stat Cancel Pick-Slip Print WO Workshop E-Mail

Permission: FULL CONTROL ID: 1407; WO Close: False; WO: 201106-AM0001; Cust.WO: 201106-AM0001; A/C Ref: LYSTG

Line WO Pilot List Distribution Completion

Task Cards NRC NCTI ARA

List: TC, Int/Group, Stat, NRC Status, Rii, Mech, Date, Time, Descr, Note, CloseDate, CloseTime, Mechanic, Insp

Found 13 Task Cards: Check Relation Edit

Filters:

Filter Tasks Status: 'O' 'P' 'D' 'C' All

Filter NRC Status: 'O' 'P' 'D' 'C' All

06-100-02	2M1	O					BODY SECTION - ACCESS PA
06-101-01	2A2	O					FORWARD CARGO COMPAR
06-103-02	1E3	O					PASSENGER CABIN FLOORS
06-300-02	3E	O					LEFT WING - ACCESS PANEL
06-303-00	0D	O					LEFT WING - KRUEGER FLAP
06-305-01	3B3	O					LH WING - FUEL TANK ACCE
06-405-01	4B3	O					RH WING - FUEL TANK ACCE
06-405-02	4B3	O					RH WING - FUEL TANK ACCE
12-013-23-03	5E	O					SERVICE THE LEFT ENGINE
52-021-00-01	2K	P	O-1;	506	05/09/2011	17:18	OPERATIONALLY CHECK THE
52-031-13-02	2F2	O					OPERATIONALLY CHECK THE
B23-51-00-BMA	1B	O					CARRY OUT A LEVEL 1 RAST
B24-11-00-BMA2	6D1	O					INSPECT RH CSD OIL COOLE

12

Selected Distribution Data:

Distr. Time: 03:15:53 Distr. Date: 15/01/2020

Distr. ID: 001 Mechanic Name: MICHAEL DUNAJEV

14

Selected 0 Task Cards:

No Task Cards were Selected

Selected 0 NRC:

No NRC were Selected

Selected 0 NCTI:

No NCTI were Selected

13

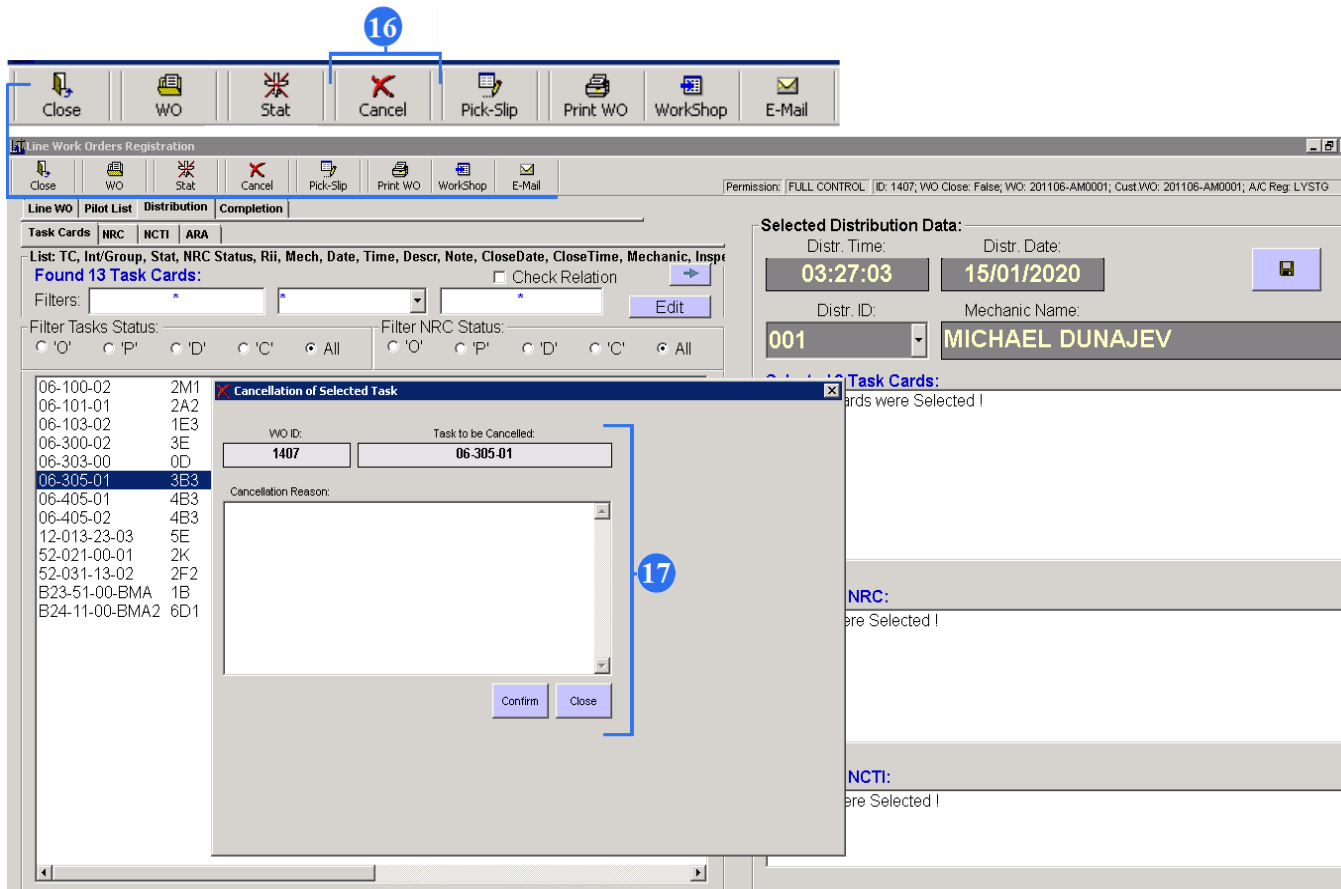
12. To distribute TC/ NRC/NCTI to a mechanic, double click a task, and then this task will be displayed on Selected Distribution Data screen.

13. To appoint a particular mechanic on this task, choose mechanic's id.

14. Save it by clicking button with discette. After the confirmation a task status will be changed from 'O' (open) to 'P' (in progress).

15. To open a task in progress, click on the STATUS button and confirm it.

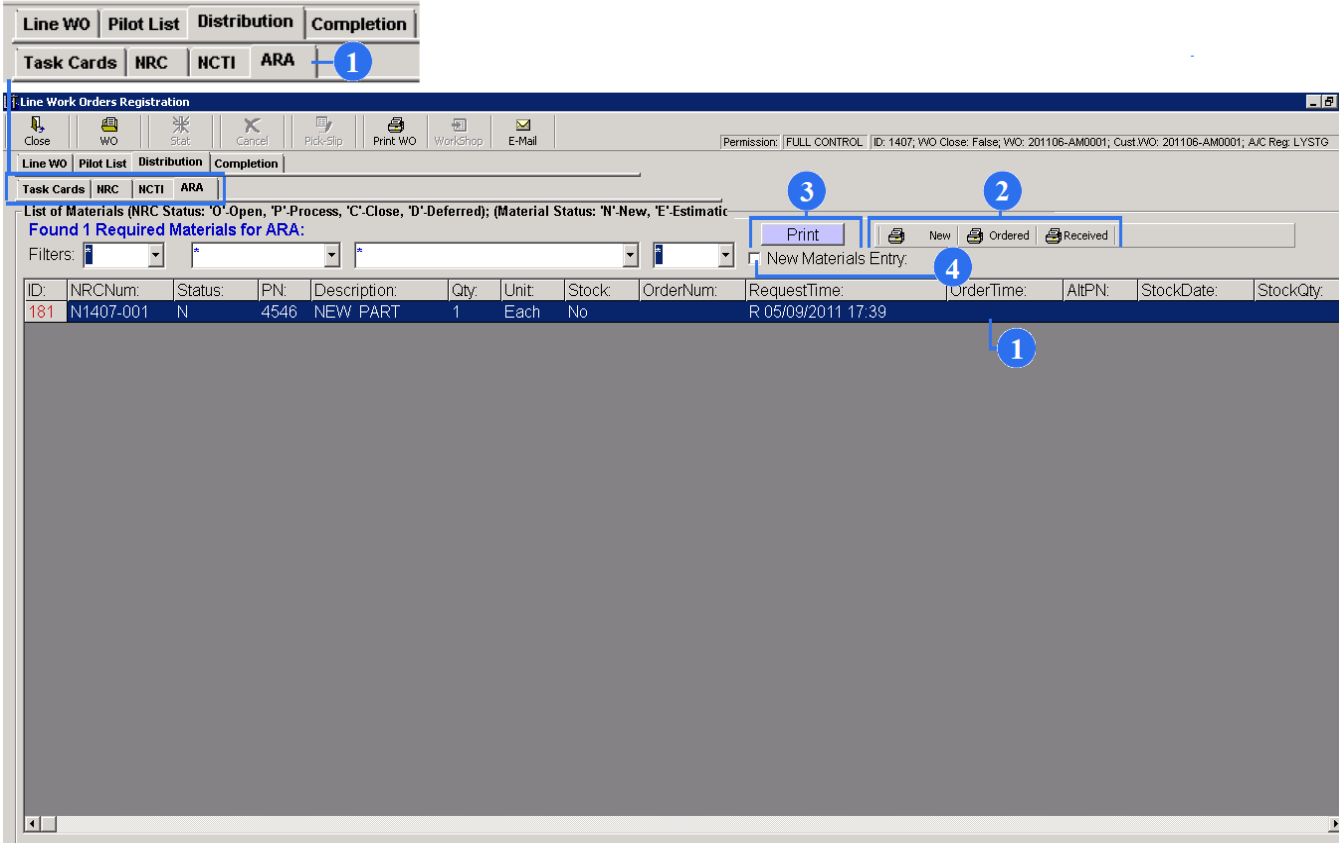
Or, if you wrongly closed a task, click on the STATUS button and the task will be in process.



16. You may cancel an opened task, if it is reasonably needed. For doing this, highlight an opened task, then click on the CANCEL button.

17. In the Cancellation Window enter a WO number and cancellation reasons. Click on "Confirm" to save it.

4.1. ARA (Additional Repair Agreement) Materials List



The screenshot shows the 'Line Work Orders Registration' window. At the top, there are tabs for 'Line WO', 'Pilot List', 'Distribution', and 'Completion'. Below these are sub-tabs for 'Task Cards', 'MRC', 'NCTI', and 'ARA', with 'ARA' selected and highlighted with a blue circle and the number 1. The main window title is 'Line Work Orders Registration'. Below the title bar is a toolbar with icons for 'Close', 'WO', 'Stat', 'Cancel', 'Pick-Slip', 'Print WO', 'WorkShop', and 'E-Mail'. Below the toolbar is another set of tabs: 'Line WO', 'Pilot List', 'Distribution', and 'Completion'. Below these are sub-tabs for 'Task Cards', 'MRC', 'NCTI', and 'ARA'. Below the sub-tabs is a text area containing the text: 'List of Materials (NRC Status: 'O'-Open, 'P'-Process, 'C'-Close, 'D'-Deferred); (Material Status: 'N'-New, 'E'-Estimate) Found 1 Required Materials for ARA:'. Below this text are filter fields. Below the filter fields is a 'New Materials Entry' checkbox, which is checked and highlighted with a blue circle and the number 4. To the right of the checkbox is a 'Print' button, highlighted with a blue circle and the number 3. To the right of the 'Print' button are three buttons: 'New', 'Ordered', and 'Received', with 'New' highlighted with a blue circle and the number 2. Below the buttons is a table with the following data:

ID:	NRCNum:	Status:	PN:	Description:	Qty:	Unit:	Stock:	OrderNum:	RequestTime:	OrderTime:	AltPN:	StockDate:	StockQty:
181	N1407-001	N	4546	NEW PART	1	Each	No		R 05/09/2011 17:39				

1. ARA (materials which are needed for NRC completion) will be displayed only in case when a non-routine card is registered, where a mechanic makes a materials request (for details, view the 'NRC Registration' part).

Materials are at stock are green;
Materials are not at stock are red.

2. When you have a complete materials list, you may print out new materials/ordered materials/reserved materials.

3. Click on the PRINT button to print out a logistic report.

4. To display newly required materials, tick the New Materials Entry field.

4.2 Non – Routine Card (NRC) Update and ARA Registration.

The screenshot displays the 'Line Work Orders Registration' application. The 'Distribution' tab is selected, showing a list of NRCs. A specific NRC (L1412-001) is selected, and its details are shown in the 'Non Routine Card Editor'. The 'Additional Repair Agreement (ARA) Invoiced Amount' section is visible, along with the 'Additional Repair Agreement (ARA) Required Materials' section. The interface includes various input fields, buttons, and a table for adding materials.

1. Here, in the Distribution tab, all NRC, registered in the Completion tab, are displayed.

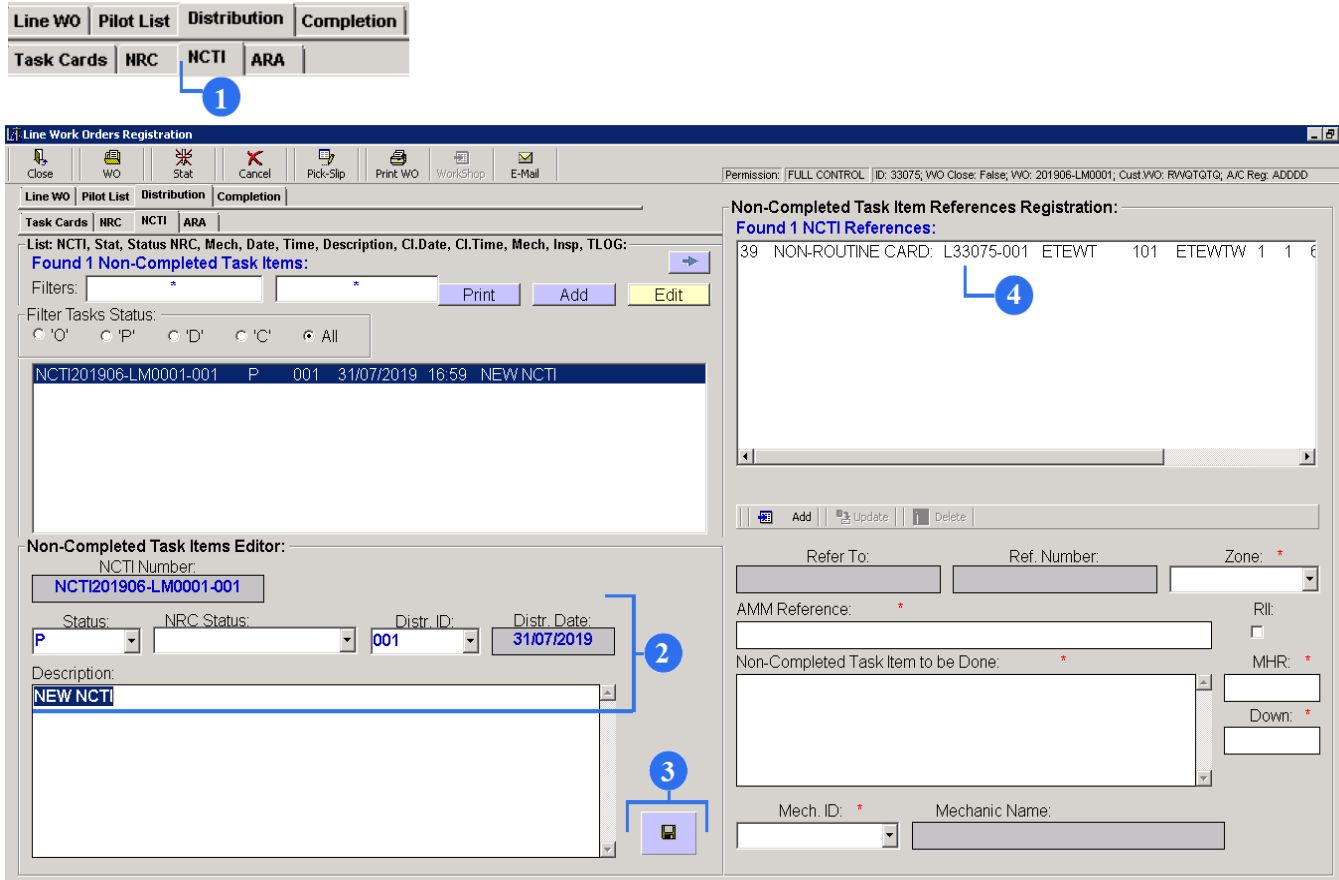
2. To update the NRC, click on the Edit button. Make changes and click on the button with discette to save it.

3. If for materials order, an ARA is needed, select the 'ARA'; check box.

4. Write down the material PN, QTY, Type, etc. If the materials are at stock, select the 'Stock'; check box. Click on the ADD button to save. Then, materials will be displayed in the ARA tab.

5. Set up the Labor Man-Hours cost in the ARA Invoiced Amount, if needed. Click on the Update button to save.

4.3 Non – Completed Task Items (NCTI) Registration.



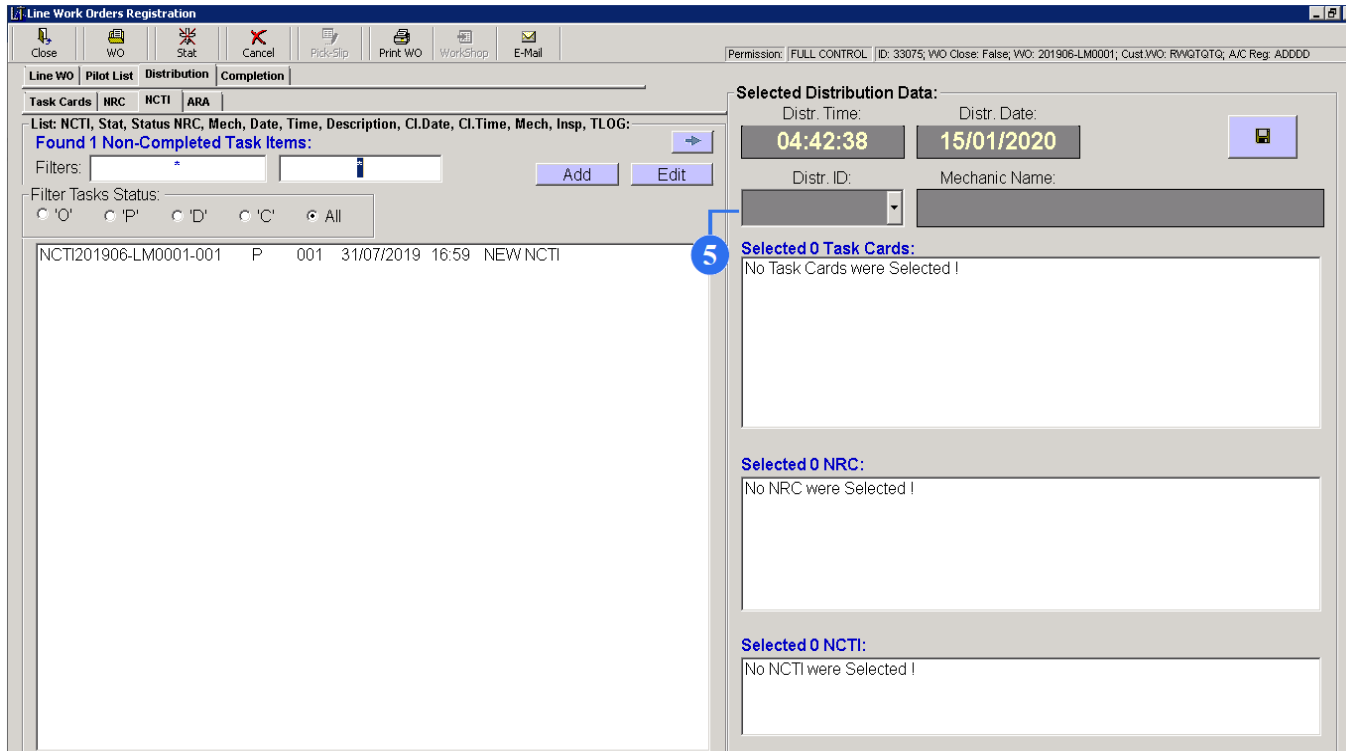
The Task Card can be closed only when all tasks, which constitute it, are completed; and all post-repair checks (for example, run engine test, leakage test) are carried out.

These checks must be registered into the system in the 'NCTI' tab (Non-Completed Task Item). When NCTI is registered, task card can be closed.

After the registration, a NCTI should be distributed for its further completion.

1. Here you can create a NCTI, which will be filled with checks/ tests of task cards (in other words, you should make references to task cards).

2. Click on the ADD button and type a description of a NCTI.

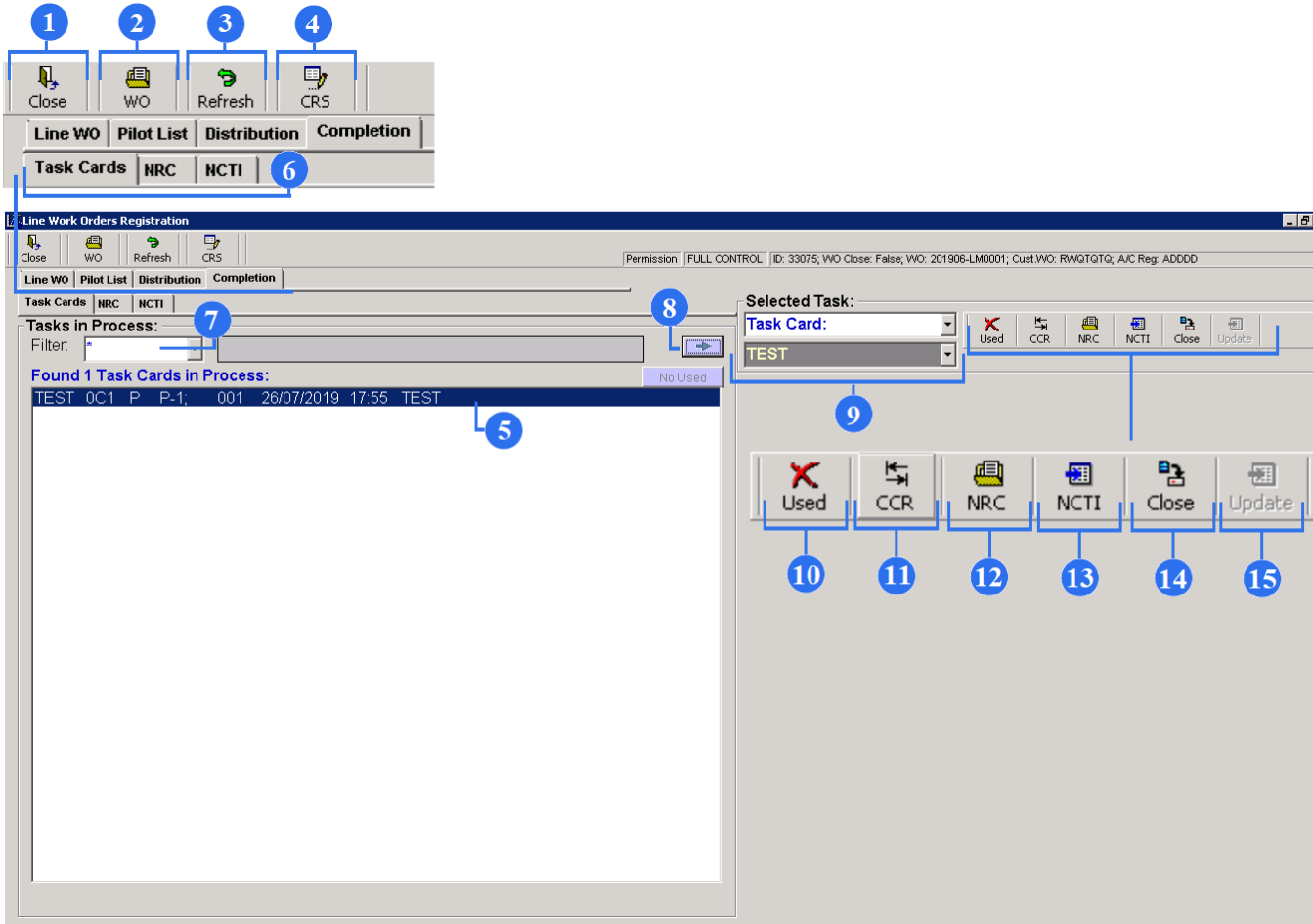


3. Click on this button to save.

4. Here you can only update references to task card, created in the 'Completion' tab.

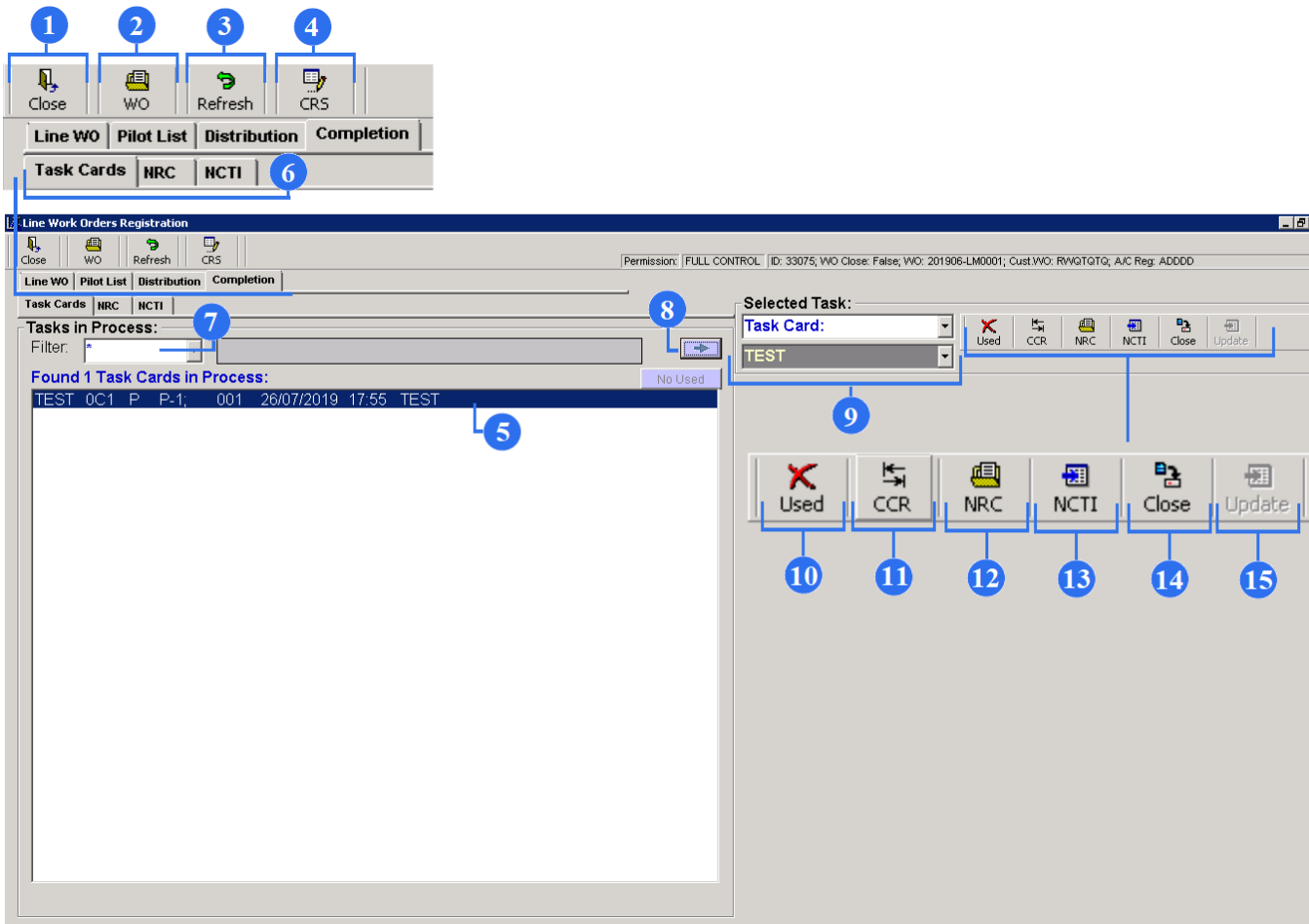
5. To distribute a NCTI, choose a mechanic's id and click on the button with discette. This NCTI will be in progress and displayed in the 'Completion-NCTI' tab.

5. Completion Overview



Toolbar:

1. Close (the screen)
2. WO (to select a work order from a list of work orders)
3. Refresh (to reset an opened editor or step back)
4. CRS (Certificate of release to Service; fill in required text boxes and print the certificate out).
5. To select a task card from a work order, double click a work order, and then highlight a task.
6. To switch on a particular tasks list, use the tab.
7. To find a task, which a certain mechanic completes, use the ID filter. In the id field



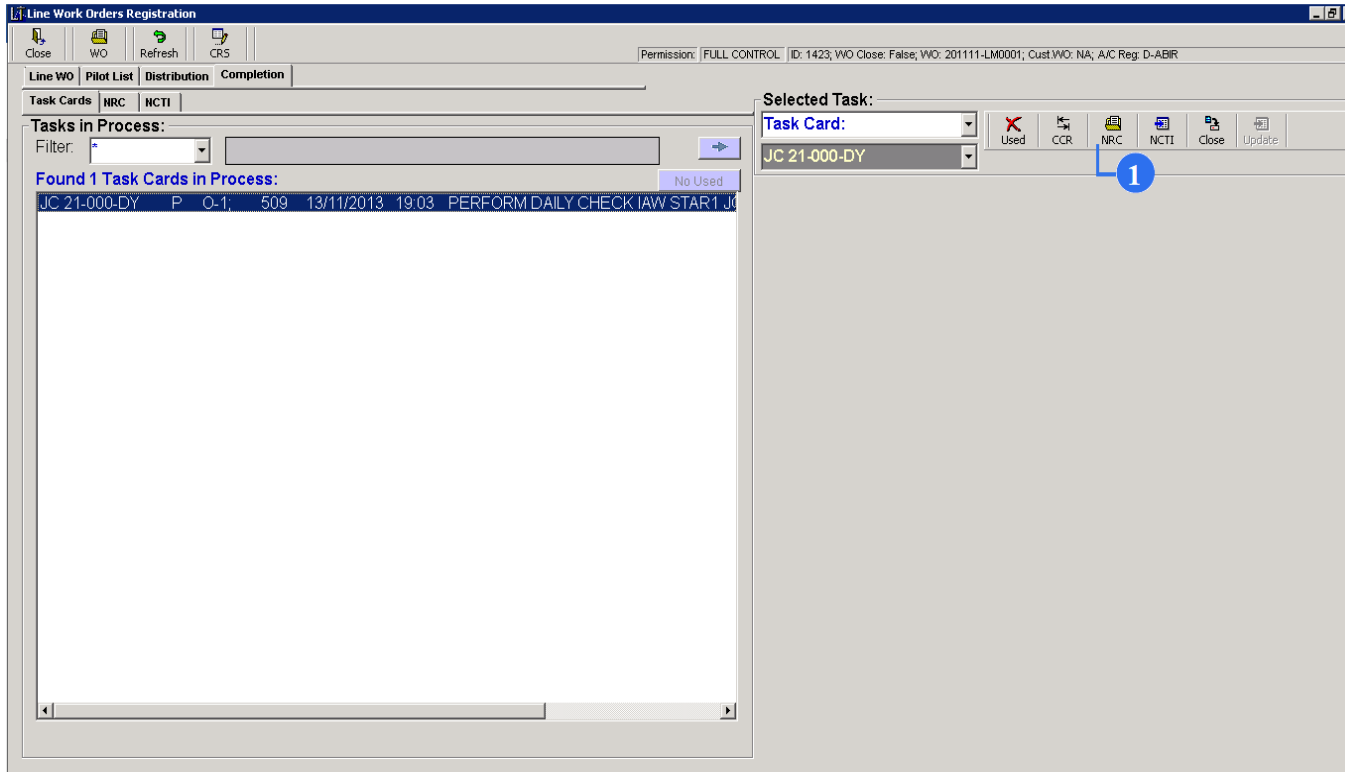
select a mechanic's id and his name will be also displayed in the gray field.

8. To extend the Tasks in Process Screen, click on this button.

9. You may also select a task, choosing it in the Selected Task field. But if you highlight a task from the right side of the Completion screen (in the Tasks in Process screen), this task will be automatically displayed in the Selected Task field.

- 10. To register used materials for the task completion.
- 11. To register component change
- 12. To register a NRC (a non-routine card).
- 13. To register a non-completed task item.
- 14. To close a completed task card.
- 15. To update a non-routine card. This option is available only for non-routine cards (select a NRC tab). To remember all steps a mechanic completes, make an 'Action Note' in the editor.

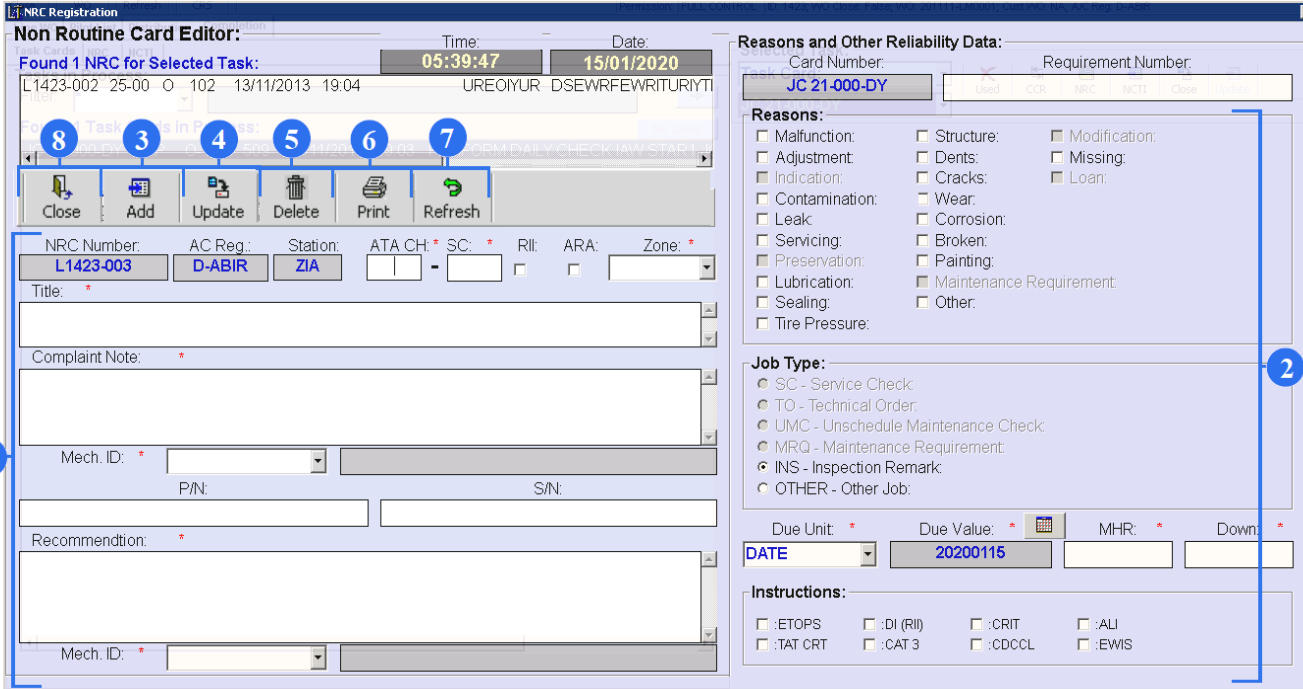
5.1 Non-Routine Card (NRC) Registration



1. A Non-Routine Card for a selected task is registered only when some new defects emerge during the task completion.

All newly registered non-routine cards will be transferred with opened status to the DISTRUBION tab.

To open the editor, highlight the task and click on the button.



2. Fill out the required text boxes (a title, a compliant note, recommendations, mechanic's id, due unit, due value, estimated man hours-MHR, estimated down time, choose reasons and a job type). All fields with an *asterisk (*)* are *obligatory*.

3. Click on the Add toll button to save and add a NRC.

4. To make changes in a registered NRC, highlight it in the 'Found NRC' window, change and then click on the Update tool button.

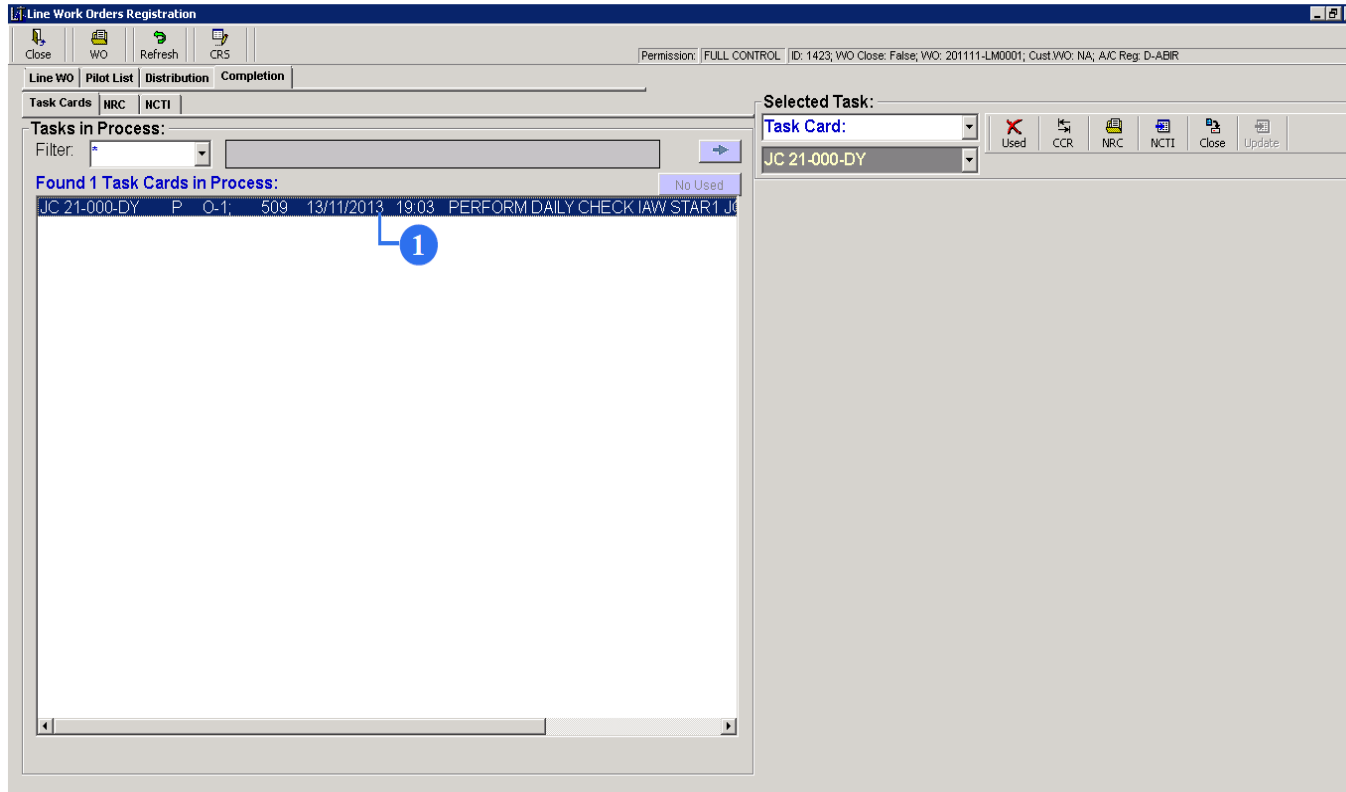
5. To delete a NRC, click on the Delete tool button.

6. To reset text boxes, click on the Refresh tool button.

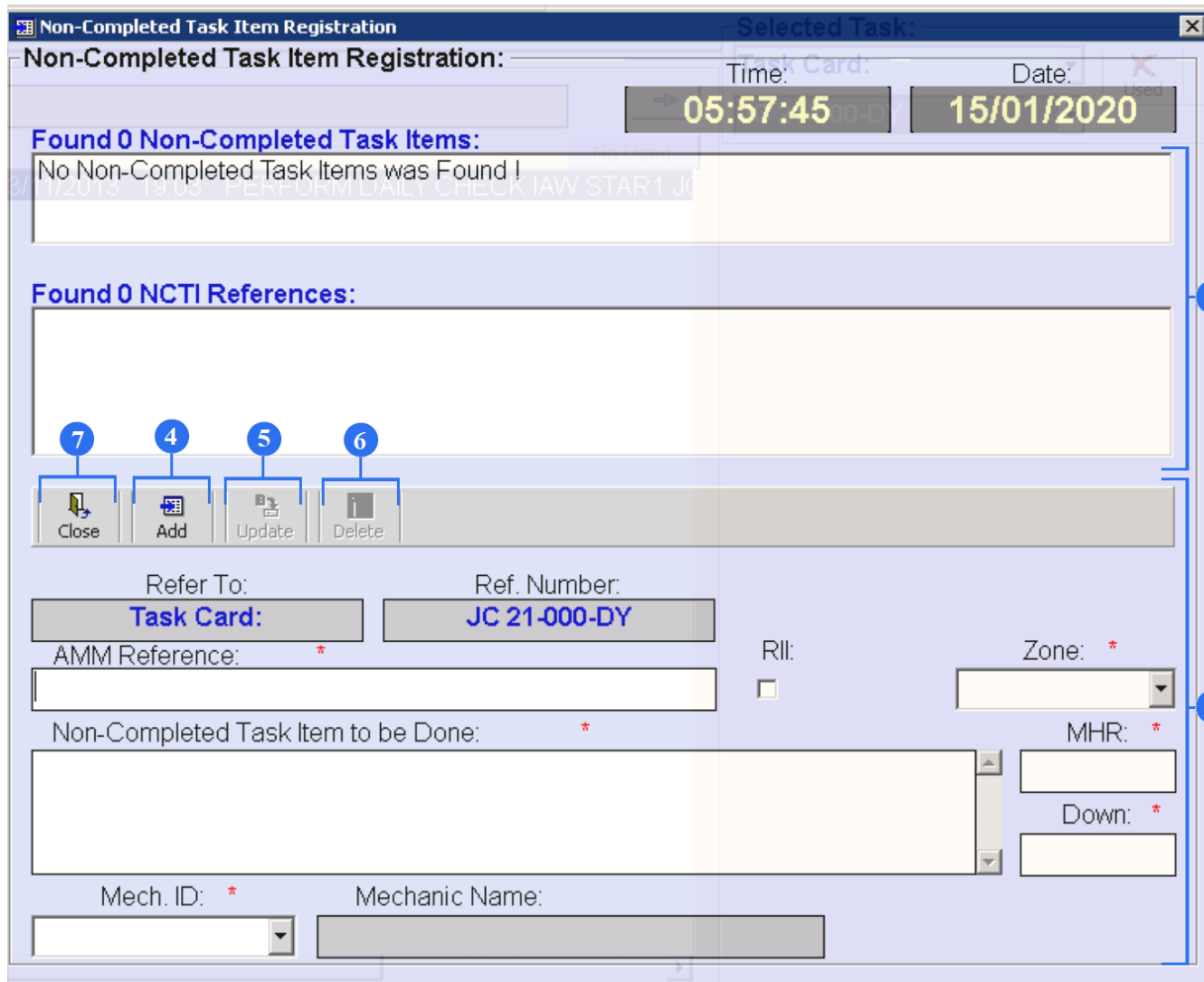
7. To print out a NRC, click on the Print tool button.

8. To close the Non-Routine Card Editor, click on the Close tool button.

5.2 Non-Completed Task Items (NCTI) References

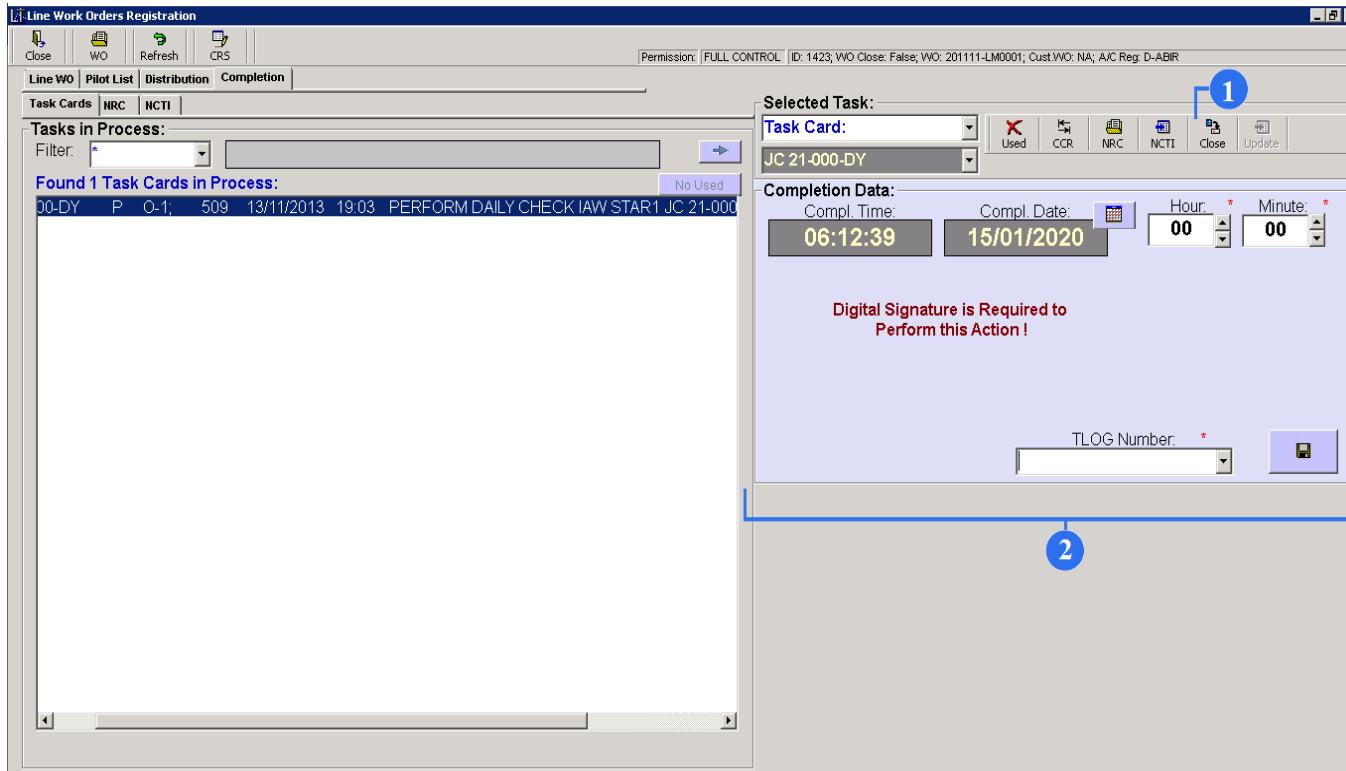


1. To register a NCTI reference for a selected task, click on the NCTI button.



2. Using the NCTI Registration editor, you may register references to other task cards in one NCTI. But this NCTI must be already registered in the DISTRUBITION tab.
3. To add a new reference, fill the text boxes. All fields with an *asterisk (*)* are required *obligatory*.
4. Click on the Add toll button and the reference will be automatically transferred to the NCRI References Window.
5. To make changes in an existing reference, highlight it and click on the Update tool button.
6. To Delete a NCTI reference, click on the Delete button.
7. To exit the Non-Completed Task Item Registration screen, click on the Close button.

5.3 Task Close



1. To close a completed task card, click on the Close button.
2. Enter required information and click on the button with duscette. The task will be closed.

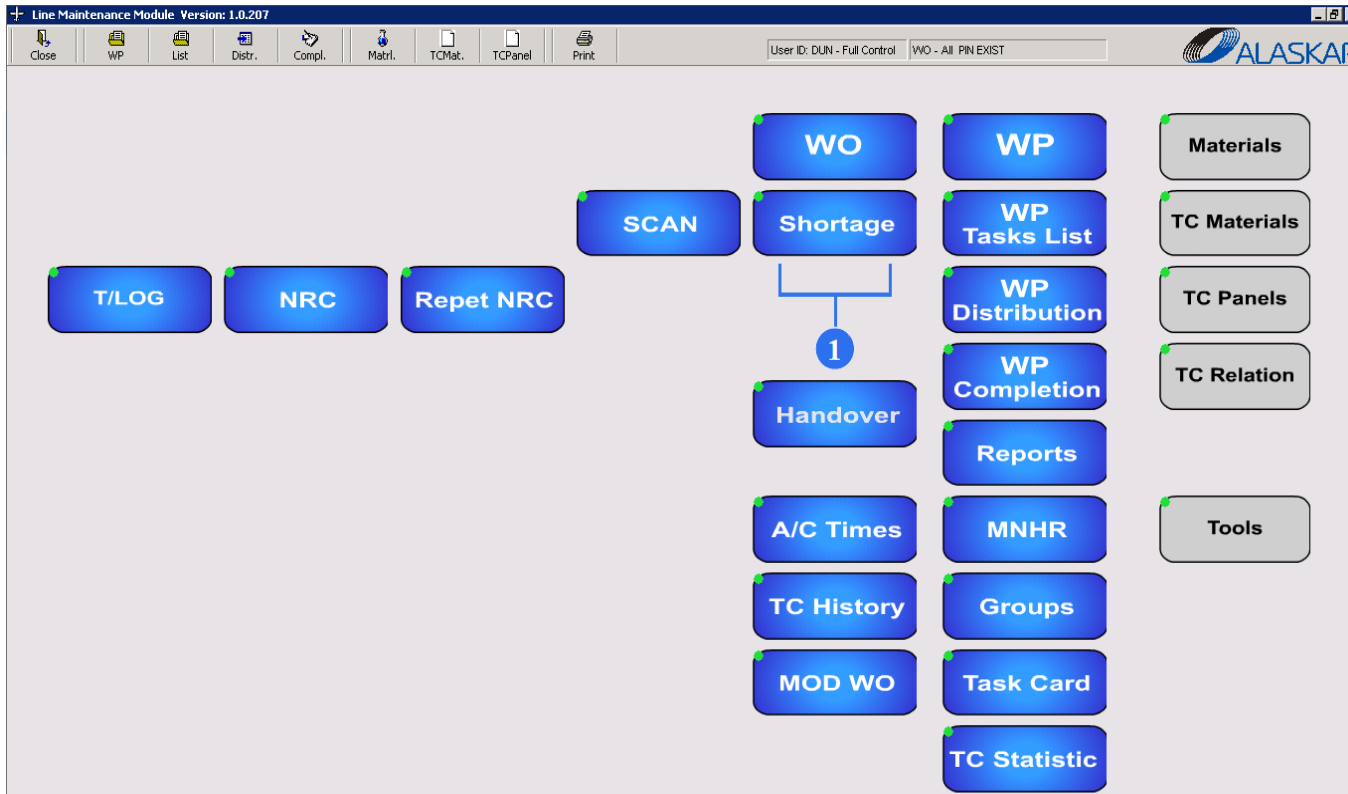
III. SHORTAGE

User Guidance

Contents

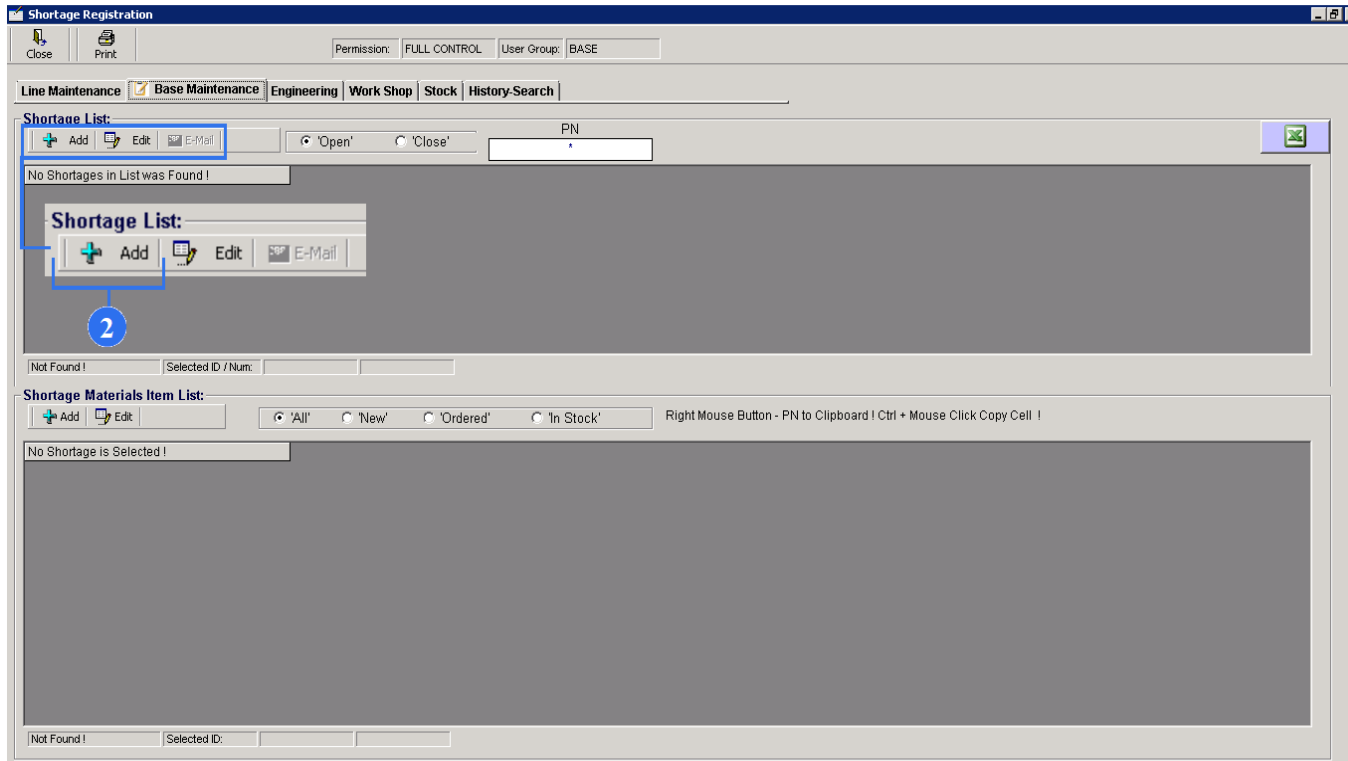
1. Shortage Registration.....	43
2. Shortage Items Addition.....	48
3. Shortage Status.....	52

1. Shortage Registration.



If there are no required materials for the task completion, a shortage must be registered. After the registration, this shortage will be displayed in the Stock Module (Shortage sub-module).

1. Click on the SHORTAGE button to enter the screen.



2. Click on the ADD button and a Shortage Editor will be opened.

Shortage Editor: 6

Close Add Update Delete

Shortage No: **2** User Group: **BASE** Reg. Date: **16/01/2020 - 15:18** 3

Use for: * Use Number: *

A/C Type: * A/C Reg: *

Customer Name: * **AME** 4

Note / Description:

Priority Date: * Issued By: * Ship to: * 5

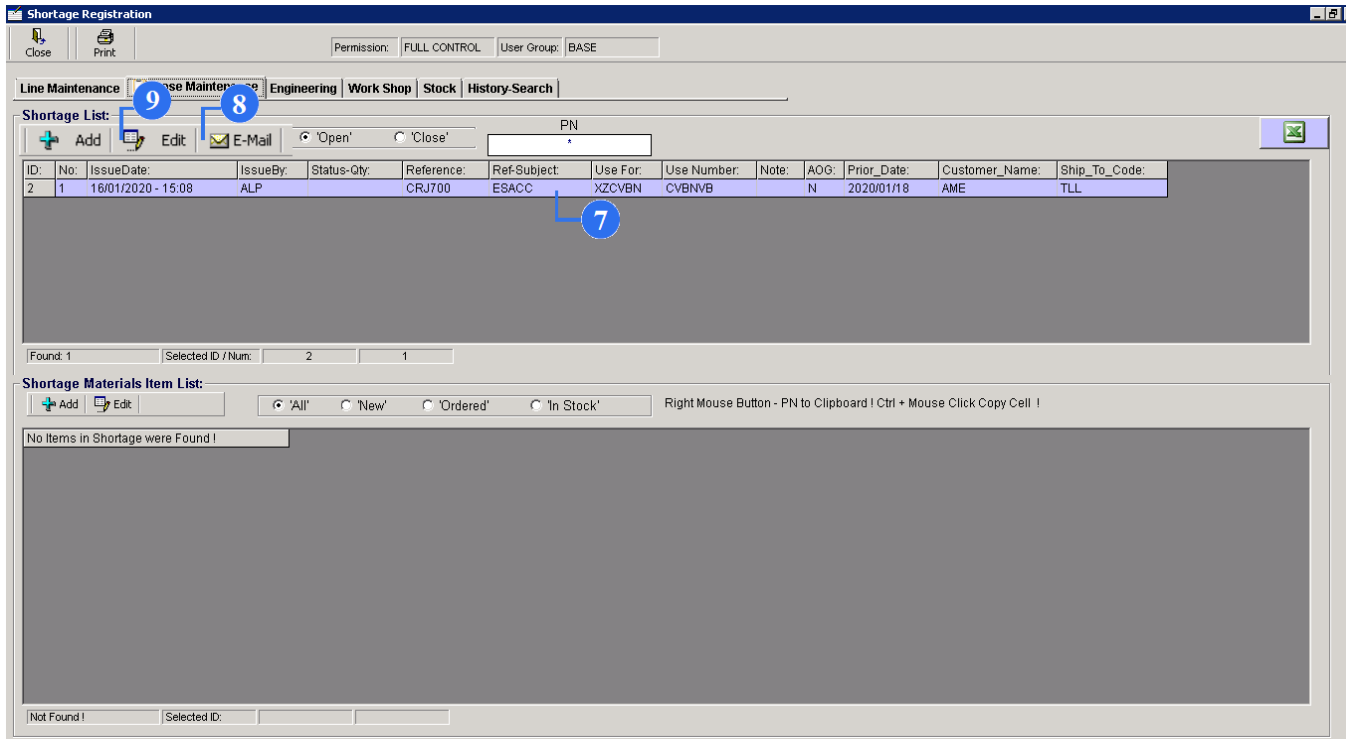
AOG MEL: **A** User Name:

3. A Shortage number, a user group and a registration date will be generated automatically.

4. Enter an aircraft type, registration and why a shortage is registered (Use For, Use Number), write a description and select Customer Name.

5. Select a priority date (when a particular component should be delivered). Select "Issued By" and "Ship to". Tick the AOG field (Aircraft On the Ground), if urgent materials are required. All shortages, marked with AOG, are in red colour in a Shortage List.

6. To add a new shortage, click on the Add button.



7. You can see the save data in the Shortage List. Highlight the line.

8. To supply the data to e-mail, click on the “E-Mail”.

9. To update an existing shortage click on the “Edit” button.

Shortage Editor:

Close Add Update Delete

Shortage No: 2 User Group: BASE Reg. Date: 16/01/2020 - 15:43

Use for: * XZCVBN Use Number: * CVBNVB

A/C Type: * CRJ700 A/C Reg: * ESACC

Customer Name: * AEGEAN AIRLINES S.A.

Note / Description: SDFGHJ

Priority Date: * 2020/01/18 Issued By: * ALP Ship to: * TLL

AOG MEL: A User Name:

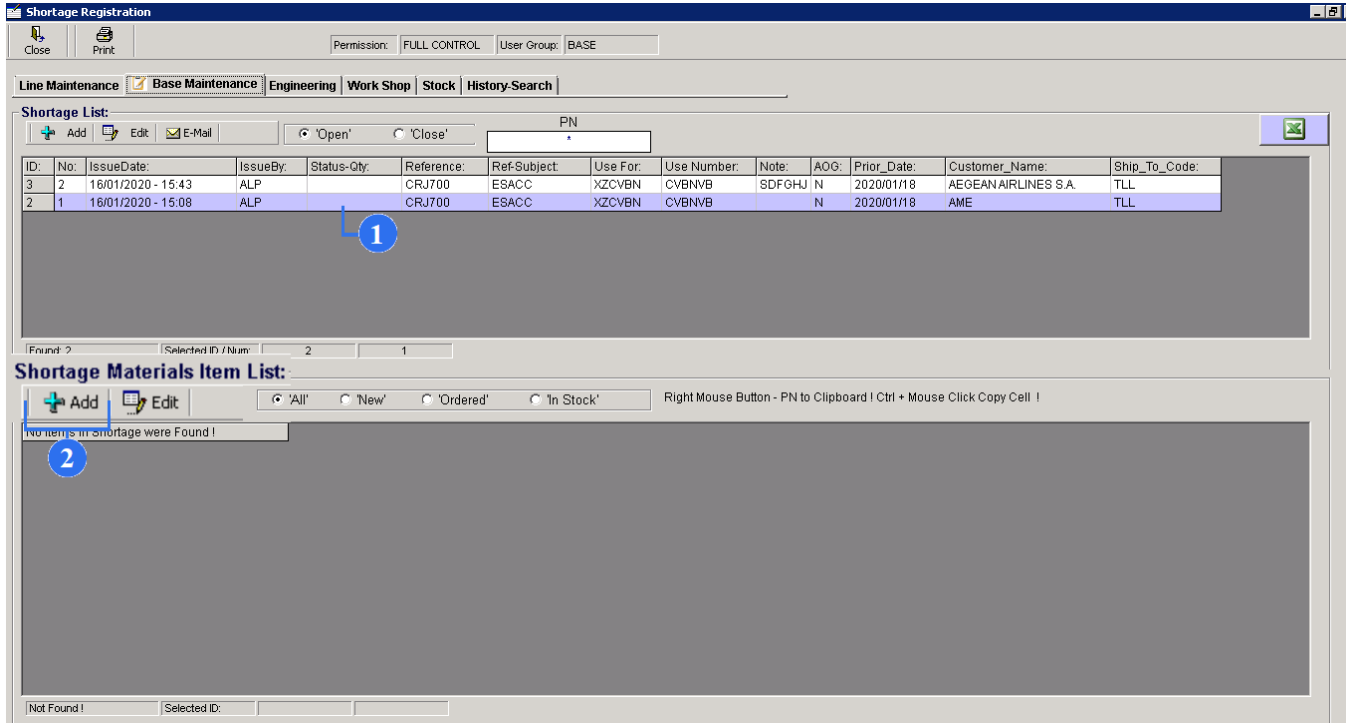
10. In the Shortage Editor make changes.

11. Click on the update button.

12. To delete an existing shortage, highlight it in a shortage list and click on the EDIT button. In the Shortage Editor click on the DELETE button.

13. To reset the editor, click on the CLOSE button.

2. Shortage Items Addition.



Shortage Registration

Close Print Permission: FULL CONTROL User Group: BASE

Line Maintenance **Base Maintenance** Engineering Work Shop Stock History-Search

Shortage List: Add Edit E-Mail Open Close PN

ID:	No:	IssueDate:	IssueBy:	Status-Qty:	Reference:	Ref-Subject:	Use For:	Use Number:	Note:	AOG:	Prior_Date:	Customer_Name:	Ship_To_Code:
3	2	16/01/2020 - 15:43	ALP		CRJ700	ESACC	XZCVBN	CVBNVB	SDFGHJ	N	2020/01/18	AEGEAN AIRLINES S.A.	TLL
2	1	16/01/2020 - 15:08	ALP		CRJ700	ESACC	XZCVBN	CVBNVB		N	2020/01/18	AME	TLL

Found: ? Selected ID / Num: 2 1

Shortage Materials Item List: Add Edit All New Ordered In Stock Right Mouse Button - PN to Clipboard | Ctrl + Mouse Click Copy Cell !

No items in shortage were Found!

Not Found! Selected ID:

1. In the Shortage List highlight necessary line.
2. In the Shortage Materials Item List click on the "Add" button.

Shortage Item Editor: 6

Close Add Update Delete

Shortage No: Item ID: Reg. Date:

Found Materials:

Filter:

List1

P/N: * P/N Known Unit: * Qty: *

P/N Description: *

Note / IPC Reference:

P/N Substitute _ 1: P/N Substitute _ 2:

Min. Stock Qty:

Category: *

MATERIAL TOOL

Part Condition Req.:

NEW
 OVERHAULED
 REPAIRED
 INSPECTED
 TESTED

Type: *

CONS ROT REP EXP

- 3 3. After the selection, a part number and a description will be denigrated automatically.
- 4 4. Choose a unit and quantity.
- 5 5. Make references if needed. Enter Substitutes, if any. Check the box of the Category and Type.
- 6 6. To add a new item, click on the ADD button.

Shortage Registration

Close Print Permission: FULL CONTROL User Group: BASE

Line Maintenance **Base Maintenance** Engineering Work Shop Stock History-Search

Shortage List: Add Edit E-Mail Open Close PN *

ID:	No:	IssueDate:	IssueBy:	Status-Qty:	Reference:	RefSubject:	Use For:	Use Number:	Note:	AOG:	Prior_Date:	Customer_Name:	Ship_To_Code:
3	2	16/01/2020 - 15:43	ALP		CRJ700	ESACC	XZCVBN	CVBNVB	SDFGHJ	N	2020/01/18	AEGEAN AIRLINES S.A.	TLL
2	1	16/01/2020 - 15:08	ALP		CRJ700	ESACC	XZCVBN	CVBNVB	N		2020/01/18	AME	TLL

For: Selected ID / Num: 2 1

Shortage Materials Item List: Add Edit All New Ordered In Stock Right Mouse Button - PN to Clipboard | Ctrl + Mouse Click Copy Cell |

ID:	No:	Item:	IssueDate:	PN:	PN_SUBST_1:	PN_SUBST_2:	Description:	Qty:	Note:	UM:	Type:	Status:	PN_Known:	Min_Qty:	Category:	OrderNum:	OrderTime:	ReceiveDa
3	1	1	16/01/2020 - 16:17	4551			LAMP	1		EACH	CON	N	Y		M			

Found: 1 Selected ID: 3

7. You can see the save data in the Shortage Materials Item List. Highlight the line.

8. To update an existing shortage click on the "Edit" button.

Shortage Item Editor:

Close Add Update Delete

Shortage No: 1 Item ID: 1 Reg. Date: 16/01/2020 - 16:17

Found 2 Part Numbers:

Filter: 4551 *

4551	LAMP
45515011P0543	LOWER ESC ASSY

P/N: * P/N Known Unit: * EACH Qty: * 1

P/N Description: * LAMP T_2: Descri

Note / IPC Reference:

P/N Substitute _ 1: P/N Substitute _ 2:

Min. Stock Qty:

Category: * MATERIAL TOOL

Part Condition Req.: NEW OVERHAULED REPAIRED INSPECTED TESTED

Type: * CONS ROT REP EXP

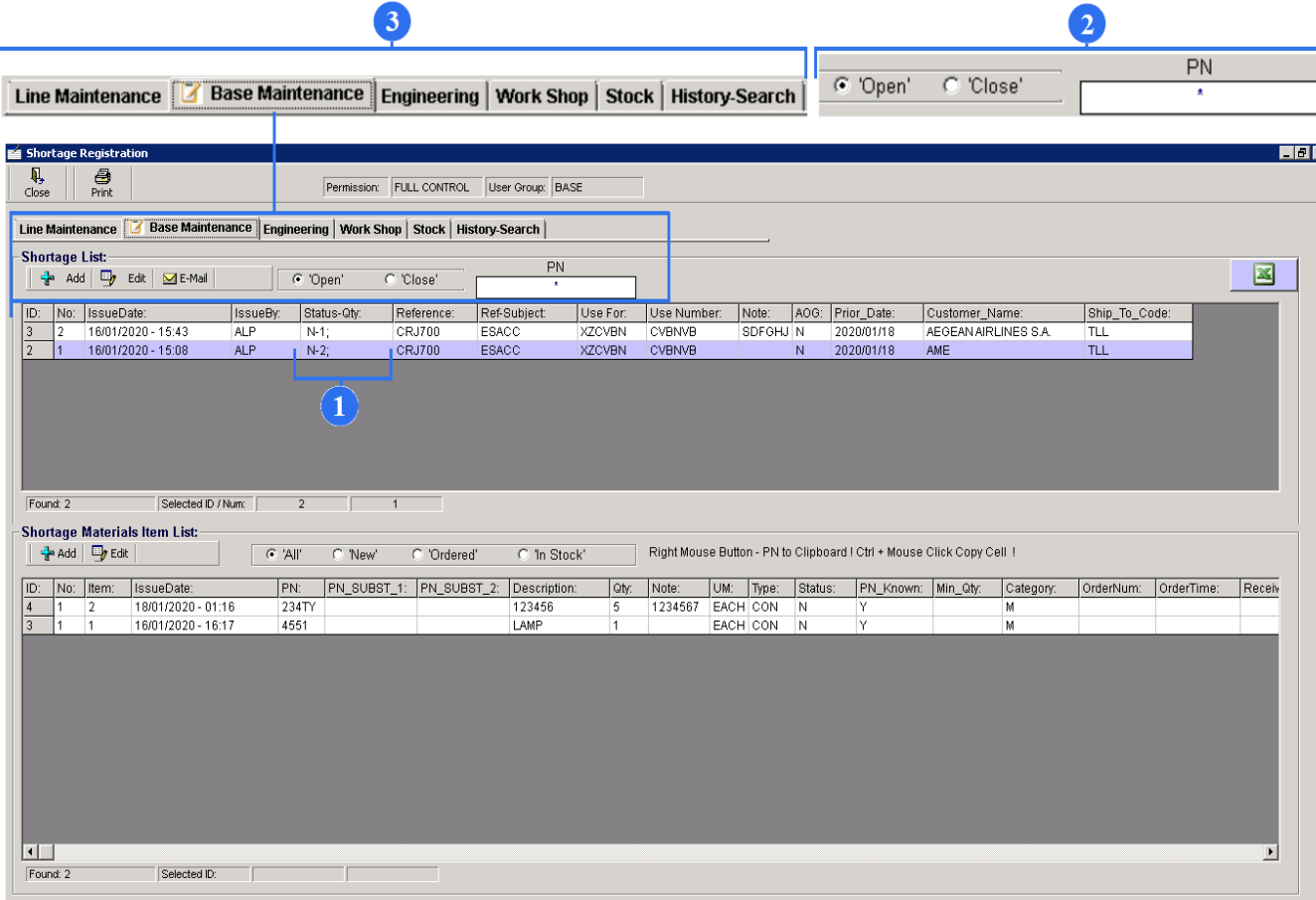
9. In the Shortage Editor make changes.

10. Click on the update button.

11. To delete an existing item, highlight it in a shortage material item list and click on the EDIT button. In the Shortage Item Editor click on the DELETE button.

12. To reset the editor, click on the CLOSE button.

3. Shortage Status.



The screenshot shows the 'Shortage Registration' window. At the top, there are navigation tabs: 'Line Maintenance', 'Base Maintenance', 'Engineering', 'Work Shop', 'Stock', and 'History-Search'. A search bar with 'PN' and a search button is visible. Below the tabs is a 'Shortage List' table. The table has the following data:

ID	No	IssueDate	IssueBy	Status-Qty	Reference	Ref-Subject	Use For	Use Number	Note	AOG	Prior_Date	Customer_Name	Ship_To_Code
3	2	16/01/2020 - 15:43	ALP	N-1;	CRJ700	ESACC	XZCVBN	CVBNVB	SDFGHJ	N	2020/01/18	AEGEAN AIRLINES S.A.	TLL
2	1	16/01/2020 - 15:08	ALP	N-2;	CRJ700	ESACC	XZCVBN	CVBNVB		N	2020/01/18	AME	TLL

Below the 'Shortage List' is a 'Shortage Materials Item List' table with the following data:

ID	No	Item	IssueDate	PN	PN_SUBST_1	PN_SUBST_2	Description	Qty	Note	UM	Type	Status	PN_Known	Min_Qty	Category	OrderNum	OrderTime	Receiv
4	1	2	16/01/2020 - 01:16	234TY			123456	5	1234567	EACH	CON	N	Y		M			
3	1	1	16/01/2020 - 16:17	4551			LAMP	1		EACH	CON	N	Y		M			

1. To view the items status of a particular shortage, view a Status-Quantity column:

- 'N' means a new item, just registered (in white color in the shortage materials item list);

- 'O' means an ordered item, but it's not in stock yet (in yellow color in the shortage materials item list);

- 'S' means an item in stock (in green color in the shortage materials item list).

2. You may also view a history of closed shortages by using a filter.

3. To view what shortages different department ordered, use a line maintenance/base maintenance/engineering/work shop/stock/history-search tab.

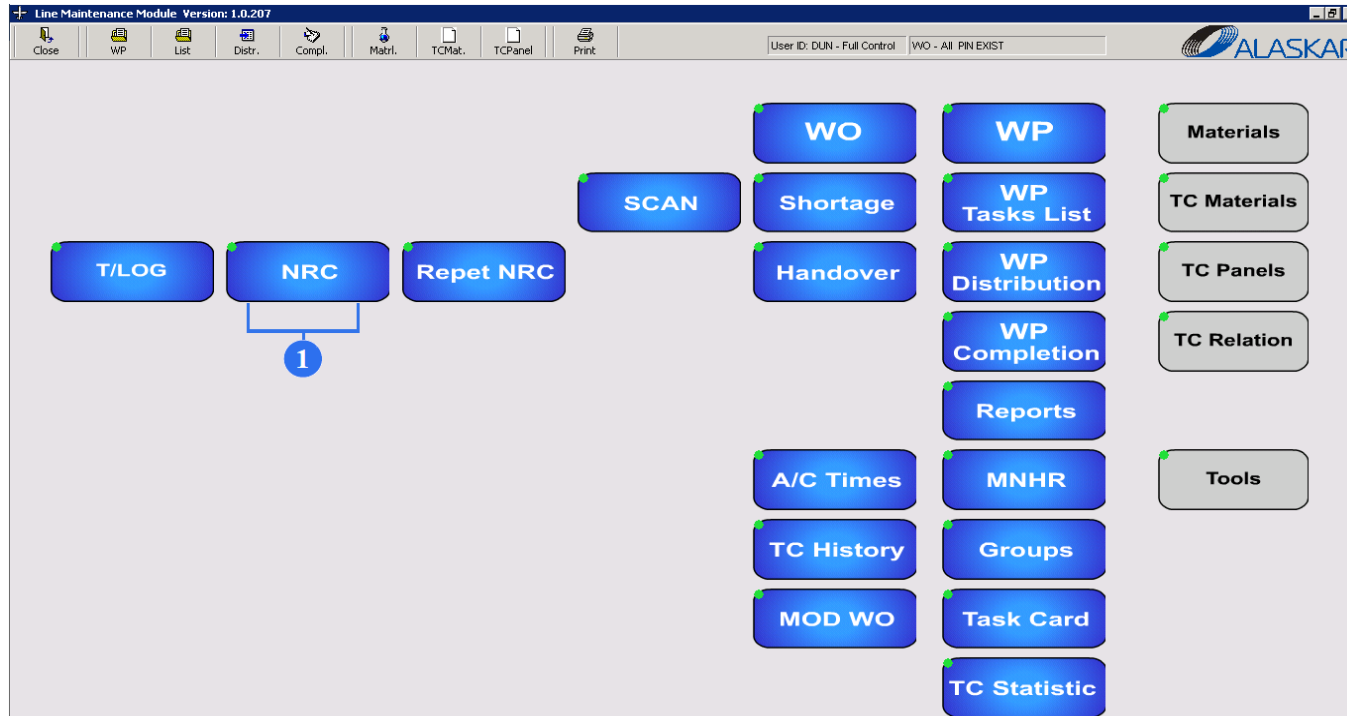
IV. NRC – NON – ROUTINE CARD

User Guidance

Contents

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1. General.



A non – routine card is registered in case of new detected defects and problems, when there is no opportunity to solve technical problem right now. To begin to work with this submodule, you need click “NRC” button (1) on the right side of Line Maintenance Module list.

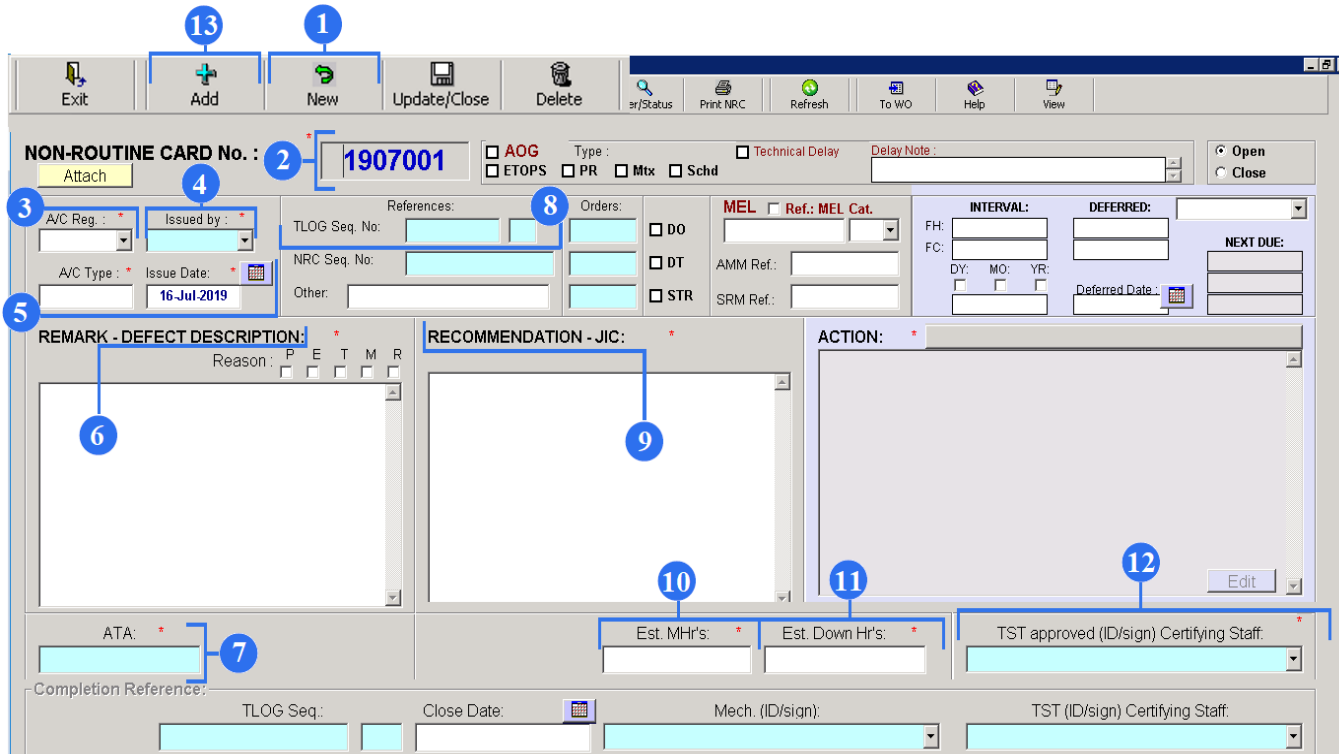
The user’s manual consists of two sections: NRC creation and NRC toolbar overview.

Non – routine card creation provides step by step overview of the new NRC creation with defect rectification, of the NRC creation using MEL/CDL and of the NRC creation with closing deferred defect.

NRC toolbar overview section gives you information how to create new NRC with other A/C registration number without exit from NRC submodule and re-enter. Also, this section allows to find any necessary information by using history filters and to find NRC maintenance history for any period.

2. Non – Routine Card (NRC) creation.

2.1. NRC creation with defect rectification.



The screenshot shows the 'NON-ROUTINE CARD' creation window. The interface includes a toolbar at the top with buttons for Exit, Add, New, Update/Close, and Delete. The main form is divided into several sections:

- Header:** 'NON-ROUTINE CARD No. : 1907001' (Callout 2). Includes checkboxes for AOG, ETOPS, PR, Mtx, and Schd. Buttons for Attach (Callout 4), Open, and Close are present.
- Form Fields:** A/C Reg. (Callout 3), Issued by (Callout 4), TLOG Seq. No. (Callout 8), MEL Ref. (Callout 8), AMM Ref., SRM Ref., Interval, Deferred, and Next Due fields.
- Issue Date:** 16-Jul-2019 (Callout 5).
- Remarks:** 'REMARK - DEFECT DESCRIPTION:' (Callout 6), 'RECOMMENDATION - JIC:' (Callout 9), and 'ACTION:' (Callout 11) sections.
- ATA:** ATA field (Callout 7).
- Estimate:** Est. MH's (Callout 10) and Est. Down Hr's (Callout 10) fields.
- Approval:** TST approved (ID/sign) Certifying Staff (Callout 12).
- Footer:** Completion Reference, TLOG Seq., Close Date, Mech. (ID/sign), and TST (ID/sign) Certifying Staff fields.

1. To create a new NRC, push “NEW” button on the upper toolbar of the NON – ROUTINE CARD screen.

2. The NRC number will appear automatically. It is unique number which is created by NRC sub - module. It gets rid of duplicate number.

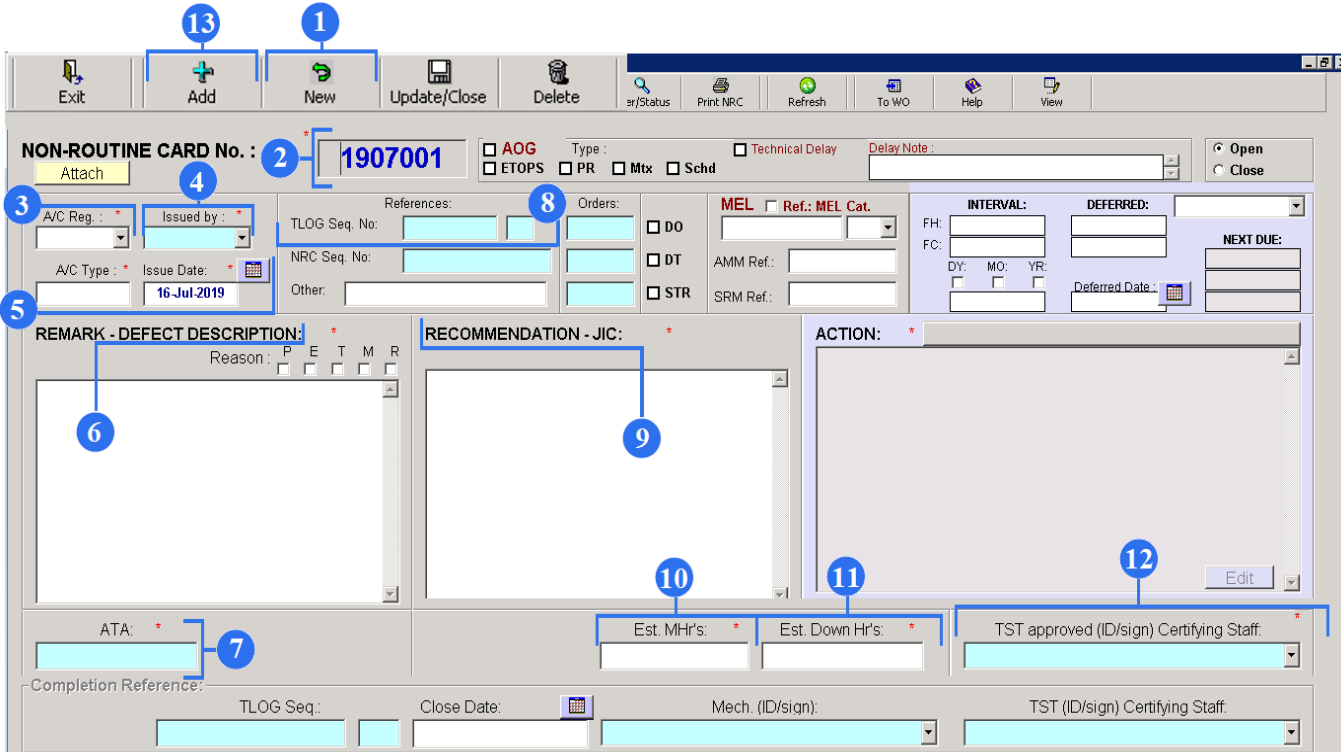
3. Select aircraft registration and aircraft type will automatically appear.

4. Select a mechanical ID number. Click F1 button on your computer keyboard to see more information about mechanical.

5. NRC Editor will automatically generate a today’s date. If the edit date is not today, use the calendar to select the correct flight date of proper aircraft.

6. REMARK field is needed to record all pilot remarks or remarks, that was found during maintenance.

NOTE: Fields with a reference marks (*) are mandatory to fill.



The screenshot shows a software interface for a 'NON-ROUTINE CARD'. The form is divided into several sections:

- Header:** Includes buttons for 'Exit', 'Add', 'New', 'Update/Close', and 'Delete'. A toolbar contains icons for 'er/Status', 'Print NRC', 'Refresh', 'To WO', 'Help', and 'View'.
- Card Information:** 'NON-ROUTINE CARD No. : 1907001'. Includes checkboxes for 'AOG', 'ETOPS', 'PR', 'Mtx', 'Schd', and 'Technical Delay'. A 'Delay Note' field is present.
- References and Orders:** Fields for 'TLOG Seq. No.', 'NRC Seq. No.', and 'Other:'. Includes checkboxes for 'DO', 'DT', and 'STR'. There are also fields for 'MEL', 'Ref.: MEL Cat.', 'AMM Ref.', and 'SRM Ref.'.
- Interval and Deferred:** Fields for 'INTERVAL:', 'DEFERRED:', 'FH:', 'FC:', 'DY:', 'MO:', 'YR:', and 'Deferred Date:'. A 'NEXT DUE:' field is also present.
- Remarks and Recommendations:** Three large text areas labeled 'REMARK - DEFECT DESCRIPTION:', 'RECOMMENDATION - JIC:', and 'ACTION:'. Each has a corresponding 'Reason:' field with checkboxes for 'P', 'E', 'T', 'M', 'R'.
- ATA and Estimation:** Fields for 'ATA:', 'Est. MHR's:', 'Est. Down Hr's:', and 'TST approved (ID/sign) Certifying Staff:'.
- Completion Reference:** Fields for 'TLOG Seq.', 'Close Date:', 'Mech. (ID/sign):', and 'TST (ID/sign) Certifying Staff:'.

Numbered callouts (1-13) point to specific fields and buttons: 1 (New), 2 (Card No.), 3 (A/C Reg.), 4 (Issued by), 5 (Issue Date), 6 (Remark field), 7 (ATA), 8 (References), 9 (Recommendation field), 10 (Est. MHR's), 11 (Est. Down Hr's), 12 (TST approved field), and 13 (Add button).

7. Select from ATA catalog correct system chapter number of related remark.

8. Enter a T/L number and its sequences (there are Technical Log Books where the whole page has number, but each reference has item number (sequence), and there are Technical Log Books where the page has references with own numbers, then Seq field is not required).

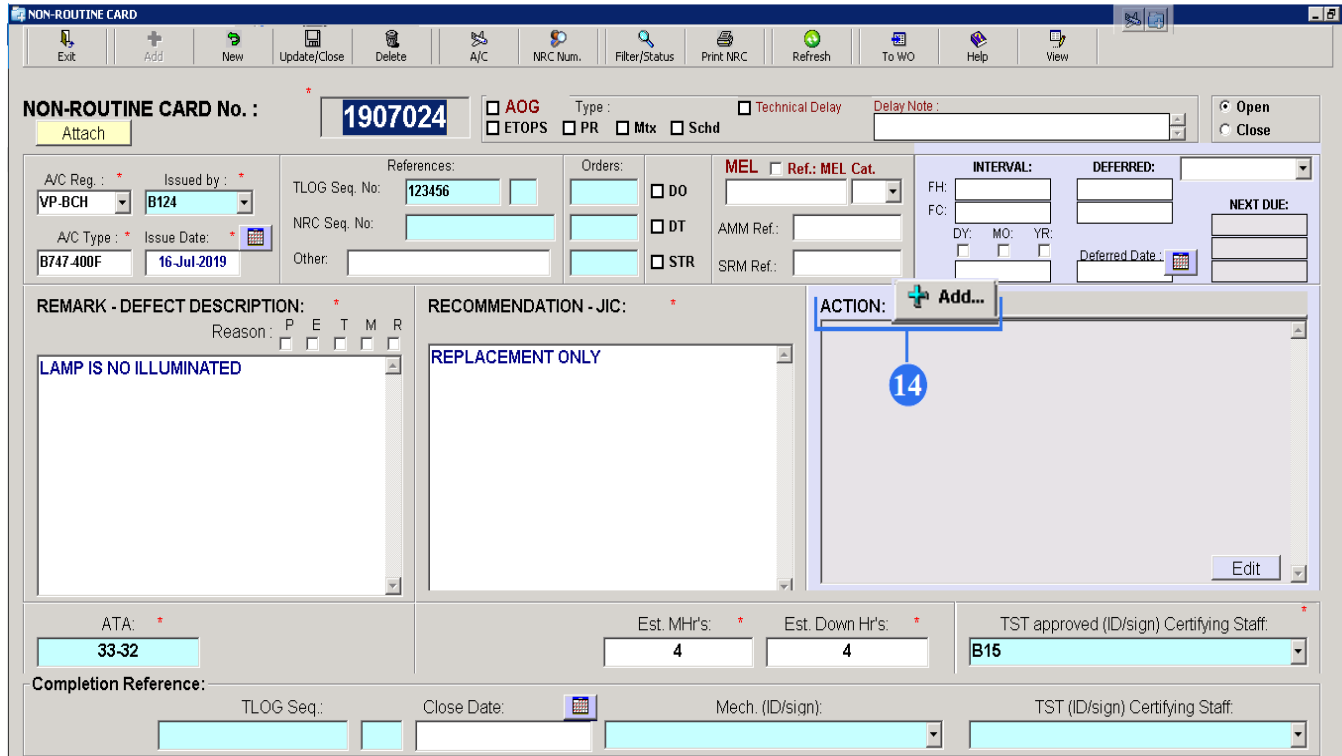
9. RECOMENDATION field is needed to record all recommendation for maintenance such as documentation references, or maintenance limitation. JIC – Job Instruction Card.

10. Enter estimated man hours (Est. MHR's).

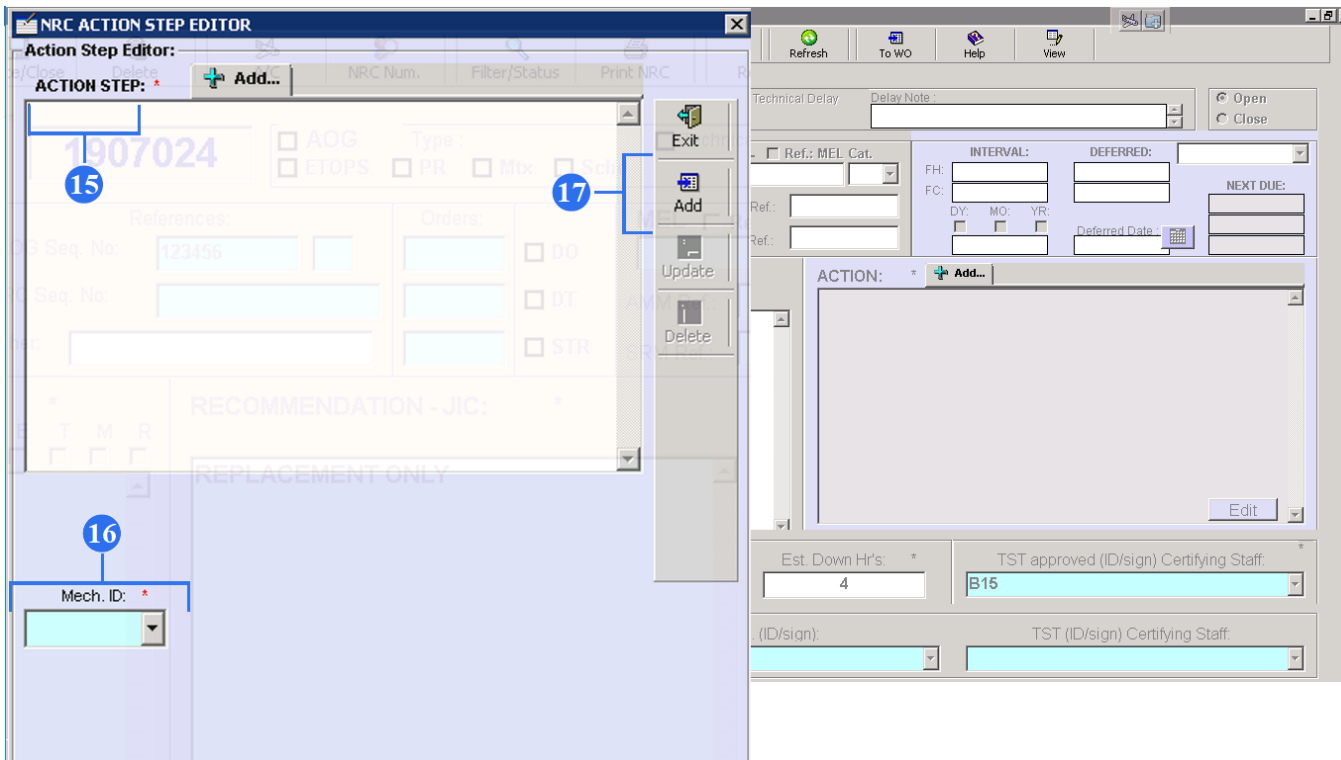
11. Enter estimated down hours (Est. Down Hr's)

12. Enter mechanical ID number to "TST approved (ID/sign) Certifying Staff" field.

13. Push "Add" button to confirm transfer current NRC to PART – M Planning Module as a new task for completion.



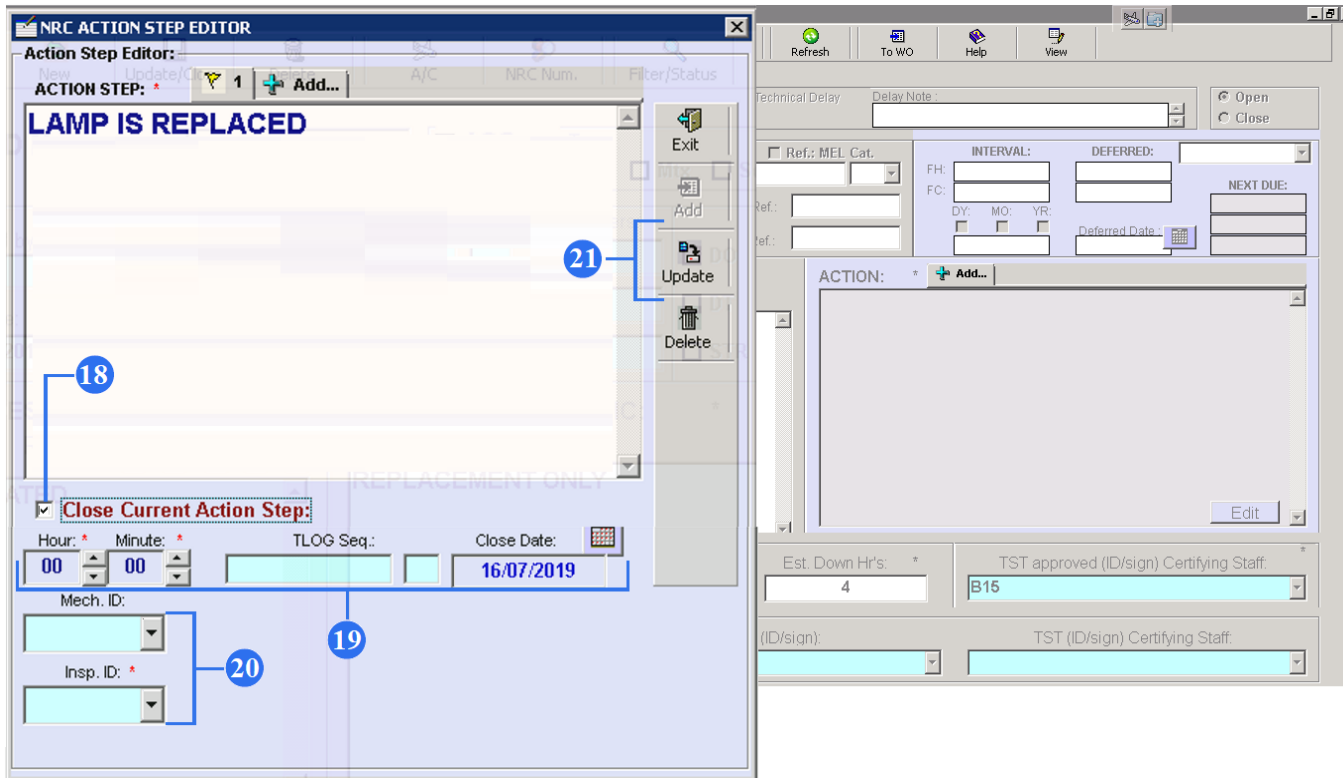
14. To record all actions taken by maintenance staff push ADD button, and NRC Action Step Editor will open.



15. Enter all actions taken by maintenance staff.

16. Enter mechanical ID number to “MECH ID” field.

17. Push “Add” button to confirm new add action.

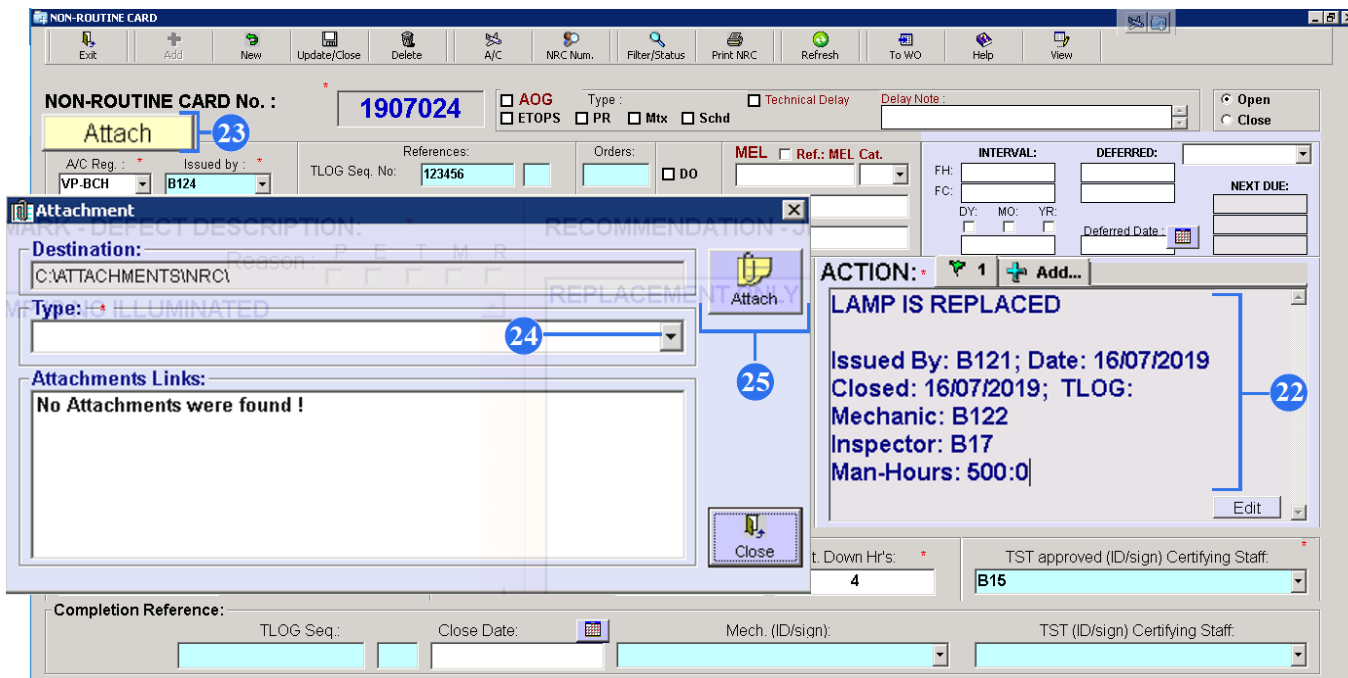


18. Tick the “Close Current Action Step” field.

19. Enter hours and minutes to display the total work time of the maintenance staff. Type the TLOG number and select the related date.

20. Enter mechanical ID number and Inspector ID number.

21. Push the “Update” button to confirm close action step.

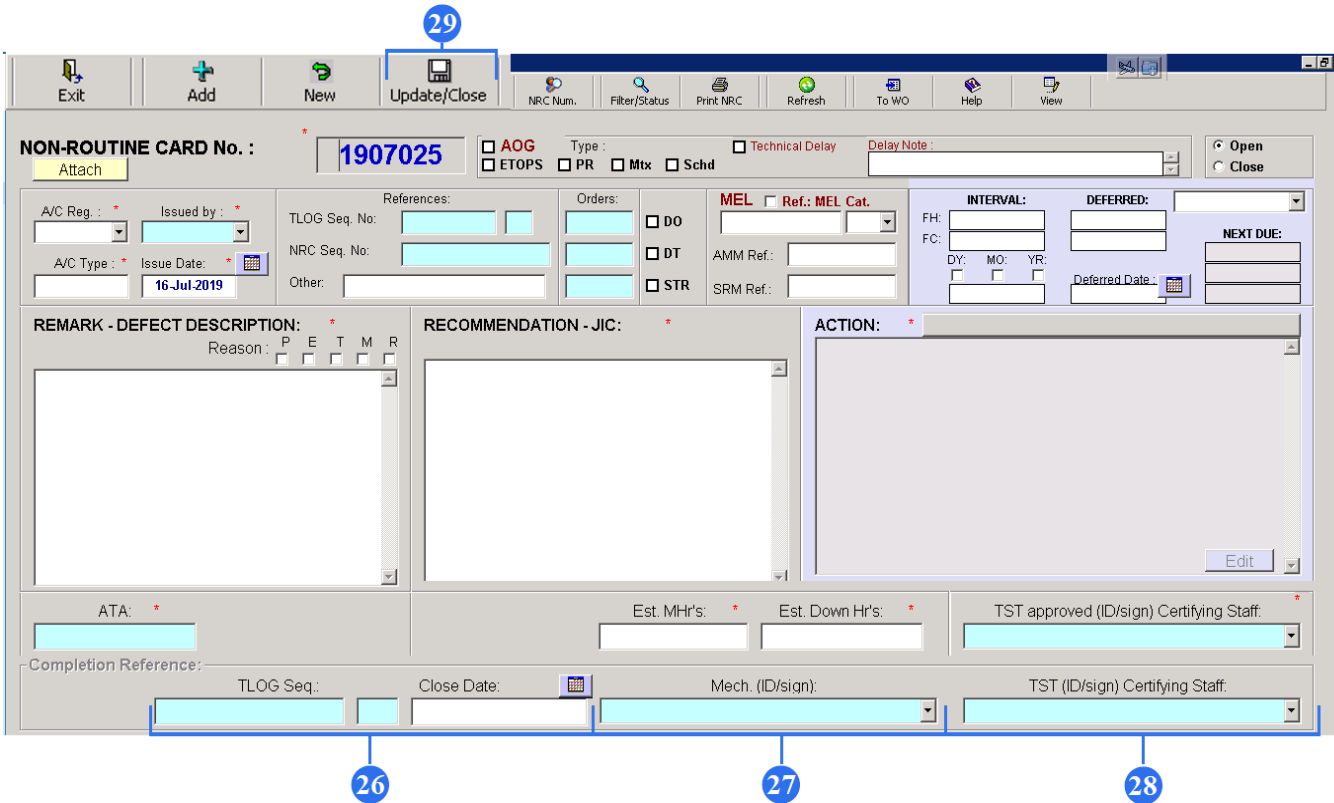


22. You can see the records in the “Action” field.

23. If you want to attach the defect by add information such as picture, W.O. or AMM illustration, push yellow “Attach” button.

24. Select a type of the information.

25. Push the “Attach” button and find this file in your computer memory.



The screenshot shows the 'NON-ROUTINE CARD' form for card number 1907025. The form is divided into several sections:

- Header:** Includes 'Exit', 'Add', 'New', and 'Update/Close' buttons. A callout '29' points to the 'Update/Close' button.
- Card Information:** 'NON-ROUTINE CARD No. : 1907025'. Includes checkboxes for 'AOG', 'ETOPS', 'PR', 'Mtx', and 'Schd'. A 'Type' dropdown is set to 'Technical Delay'. There is a 'Delay Note' field.
- References and Orders:** Fields for 'TLOG Seq. No.', 'NRC Seq. No.', and 'Other:'. Includes checkboxes for 'DO', 'DT', and 'STR'.
- MEL Section:** 'MEL Ref.: MEL Cat.' dropdown, 'AMM Ref.', and 'SRM Ref.' fields.
- Interval and Deferral:** 'INTERVAL' and 'DEFERRED' dropdowns, 'FH' and 'FC' fields, and a 'Deferred Date' calendar.
- Next Due:** 'NEXT DUE' dropdown.
- Remarks and Recommendations:** 'REMARK - DEFECT DESCRIPTION' and 'RECOMMENDATION - JIC' text areas. Includes a 'Reason' dropdown with options P, E, T, M, R.
- Action:** A large text area for 'ACTION:' with an 'Edit' button.
- ATA and Estimation:** 'ATA' field, 'Est. MHR's', and 'Est. Down Hr's' fields.
- Staff Approval:** 'TST approved (ID/sign) Certifying Staff.' dropdown.
- Completion Reference:** 'TLOG Seq.', 'Close Date' (calendar), 'Mech. (ID/sign)', and 'TST (ID/sign) Certifying Staff.' fields. Callouts '26', '27', and '28' point to these fields.

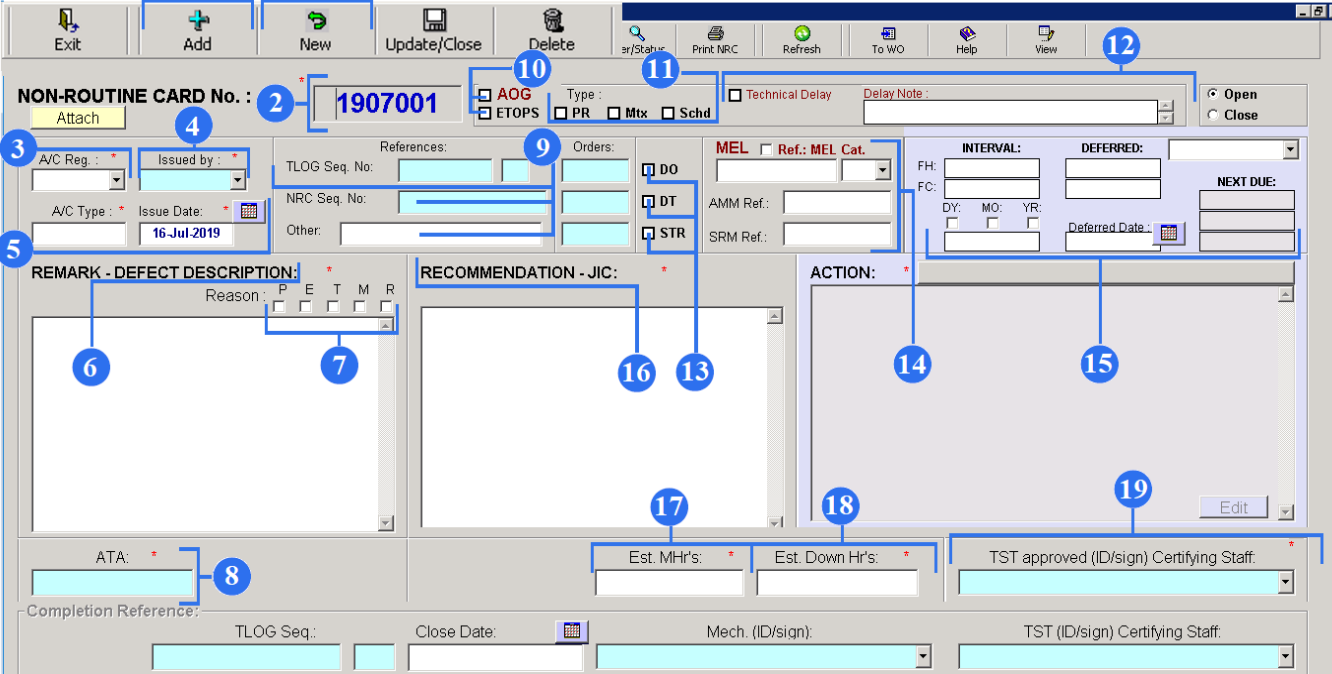
26. Enter a T/L number and its sequences. Use the calendar to select the correct flight date of proper aircraft.

27. Enter mechanical ID number to “Mech.(ID/sign)” field.

28. Enter mechanical ID number to “TST approved (ID/sign) Certifying Staff” field.

29. Push “Update/Close” button on the upper toolbar to confirm update current NRC.

2.2. NRC creation with opening defect using MEL/CDL or other technical documentation.



The screenshot shows the 'NON-ROUTINE CARD' creation screen. Key elements highlighted with callouts include:

- 1:** 'NEW' button in the top toolbar.
- 2:** 'NON-ROUTINE CARD No.' field containing '1907001'.
- 3:** 'A/C Reg.' dropdown menu.
- 4:** 'Issued by' dropdown menu.
- 5:** 'A/C Type' dropdown menu.
- 6:** 'REMARK - DEFECT DESCRIPTION' text area.
- 7:** 'Reason' dropdown menu with options P, E, T, M, R.
- 8:** 'ATA' field.
- 9:** 'References' section with 'TLOG Seq. No.' field.
- 10:** 'AOG' checkbox.
- 11:** 'Type' dropdown menu.
- 12:** 'Print NRC' button.
- 13:** 'RECOMMENDATION - JIC' text area.
- 14:** 'ACTION' text area.
- 15:** 'Interval' and 'Deferred' date pickers.
- 16:** 'Est. MHR's' field.
- 17:** 'Est. Down Hr's' field.
- 18:** 'TST approved (ID/sign) Certifying Staff' dropdown.
- 19:** 'Edit' button.
- 20:** 'Add' button in the top toolbar.

1. To create a new NRC, push “NEW” button on the upper toolbar of the NON – ROUTINE CARD screen.

2. The NRC number will appear automatically. It is unique number which is created by NRC sub - module. It gets rid of duplicate number.

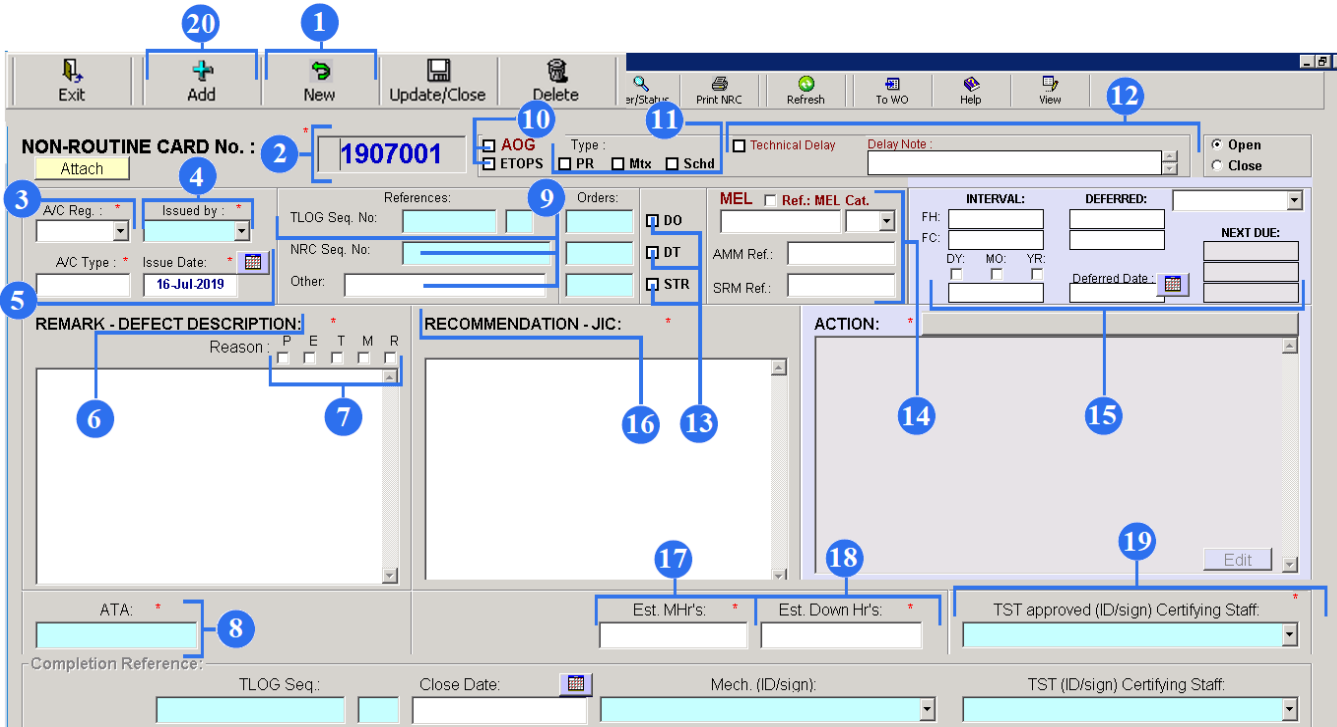
3. Select aircraft registration and aircraft type will automatically appear.

4. Select a mechanical ID number. Click F1 button on your computer keyboard to see more information about mechanical.

5. NRC Editor will automatically generate a today’s date. If the edit date is not today, use the calendar to select the correct flight date of proper aircraft.

6. REMARK field is needed to record all pilot remarks or remarks, that was found during maintenance.

NOTE: Fields with a reference marks (*) are mandatory to fill.



The screenshot shows the 'NON-ROUTINE CARD' form with the following callouts:

- 1: Add button
- 2: NON-ROUTINE CARD No. field (1907001)
- 3: A/C Reg. dropdown
- 4: Issued by dropdown
- 5: A/C Type dropdown
- 6: Reason dropdown in REMARK - DEFECT DESCRIPTION
- 7: Reason buttons (P, E, T, M, R)
- 8: ATA dropdown
- 9: TLOG Seq. No. field
- 10: AOG checkbox
- 11: Type dropdown (PR, Mtx, Schd)
- 12: View button
- 13: Recommendation - JIC text area
- 14: Action text area
- 15: Interval/Deferred date fields
- 16: Recommendation - JIC text area
- 17: Recommendation - JIC text area
- 18: Action text area
- 19: TST approved (ID/sign) Certifying Staff dropdown
- 20: Attach button

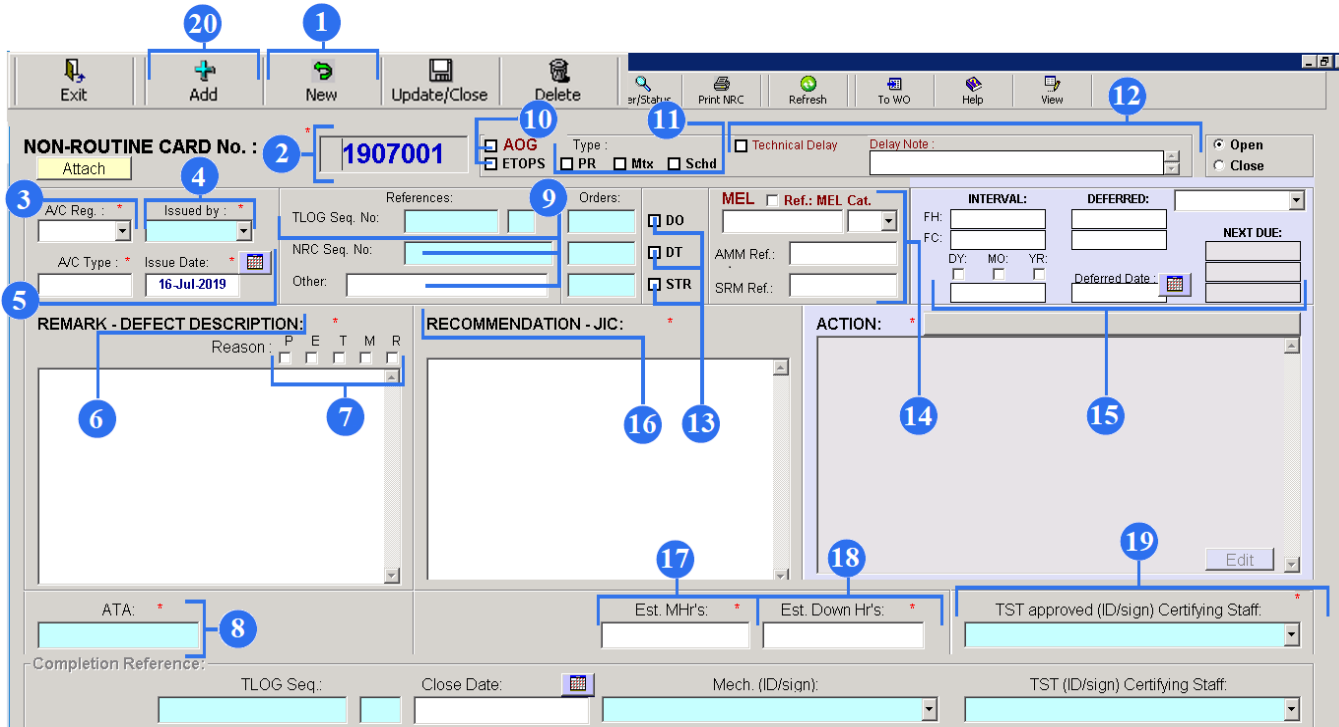
7. Select the reason of the deferred reference creation, where:

- P – pilot remark;
- E – lack of equipment;
- T – lack of time;
- M – lack of material;
- R – lack of resources.

8. Select from ATA catalog correct system chapter number of related remark.

9. Enter a T/L number and its sequences (there are Technical Log Books where the whole page has number, but each reference has item number (sequence), and there are Technical Log Books where the page has references with own numbers, then Seq field is not required).

If you want to tie defect in the actual NRC with defect of the old existing NRC, select in “NRC Seq No” field from the whole list corresponding NRC number. It helps to monitor repeating defect.



The screenshot shows the 'NON-ROUTINE CARD' form in the ALASKAR software. The form is divided into several sections with numbered callouts:

- 1:** 'New' button in the top toolbar.
- 2:** 'NON-ROUTINE CARD No. : 1907001' field.
- 3:** 'Attach' button.
- 4:** 'A/C Reg. : *' dropdown menu.
- 5:** 'A/C Type : *' dropdown menu.
- 6:** 'REMARK - DEFECT DESCRIPTION:' text area.
- 7:** 'Reason: P E T M R' radio buttons.
- 8:** 'ATA: *' field.
- 9:** 'References:' section containing 'TLOG Seq. No.', 'NRC Seq. No.', and 'Other:'.
- 10:** 'AOG' and 'ETOPS' checkboxes.
- 11:** 'PR', 'Mtx', and 'Schd' checkboxes.
- 12:** 'Technical Delay' checkbox and 'Delay Note:' text area.
- 13:** 'RECOMMENDATION - JIC:' text area.
- 14:** 'ACTION:' text area.
- 15:** 'Interval' and 'Deferred' date pickers.
- 16:** 'Est. Mhr's:' field.
- 17:** 'Est. Down Hr's:' field.
- 18:** 'TST approved (ID/sign) Certifying Staff:' dropdown.
- 19:** 'TST (ID/sign) Certifying Staff:' dropdown.
- 20:** 'Add' button in the top toolbar.

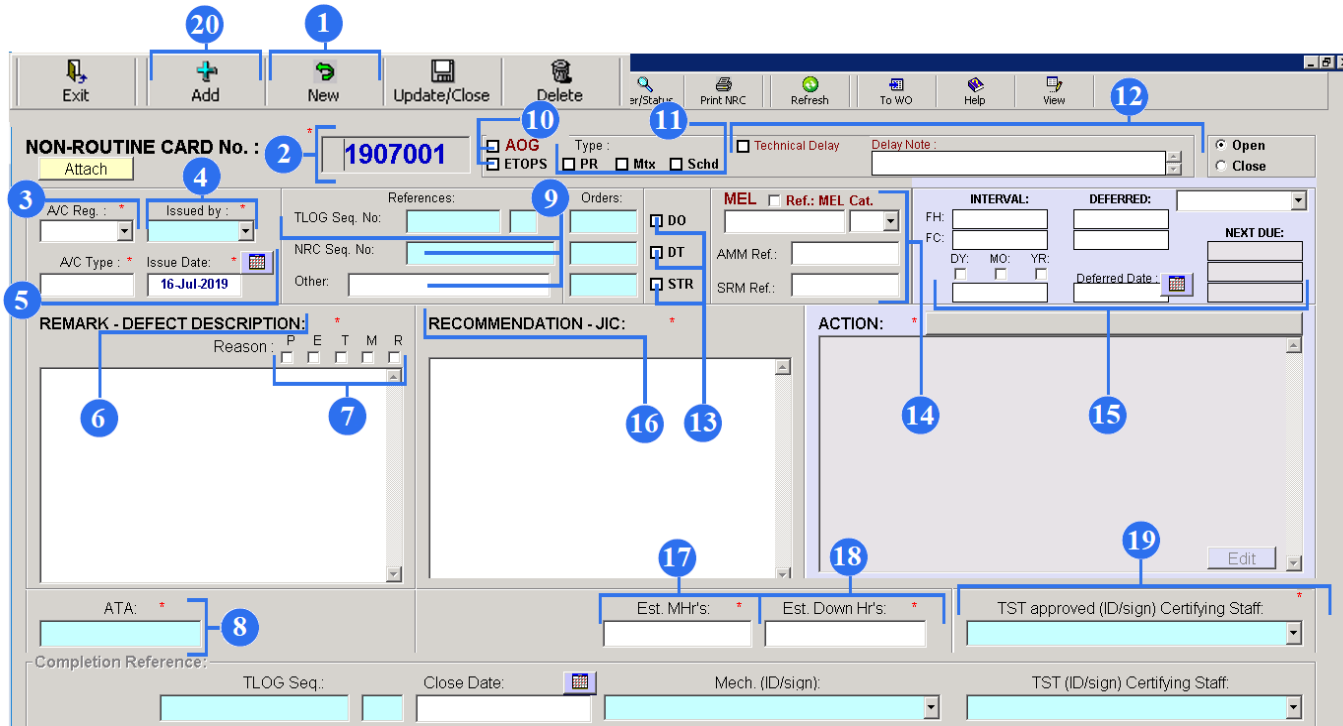
“Other” field is necessary to enter document according to which the action was performed. (for example: work order, work package, operator letter)

10. If it is ETOPS flight, tick the ETOPS field. If there is non-flight defect, tick the AOG field.

11. Tick PR or Mtx or Schd field, where

- PR – Pilot Remarks. Pilot makes report about fault in TLB before departure or after arrival.
- Mtx–Maintenance Remarks. Fault report is made in TLB by maintenance staff.
- Schd–Schedule Remarks. It means defect rectification, or troubleshooting procedure during ground time.

12. If a complaint is serious and an aircraft needs to be delayed due to some technical reasons, tick the ‘Technical Delay’ and make a Delay Note.



The screenshot shows a software interface for a Non-Routine Card (NRC). The form is titled "NON-ROUTINE CARD No. : 1907001". It includes several sections:

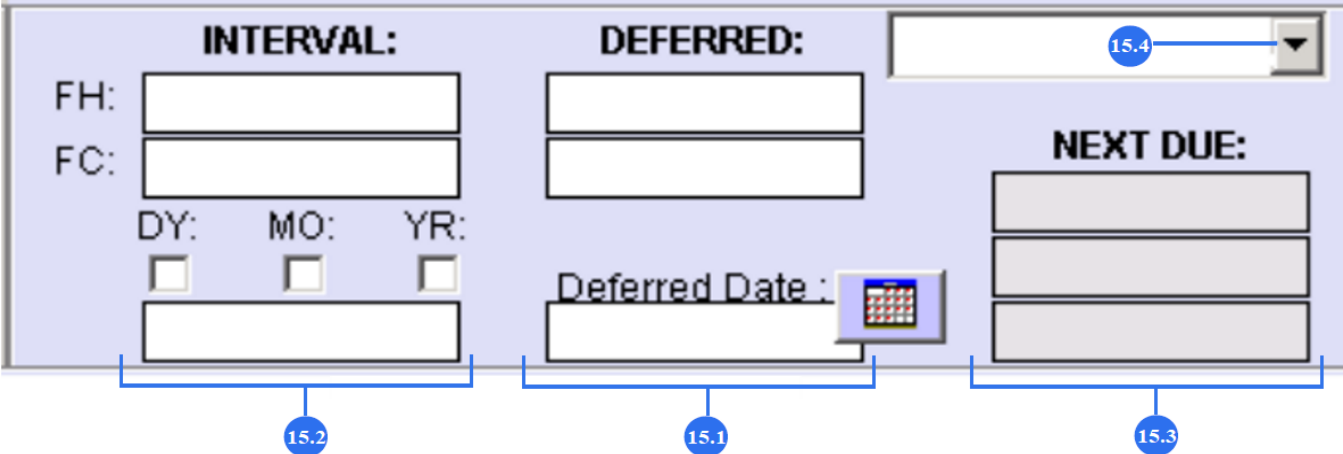
- Header:** Includes "NON-ROUTINE CARD No. : 1907001" and "Attach" button.
- Buttons:** Exit, Add, New, Update/Close, Delete, ar/Step, Print NRC, Refresh, To WO, Help, View.
- Form Fields:**
 - A/C Reg. (3), Issued by (4), A/C Type (5), Issue Date (16-Jul-2019).
 - References: TLOG Seq. No., NRC Seq. No., Other.
 - Orders: DO, DT, STR.
 - MEL (checked), Ref.: MEL Cat. (9).
 - AMM Ref., SRM Ref.
 - Interval: FH, FC, DY, MO, YR.
 - Deferred: Deferred Date.
 - Next Due.
- Text Areas:**
 - REMARK - DEFECT DESCRIPTION: Reason (6), P E T M R (7).
 - RECOMMENDATION - JIC: (16, 13, 17).
 - ACTION: (14, 15, 18, 19).
- Footer:**
 - ATA: (8)
 - Est. MHR's, Est. Down Hr's.
 - TST approved (ID/sign) Certifying Staff. (19)
 - Completion Reference: TLOG Seq., Close Date, Mech. (ID/sign), TST (ID/sign) Certifying Staff.

13. Select status of defect, where:

- DO– deferred operation;
- DT – deferred technical
- STR – structural.

14. Tick the MEL field, write in MEL item and select MEL category (from A to D). If the defect is opened in accordance with other technical documentation such as AMM, SRM, FIM, TSM or operator letter, select N/A category. Further type the technical documentation reference.

15. This section is required to set deadlines of defects. Also, it permits to enter interval of inspection and it allows to defer the defect until the next heavy maintenance.



The screenshot shows a maintenance form with three main sections: INTERVAL, DEFERRED, and NEXT DUE. The INTERVAL section includes fields for FH, FC, and a date selection (DY, MO, YR) with checkboxes. The DEFERRED section includes a text field and a 'Deferred Date' field with a calendar icon. The NEXT DUE section includes a dropdown menu (callout 15.4) and three stacked text input fields. Brackets and callouts 15.1, 15.2, and 15.3 are positioned below the DEFERRED, INTERVAL, and NEXT DUE sections respectively.

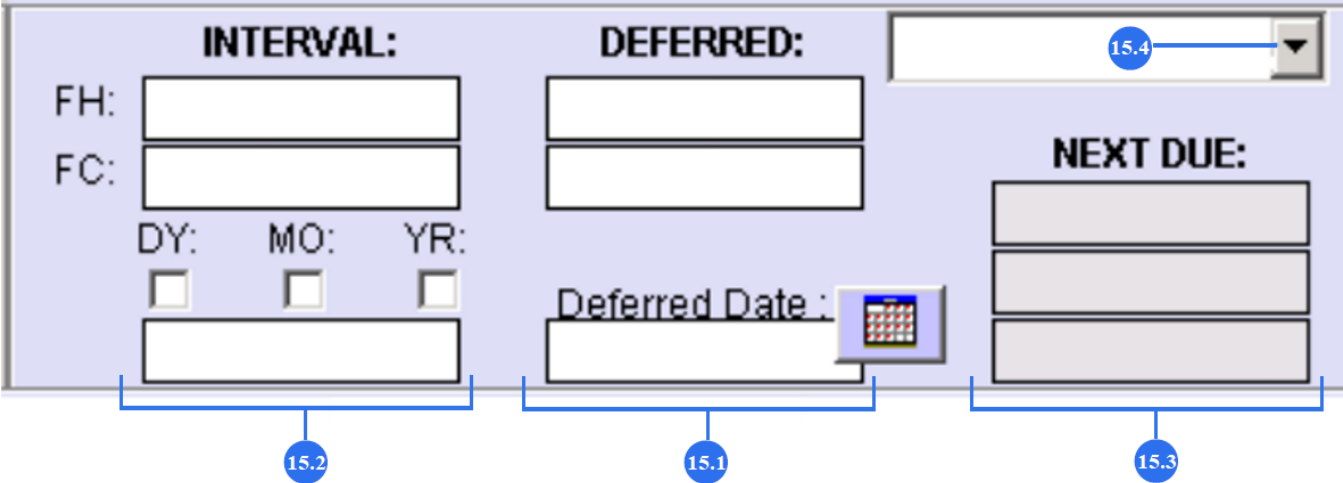
15.1. If you open a defect accordance to MEL or CDL, set a dead line using Calendar button (deferred date field).

If the dead line does not depend on MEL category, but it depends on amount of the flight hours or flight cycles detected in other technical documentation (for example AMM, FIM, SRM) use “DEFERRED” column to set corresponding dead line. Give an example.

SRM offers to defer the dent repair for 1500 FH. You must add 1500 FH to total flight hours, and enter this result in the first line of the “DEFERRED” column. It is the same with flight cycles.

Give the second example.

You open the defect accordance to operator letter for 5 days. Use calendar button (Deferred Date field) to set dead line.



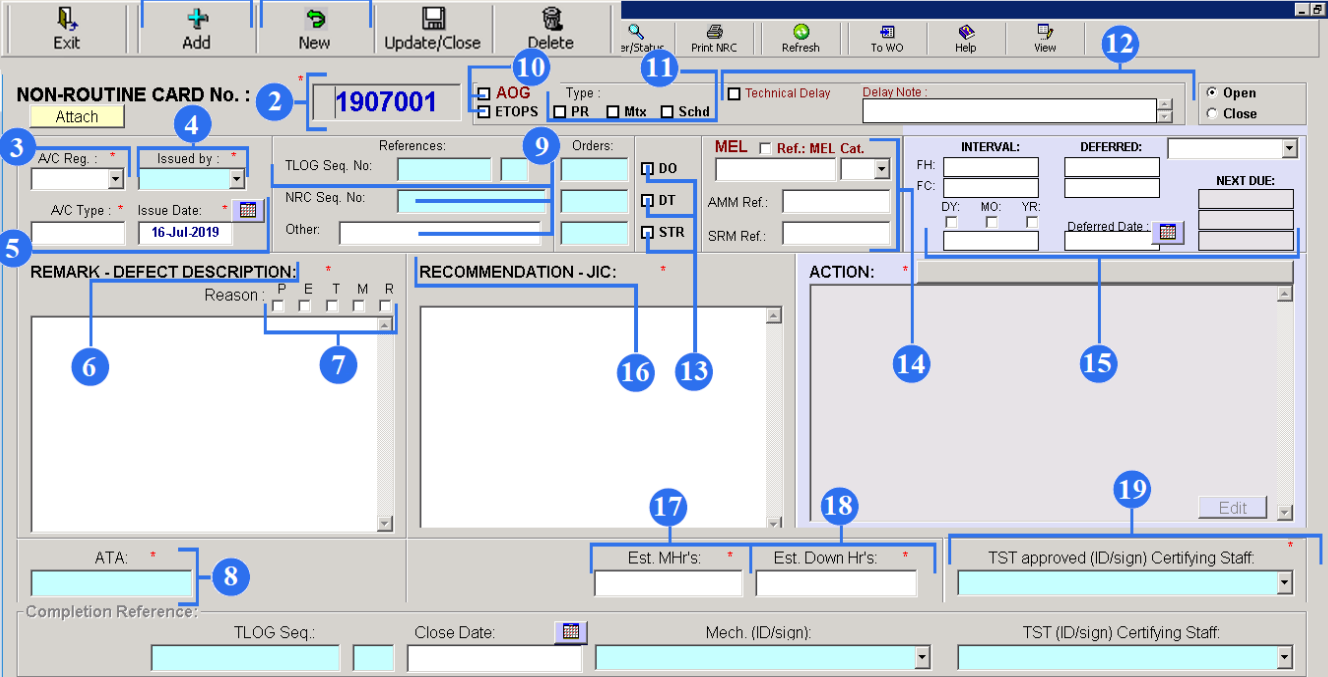
The screenshot shows a maintenance form with three main sections: INTERVAL, DEFERRED, and NEXT DUE. The INTERVAL section includes fields for FH, FC, and a date selection (DY, MO, YR) with checkboxes. The DEFERRED section includes a text input field and a 'Deferred Date' field with a calendar icon. The NEXT DUE section includes three stacked text input fields. A dropdown menu is located above the NEXT DUE section, with a callout 15.4 pointing to it. Callouts 15.1, 15.2, and 15.3 are also present, pointing to the DEFERRED, INTERVAL, and NEXT DUE sections respectively.

15.2. "INTERVAL" column is used only to set interval inspection of damage within corresponding dead line.

Give an example.

SRM suggests to defer the cargo floor puncture for 1500 FH and to install high speed tape. But within 1500 FH it is necessary to check high speed tape condition every 100 FH. In this case you must add 1500 FH to total flight hours, and enter this result in the first line of the "DEFERRED" column. And you must enter 100 FH in the first line of the INTERVEL column. After it you can see data of the next due. (see figure 15.3)

15.4. If you open a defect until the next heavy maintenance push on the button with triangle and select corresponding maintenance.



The screenshot shows a software interface for a 'NON-ROUTINE CARD'. The form is divided into several sections:

- Header:** Includes buttons for 'Exit', 'Add', 'New', 'Update/Close', 'Delete', 'Print NRC', 'Refresh', 'To WO', 'Help', and 'View'.
- Card Information:** 'NON-ROUTINE CARD No. : 1907001'. Includes checkboxes for 'AOG', 'ETOPS', 'PR', 'Mtx', and 'Schd'. A 'Type' dropdown and a 'Technical Delay' checkbox are also present.
- References and Orders:** Fields for 'TLOG Seq. No.', 'NRC Seq. No.', and 'Other:'. Includes checkboxes for 'DO', 'DT', and 'STR'.
- Interval and Deferred:** Fields for 'INTERVAL' (FH, FC) and 'DEFERRED' (DY, MO, YR, Deferred Date).
- Remark - Defect Description:** A large text area with a 'Reason' dropdown (P, E, T, M, R) and a 'REMARK - DEFECT DESCRIPTION' label.
- Recommendation - JIC:** A large text area with a 'RECOMMENDATION - JIC' label.
- Action:** A large text area with an 'ACTION:' label.
- ATA and Estimation:** Fields for 'ATA:', 'Est. Mhr's', and 'Est. Down Hr's'.
- Approval:** A dropdown for 'TST approved (ID/sign) Certifying Staff.'.
- Completion Reference:** Fields for 'TLOG Seq.', 'Close Date', 'Mech. (ID/sign)', and 'TST (ID/sign) Certifying Staff.'.

Numbered callouts (1-20) point to specific elements: 1 (Add button), 2 (Card No. field), 3 (A/C Reg. dropdown), 4 (Issued by dropdown), 5 (Issue Date field), 6 (Remark text area), 7 (Reason dropdown), 8 (ATA field), 9 (TLOG Seq. No. field), 10 (AOG checkbox), 11 (Type dropdown), 12 (View button), 13 (Recommendation text area), 14 (Action text area), 15 (Deferred Date field), 16 (Remark text area), 17 (Est. Mhr's field), 18 (Est. Down Hr's field), 19 (TST approved dropdown), and 20 (Add button).

16. RECOMENDATION field is needed to record all recommendation for maintenance such as documentation references, or maintenance limitation.

JIC – Job Instruction Card.

17. Enter estimated man hours (Est. Mhr's).

18. Enter estimated down hours (Est. Down Hr's)

19. Enter mechanical ID number to “TST approved (ID/sign) Certifying Staff” field.

20. Push “Add” button to confirm transfer current NRC to PART – M Planning Module as a new task for completion.

NON-ROUTINE CARD

NON-ROUTINE CARD No. : **1907024** AOG Type : Technical Delay Delay Note :

ETOPS PR Mtx Schd

A/C Reg. : * Issued by : *
 VP-BCH B124
 TLOG Seq. No: 123456
 NRC Seq. No:

A/C Type : * Issue Date : *
 B747 400F 16-Jul-2019
 Other:

References: Orders: DO DT STR
 MEL Ref.: MEL Cat. AMM Ref.: SRM Ref.:

INTERVAL: DEFERRED: NEXT DUE:
 FH: FC: DY: MO: YR: Deferred Date:

REMARK - DEFECT DESCRIPTION: * Reason: P E T M R
 LAMP IS NO ILLUMINATED

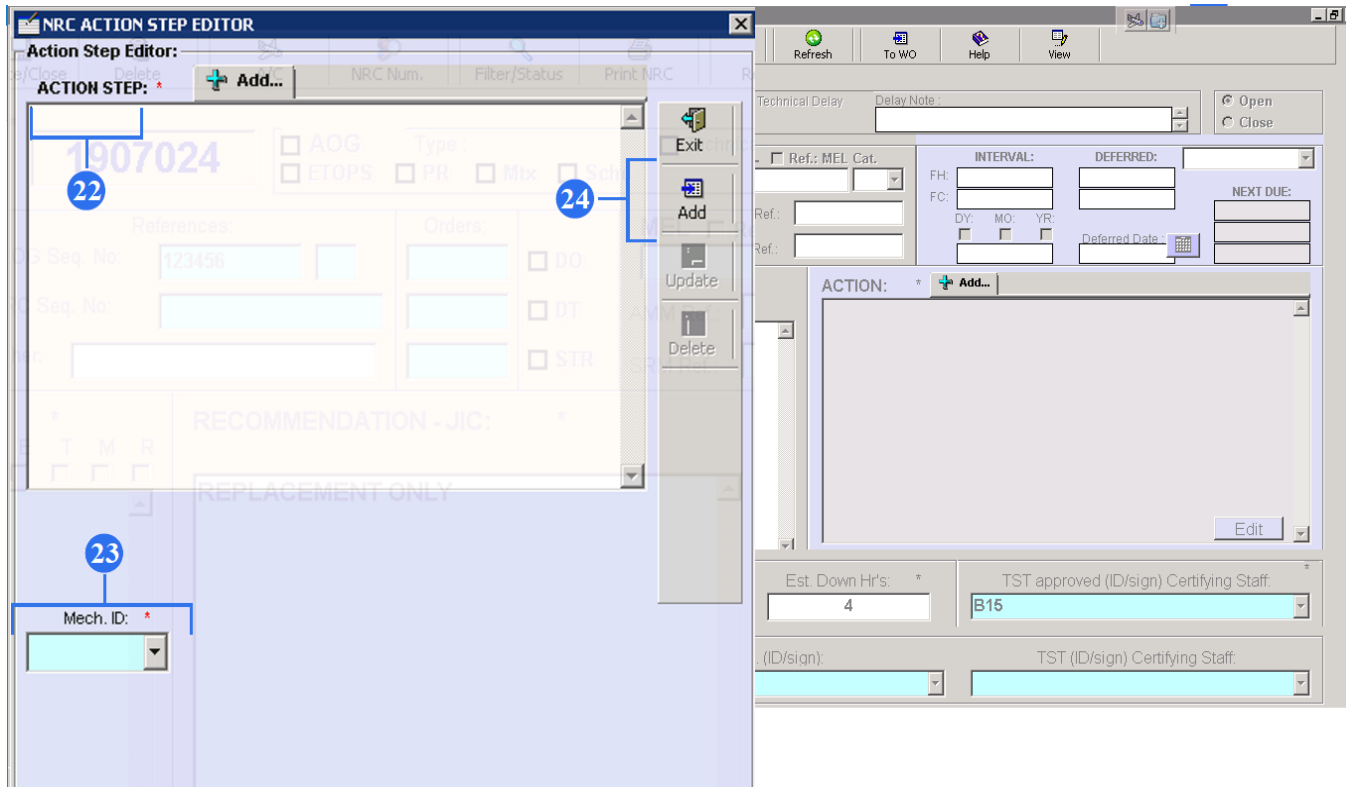
RECOMMENDATION - JIC: *
 REPLACEMENT ONLY

ACTION: **21**

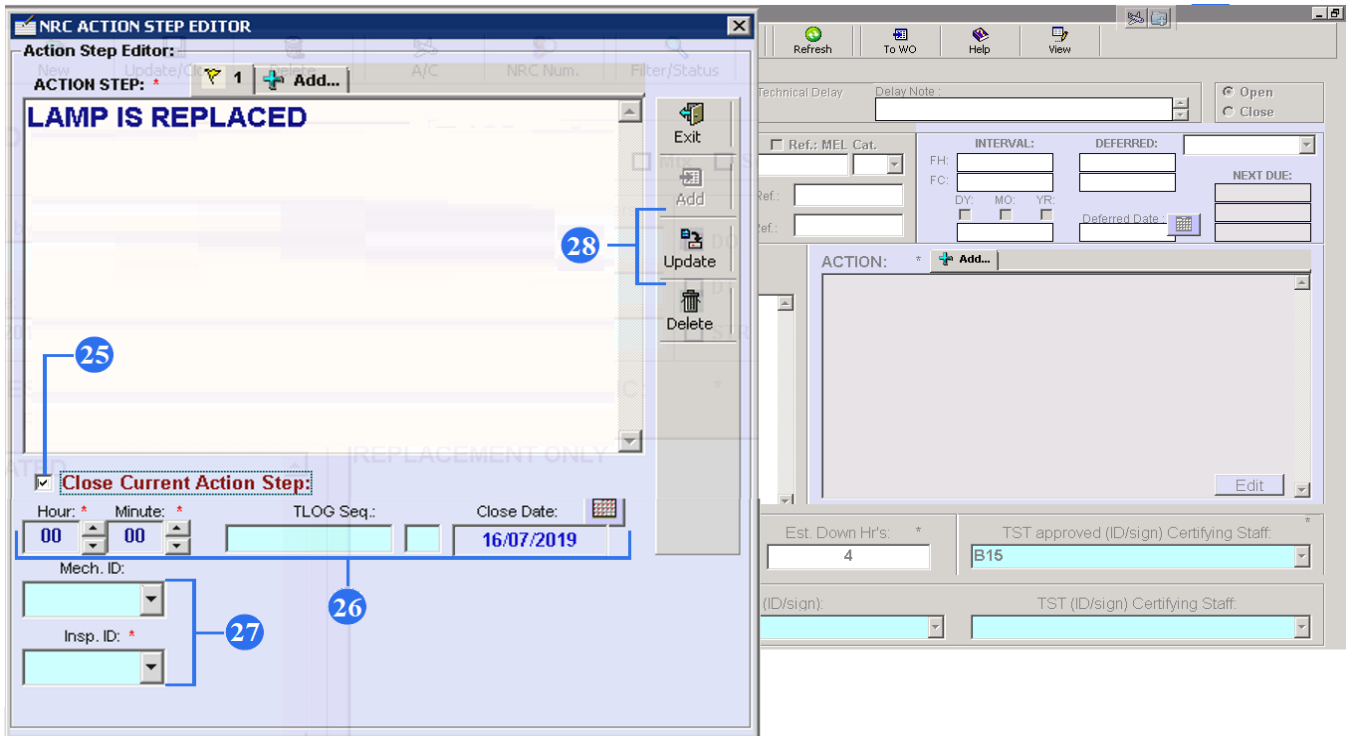
ATA: * 33-32 Est. Mhr's: * 4 Est. Down Hr's: * 4 TST approved (ID/sign) Certifying Staff: * B15

Completion Reference: TLOG Seq.: Close Date: Mech. (ID/sign): TST (ID/sign) Certifying Staff:

21. To record all actions taken by maintenance staff push ADD button, and NRC Action Step Editor will open.



- 22. Enter all actions taken by maintenance staff.
- 23. Enter mechanical ID number to “MECH ID” field.
- 24. Push “Add” button to confirm new add action.



25. Tick the “Close Current Action Step” field.

26. Enter hours and minutes to display the total work time of the maintenance staff. Type the TLOG number and select the related date.

27. Enter mechanical ID number and Inspector ID number.

28. Push the “Update” button to confirm close action step.

NON-ROUTINE CARD No. : 1907024
Attach 30
Type: AOG, ETOPS, PR, Mtx, Schd, Technical Delay
TLOG Seq. No: 123456
ACTION: 1 Add... 29
TBS IS PFMD I.A.W. FIM 51-45 TASK 801.
TEST IS NOT OK
Issued By: B121; Date: 16/07/2019
Closed: 16/07/2019; TLOG:
Mechanic: B122
Inspector: B17
Man-Hours: 500:0
Type: 31
Attachments Links: No Attachments were found!
Attach 32
Close

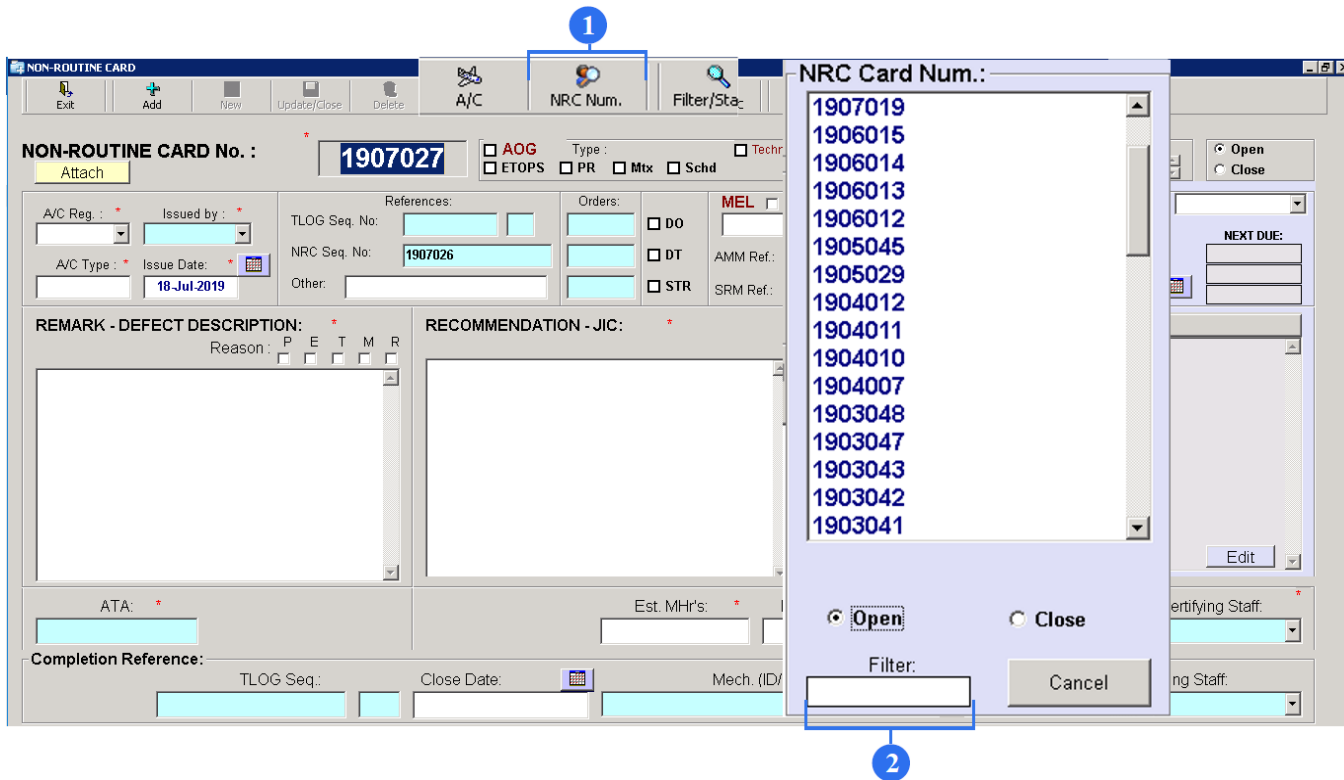
29. You can see the records in the “Action” field.

30. If you want to attach the defect by add information such as picture, W.O. or AMM illustration, push yellow “Attach” button.

31. Select a type of the information.

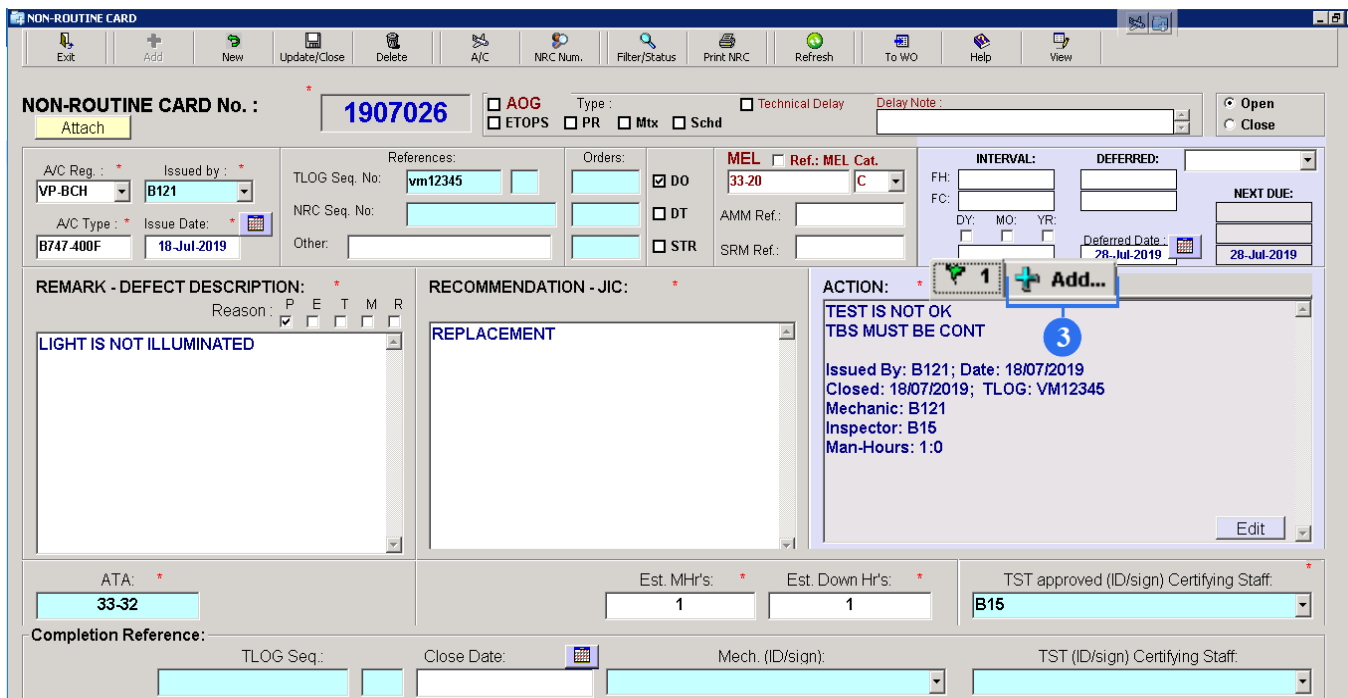
32. Push the “Attach” button and find this file in your computer memory.

2.3. NRC creation with closing deferred defect.



1. Push “NRC Num.” button on the upper toolbar, NRC Card Num will open.

2. Enter the NRC number according to which the defect was opened. Click two times on the NRC number.



NON-ROUTINE CARD No. : 1907026

A/C Reg. : VP-BCH **Issued by :** B121

TLOG Seq. No. : vm12345 **MEL :** 33.20 **Ref: MEL Cat. :** C

Interval : 28-Jul-2019 **Next Due :** 28-Jul-2019

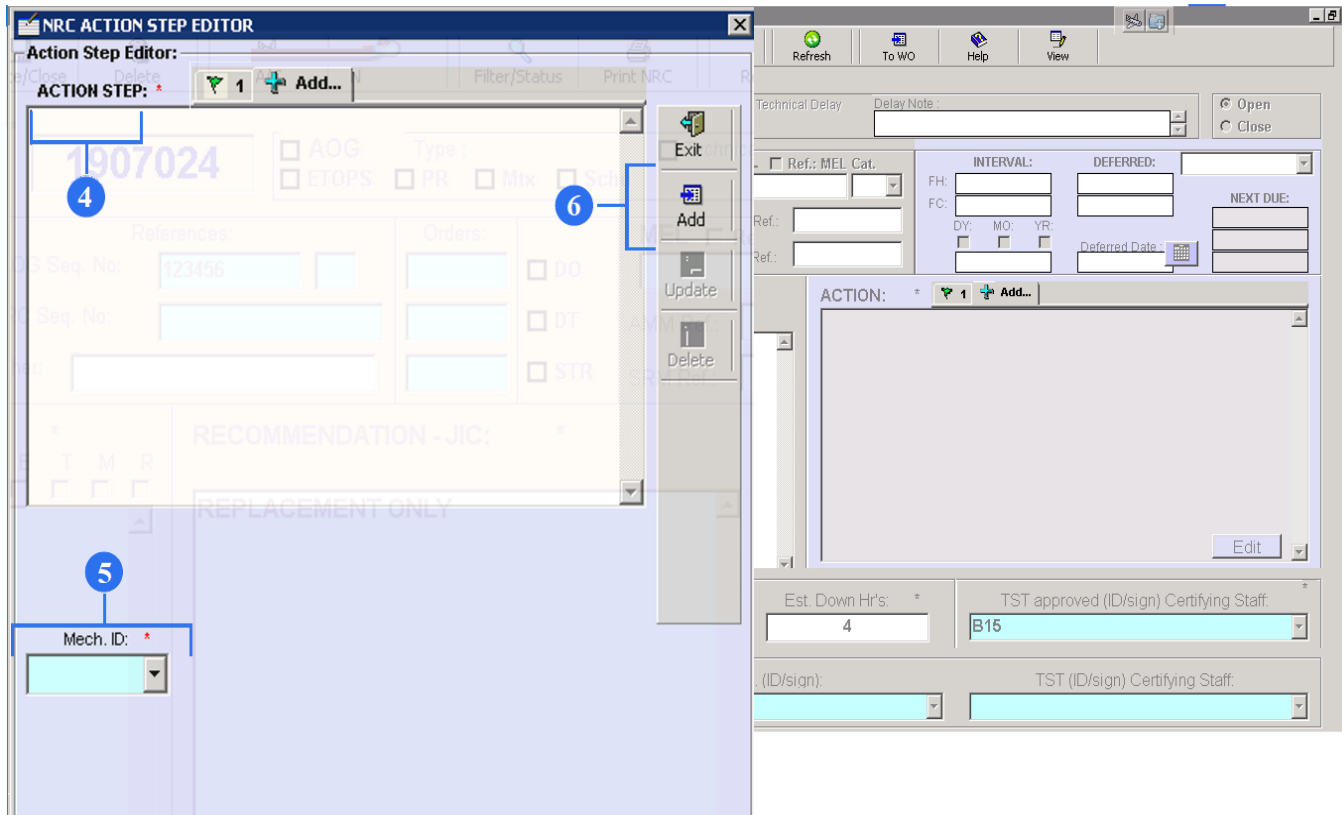
REMARK - DEFECT DESCRIPTION : LIGHT IS NOT ILLUMINATED

RECOMMENDATION - JIC : REPLACEMENT

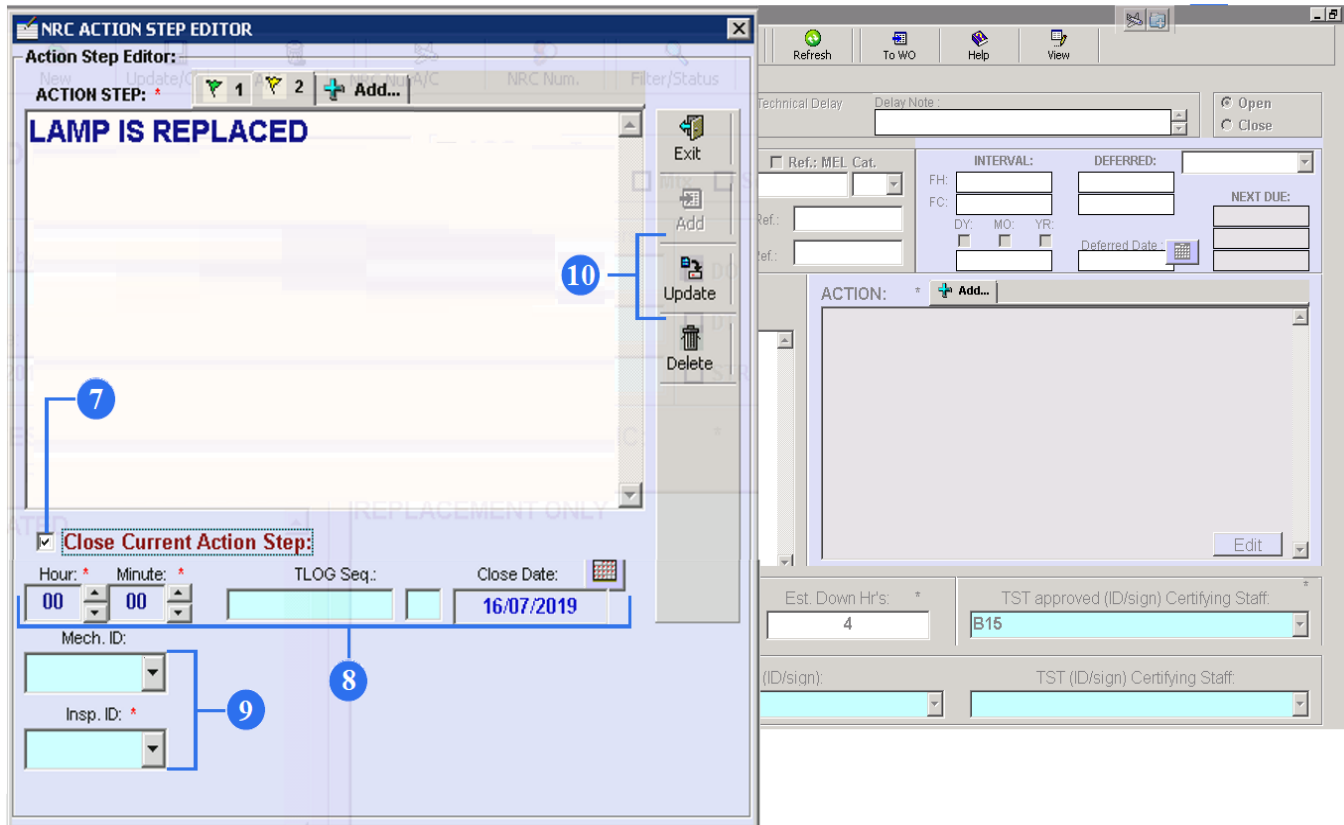
ACTION : TEST IS NOT OK TBS MUST BE CONT
Issued By: B121; Date: 18/07/2019
Closed: 18/07/2019; TLOG: VM12345
Mechanic: B121
Inspector: B15
Man-Hours: 1:0

ATA : 33-32 **Est. MHR's :** 1 **Est. Down Hr's :** 1 **TST approved (ID/sign) Certifying Staff. :** B15

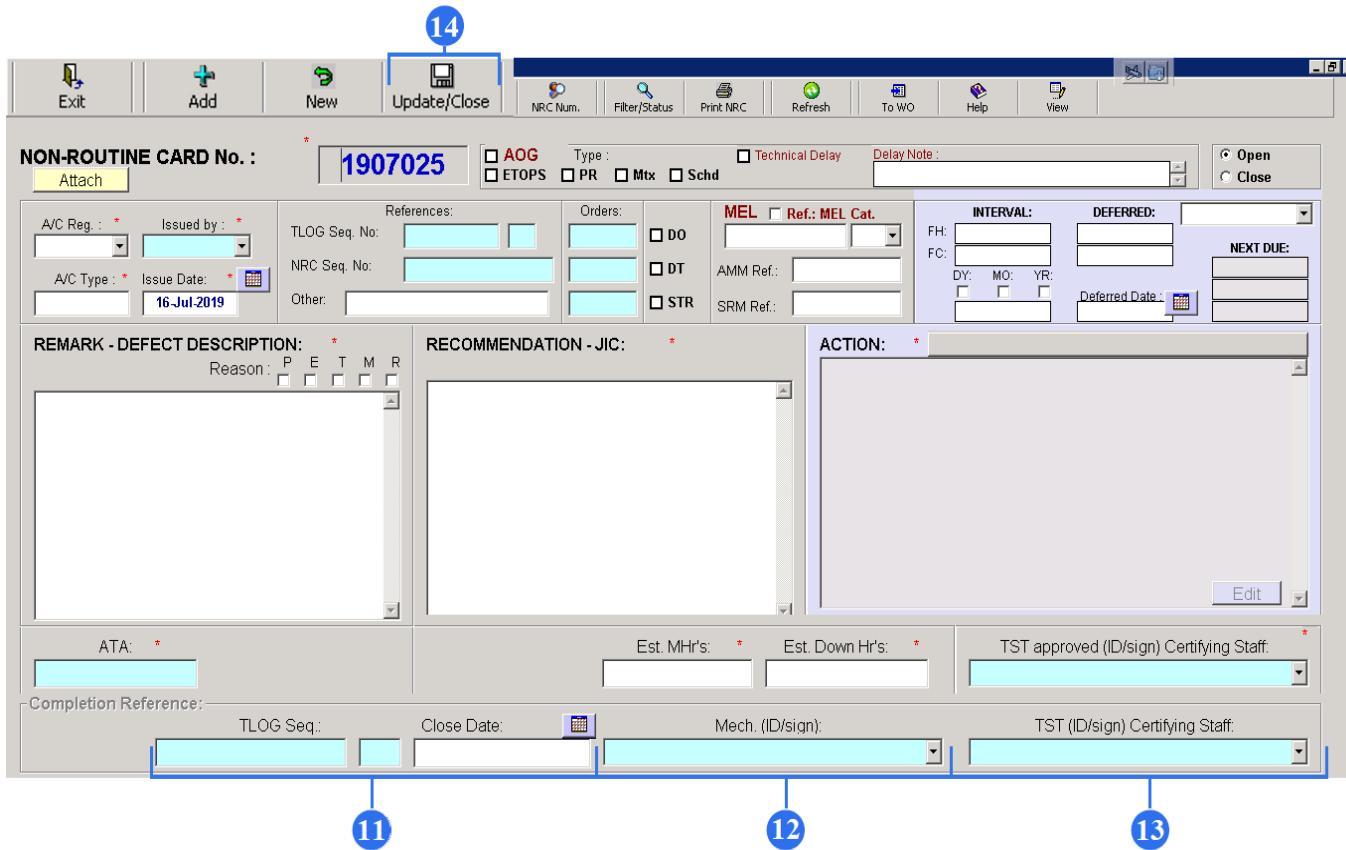
3. On the “Action” field push “Add” button to make record of maintenance action.



4. Enter all actions taken by maintenance staff.
5. Enter mechanical ID number to “MECH ID” field.
6. Push “Add” button to confirm new add action.



7. Tick the “Close Current Action Step” field.
8. Enter hours and minutes to display the total work time of the maintenance staff. Type the TLOG number and select the related date.
9. Enter mechanical ID number and Inspector ID number.
10. Push the “Update” button to confirm close action step.



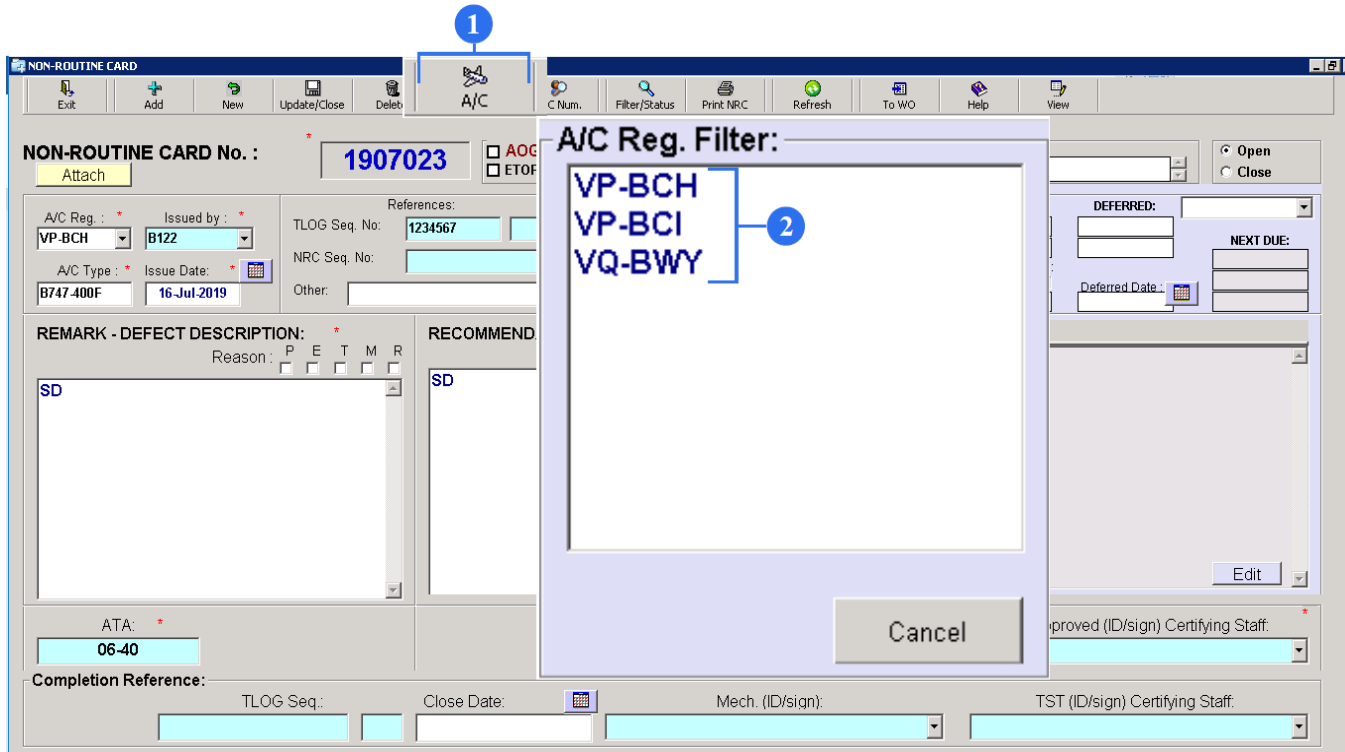
11. Enter a T/L number and its sequences. Use the calendar to select the correct flight date of proper aircraft.

12. Enter mechanical ID number to “Mech.(ID/sign)” field.

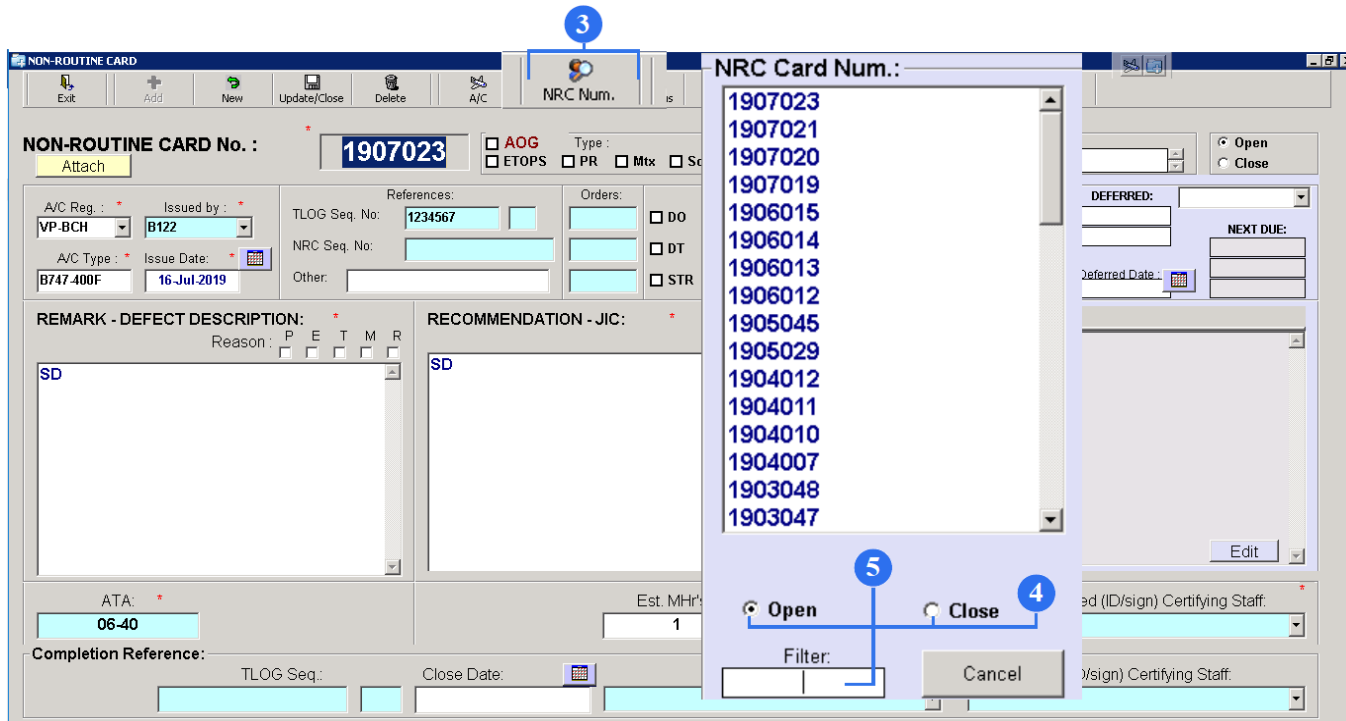
13. Enter mechanical ID number to “TST approved (ID/sign) Certifying Staff” field.

14. Push “Update/Close” button on the upper toolbar to confirm update current NRC. Current NRC will be terminated in PART -M Planning Module

3. NRC toolbar overview.



1. If you want to create new NRC with other A/C registration number, no need to exit from NRC submodule and re-enter. Push “AC Select” button.
2. From the whole list highlight other A/C registration and click two times.

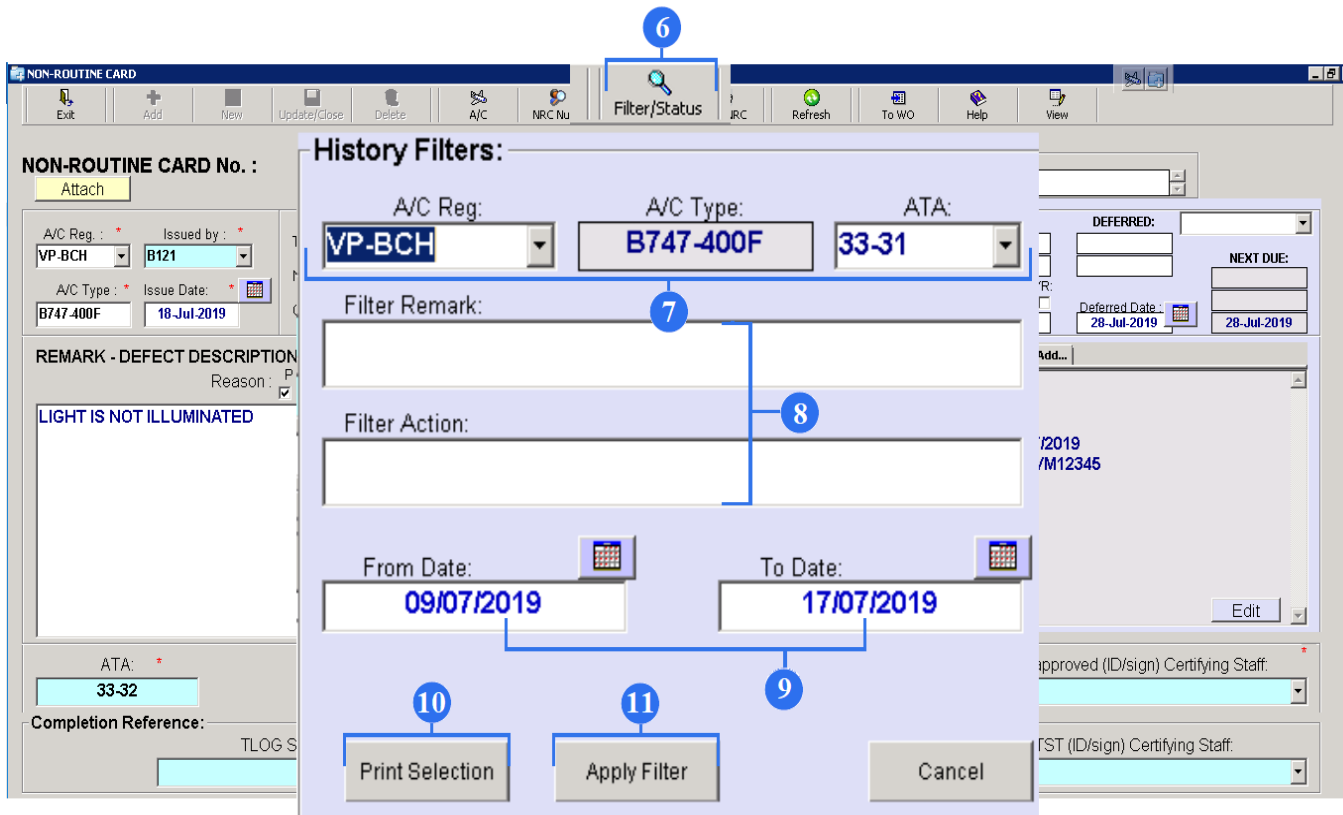


3. Push “NRC Num.” button on the upper toolbar, NRC Card Num will open.

4. Use filters to select open or close NRC.

5. Enter the NRC number according to which the defect was opened or was closed. Click two times on the NRC number.

NRC screen with related number will open.



6. If you want to find any necessary information by using history filters click on the “Filter/Status” button.

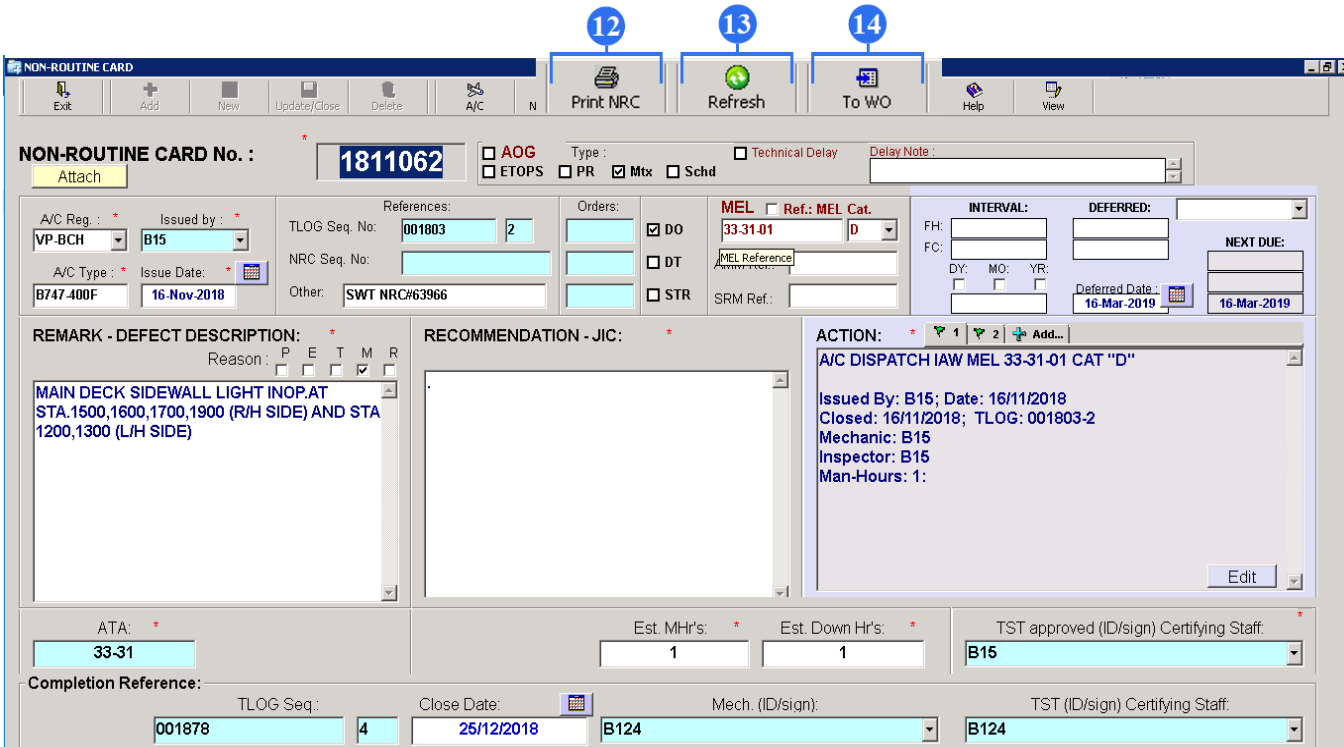
7. Select A/C registration and ATA number.

8. Use Remark and Action filters to find NRC to find by words.

9. Select time interval.

10 Push “Print Selection” button if you want to print data.

11. Push “Apply Filter” button to open NRC data.



12. If you want to print current push “Print NRC” button.

13. If you want to refresh NRC screen during NRC creating push “Refresh” button.

14. After completion of the NRC creation with MEL you can push “WO” on the toolbar to make work order for defect rectification. It is comfortable if you use LSM (Line Station Maintenance) module. After click of “WO” button work order will display in the LSM module where you can print it and issue to work.

15

NON-ROUTINE CARD

NON-ROUTINE CARD No. : **1811062** AOG Type : Technical Delay Delay Note :

ETOPS PR Mtx Schd

A/C Reg. : **VP-BCH** Issued by : **B15** TLOG Seq. No. : **001803** 2 Orders: DO DT STR

A/C Type : **B747-400F** Issue Date : **16-Nov-2018** Other: **SWT NRC#63966** SRM Ref.:

MEL Ref: MEL Cat. **33-31-01** D FH: INTERVAL: DEFERRED: NEXT DUE:

FC: DY: MO: YR: Deferred Date: **16-Mar-2019**

REMARK - DEFECT DESCRIPTION: **MAIN DECK SIDEWALL LIGHT INOP.AT STA.1500,1600,1700,1900 (R/H SIDE) AND STA 1200,1300 (L/H SIDE)**

RECOMMENDATION - JIC:

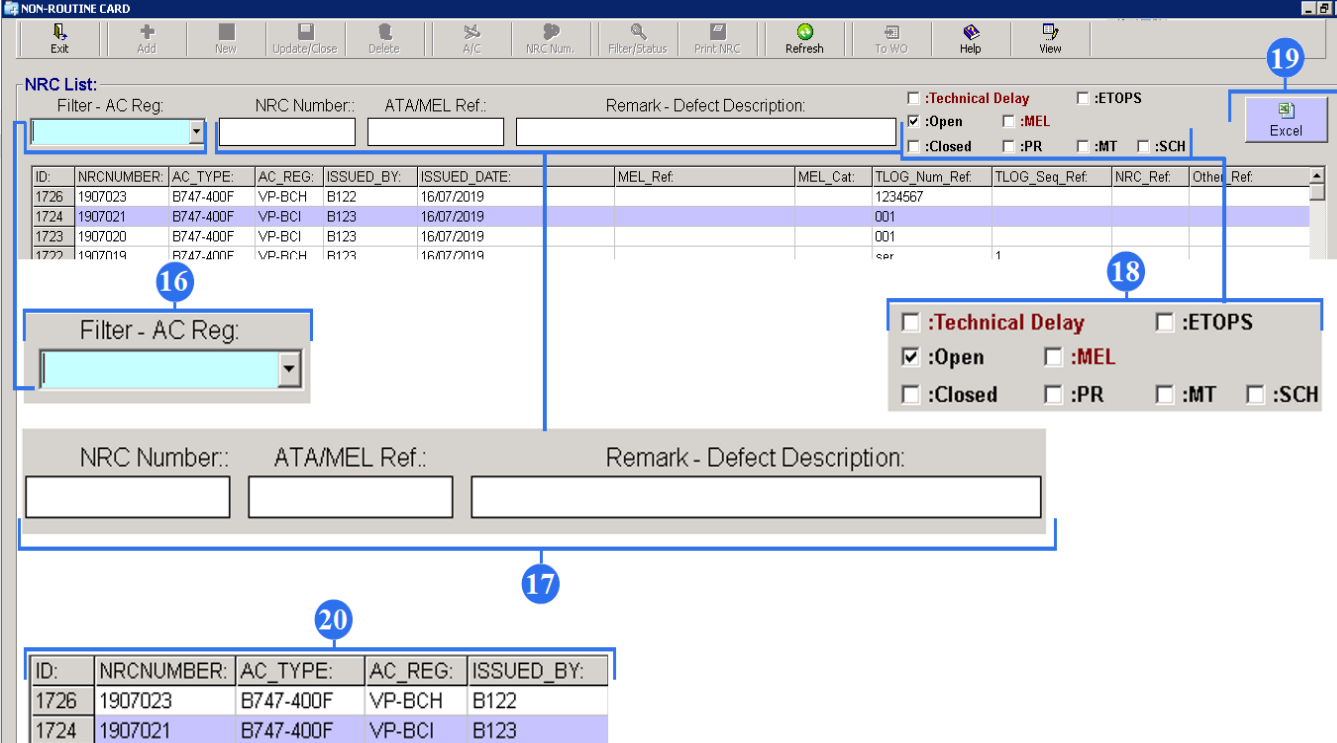
ACTION: **A/C DISPATCH IAW MEL 33-31-01 CAT "D"**

Issued By: B15; Date: 16/11/2018
Closed: 16/11/2018; TLOG: 001803-2
Mechanic: B15
Inspector: B15
Man-Hours: 1:

ATA: **33-31** Est. Mh's: **1** Est. Down Hr's: **1** TST approved (ID/sign) Certifying Staff: **B15**

Completion Reference: TLOG Seq.: **001878** 4 Close Date: **25/12/2018** Mech. (ID/sign): **B124** TST (ID/sign) Certifying Staff: **B124**

15. To monitor absolutely all creating NRC you can click on the “View” on the upper toolbar and NRC list will open.



The screenshot shows the 'NON-ROUTINE CARD' application window. At the top is a menu bar with options: Exit, Add, New, Update/Close, Delete, A/C, NRC Num., Filter/Status, Print NRC, Refresh, To WO, Help, and View. Below the menu bar is the 'NRC List' section, which includes search filters for AC Reg, NRC Number, ATA/MEL Ref, and Remark - Defect Description. There are also checkboxes for status filters: Technical Delay, ETOPS, Open, MEL, Closed, PR, MT, and SCH. A table lists NRC records with columns: ID, NRCNUMBER, AC_TYPE, AC_REG, ISSUED_BY, ISSUED_DATE, MEL_Ref, MEL_Cat, TLOG_Num_Ref, TLOG_Seq_Ref, NRC_Ref, and Other Ref. A callout '16' points to the 'Filter - AC Reg' dropdown. A callout '17' points to the search input fields. A callout '18' points to the status filter checkboxes. A callout '19' points to the 'Excel' button. A callout '20' points to a smaller table at the bottom of the screen.

ID	NRCNUMBER	AC_TYPE	AC_REG	ISSUED_BY	ISSUED_DATE	MEL_Ref	MEL_Cat	TLOG_Num_Ref	TLOG_Seq_Ref	NRC_Ref	Other Ref
1726	1907023	B747-400F	VP-BCH	B122	16/07/2019			1234567			
1724	1907021	B747-400F	VP-BCI	B123	16/07/2019			001			
1723	1907020	B747-400F	VP-BCI	B123	16/07/2019			001			
1722	1907019	B747-400F	VP-BCH	B123	16/07/2019			001	1		

ID	NRCNUMBER	AC_TYPE	AC_REG	ISSUED_BY
1726	1907023	B747-400F	VP-BCH	B122
1724	1907021	B747-400F	VP-BCI	B123

16. Select aircraft registration.

17. You can find the definite NRC using NRC number or ATA/MEL number, also you can use the text from the REMARK field.

18. Use these filters to accurate find NRC.

19. To transfer save NRC to excel, push "Excel" button.

20. To make changes to any saved NRC, move the cursor over the selected line and click on two times. Editor window will appear.

Editor:

Type : PR Mbx Schd :Unconfirmed Failure

Technical Delay : Delay Note :

21

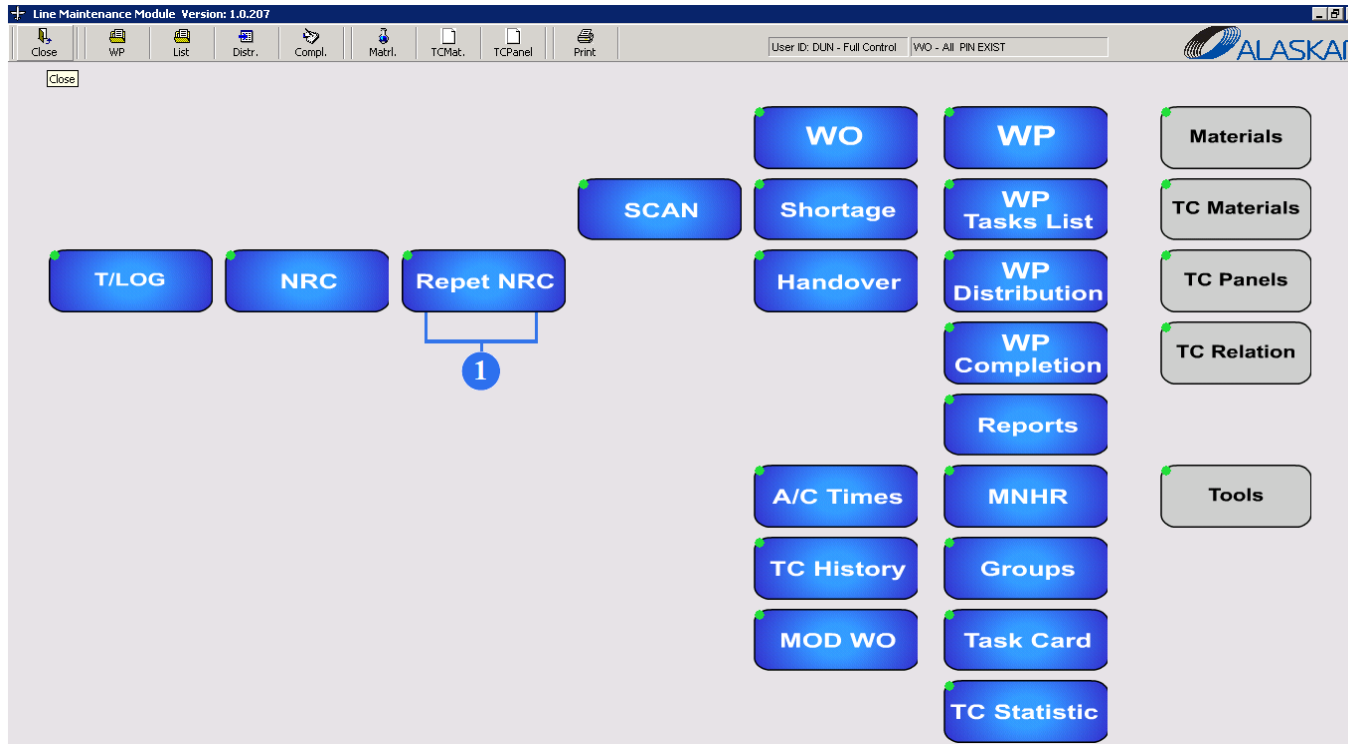
21. You can use different ticks or “Delay Note” field to make a change and push “Save” button, but to change other NRC fields click on the “to Editor” to transfer to NRC screen. Make a change and push the “Update” button on the upper screen to save changes.

“Cancel” button is needed to close Editor window.

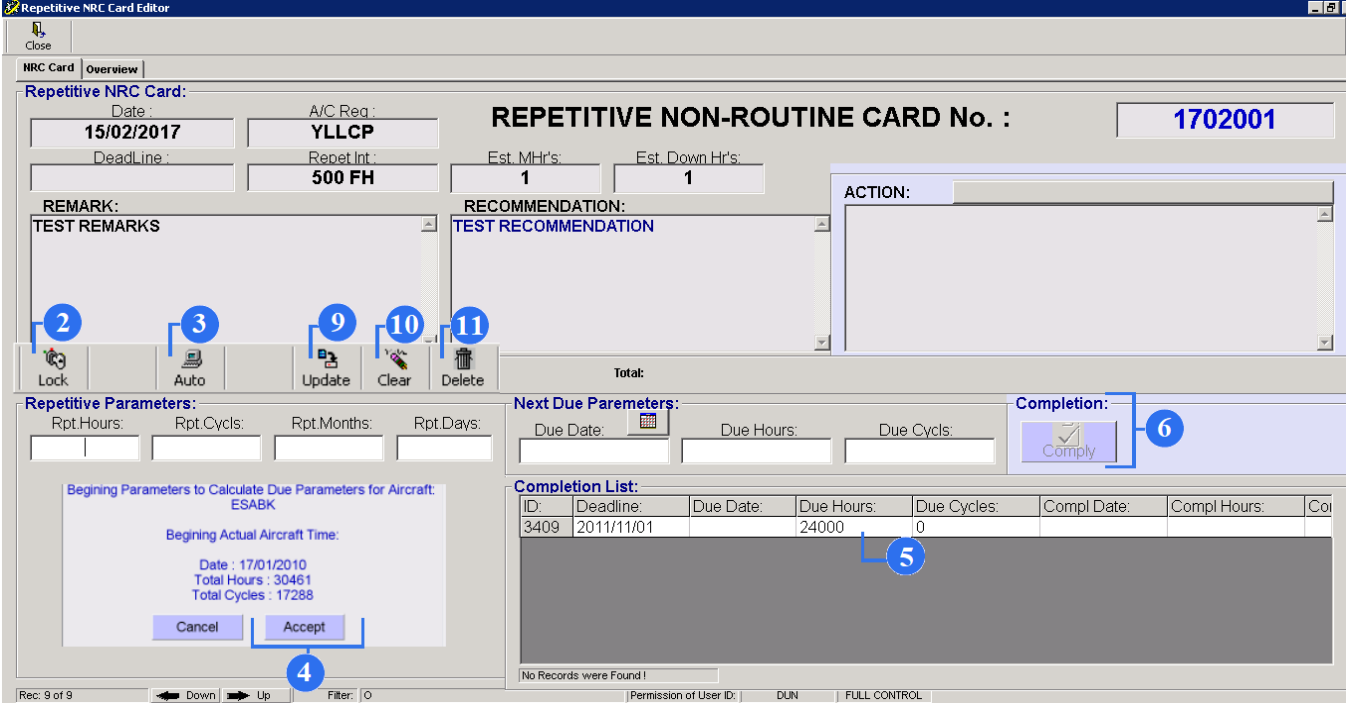
V. REPETITIVE NRC

User guidance

1. Repetitive NRC.



1. Click on “Repet NRC” button to open a Repetitive NRC Card Editor.



The screenshot shows the 'Repetitive NRC Card Editor' window. At the top, it displays 'REPETITIVE NON-ROUTINE CARD No. : 1702001'. Below this are fields for Date (15/02/2017), A/C Reg. (YLLCP), DeadLine, and Repet.Int. (500 FH). There are also fields for Est. MHR's (1) and Est. Down Hr's (1). The interface includes sections for REMARK (TEST REMARKS), RECOMMENDATION (TEST RECOMMENDATION), and ACTION. A toolbar contains buttons for Lock (2), Auto (3), Update (9), Clear (10), and Delete (11). Below the toolbar are 'Repetitive Parameters' and 'Next Due Parameters' sections. A 'Completion' dialog box is open, showing a 'Comply' button (6). Below that is a 'Completion List' table with one row of data. A 'Beginning Parameters to Calculate Due Parameters for Aircraft' dialog box is also visible, with an 'Accept' button (4). The status bar at the bottom shows 'Rec: 9 of 9' and 'Permission of User ID: DUN FULL CONTROL'.

ID	Deadline	Due Date	Due Hours	Due Cycles	Compl Date	Compl Hours	Col
3409	2011/11/01		24000	0			

2. To calculate when an action will repeat, click on “Lock”. to unfreeze the system.

3. Click on the “Auto” button.

4. Click on the “Accept” button and a system will generate the next due parameter (a due date, due hours, due cycles).

5. This item will be displayed in a Completion List.

6. To register completion, highlight an item and click on “Comply” button.

Repetitive NRC Completion Data

Completion:

NRC Number: **1109001**

Flight Data for Current TLOG Not Found ! Used Last Found Data !

RECOMMENDATION: REPLACE

A/C Reg: **ESLBD**

Rpt.Months: **0** Rpt.Days: **0** Rpt.Hours: **200** Rpt.Cycls: **0**

Due Date: Due Hours: **24000** Due Cycls: **0**

TLOG: * **[Empty]**

Compl. Date: * **19/Jan/2020** TSN: * **41517.39** CSN: * **23815**

Next Due Parameters:

Next Due Date: Next Due Hours: **41717.39** Next Due Cycls:

Completion List:

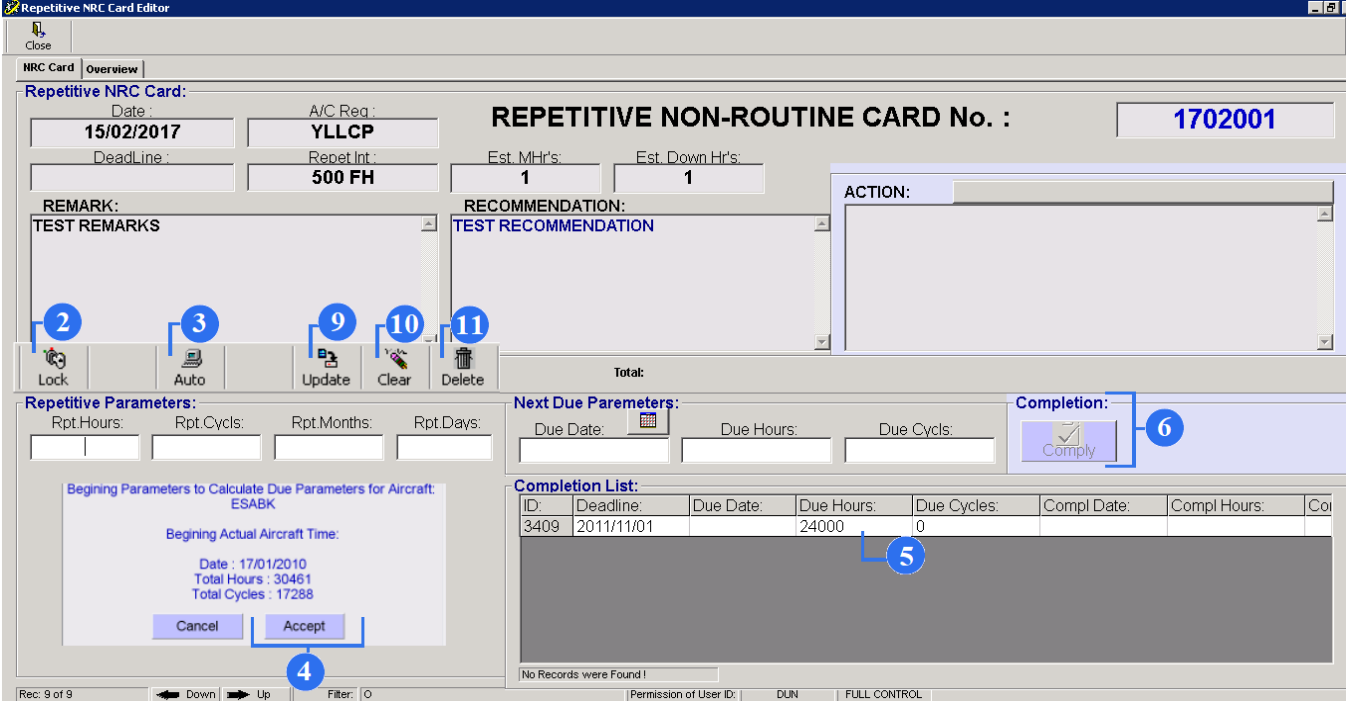
Mech. ID:	Due Date:	Due Hours:	Due Cycls:
3409	2011/1/11	24000	0

7 **Confirm**

8 **Close**

7. In a Completion Editor type Tlog (if no, enter 'NA', then press the Enter Button), a completion date, TSN, CSN. Sign it in the Mechanic's id field and click on .

8. Click on the CLOSE button to exit.



The screenshot shows the 'Repetitive NRC Card Editor' window. At the top, it displays 'REPETITIVE NON-ROUTINE CARD No. : 1702001'. Below this, there are fields for Date (15/02/2017), A/C Reg. (YLLCP), DeadLine, and Repet Int. (500 FH). There are also fields for Est. MHR's (1) and Est. Down HR's (1). The interface includes sections for REMARKS (TEST REMARKS), RECOMMENDATION (TEST RECOMMENDATION), and ACTION. A toolbar contains buttons for Lock, Auto, Update, Clear, and Delete. Below the toolbar are 'Repetitive Parameters' and 'Next Due Parameters' sections. A 'Completion' section has a 'Comply' button. A 'Completion List' table is shown with one entry: ID: 3409, Deadline: 2011/11/01, Due Date: 24000, Due Cycles: 0. At the bottom, there are 'Cancel' and 'Accept' buttons, and a status bar showing 'Rec: 9 of 9' and 'Permission of User: ID: DUN FULL CONTROL'.

9. To update, click on the UPDATE button.

10. To reset calculations, click on the CLEAR button.

11. To delete repetitive actions, click on the DELETE button.

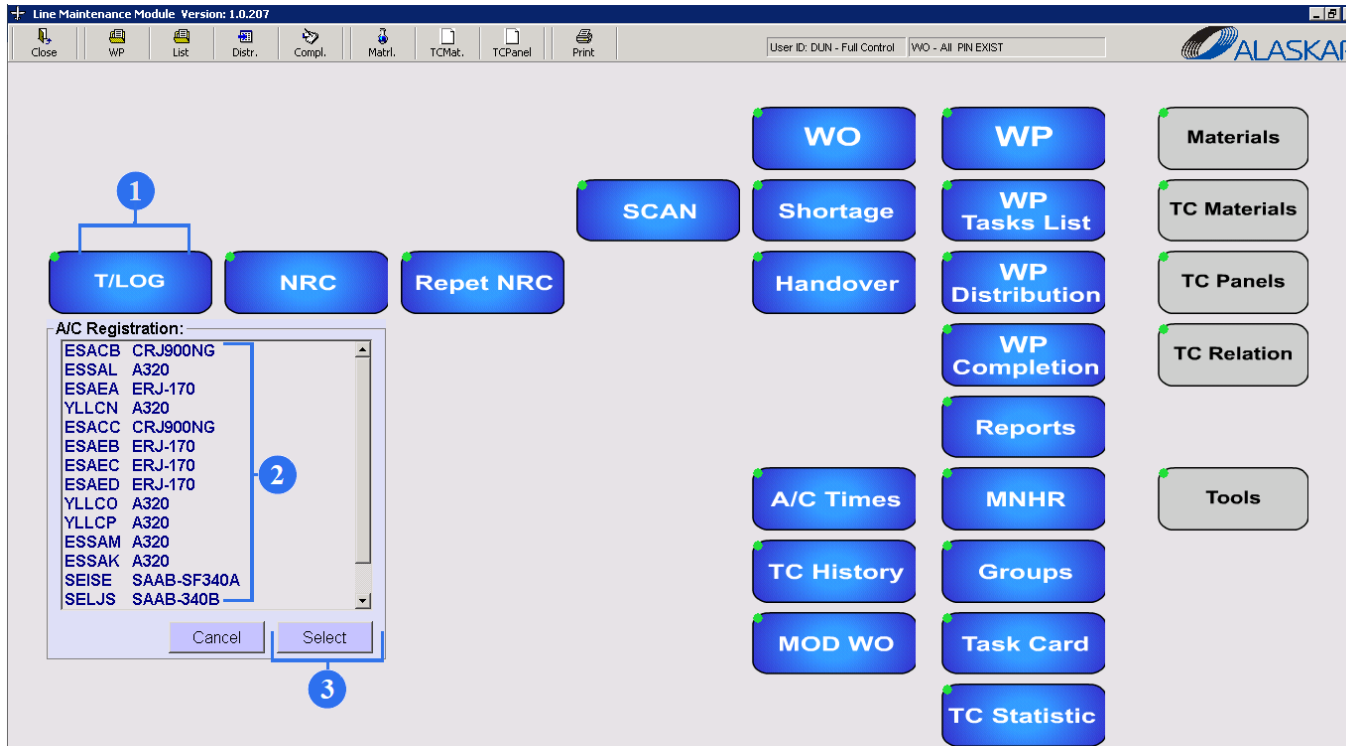
VI. T/LOG – Technical Log

User guidance

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1. General Information



A Technical Log sub-module registers all primary information, obtained from a pilot, result of maintenance performance and further troubleshooting actions, taken by a mechanic.

To begin to work with this submodule, you need click “T/LOG” button (1). A small window will appear. It contains aircraft registration list (2). Highlight the related aircraft and click on the “Select” button below (3).

The user’s manual consists of six sections: Technical Log Creation, Component Replacement (LRU), Technical Log Line Check, Transfer to NRC and transfer to WO, Reports and View.

Technical Log Creation provides step by step overview of the new T/Log creation with defect rectification, of the T/Log creation with MEL/CDL and of the T/Log creation with closing reference DMI number.

Component Replacement (LRU) section explains how to register replace of the component. Technical Log Line Check section give you information about results of service procedure. Also, while T/Log creating with MEL/CDL you can use transfer to NRC function or transfer to WO function. Thanks to these features, it is possible to monitor opened defect.

Reports section explains how to see all the DMI (HIL) closed and opened reports. Also, you can find aircraft maintenance history for any period. View section shows all the creating T/Logs.

1. Technical Log Creation

2.1 T/Log creation with a defect rectification

1. To create a new T/L, push NEW button on the upper toolbar of the Technical LOG screen.

2. Select airport station. A/C REG; A/C Type; Flight No fields are automatically displayed. Write in Take Off column and Landing column. The Block line means take off time and landing time, but The Flight line means aircraft motion time from gate to gate. Total FH and FC fields are filled automatically and show aircraft utilization values.

3. Enter a T/L number and its sequences (there are Technical Log Books where the whole page has number, but each reference has item number (sequence), and there are Technical Log Books where the page has references with own numbers, then Seq field is not required).

4. Select a mechanical ID number. Click F1 button on your computer keyboard to see more information about mechanical.

5. Tick PR or Mtx or Schd field, where
-PR – Pilot Remarks. Pilot makes report about fault in TLB before departure or after arrival.

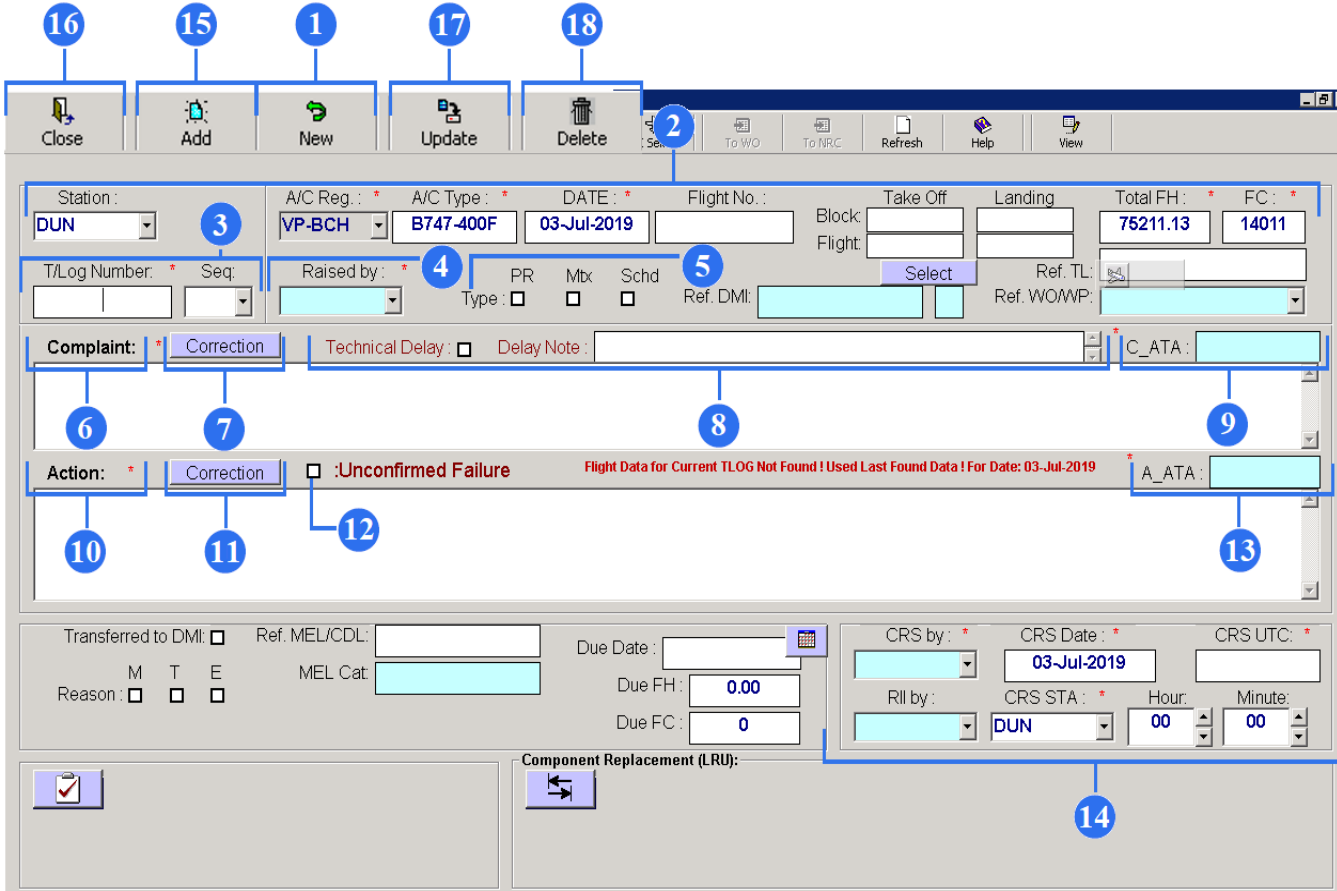
-Mtx–Maintenance Remarks. Fault report is made in TLB by maintenance staff.

-Schd–Schedule Remarks. It means defect rectification, or troubleshooting procedure during ground time.

6. Complaint field is needed to record all pilot remarks or remarks, that was found during maintenance.

7. After TLOG registration completion it will not be possible to remove the text from Complaint field or Action field. Use the Correction button to correct the text.

8. If a complaint is serious and an aircraft needs to be delayed due to some technical reasons, tick the 'Technical Delay' and make a Delay Note.



The screenshot shows a maintenance software interface with the following fields and callouts:

- 16:** Close button
- 15:** Add button
- 1:** New button
- 17:** Update button
- 18:** Delete button
- 2:** Search button
- 3:** Station dropdown (DUN)
- 4:** Raised by dropdown
- 5:** PR, Mbx, and Schd checkboxes
- 6:** Complaint dropdown (Correction)
- 7:** Action dropdown (Correction)
- 8:** Ref. DMI field
- 9:** C_ATA dropdown
- 10:** Action dropdown (Correction)
- 11:** Unconfirmed Failure checkbox
- 12:** Unconfirmed Failure checkbox
- 13:** A_ATA dropdown
- 14:** CRS STA dropdown (DUN)

Form fields include: Station, A/C Reg., A/C Type, DATE, Flight No., Take Off, Landing, Total FH, FC, T/Log Number, Seq., Raised by, PR, Mbx, Schd, Ref. DMI, Ref. TL, Ref. WO/WP, Complaint, Action, Unconfirmed Failure, Transferred to DMI, Ref. MEL/CDL, MEL Cat, Due Date, Due FH, Due FC, CRS by, CRS Date, CRS UTC, RII by, CRS STA, Hour, Minute, and Component Replacement (LRU).

9. Select from ATA catalog correct system chapter number of related remark.

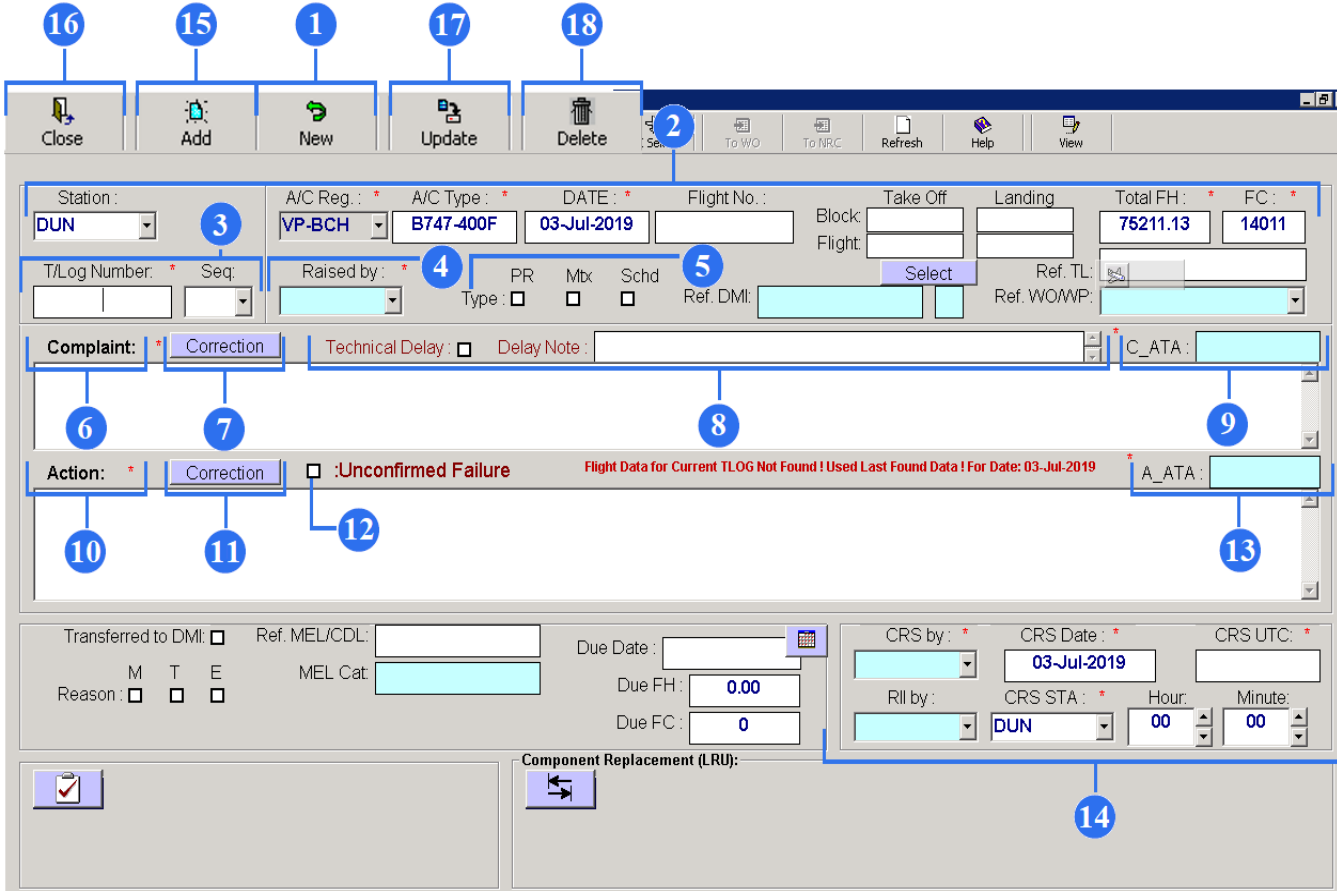
10. Action field is needed to record all actions taken by maintenance staff.

11. After TLOG registration completion it will not be possible to remove the text from Complaint field or Action field. Use the Correction button to correct the text.

12. You can put the tick Unconfirmed Failure field, if the pilot remarks are not confirmed during troubleshooting, for example it was intermittent fault.

13. Select from ATA catalog correct system chapter number of related remark.

14. Enter mechanical ID number to “CRS by” field, type CRS date and CRS time (in UTC). If another person was involved in the work, you can note additional signature in the “RII by” field. Type the airport station, where CRS was issued. Also, you can enter hours and minutes to display the total work time of the maintenance staff.



The screenshot shows the T/Log software interface with the following numbered callouts:

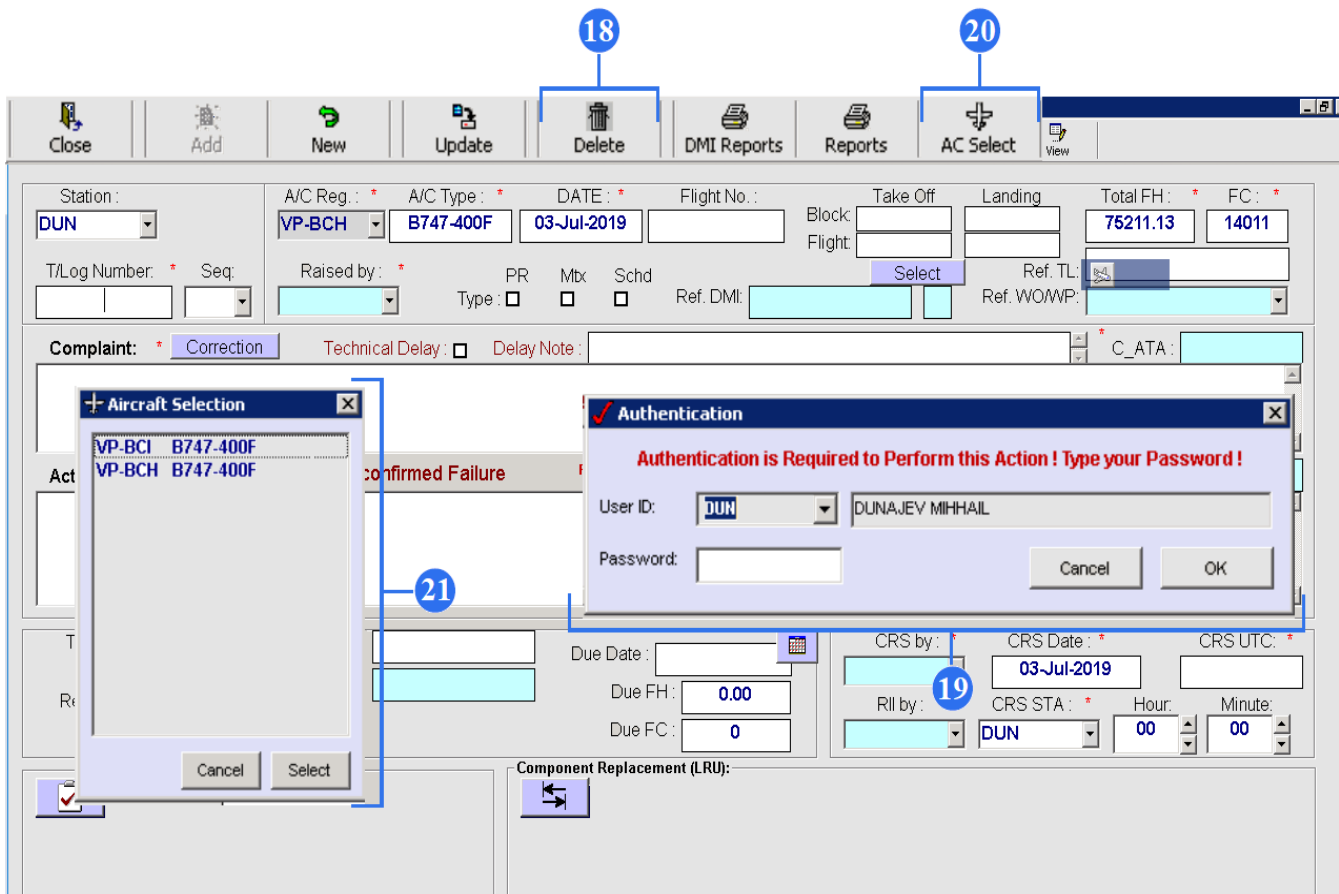
- 1:** New button in the upper toolbar.
- 2:** Add button in the upper toolbar.
- 3:** Station dropdown menu.
- 4:** Raised by dropdown menu.
- 5:** Select button.
- 6:** Complaint dropdown menu.
- 7:** Action dropdown menu.
- 8:** Delay Note text field.
- 9:** C_ATA dropdown menu.
- 10:** Correction button in the Complaint dropdown.
- 11:** Unconfirmed Failure checkbox.
- 12:** Flight Data for Current TLOG Not Found! Used Last Found Data! For Date: 03-Jul-2019 message.
- 13:** A_ATA dropdown menu.
- 14:** Component Replacement (LRU) section.
- 15:** Add button in the upper toolbar.
- 16:** Close button in the upper toolbar.
- 17:** Update button in the upper toolbar.
- 18:** Delete button in the upper toolbar.

15. On the upper toolbar push the Add button to save a new created Tech Log.

16. To exit the T/Log screen, click the CLOSE toolbar button.

17. After TLOG registration completion you can still refill other fields except Complaint/Action field (Correction button performs this function). After new data enter click Update button on the upper toolbar.

18. To remove a T/Log click the Delete toolbar button.



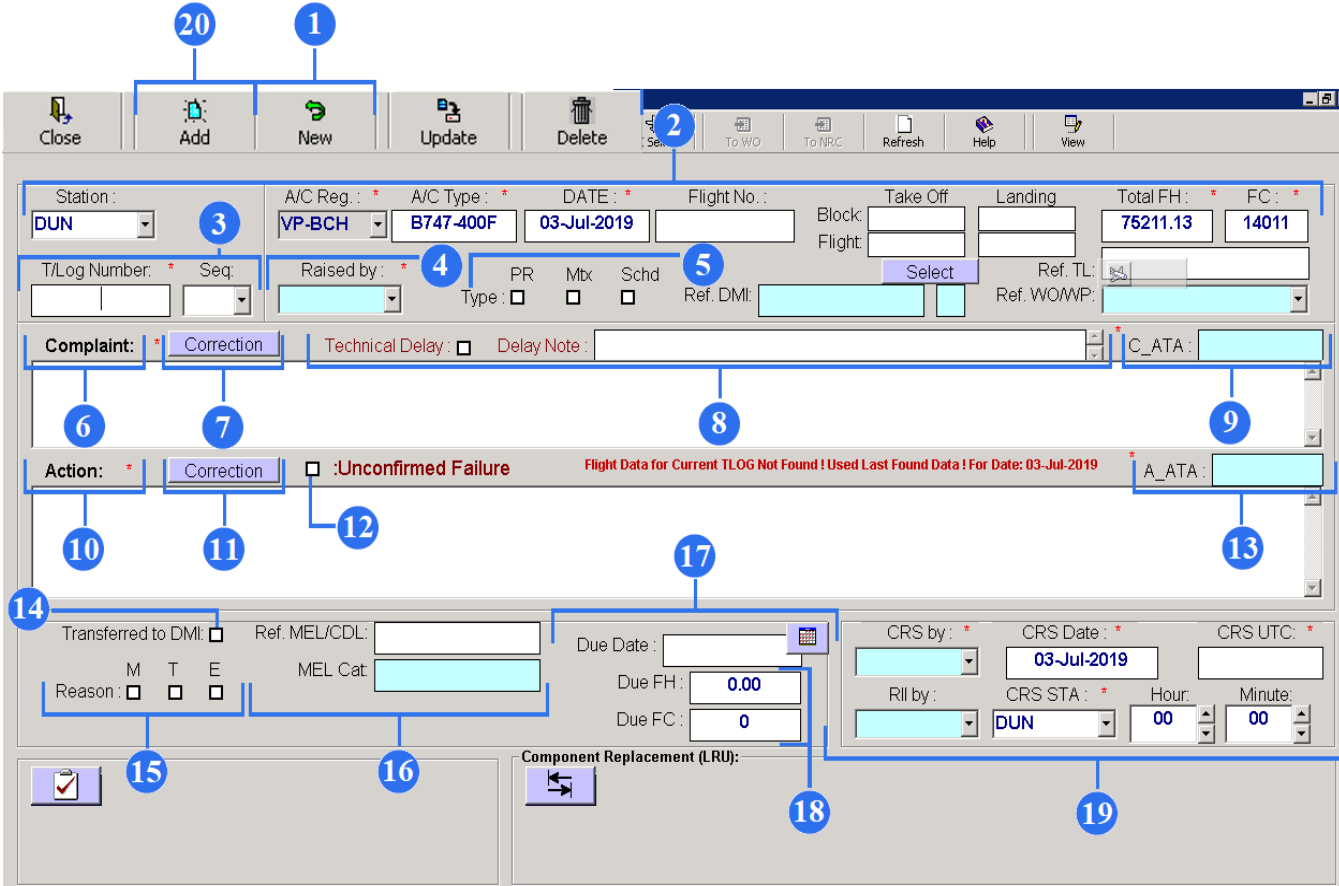
19. But you need an authentication for this action: enter your id and password in the authentication screen.

20. If you want to create new T/Log with other A/C registration number, no need to exit from T/Log submodule and re-enter. Push "AC Select" button.

21. From the whole list highlight other A/C registration and push "Select" button.

NOTE: Fields with a reference marks (*) are mandatory to fill.

2.2 T/Log creation using MEL/CDL.



The screenshot shows the 'NEW' form for creating a Technical Log (T/Log). The interface includes a toolbar at the top with buttons for Close, Add, New, Update, and Delete. Below the toolbar are several data entry sections:

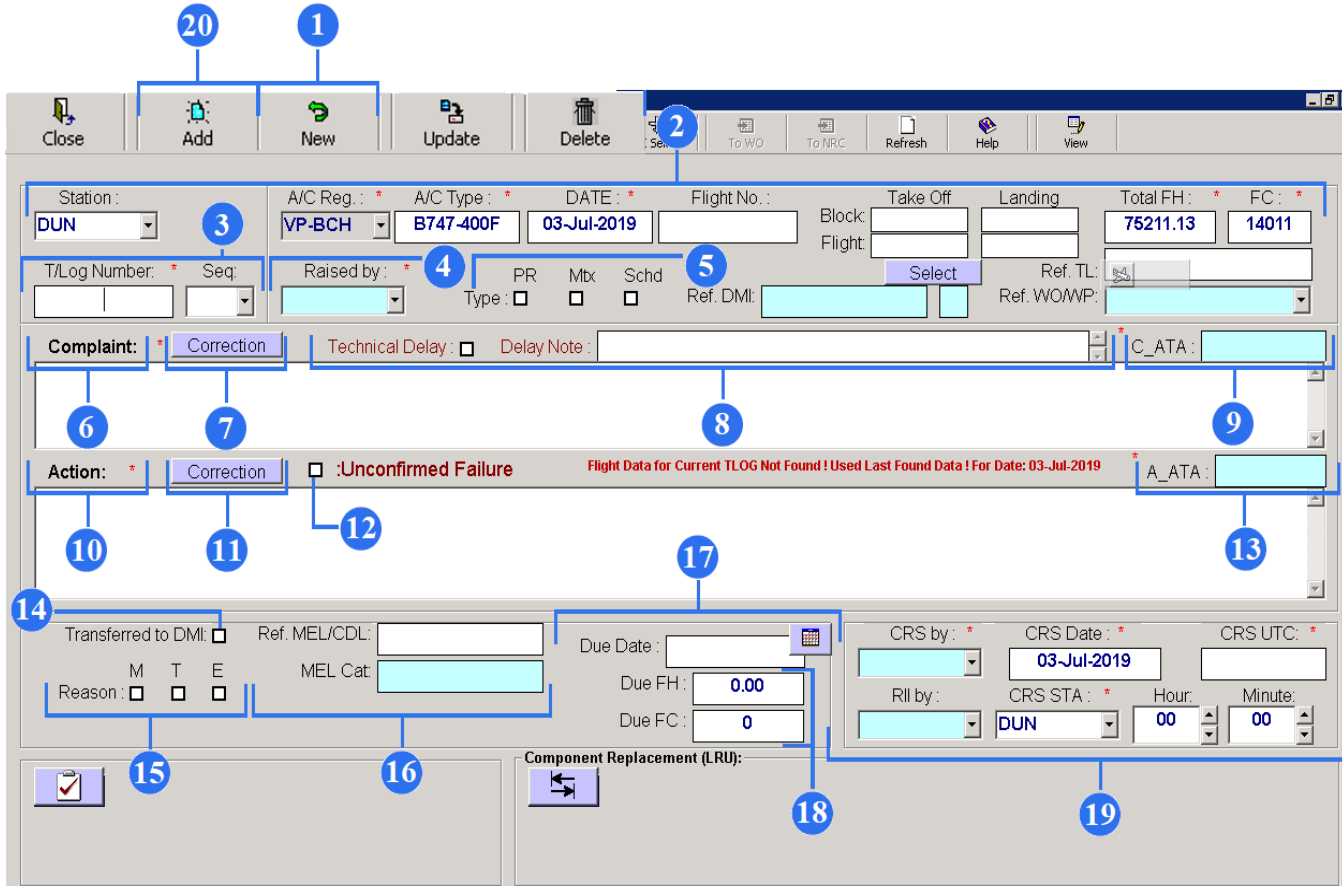
- Station:** DUN (Callout 20)
- A/C Reg.:** VP-BCH (Callout 1)
- A/C Type:** B747-400F
- DATE:** 03-Jul-2019
- Flight No.:** (Automatically populated)
- Block:** (Automatically populated)
- Take Off:** (Callout 2)
- Landing:** (Callout 2)
- Total FH:** 75211.13
- FC:** 14011
- T/Log Number:** (Callout 3)
- Seq:** (Callout 3)
- Raised by:** (Callout 4)
- PR, Mbx, Sched:** (Callout 5)
- Ref. DMI:** (Callout 8)
- Ref. TL:** (Callout 9)
- Ref. WOWP:** (Callout 9)
- Complaint:** Correction (Callout 6)
- Technical Delay:** (Callout 7)
- Delay Note:** (Callout 8)
- C_ATA:** (Callout 9)
- Action:** Correction (Callout 10)
- Unconfirmed Failure:** (Callout 11)
- Flight Data for Current TLOG Not Found!** (Callout 12)
- A_ATA:** (Callout 13)
- Transferred to DMI:** (Callout 14)
- Ref. MEL/CDL:** (Callout 15)
- MEL Cat:** (Callout 16)
- Reason:** (Callout 15)
- Due Date:** (Callout 17)
- Due FH:** 0.00
- Due FC:** 0
- CRS by:** (Callout 18)
- CRS Date:** 03-Jul-2019
- CRS UTC:** (Callout 19)
- Rll by:** (Callout 18)
- CRS STA:** DUN
- Hour:** 00
- Minute:** 00
- Component Replacement (LRU):** (Callout 18)

1. To create a new T/L, push NEW button on the upper toolbar of the Technical LOG screen.

2. Select airport station. A/C REG; A/C Type; Flight No fields are automatically displayed. Write in Take Off column and Landing column. The Block line means take off time and landing time, but The Flight line means aircraft motion time from gate to gate. Total FH and FC fields are filled automatically and show aircraft utilization values.

3. Enter a T/L number and its sequences (there are Technical Log Books where the whole page has number, but each reference has item number (sequence), and there are Technical Log Books where the page has references with own numbers, then Seq field is not required).

4. Select a mechanical ID number. Click F1 button on your computer keyboard to see more information about mechanical.



The screenshot shows a maintenance record form with the following fields and callouts:

- 1**: Add button
- 2**: Search button
- 3**: Station dropdown (DUN)
- 4**: Raised by dropdown
- 5**: PR, Mbx, and Schd checkboxes
- 6**: Complaint dropdown (Correction)
- 7**: Action dropdown (Correction)
- 8**: Flight No. field
- 9**: C_ATA dropdown
- 10**: Action field
- 11**: Unconfirmed Failure checkbox
- 12**: :Unconfirmed Failure text
- 13**: A_ATA dropdown
- 14**: Transferred to DMI checkbox
- 15**: Reason checkboxes (M, T, E)
- 16**: MEL Cat dropdown
- 17**: Due Date field
- 18**: Due FH and Due FC fields
- 19**: CRS Date field
- 20**: Close button

5. Tick PR or Mtx or Schd field, where
 -PR – Pilot Remarks. Pilot makes report about fault in TLB before departure or after arrival.
 -Mtx–Maintenance Remarks. Fault report is made in TLB by maintenance staff.
 -Schd–Schedule Remarks. It means defect rectification, or troubleshooting procedure during ground time.

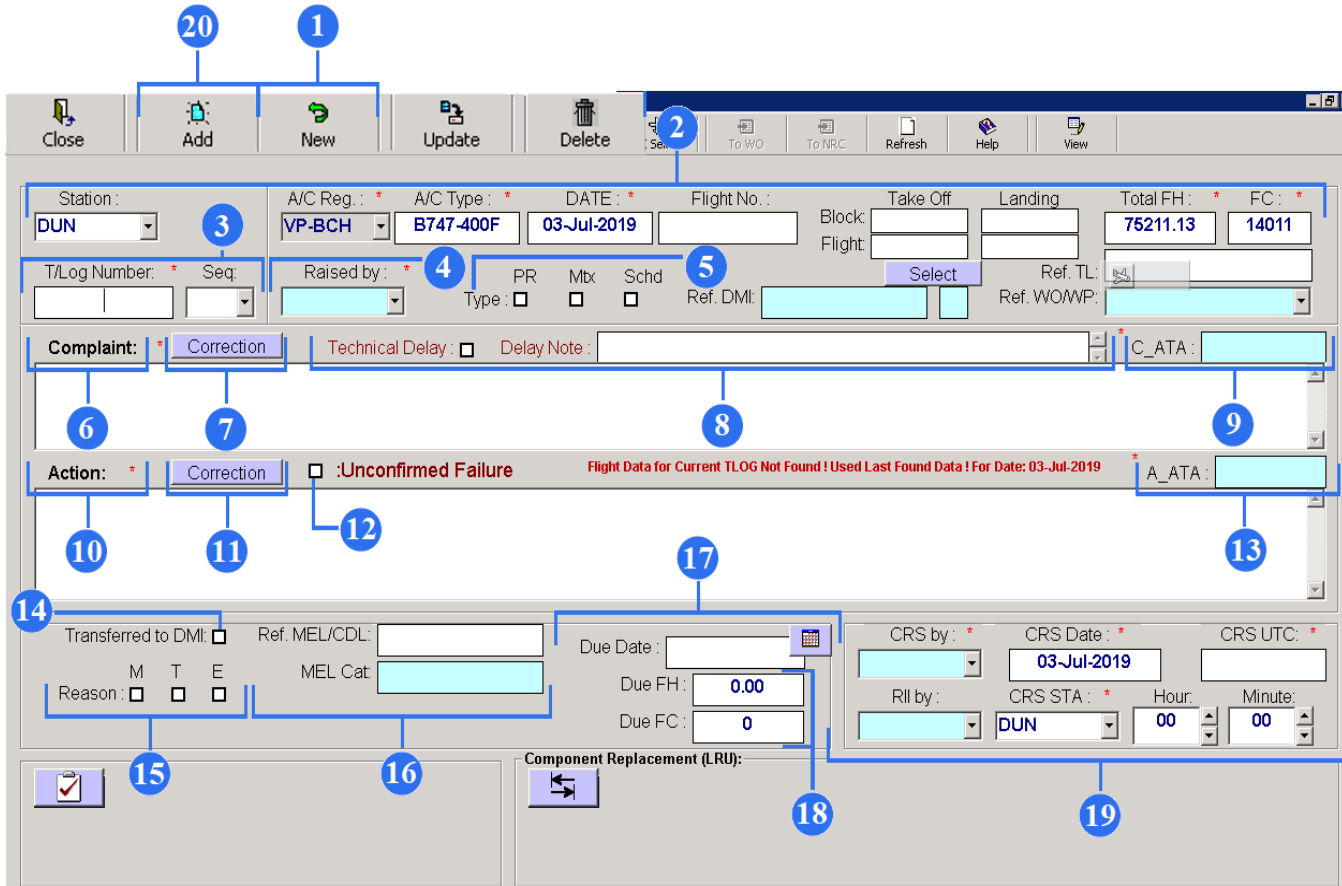
6. Complaint field is needed to record all pilot remarks or remarks, that was found during maintenance.

7. After TLOG registration completion it will not be possible to remove the text from Complaint field or Action field. Use the Correction button to correct the text.

8. If a complaint is serious and an aircraft needs to be delayed due to some technical reasons, tick the 'Technical Delay' and make a Delay Note.

9. Select from ATA catalog correct system chapter number of related remark.

10. Action field is needed to record all actions taken by maintenance staff.



The screenshot shows a software interface for TLOG registration. The interface is divided into several sections with various input fields and buttons. Numbered callouts (1-20) point to specific elements:

- 1: Add button
- 2: Search button
- 3: Station dropdown (DUN)
- 4: Raised by dropdown
- 5: PR, Mbx, and Schd checkboxes
- 6: Complaint dropdown (Correction)
- 7: Action dropdown (Correction)
- 8: Unconfirmed Failure checkbox
- 9: C_ATA dropdown
- 10: Transferred to DMI checkbox
- 11: Reason checkboxes (M, T, E)
- 12: Unconfirmed Failure checkbox (repeated)
- 13: A_ATA dropdown
- 14: Transferred to DMI checkbox (repeated)
- 15: Checkmark icon
- 16: MEL/CDL dropdown
- 17: Due Date field
- 18: Component Replacement (LRU) button
- 19: CRS Date field
- 20: Close button

11. After TLOG registration completion it will not be possible to remove the text from Complaint field or Action field. Use the Correction button to correct the text.

12. You can put the tick Unconfirmed Failure field, if the pilot remarks are not confirmed during troubleshooting, for example it was intermittent fault.

13. Select from ATA catalog correct system chapter number of related remark.

14. Tick the “Transferred to DMI” to confirm deferred reference with dead line.

DMI – Deferred Maintenance Item.

15. Select the reason of the deferred reference creation, where:

M – Material. Components are not available in the store;

T – Time. No ground time for defect rectification;

E – Equipment. Special tools are not available in the kit.

16. Write in MEL/CDL item and select MEL category (from A to D). If the defect is opened in accordance with other technical documentation such as AMM, SRM, FIM, TSM or operator letter, select N/A category).

17. To set a dead line, click on Calendar button and a Date Calendar will open. Select a due date.

18. If the dead line does not depend on MEL category, but it depends on amount of the flight hours or cycles, write in due FH or due FC.

19. Enter mechanical ID number to “CRS by” field, type CRS date and CRS time (in UTC). If another person was involved in the work, you can note additional signature in the “RII by” field”. Type the airport station, where CRS was issued. Also, you can enter hours and minutes to display the total work time of the maintenance staff.

20. On the upper toolbar push the Add button to save a new created Tech Log.

2.3 T/Log creation with closing reference DMI number.

The screenshot shows the Technical LOG screen with the following fields and actions highlighted by numbered callouts:

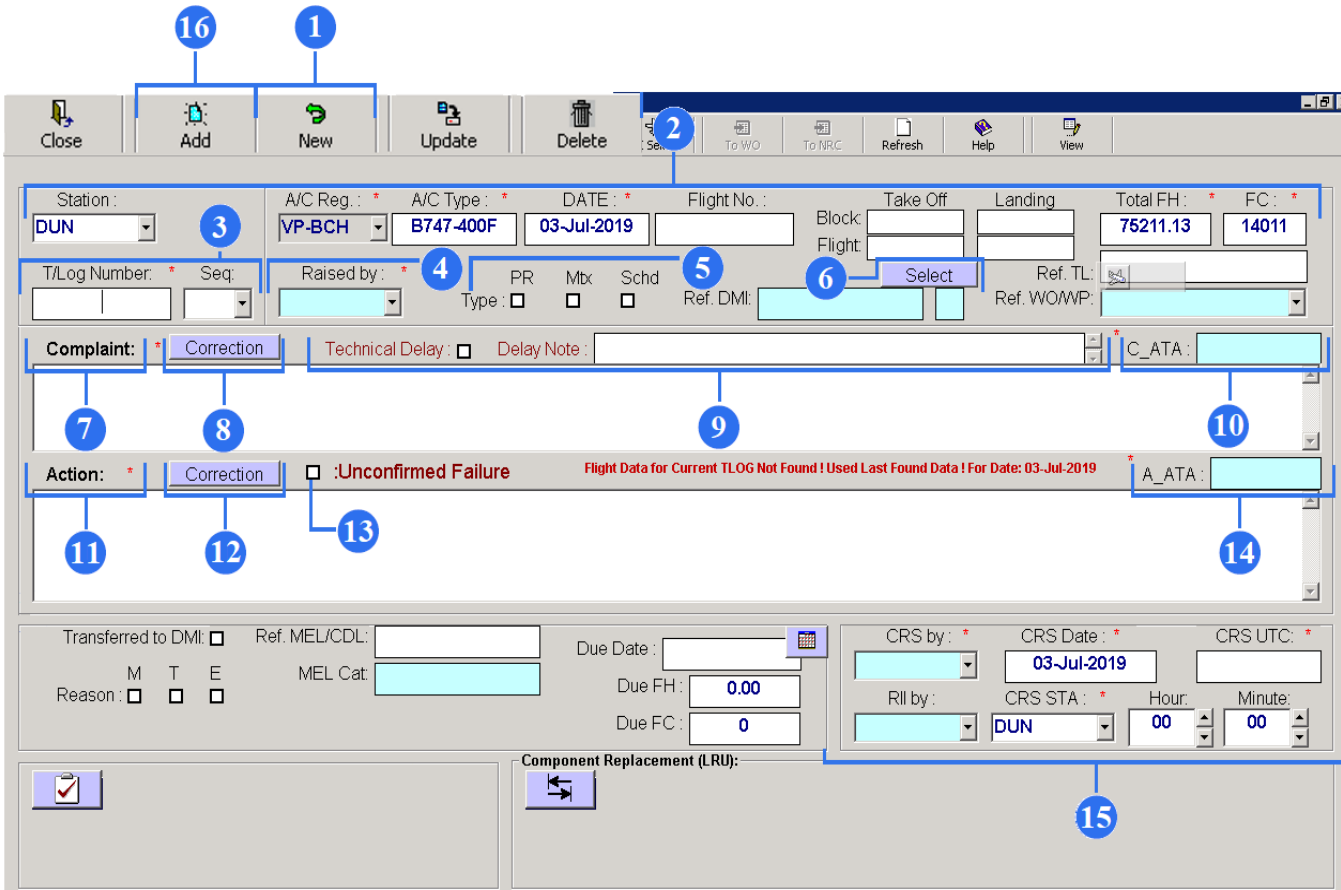
- 1:** NEW button in the upper toolbar.
- 2:** Station dropdown menu (DUN).
- 3:** T/Log Number and Seq. fields.
- 4:** Raised by dropdown menu.
- 5:** PR, Mbx, and Schd checkboxes.
- 6:** Ref. DMI field.
- 7:** Complaint dropdown menu (Correction).
- 8:** Technical Delay checkbox.
- 9:** Delay Note text area.
- 10:** C_ATA field.
- 11:** Action dropdown menu (Correction).
- 12:** Unconfirmed Failure checkbox.
- 13:** Flight Data for Current TLOG Not Found! Used Last Found Data! For Date: 03-Jul-2019 message.
- 14:** A_ATA field.
- 15:** Component Replacement (LRU) field.
- 16:** Add button in the upper toolbar.

1. To create a new T/L, push NEW button on the upper toolbar of the Technical LOG screen.

2. Select airport station. A/C REG; A/C Type; Flight No fields are automatically displayed. Write in Take Off column and Landing column. The Block line means take off time and landing time, but The Flight line means aircraft motion time from gate to gate. Total FH and FC fields are filled automatically and show aircraft utilization values.

3. Enter a T/L number and its sequences (there are Technical Log Books where the whole page has number, but each reference has item number (sequence), and there are Technical Log Books where the page has references with own numbers, then Seq field is not required).

4. Select a mechanical ID number. Click F1 button on your computer keyboard to see more information about mechanical.



5. Tick PR or Mtx or Schd field, where
 -PR – Pilot Remarks. Pilot makes report about fault in TLB before departure or after arrival.
 -Mtx–Maintenance Remarks. Fault report is made in TLB by maintenance staff.
 -Schd–Schedule Remarks. It means defect rectification, or troubleshooting procedure during ground time.

6. Push “Select” button of the DMI field to select deferred item, and click from the whole list deferred item that you want to close.

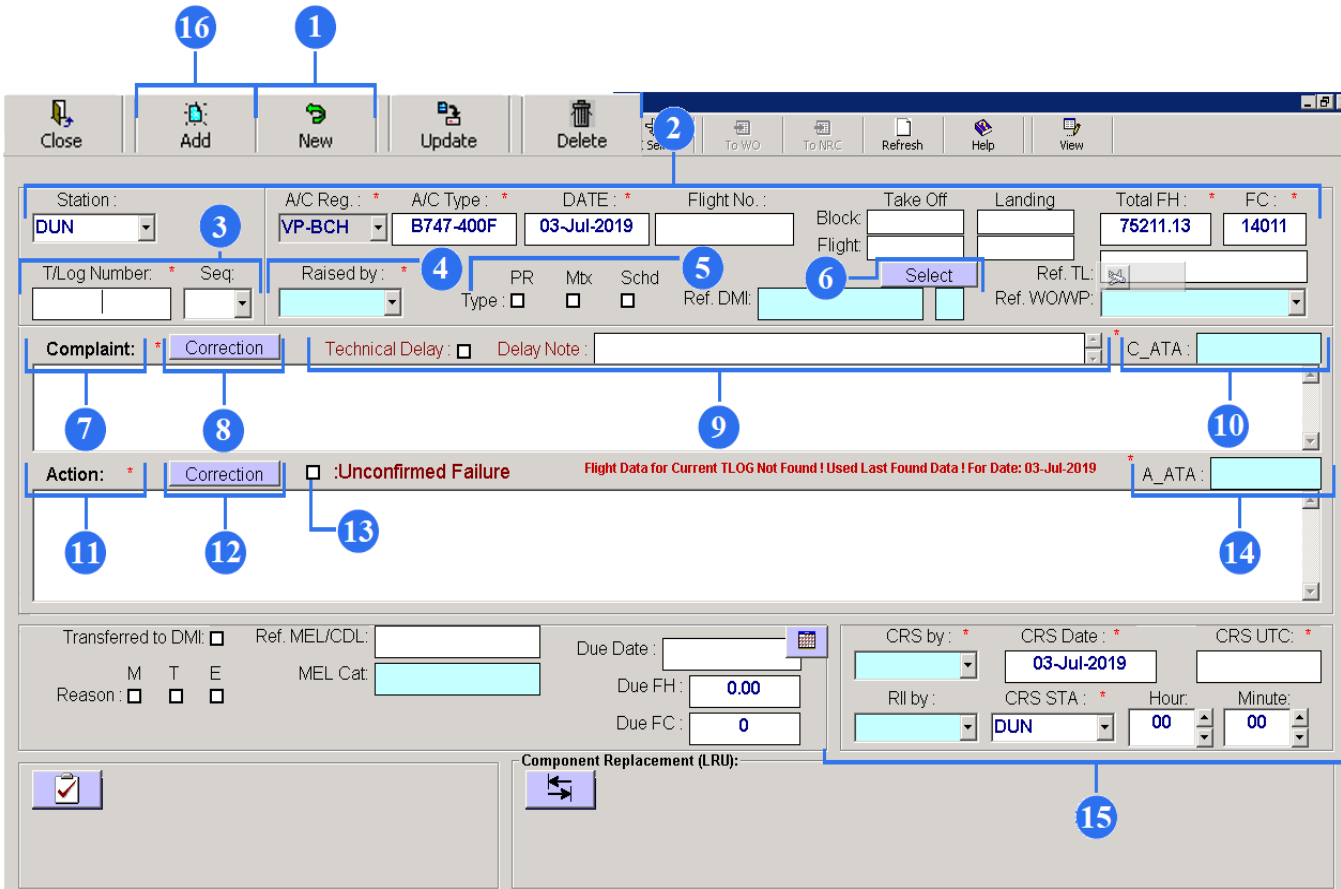
7. Complaint field is needed to record all pilot remarks or remarks, that was found during maintenance.

8. After TLOG registration completion it will not be possible to remove the text from Complaint field or Action field. Use the Correction button to correct the text.

9. If a complaint is serious and an aircraft needs to be delayed due to some technical reasons, tick the ‘Technical Delay’ and make a Delay Note.

10. Select from ATA catalog correct system chapter number of related remark.

11. Action field is needed to record all actions taken by maintenance staff.



12. After TLOG registration completion it will not be possible to remove the text from Complaint field or Action field. Use the Correction button to correct the text.

13. You can put the tick Unconfirmed Failure field, if the pilot remarks are not confirmed during troubleshooting, for example it was intermittent fault.

14. Select from ATA catalog correct system chapter number of related remark.

15. Enter mechanical ID number to “CRS by” field, type CRS date and CRS time (in UTC). If another person was involved in the work, you can note additional signature in the “RII by field”. Type the airport station, where CRS was issued. Also, you can enter hours and minutes to display the total work time of the maintenance staff.

16. On the upper toolbar push the Add button to save a new created Tech Log.

NOTE: Fields with a reference marks (*) are mandatory to fill.

ATTENTION: It is comfortable to use NRC submodule if you have multistage troubleshooting within deadline of defect. You can tie references between each other. Use the T/Log for defect rectification at once, or to open defect while single step operation.

3. Component Replacement (LRU)

The screenshot shows the 'Technical LOG' application window. The top toolbar includes buttons for Close, Add, New, Update, Delete, DMI Reports, Reports, AC Select, To WO, To NRC, Refresh, Help, and View. The main form contains several sections:

- Station:** ZIA
- A/C Reg.:** VP-BCH
- A/C Type:** B747-400F
- DATE:** 16-Jun-2019
- Flight No.:** 9790
- Total FH:** 75177.13
- FC:** 14006
- T/Log Number:** 001988
- Raised by:** HT
- Complaint:** Correction
- Action:** Correction
- Component Replacement:** A section with a button (highlighted with a blue box and '1') and a list of items: CRS_Date: 16/06/2019, CRS_UTC: 11:46, CRS_STA: ZIA, Oil_E1: 1, Oil_E2: 1, Oil_E3: 1.

1. After new T/Log creation completion you can mark component replacement data. Click the button with two arrows to open Component Replacement Registration List. T/Log creation is completed when on the upper toolbar ADD button is pushed. It means that you have saved a new created Tech Log.

NOTE: Fields with a reference marks (*) are mandatory to fill.

2. T/Log number is automatically transferred from Technical LOG screen.

3. Write in “P/N Out” field part number of removed component. Write in “P/N In” field part number of installed component.

4. Write in “S/N Out” field serial number of removed component. Write in “S/N In” field serial number of installed component.

5. Fill in the fields such as Description/ Tag No/ Reason/Position/ATA.

6. You can fill in the Mod. Status/Time/Remark fields as supporting information.

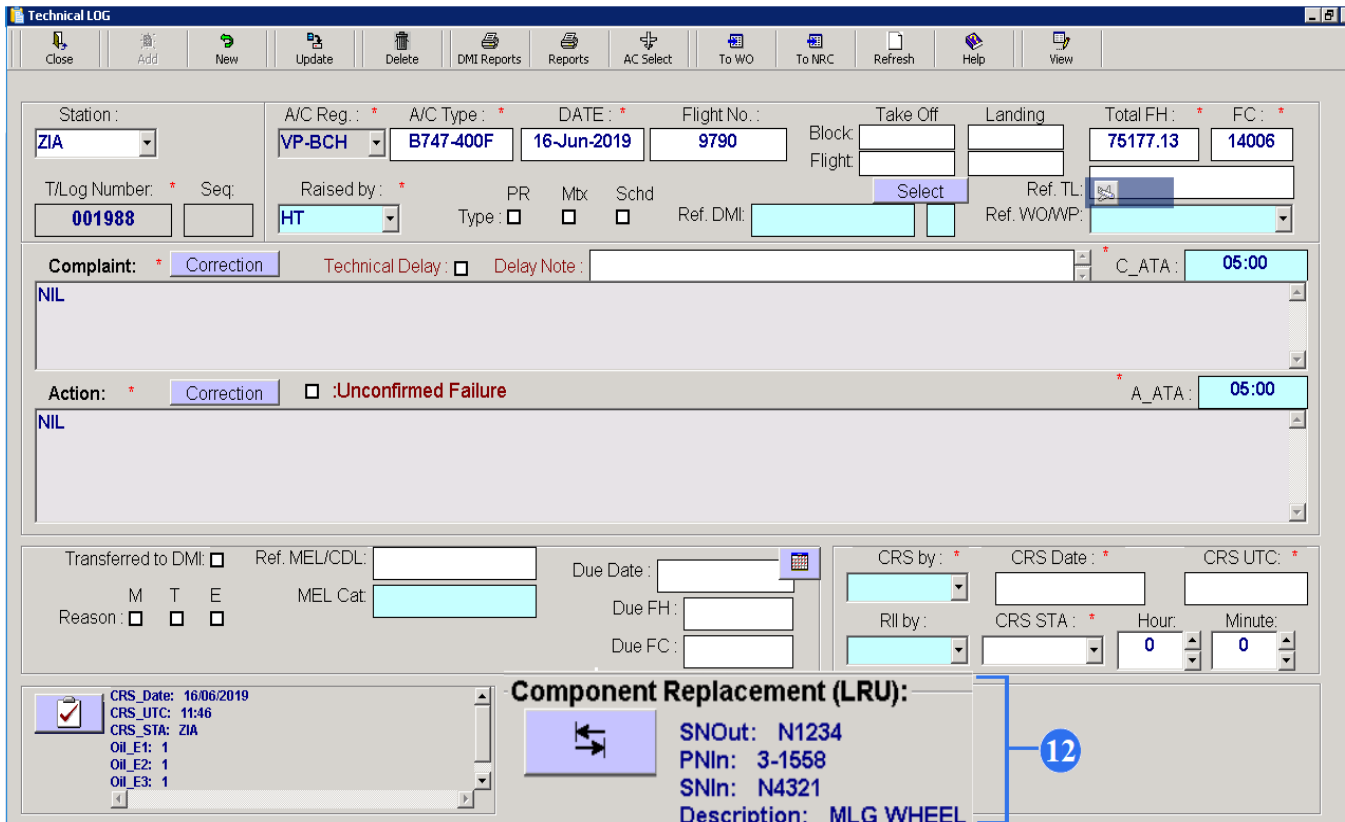
7. Select from the whole list the mechanical ID number. Name of mechanic will be appeared automatically.

8. To save entered data push “Add” on the upper toolbar. You can see save data on the white screen above toolbar.

9. After Component Change Registration completion you can still change other fields. After new data enter click Update button on the upper toolbar.

10. If you want to remove save data, highlight the line and click “Delete” button.

11. To close the Component Replacement Registration screen click the “Close” button.



Station : ZIA A/C Reg. : * VP-BCH A/C Type : * B747-400F DATE : * 16-Jun-2019 Flight No. : 9790 Take Off: Landing: Total FH : * 75177.13 FC : * 14006

T/Log Number : * 001988 Seq: Raised by : * HT PR Mbx Schd Ref. TL: Ref. WOWP:

Complaint : * Correction Technical Delay : Delay Note : C_ATA : 05:00

Action : * Correction :Unconfirmed Failure A_ATA : 05:00

Transferred to DMI: Ref. MEL/CDL: Due Date: CRS by : * CRS Date : * CRS UTC : *
Reason: M T E MEL Cat: Due FH: Rll by : CRS STA : * Hour: Minute:
Due FC: Hour: Minute:

Component Replacement (LRU):
SNOut: N1234
PNIn: 3-1558
SNIn: N4321
Description: MLG WHEEL

12. Also you can see component replacement data on the Technical LOG screen near Component replacement button.

4. Technical Log Line Check.

1. If Line Check was performed after arrival or before departure, you can registrate these data in the TLog submodule. Push button with the tick in the left bottom side of the screen to open TLOG LINE CHECK window.

NOTE: Fields with a reference marks (*) are mandatory to fill.

TLOG LINE CHECK

Station: **DUH**

T/Log Number: * Seq: [] []

[Add] [Update] [Refresh]

A/C Reg.: * **VP-BCH** A/C Type: * **B747-400F** DATE: * **04-Jul-2019** TIME: hh:mm Flight No.: FH: * **75211.13** FC: * **14011**

Raised by: * [] PR Mtx Schd Ref. WOWVP: []

Wheel Pressure, Psi

Checked:	NW1: 0	NW2: 0	MW1: 0	MW2: 0	MW3: 0	MW4: 0
Inflated to:	0	0	0	0	0	0

Oils. Qt

APU rem: 0	GD1: 0
E1 rem: 0	GD2: 0
E2 rem: 0	GD3: 0
E3 rem: 0	GD4: 0
E4 rem: 0	Str1: 0
	Str2: 0
	Str3: 0
	Str4: 0

Fuel Info:

PRIOR FUELLING: **0**

UPLIFT: **0**

DEPARTURE: **0**

ARRIVAL: **0**

CRS by: * [] CRS Date * **04-Jul-2019** CRS UTC: *

Rll by: [] CRS STA: * **DUH** Hour: **00** Minute: **00**

FF/TR: DY/SC: WY: L-Check:

[Close]

2. Station and T/Log Number will appear automatically.

3. Data such as A/C Reg, A/C Type, Date, FH and FC will appear automatically. If the edit date is not today, use the calendar to select the correct flight date of proper aircraft. Fill the "TIME" and "Flight No" fields.

4. Select a mechanical ID number in "Raised by" field. If it is necessary, tick PR or Mtx or Schd field, where:

-PR – Pilot Remarks. Pilot makes report about fault in TLB before departure or after arrival.

-Mtx – Maintenance Remarks. Fault report is made in TLB by maintenance staff.

-Schd – Schedule Remarks. It means defect rectification, or troubleshooting procedure during ground time.

✓ TLOG LINE CHECK
✕

Station :

TLog Number: * Seq:

14

A/C Reg. : *

A/C Type : *

DATE : *

TIME: hh:mm

Flight No. :

FH : *

FC : *

Raised by : *

Type : PR Mtx Schd

Ref. WO/WP:

Wheel Pressure, Psi

	NW1 :	NW2 :	MW1 :	MW2 :	MW3 :	MW4 :
Checked :	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
Inflated to :	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>

Oils. Qt

APU rem :	<input type="text" value="0"/>	GD1 :	<input type="text" value="0"/>
E1 rem :	<input type="text" value="0"/>	APU :	<input type="text" value="0"/>
E1 :	<input type="text" value="0"/>	H1 :	<input type="text" value="0"/>
E2 rem :	<input type="text" value="0"/>	H2 :	<input type="text" value="0"/>
E2 :	<input type="text" value="0"/>	H3 :	<input type="text" value="0"/>
E3 rem :	<input type="text" value="0"/>	H4 :	<input type="text" value="0"/>
E3 :	<input type="text" value="0"/>	Strt1 :	<input type="text" value="0"/>
E4 rem :	<input type="text" value="0"/>	Strt2 :	<input type="text" value="0"/>
E4 :	<input type="text" value="0"/>	Strt3 :	<input type="text" value="0"/>
		Strt4 :	<input type="text" value="0"/>

Fuel Info:

PRIOR FUELLING :	<input type="text" value="0"/>
UPLIFT :	<input type="text" value="0"/>
DEPARTURE :	<input type="text" value="0"/>
ARRIVAL :	<input type="text" value="0"/>

CRS by : *

CRS Date *

CRS UTC: *

Rll by :

CRS STA : *

Hour:

Minute:

FF/TR: DY/SC: WY: L-Check:

In the WO/WP field please select work order number or work package number related Line Check.

5. Enter NW (Nose Wheel) and MW (Main Wheel) pressure data when checking and after inflated.

6. Enter result of engines oil servicing. For example, E1 rem means oil remain of the engine #1, but E1 means oil quantity after engine #1 after refill.

7. Enter result of APU oil servicing. APU rem means APU oil remain.

8. Enter result of hydraulic reservoir servicing. For example, H1 means hydraulic quantity of the first reservoir.

9. Enter result of drive generator oil servicing. For example, GD1 means generator drive of engine #1.

10. Enter result of starter oil servicing. For example, Strt1 means starter of engine #1.

TLOG LINE CHECK
✕

Station :

T/Log Number: *

Seq:

14

🔍 Add 🔄 Update 🔄 Refresh

A/C Reg. : * A/C Type : * DATE : * TIME: hh:mm Flight No. : FH : * FC : *

Raised by : * PR Mtx Schd Ref. WO/WP:

Wheel Pressure, Psi

Checked :	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
Inflated to :	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>

Oils, Qt

APU rem : <input type="text" value="0"/>	GD1 : <input type="text" value="0"/>
E1 rem : <input type="text" value="0"/>	GD2 : <input type="text" value="0"/>
E1 : <input type="text" value="0"/>	GD3 : <input type="text" value="0"/>
E2 rem : <input type="text" value="0"/>	GD4 : <input type="text" value="0"/>
E2 : <input type="text" value="0"/>	H1 : <input type="text" value="0"/>
E3 rem : <input type="text" value="0"/>	H2 : <input type="text" value="0"/>
E3 : <input type="text" value="0"/>	H3 : <input type="text" value="0"/>
E4 rem : <input type="text" value="0"/>	H4 : <input type="text" value="0"/>
E4 : <input type="text" value="0"/>	Str1 : <input type="text" value="0"/>
	Str2 : <input type="text" value="0"/>
	Str3 : <input type="text" value="0"/>
	Str4 : <input type="text" value="0"/>

Fuel Info:

PRIOR FUELLING :

UPLIFT :

DEPARTURE :

ARRIVAL :

CRS by : * CRS Date * CRS UTC : *

Rll by : CRS STA : * Hour: Minute:

FF/TR: DY/SC: WY: L-Check:

6 7 8 9 10 11 12 13

15

11. Enter refuelling procedure data, where:

-PRIOR FUELLING –remain of fuel on the board.

-UPLIFT – refuelling quantity.

-DEPARTURE – total fuel quantity on the board before flight.

-ARRIVAL – remain of fuel on the board after arrival.

12. Enter mechanical ID number to “CRS by” field, type CRS date and CRS time (in UTC). If another person was involved in the work, you can note additional signature in the “Rll by field”. Type the airport station, where CRS was issued. Also, you can enter hours and minutes to display the total work time of the maintenance staff.

TLOG LINE CHECK

Station: **DUN**

TLog Number: * Seq:

Add **Update** **Refresh**

A/C Reg.: * **VP-BCH** A/C Type: * **B747-400F** DATE: * **04-Jul-2019** TIME: hh:mm Flight No.: FH: * **75211.13** FC: * **14011**

Raised by: * PR Type: Mtx: Schd: Ref. WO/WP:

Wheel Pressure, Psi

Checked:	NW1: <input type="text" value="0"/>	NW2: <input type="text" value="0"/>	MW1: <input type="text" value="0"/>	MW2: <input type="text" value="0"/>	MW3: <input type="text" value="0"/>	MW4: <input type="text" value="0"/>
Inflated to:	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>

Oils. Qt

APU rem: <input type="text" value="0"/>	GD1: <input type="text" value="0"/>
E1 rem: <input type="text" value="0"/>	GD2: <input type="text" value="0"/>
E1: <input type="text" value="0"/>	GD3: <input type="text" value="0"/>
E2 rem: <input type="text" value="0"/>	GD4: <input type="text" value="0"/>
E2: <input type="text" value="0"/>	Strt1: <input type="text" value="0"/>
E3 rem: <input type="text" value="0"/>	Strt2: <input type="text" value="0"/>
E3: <input type="text" value="0"/>	Strt3: <input type="text" value="0"/>
E4 rem: <input type="text" value="0"/>	Strt4: <input type="text" value="0"/>
E4: <input type="text" value="0"/>	

Fuel Info:

PRIOR FUELLING:

UPLIFT:

DEPARTURE:

ARRIVAL:

CRS by: * CRS Date * **04-Jul-2019** CRS UTC: *

Rll by: CRS STA: * **DUN** Hour: Minute:

FF/TR: DY/SC: WY: L-Check:

Close

13. Select by tick the type of line maintenance, where:

-FF/TR – transit check

-DY/SC – daily check

-WY – weekly check

-L-check – line check

14. To save entered data push “Add” on the upper toolbar.

After TLOG LINE CHECK editing completion you can still change other fields. After new data enter click Update button on the upper toolbar.

To reset all data, click on the REFRESH button.

15. To close TLOG LINE CHECK window, push “CLOSE” button on the right bottom side of the window.

Technical LOG

Close Add New Update Delete DMI Reports Reports AC Select To WO To NRC Refresh Help View

Station: **DUN** A/C Reg: **VP-BCH** A/C Type: **B747-400F** DATE: **04-Jul-2019** Flight No.: [] Block: [] Take Off: [] Landing: [] Total FH: **75211.13** FC: **14011**

T/Log Number: [] Seq: [] Raised by: [] PR: [] Mtx: [] Schd: [] Ref. DMI: [] Ref. TL: [] Ref. WOWP: []

Complaint: **Correction** Technical Delay: Delay Note: [] C ATA: []

Action: **Correction** :Unconfirmed Failure **Flight Data for Current TLOG Not Found! Used Last Found Data! For Date: 04-Jul-2019** A ATA: []

Transferred to DMI: Ref. MEL/CDL: [] Due Date: [] CRS by: [] CRS Date: **04-Jul-2019** CRS UTC: []

M T E Reason: MEL Cat: [] Due FH: **0.00** Rll by: [] CRS STA: **DUN** Hour: **00** Minute: **00**

Due FC: **0**

CRS_Date: 04/07/2019
CRS_UTC: 12:00
CRS_STA: DUN
FF_IR: Y
Oil_E1: 1

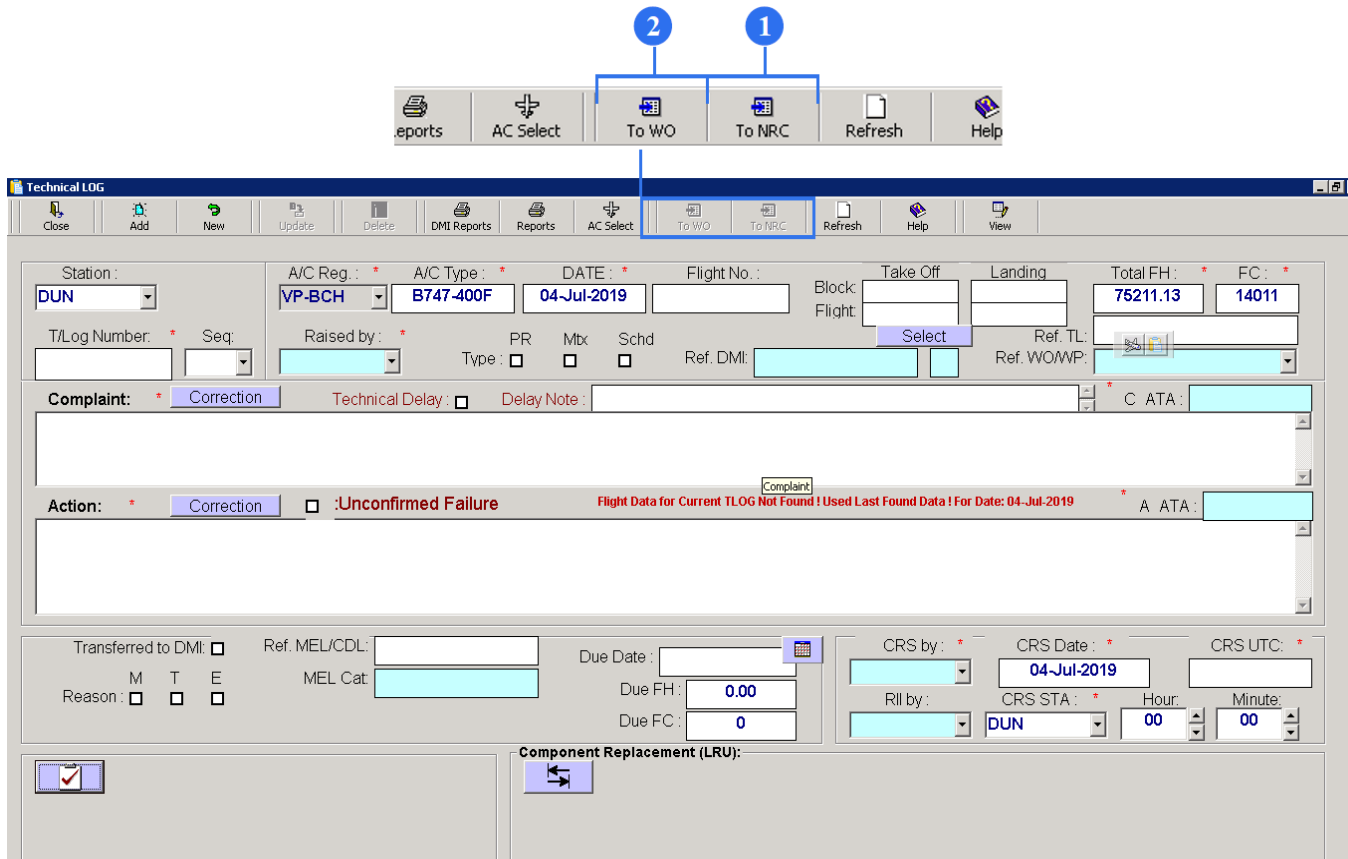
16

Component Replacement (LRU):

16. Also you can see Line check result data on the Technical LOG screen near button with the tick.

5. Transfer to NRC and transfer to WO.

While T/Log creating with MEL/CDL (see unit 1.2) you can use transfer to NRC function or transfer to WO function.



1. After completion of the T/LOG creation with MEL/CDL you can push “To NRC” on the toolbars to begin to work with NRC submodule. It is comfortable to plan defect rectification with multistage troubleshooting within deadline of defect. Also, after “To NRC” click NRC will be displayed in the “Planning” submodule.

2. After completion of the T/LOG creation with MEL/CDL you can push “WO” on the toolbars to make work order for defect rectification. It is comfortable if you use LSM (Line Station Maintenance) module. After click of “WO” button work order will display in the LSM module where you can print it and issue to work.

6. Reports.

6.1. DMI REPORTS

Technical LOG

Station: ZIA A/C Reg.: VP-BCH A/C Type: B747-400F DATE: 05-Jun-2019 Flight No.: 9886

Total FH: 75111.18 FC: 13993

T/Log Number: 001974 Raised by: HT

Complaint: Correction Technical Delay: Delay Note: C ATA: 05:00

NIL

Action: Correction :Unconfirmed Failure A ATA: 05:00

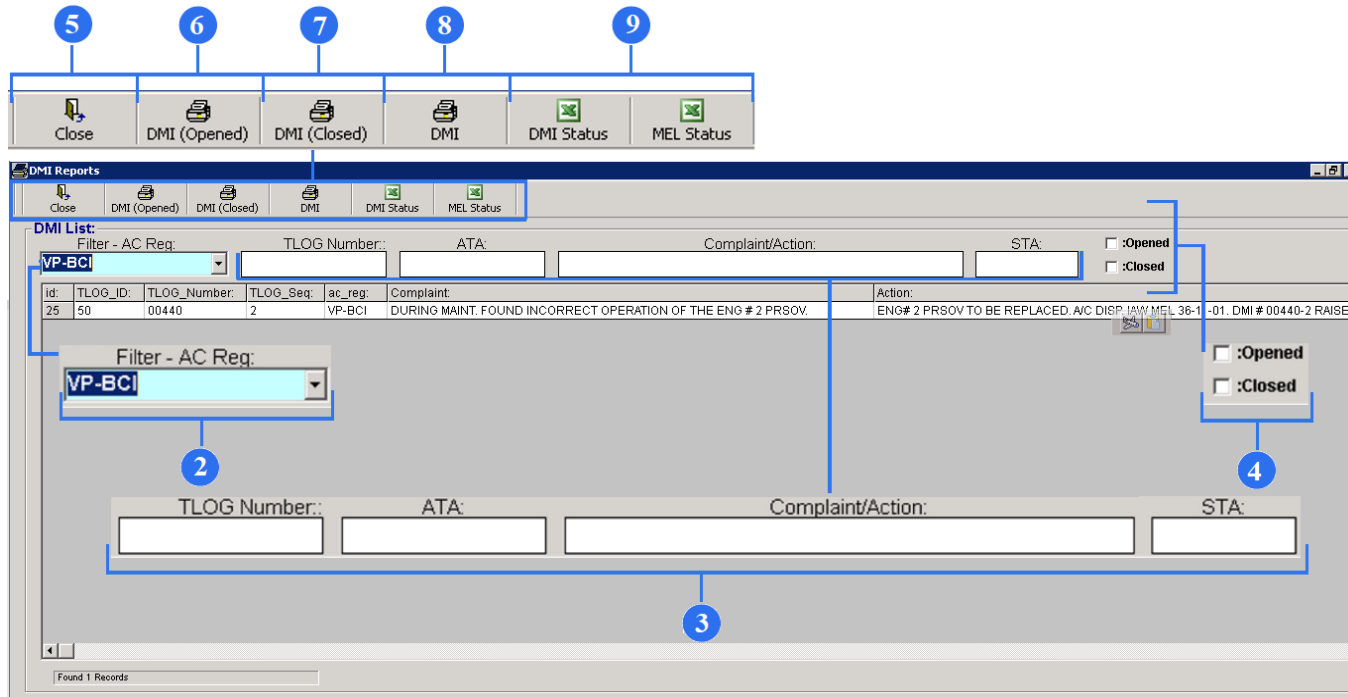
NIL

Transferred to DMI: Reason: M T E MEL Cat: Due Date: Due FH: Due FC: CRS by: CRS Date: CRS UTC: RII by: CRS STA: Hour: Minute: 0 0

Component Replacement (LRU):

CRS Date: 05/06/2019
CRS UTC: 18:46
CRS STA: HHN
OIL E1: 5
OIL E2: 3

1. Push “DMI Reports” button on the top toolbars and DMI list will be opened. DMI list presents the whole list of the all defects which are registered in the T/LOG.



2. Select aircraft registration.

3 You can find the definite defect using technical log book number or ATA number, also you can use the text from the Complaint field and from the Action field and if you remember airport station name.

4. You can tick “Opened” or “Closed” field as filters.

5. To close DMI List push “Close” button on the upper toolbars.

6. If you want to print all opened defects, click the DMI (Opened) button.

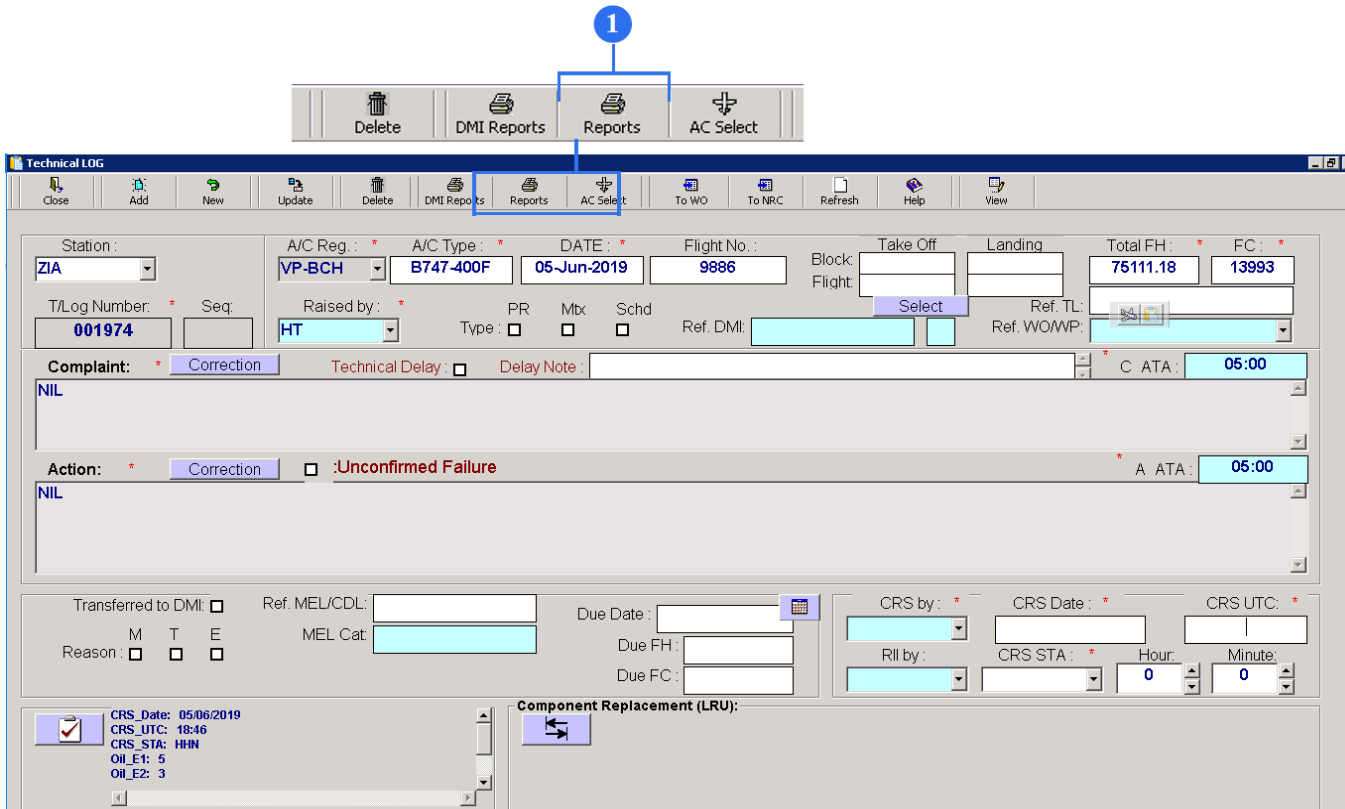
7. If you want to print all closed defects, click the DMI (Closed) button.

8. If you want to print definite defects, highlight the lines and push the “DMI” button

9. To transfer DMI data or MEL data to Excel use “DMI Status” and “MEL Status” buttons.

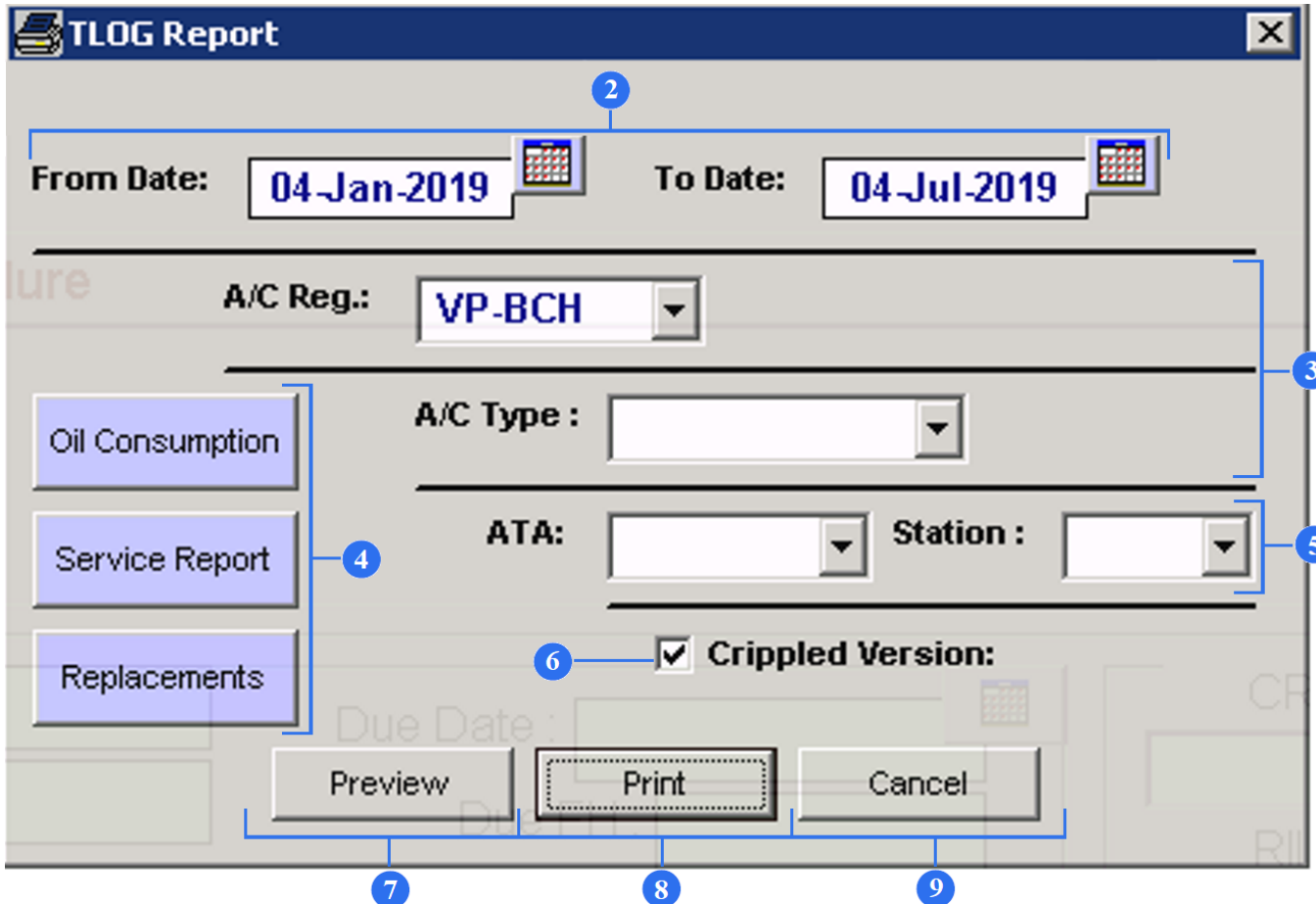
NOTE: From the whole of the defect list grey lines mean closed defects, and white lines are open defects.

6.2. TLOG reports



1. Push “Reports” button on the top toolbars and TLOG Report window will be opened.

T/Log Report allows to find aircraft maintenance history for any period.



The screenshot shows the 'TLOG Report' window with the following elements and callouts:

- 2**: Callout pointing to the calendar icons next to the 'From Date' and 'To Date' fields.
- 3**: Callout pointing to the 'A/C Reg.' dropdown menu.
- 4**: Callout pointing to the 'Service Report' button.
- 5**: Callout pointing to the 'ATA' and 'Station' dropdown menus.
- 6**: Callout pointing to the 'Crippled Version' checkbox.
- 7**: Callout pointing to the 'Preview' button.
- 8**: Callout pointing to the 'Print' button.
- 9**: Callout pointing to the 'Cancel' button.

2. Use calendar to choose a particular period.

3. Select aircraft registration.

4. Push “Oil Consumption” button to see oil consumption for particular period. Click on the “Service Report” button and you can monitor aircraft service history for particular period. “Replacements” button is needed to see replacement history.

5. If you want to see component replacement data for particular period, specify ATA number to select aircraft system and choose name of station where component was replaced.

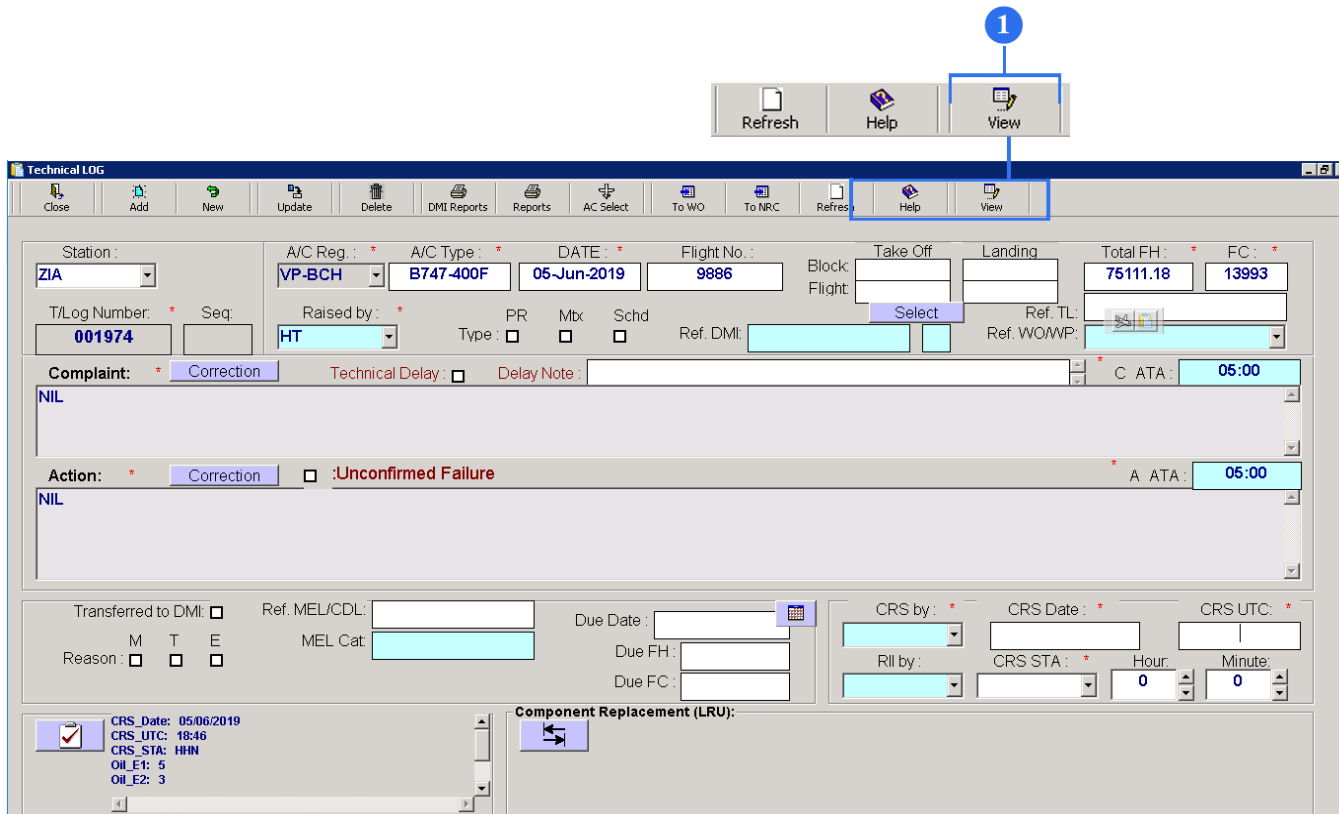
6. If you want to see shortened report tick the “Crippled Version”. To see the full report of the component replacement (with action text for example) remove the tick.

7. Click on the “Preview” button to see report.

8. Push “Print” button to print file immediately.

9. Click on the “Cancel” to close the TLOG Report window.

6.3. View



1. To monitor absolutely all creating T/Logs you can click on the “View” on the upper toolbars and T/Log list will open.

2. Select aircraft registration.

3 You can find the definite T/Log using technical log book number or ATA number, also you can use the text from the Complaint field and from the Action field and if you remember airport station name.

4. You can tick “DMI”, “Unconfirmed Failure”, “PR”, “MT”, “SCH” fields as filters.

5. To transfer save T/Logs to excel, push “Excel” button.

6. To make changes to any saved T/Log, move the cursor over the selected line and click on two times. Editor window will appear.

ID:	TLOG:	Seq:	STA:	AC_Reg:	Date:	Time:	Flight_No
943	ser	1	DUN	VP-BCH	04/07/2019		
618	001031		GVD	VP-BCH	20/06/2018	00:32	9307

Editor:

Type : PR Mbx Schd :Unconfirmed Failure

Technical Delay : Delay Note :

7

7. You can use different ticks or “Delay Note” field to make a change and push “Save” button, but to change other T/Log fields click on the “to Editor” to transfer to Technical LOG screen. Make a change and push the “Update” button on the upper screen to save changes.

“Cancel” button is needed to close Editor window.

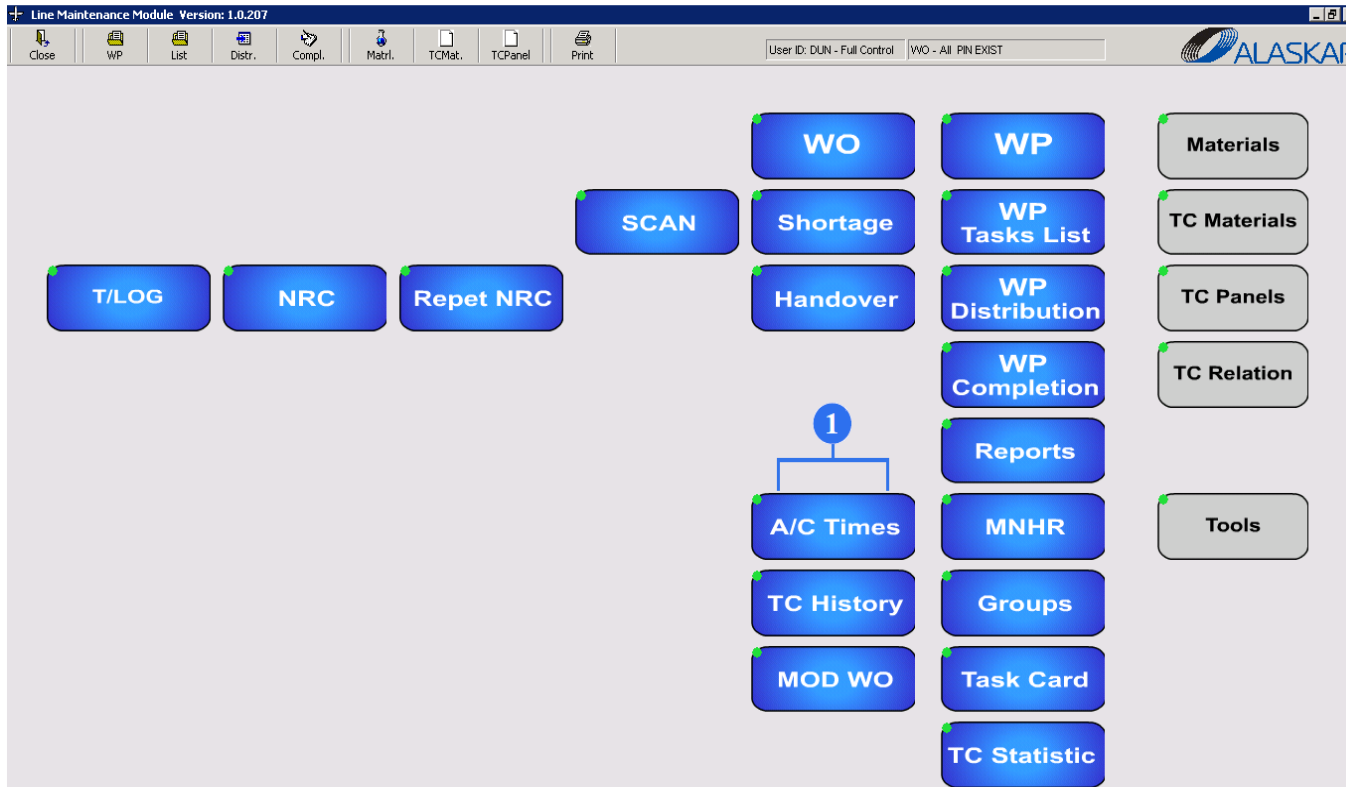
VII. A/C TIMES – AIRCRAFTS TIMES

User Guidance

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1. General Information



The A/C TIMES application allows users to register aircraft and APU utilization: total and the last flight cycles and hours. To begin to work with this submodule, you need click “A/C Times” button (1). Here you can see the whole list of aircraft data. On the right side of window there is Editor page for A/C utilization, APU utilization and ETOPS data.

The user’s manual consists of seven sections: General Information, Aircraft Utilization, APU Utilization, Penalty Registration, Flight data filters and printout, Correction and APU Check.

Aircraft Utilization section provides step by step overview of the total hours and cycles calculation. Also, it is offered ETOPS flight registration if it is necessary. If you performed maintenance procedure before flight, you can type all data of maintenance result in the special window.

APU Utilization section explains how to register total APU hours and total APU cycles. Also, this section allows to print APU temperature.

Penalty Registration section is necessary to register penalties that will be displayed in case of helicopter utilization registration or in case of any types of aircraft if there is special flight operation condition that affects the component resource.

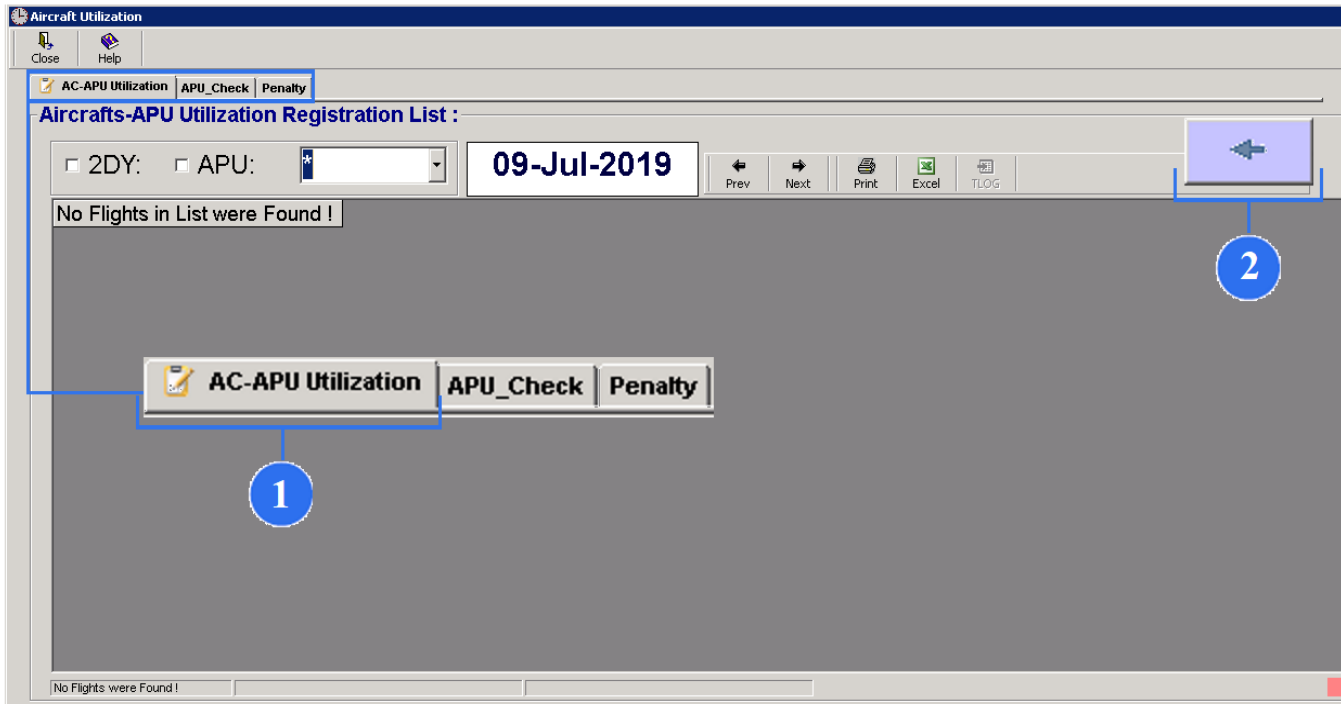
Flight Data Filters and Printout section gives you information about Date/A/C registration/APU utilization filters for quick searching of data. Also, you can know, how to transfer this data to Excel.

In case of incorrectly entered value or missing records you need correct AC Utilization value. Correction section provides recalculation of Total AC Utilization values from selected record to last record in sequence.

APU CHECK section allows to register APU start procedure in flight.

2. Aircraft Utilization

Aircraft Utilization section provides step by step overview of the total hours and cycles calculation. Also, it is offered ETOPS flight registration if it is necessary. If you performed maintenance procedure before flight, you can type all data of maintenance result in the special window.




1. To open an Aircrafts-APU Utilization Registration List, click on the AC-APU Utilization button.

2. To open the AC Utilization Editor, click on the arrow button.

AC Utilization | ETOPS | APU Utilization

AC Utilization Editor:

Add Update Delete Refresh

3 Date: * 
09-Jul-2019

4 A/C Reg: * A/C Type:

Flight No: From: To: TLOG: Seq.:

Maintenance **ETOPS** **5**

3. An Aircraft Editor will automatically generate a today's date. If the edit date is not today, use the calendar to select the correct flight date of proper aircraft.

4. Select aircraft registration. Aircraft type will appear automatically.

5. Write in Flight No/From/To fields

T/OFF:	LND:	
<input type="text"/>	<input type="text"/>	<input type="button" value="Calculate"/>
Hours: *	Cycles: *	
<input type="text" value="00:00"/>	<input type="text" value="1"/>	<input type="button" value="Calculate"/>
Total Hours: *	Total Cycles: *	
<input type="text" value="0"/>	<input type="text" value="0"/>	
Last Hours:	Last Cycles:	Last Date:
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input checked="" type="checkbox"/> According Schedule		Last TLOG:
Remarks:		<input type="text"/>
<input type="text"/>		
<input checked="" type="radio"/> No Penalty:	<input type="radio"/> Penalty:	<input type="button" value="Service"/>

6


6. Type the takeoff time and landing time (UTC), then click on the Calculate button, and the system will calculate flight hours. Also, you can manual fill Hours field without calculation.

7

7. To calculate total hours and total cycles, click on the Calculate button. Last Hours and Last Cycles fields are refilled by the system automatically. The Last Date information and Last TLOG data are also provided

AC Utilization | ETOPS | APU Utilization

AC Utilization Editor:

 Add | Update | Delete | Refresh

8

Date: * A/C Reg: * A/C Type:

Flight No: From: To: TLOG: Seq.:

8. Click on the ADD button (at the top of the editor) to save data.

NOTE: Fields with a reference marks (*) are mandatory to fill. 'TLog' field can be also filled as 'N/A'.

NOTE: In case of incorrectly entered value or missing records "Correction" button is used to recalculation new total hours value. More information you can see in the Correction chapter on the page 19.

Aircraft Utilization

Close Help

AC-APU Utilization APU_Check Penalty

Aircrafts-APU Utilization Registration List :

2DY: APU: **VP-BCH** **2019** Prev Next Print Excel TLOG

ID:	REG:	Date TOFF:	Flight:	From:	To:	TOFF:	LND:	TLOG:	Hours:	Cycles:	Total Hours:
53528	VP-BCH	2019-01-21	MAINT	GYD	GYD			001880	00:00	0	74674.05
53549	VP-BCH	2019-02-14	MAINT	GYD	GYD			001881	00:00	0	74674.05
53559	VP-BCH	2019-02-27	MAINT	GYD	GYD			001882	00:00	0	74674.05
53618	VP-BCH	2019-04-06 11:17	9307	GYD	MST	11:17	15:56	001883	04:39	1	74678.44
53619	VP-BCH	2019-04-07 08:07	9308	MST	GYD	08:07	12:41	001884	04:34	1	74683.18
53620	VP-BCH	2019-04-08 16:21	9501	GYD	HKG	16:21	00:27	001885	08:06	1	74691.24
53621	VP-BCH	2019-04-09 02:38	9854	HKG	SVO	02:38	12:17	001886	09:39	1	74701.03
53623	VP-BCH	2019-04-09 16:09	9305	SVO	MST	16:09	19:03	001887	02:54	1	74703.57

9

9. You can see saved aircraft utilization data on the Aircrafts-APU Utilization Registration List.

AC Utilization | ETOPS | APU Utilization

AC Utilization Editor:

Add Update Delete Refresh

Date: * A/C Reg: * A/C Type:

Flight No: From: To: TLOG: Seq.:

Add Update Delete Refresh

10 11 12

10. You can update the new data. Highlight the line (view 9) and click on the UPDATE button.

11. To remove flight data of the corresponding aircraft, highlight the line (view 9) and click on the DELETE button.

12. To reset all data, click on the REFRESH button.

<input type="checkbox"/> Maintenance	<input checked="" type="checkbox"/> ETOPS 14	
T/OFF:	LND:	<input type="button" value="Calculate"/>
<input type="text" value=""/>	<input type="text" value=""/>	<input type="button" value="Calculate"/>
Hours: *	Cycles: *	
<input type="text" value="00:00"/>	<input type="text" value="1"/>	
Total Hours: *	Total Cycles: *	
<input type="text" value="0"/>	<input type="text" value="0"/>	
Last Hours:	Last Cycles:	Last Date:
<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>
<input checked="" type="checkbox"/> According Schedule		Last TLOG:
Remarks:		<input type="text" value=""/>
<input type="text" value=""/>		
<input checked="" type="radio"/> No Penalty:	<input type="radio"/> Penalty: 13	<input type="button" value="Service"/>

13. Registering Airplane Utilization, tick the No Penalty field. It is necessary for any types of aircraft if there is special flight operation condition that affects the component resource. More information you can see in the "Penalty registration" chapter on the page 15.

14. If it is ETOPS flight, tick the ETOPS field.

15

AC Utilization | **ETOPS** | **APU Utilization**

AC Utilization Editor:

Add Update Delete Refresh

Date: * A/C Reg: * A/C Type:

Flight No: From: To: TLOG: Seq.:

15. To open ETOPS Editor, click ETOPS button on the top of the Editor list.

AC Utilization | ETOPS | APU Utilization

ETOPS Editor:

18 20 21 22

Date: A/C Reg: A/C Type:

Flight No: From: To: TLOG: Seq.:

16

ETOPS IN (HH:MM): * ETOPS OUT (HH:MM): * ETOPS TIME:

17

ID:	ETOPS_IN:	ETOPS_OUT:	ETOPS_TIME:
4	10:00	12:00	02:00

19

Found 1 Flight Leg according to ETOPS

16. Data such as Date, A/C Reg, A/C Type, Flight No, From, To and TLOG will appear automatically.

17. Type the ETOPS IN time and ETOPS OUT time. The system automatically calculates ETOPS time difference.

18. Click on the ADD button (at the top of the editor) to save data.

19. You can see saved ETOPS data on the ETOPS Editor List below.

20. You can update the new ETOPS data. Highlight the line (view 19) and click on the UPDATE button.

21. To remove ETOPS data, highlight the line (view 19) and click on the DELETE button.

22. To reset all ETOPS data, click on the REFRESH button.

AC Utilization | ETOPS | APU Utilization

AC Utilization Editor:

Add Update Delete Refresh

Date: * A/C Reg: * A/C Type:

Flight No: From: To: TLOG: Seq.:

Maintenance **ETOPS**

T/OFF: Hours: * LND: Cycles: *

Total Hours: * Total Cycles: *

Last Hours: Last Cycles: Last Date:

Last TLOG:

According Schedule
Remarks:

No Penalty: Penalty: 24

23. You can tick Maintenance field and According Schedule field as supporting information.

24. Click on the Service button if you performed maintenance procedure (oil servicing, refuel operation, tire pressure check, work orders). You will see TLOG LINE CHECK window.

TLOG LINE CHECK

Station :

TLog Number: * Seq:

28 29

25

A/C Reg.: *

A/C Type: *

DATE: *

TIME: hh:mm

Flight No.:

FH: *

FC: *

Raised by: * PR Mtx Schd

 Type:

Ref. WO/WP:

26

Wheel Pressure, Psi

	NW1:	NW2:	MW1:	MW2:	MW3:	MW4:
Checked:	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
Inflated to:	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>

Oils, Qt

APU rem:	<input type="text" value="0"/>	GD1:	<input type="text" value="0"/>
E1 rem:	<input type="text" value="0"/>	GD2:	<input type="text" value="0"/>
E1:	<input type="text" value="0"/>	GD3:	<input type="text" value="0"/>
E2 rem:	<input type="text" value="0"/>	GD4:	<input type="text" value="0"/>
E2:	<input type="text" value="0"/>	Strt1:	<input type="text" value="0"/>
E3 rem:	<input type="text" value="0"/>	Strt2:	<input type="text" value="0"/>
E3:	<input type="text" value="0"/>	Strt3:	<input type="text" value="0"/>
E4 rem:	<input type="text" value="0"/>	Strt4:	<input type="text" value="0"/>
E4:	<input type="text" value="0"/>		

Fuel Info:

PRIOR FUELLING:

UPLIFT:

DEPARTURE:

ARRIVAL:

CRS by: * CRS Date * CRS UTC: *

Rll by: CRS STA: * Hour: Minute:

FF/TR: DY/SC: WY: L-Check:

27

25. Data such as Station, TLOG Number, A/C Reg, A/C Type, Date, TIME hh:mm, Flight No, FH and FC will appear automatically.

26. Select the authorization number ("Raised by" field), click type of maintenance and print work order or work package number.

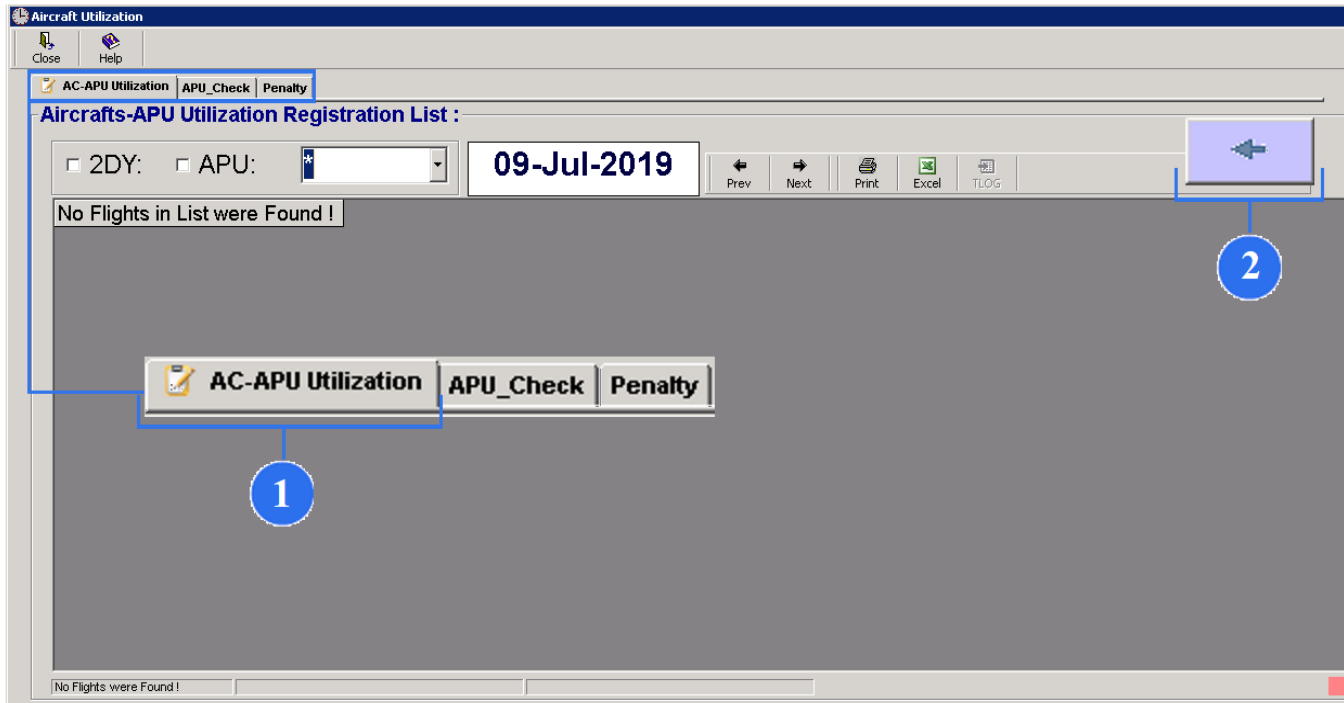
27. Type all data of maintenance result.

28. Click on the ADD button to save data.

29. To reset all maintenance data, click on the REFRESH button.

3. APU Utilization

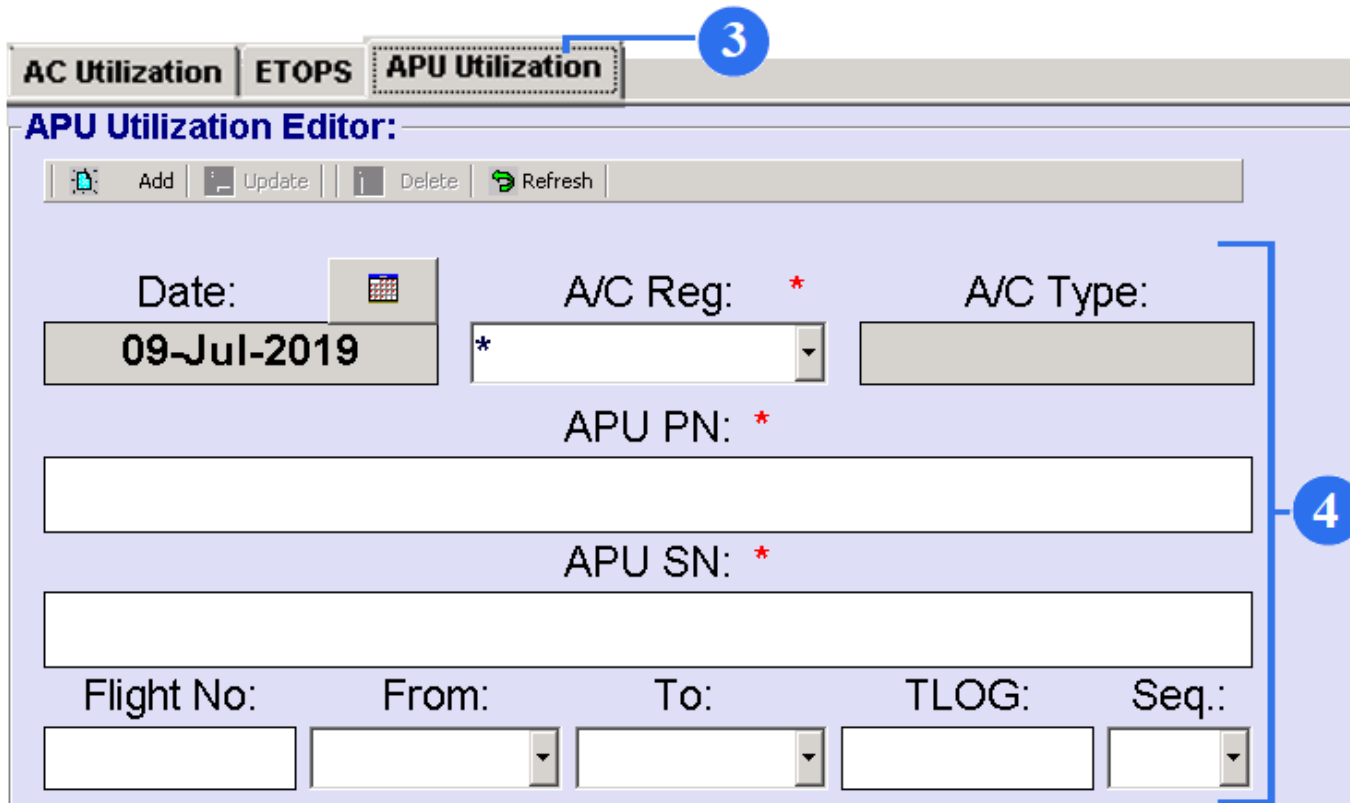
APU Utilization section explains how to register total APU hours and total APU cycles. Also, this section allows to print APU temperature.



1. To open an Aircrafts-APU Utilization Registration List, click on the AC-APU Utilization button.

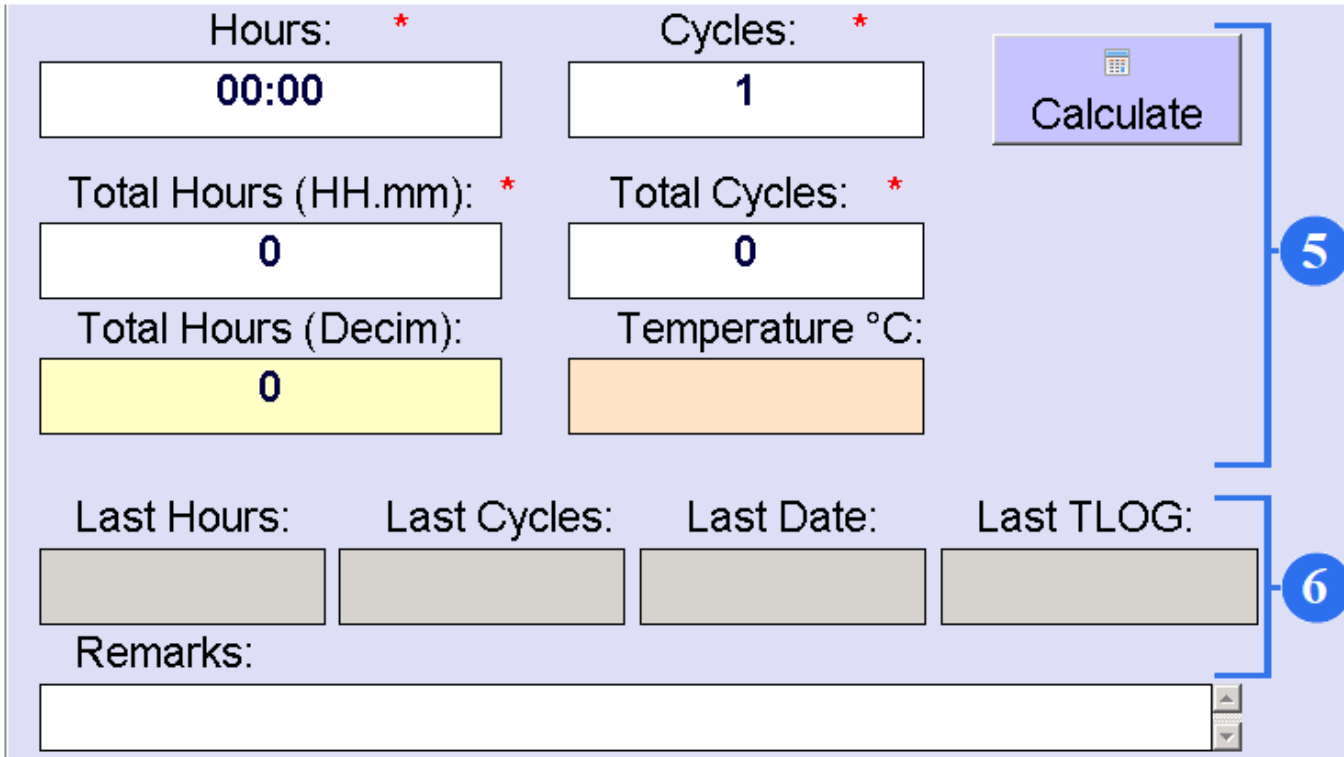
2. To open the APU Utilization Editor, click on the arrow button.

NOTE: Fields with a reference marks (*) are mandatory to fill. 'TLog' field can be also filled as 'N/A'.



3. Select APU Utilization tab at the top of the editor.

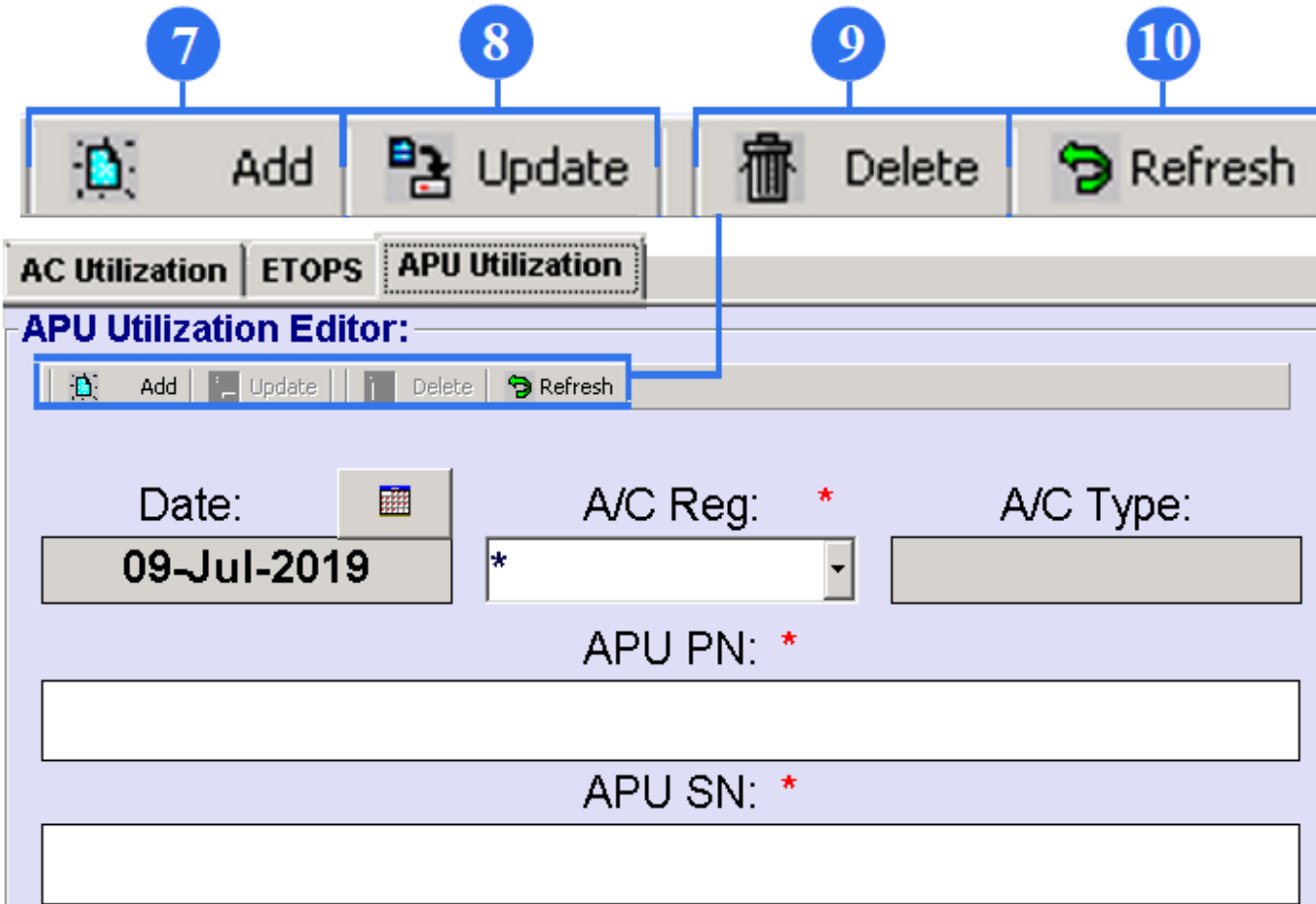
4. An APU Editor will automatically generate a today's date. If the edit date is not today, use the calendar to select the correct flight date of proper aircraft. Select aircraft registration. Aircraft type will appear automatically. Write in Flight No/From/To and TLOG fields.



Hours: *	Cycles: *	Calculate	
00:00	1		
Total Hours (HH.mm): *	Total Cycles: *	5	
0	0		
Total Hours (Decim):	Temperature °C:	6	
0			
Last Hours:	Last Cycles:	Last Date:	Last TLOG:
Remarks:			

5. Type hours and cycles. To calculate total hours and cycles click on the Calculate button. Total Hours (HH.mm) field lets you to read APU total hours in decimal value. Also, you can type temperature data.

6. The Last Hours, Last Cycles, Last Date and Last TLOG are also provided.



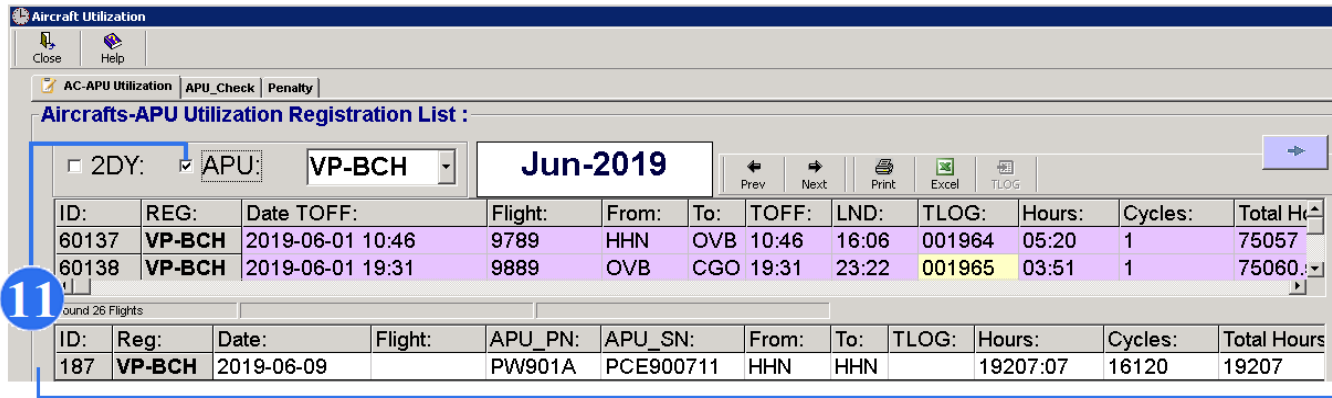
The screenshot shows the 'APU Utilization Editor' interface. At the top, there are four buttons: 'Add' (7), 'Update' (8), 'Delete' (9), and 'Refresh' (10). Below these buttons is a navigation bar with 'AC Utilization', 'ETOPS', and 'APU Utilization' tabs. The 'APU Utilization Editor' section contains a sub-toolbar with 'Add', 'Update', 'Delete', and 'Refresh' buttons. Below the toolbar are four input fields: 'Date' (with a calendar icon and value '09-Jul-2019'), 'A/C Reg:' (with a dropdown menu and a red asterisk), 'A/C Type:' (with a text input field), 'APU PN:' (with a red asterisk), and 'APU SN:' (with a red asterisk).

7. Click on the ADD button to save data.

8. You can update the new APU data. Highlight the line (view 12) and click on the UPDATE button.

9. To remove APU data, highlight the line (view 12) and click on the DELETE button.

10. To reset all APU data, click on the REFRESH button.



ID:	REG:	Date TOFF:	Flight:	From:	To:	TOFF:	LND:	TLOG:	Hours:	Cycles:	Total H
60137	VP-BCH	2019-06-01 10:46	9789	HHN	OVB	10:46	16:06	001964	05:20	1	75057
60138	VP-BCH	2019-06-01 19:31	9889	OVB	CGO	19:31	23:22	001965	03:51	1	75060

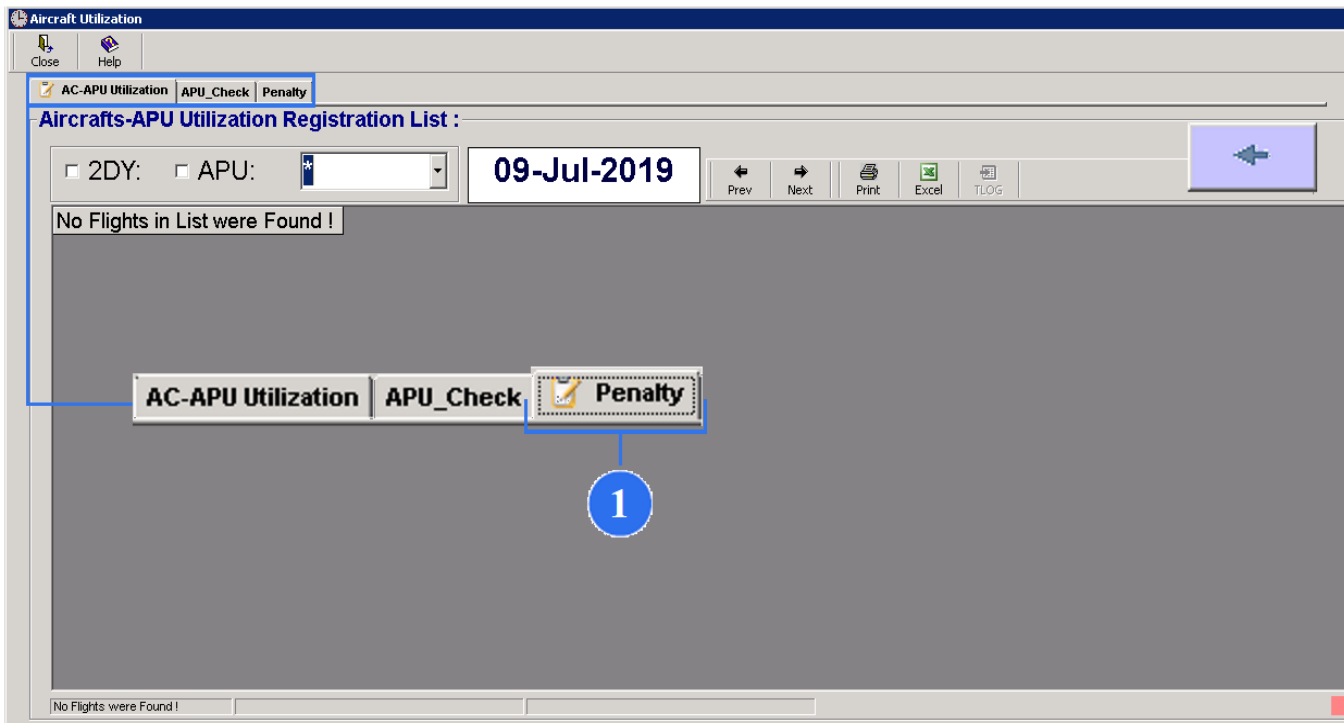
ID:	Reg:	Date:	Flight:	APU_PN:	APU_SN:	From:	To:	TLOG:	Hours:	Cycles:	Total Hours
187	VP-BCH	2019-06-09		PW901A	PCE900711	HHN	HHN		19207:07	16120	19207

11. To see save APU data, it is necessary to tick APU field on the Aircrafts-APU Utilization Registration List.

12. You will see two fields: upper field is Aircraft utilization data and down field is APU utilization data.

1. Penalty Registration.

Penalty Registration section is necessary to register penalties that will be displayed in case of helicopter utilization registration or in case of any types of aircraft if there is special flight operation condition that affects the component resource.



1. Click on the Penalty button to open Utilization Penalty List.

NOTE: Do not forget click Penalty field on the AC UTILIZATION EDITOR page.

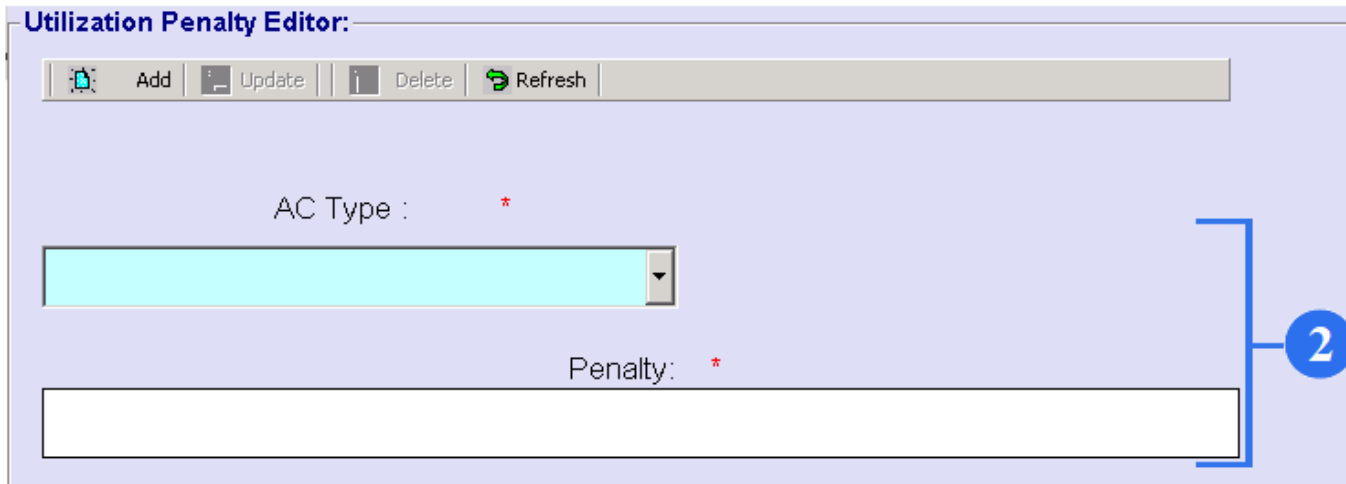
NOTE: Fields with a reference marks (*) are mandatory to fill.

Utilization Penalty Editor:

Add Update Delete Refresh

AC Type : *

Penalty: *



2. Select aircraft type and fill Penalty field by flight condition (for example- 27 nots wind).

FH Penalty:

Fix Value:

X Value:

+ Value:

FH Penalty Formula:

FC Penalty:

Fix Value:

X Value:

+ Value:

FC Penalty Formula:

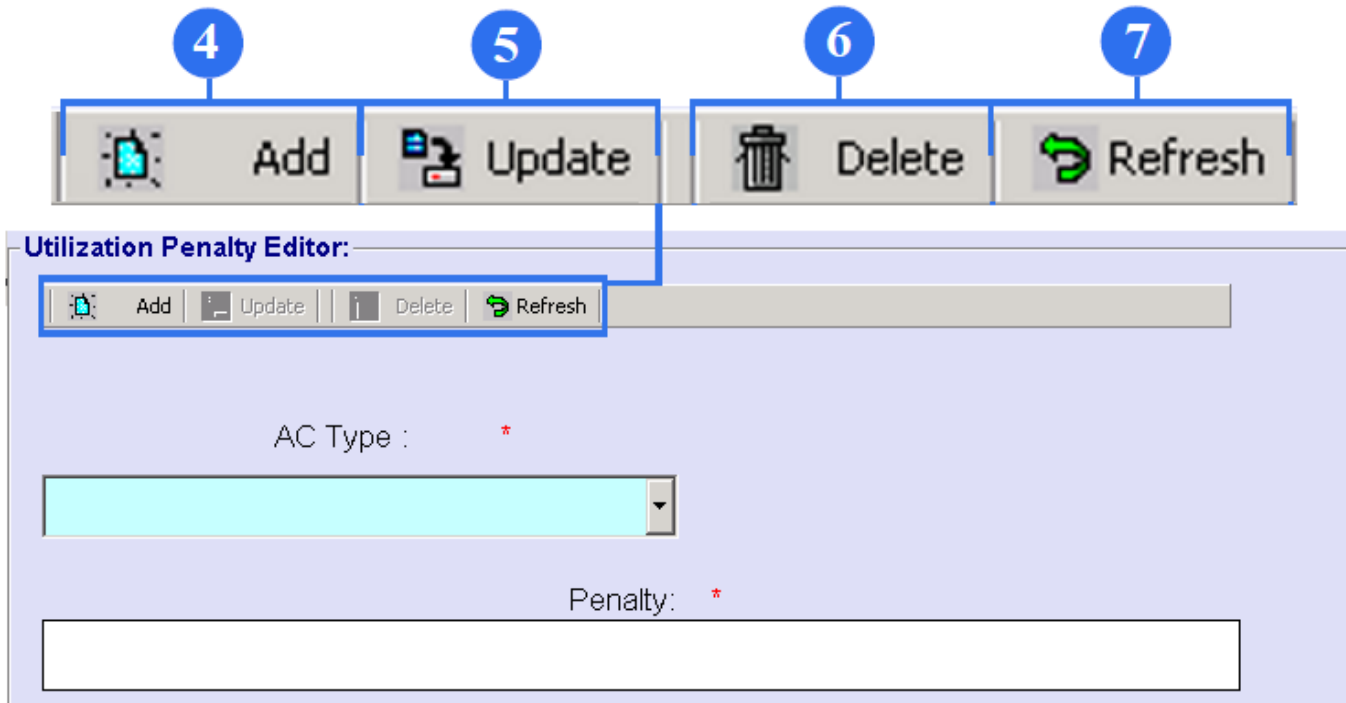
Remarks:

3

3. All Penalties (Flight Hours/Cycles) can be:

- Fixed – “Fix”
- Multiplied – “X”
- Added – “+”

Type the value for penalty.



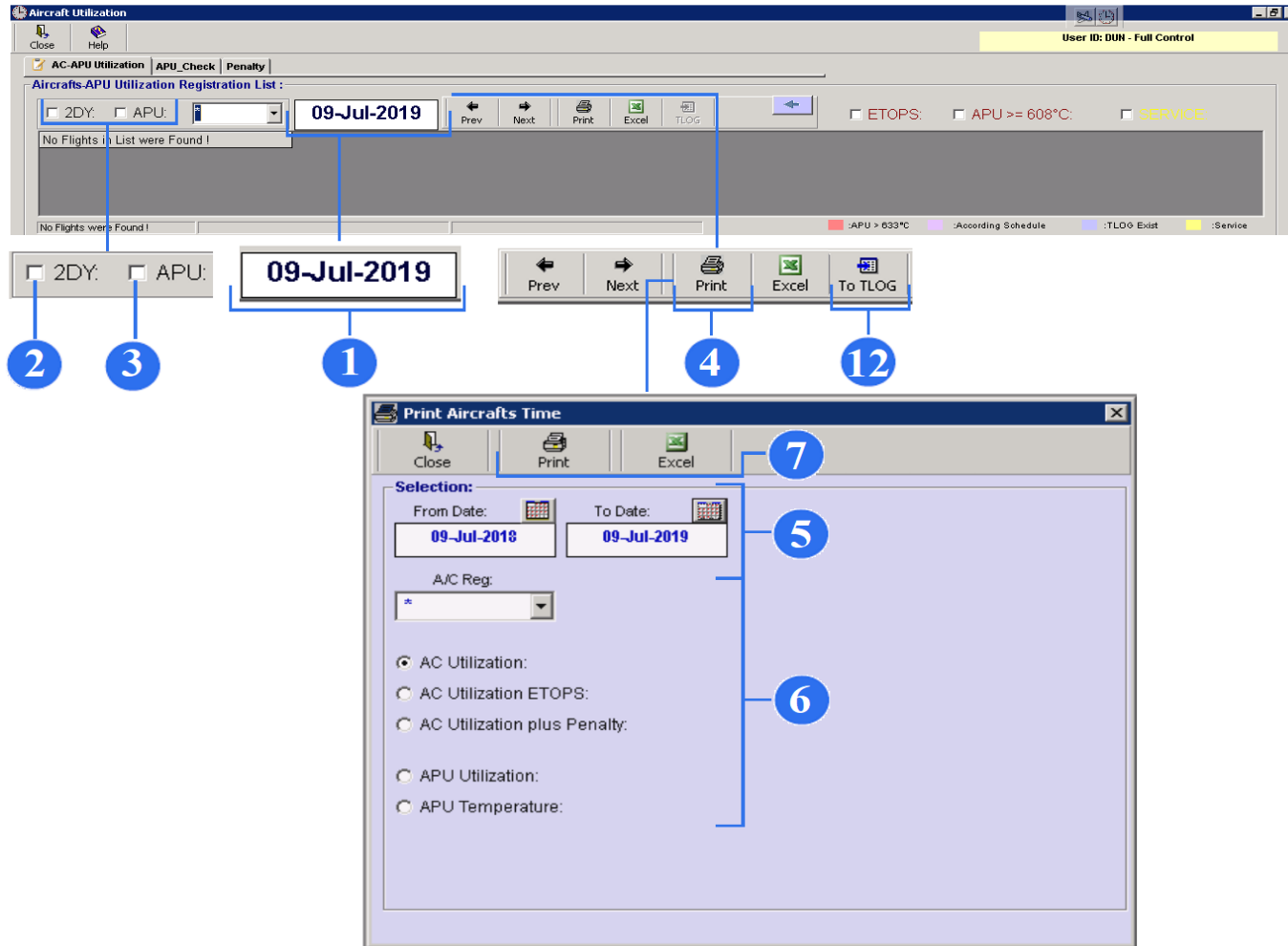
4. Click on the ADD button to save.

5. You can update a penalty. Highlight it from the list of penalties, make changes and click on the update.

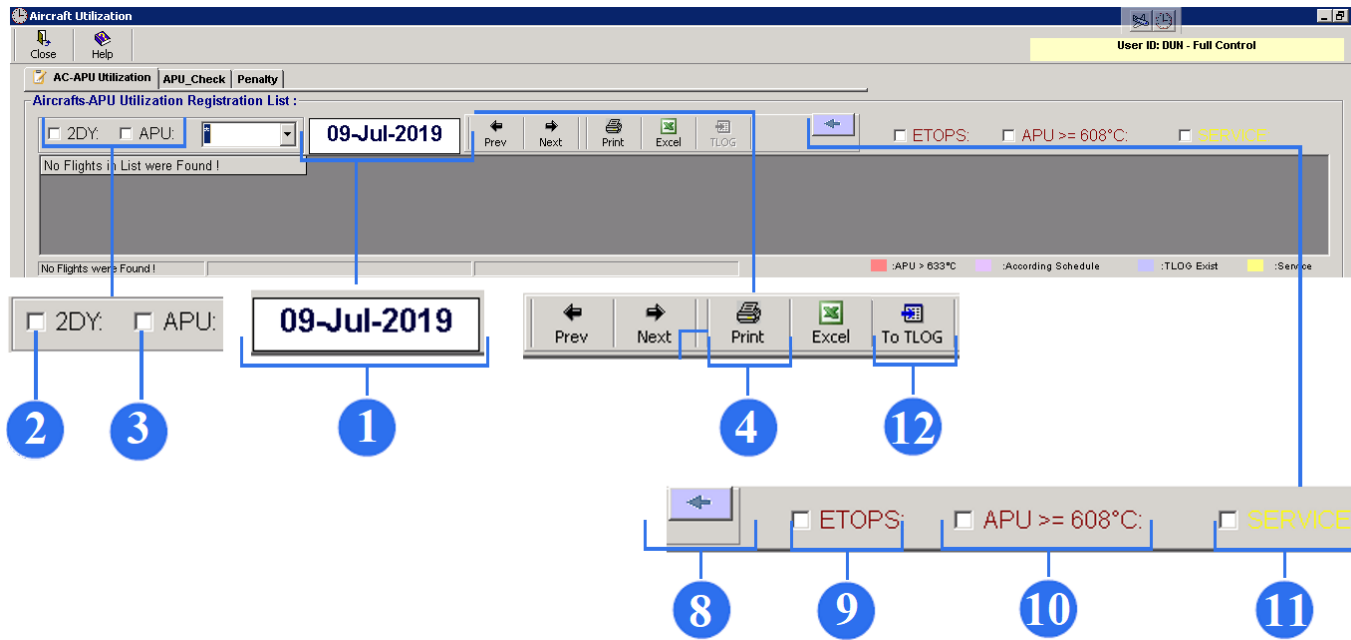
6. You can delete a penalty. Highlight it and click on the DELETE button.

7. To reset all data, click on the REFRESH button.

2. Flight Data Filters and Printout.



1. You can view flights of a selected aircraft at a particular date. For this action enter a necessary date in the date field.
2. If you need to view flights of the day before a particular date, tick the “2DY” field.
3. To view registered APU, tick the “APU” field.
4. You can print out flight data within a particular period of time. Click on the PRINT button.
5. Select from date and to date.
6. Select an aircraft and type of AC or APU data.
7. Click on the PRINT button. To view and print aircrafts time in the Excel format, click on Excel button.
8. Push needle button and Editor page will disappear.
9. Tick the ETOPS field to select from the whole list of the aircraft utilization only lines with ETOPS status.
10. Tick the APU>=608°C field to select from the whole list of the aircraft utilization only lines with APU editor data, where temperature is more than 608°C.
11. Tick the SERVICE field to select from the whole list of the aircraft utilization only lines, where there are service during pre-flight check.



12. If there was maintenance during pre-flight check for example after arrival report about system failure, push "To TLOG" button to write in your action. TLOG submodule filling rule you can see in TLOG user guidance. (PART M module → select TLOG submodule

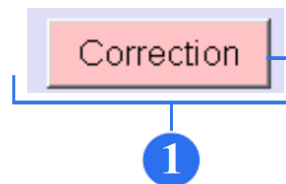
→ select HELP insert).

3. Correction

In case of incorrectly entered value or missing records you need correct AC Utilization value. Correction section provides recalculation of Total AC Utilization values from selected record to last record in sequen

The screenshot displays the 'Aircraft Utilization' software interface. On the left, there is a table titled 'Aircrafts: APU Utilization Registration List' for the year 2019. The table columns include ID, REG, Date, TOFF, Flight, From, To, TOFF, LND, TLOG, Hours, Cycles, and Total Hours. The right side of the interface features the 'AC Utilization Editor' form, which includes fields for Date (27-Feb-2019), A/C Reg (VP-BCH), A/C Type (B747-400F), Flight No (MAINT), From (BBB), To (AAA), and TLOG (001882). It also has input fields for Hours (00:00) and Cycles (0), and summary fields for Total Hours (74674.05) and Total Cycles (13913). A 'Correction' button is highlighted with a red box and a blue arrow pointing to a circled '1' below it.

1. Select on the Aircraft-APU Utilization Registration List the record needs to be corrected and push "Correction button" on the AC Utilization Editor and correction editor will be run.



NOTE: Correction editor consist of two frames. Upper frame is called by Aircraft Time Correction. It shows current value (selected record). Lower frame is called by Corrected Value. It permits to correct hours and cycles and show s new Total AC Utilization values from selected record to last record in sequence.

Aircraft Time Correction:

Date:	A/C Reg.:	Flight:	TLOG:	Seq:
07-01-2019	VQ-BWY		02949	

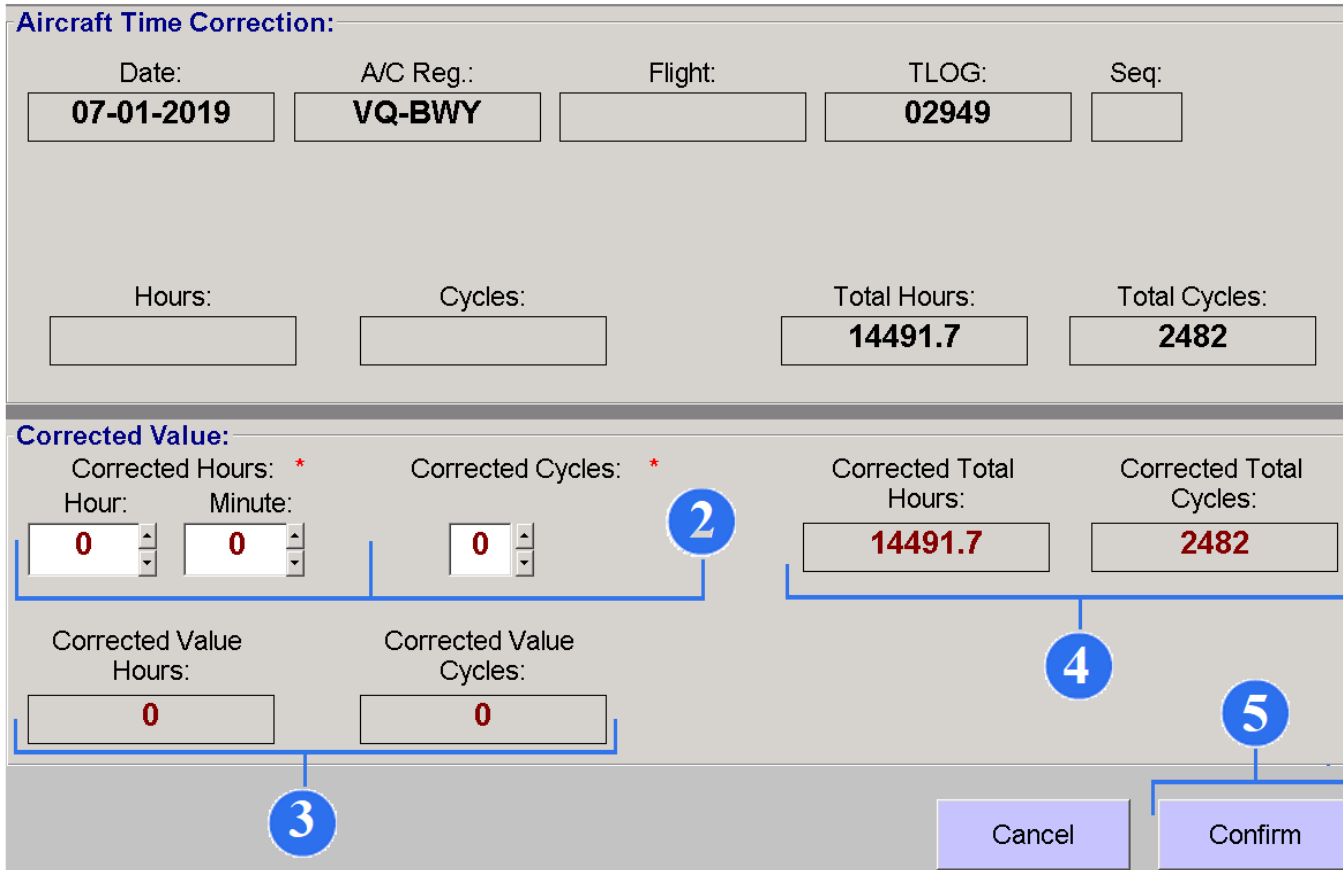
Hours:	Cycles:	Total Hours:	Total Cycles:
		14491.7	2482

Corrected Value:

Corrected Hours: *		Corrected Cycles: *	Corrected Total Hours:	Corrected Total Cycles:
Hour:	Minute:			
0	0	0	14491.7	2482

Corrected Value Hours:	Corrected Value Cycles:
0	0

Cancel Confirm



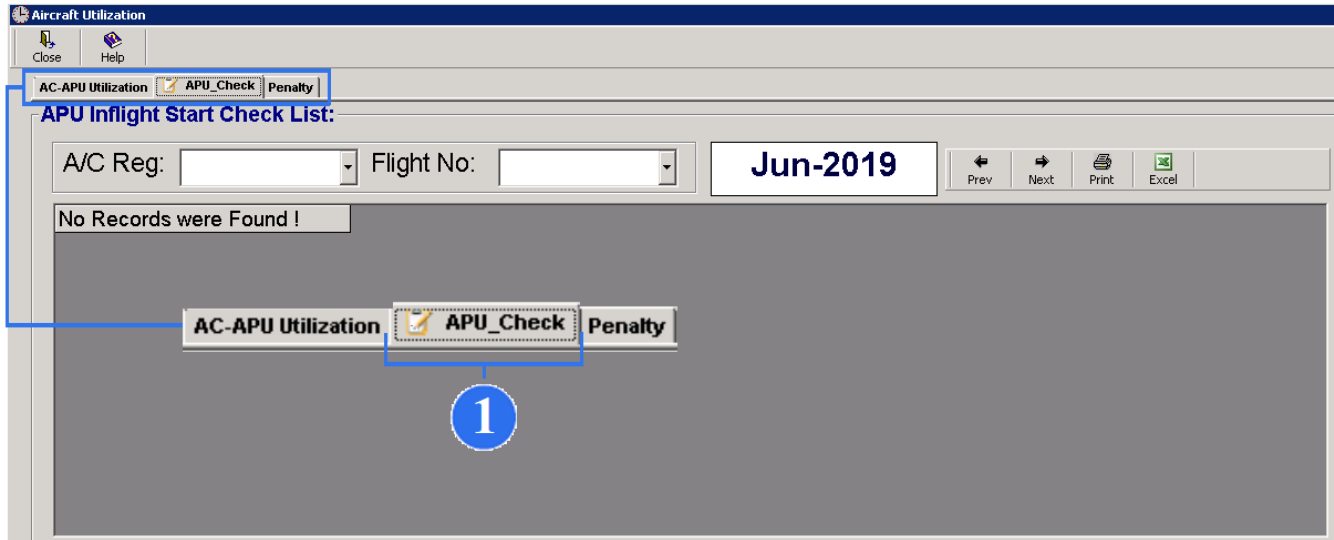
2. Type new hours and minutes. You can also type new cycles.
3. Difference of the hours and cycles will automatically appear.
4. You can see corrected total hours and total cycles data.
5. Push “Confirm” button to run recalculation of Total AC Utilization values from selected record to last record in sequence.

In case of missing records do these steps:

- Enter the missing record (see Aircraft Utilization chapter on the page 3);
 - Select record above newly inserted record;
 - Open correction editor (push “Correction” button)
- To run recalculation, click “Confirm” button with zero corrected value.

4. APU Check

APU CHECK section allows to register APU start procedure in flight.



1. APU Check is used to register APU start in flight. To open an APU Inflight Start Check List, click on the APU Check button.

NOTE: Fields with a reference marks (*) are mandatory to fill.

APU Inflight Check Editor:

Add Update Delete Refresh

Date: * A/C Reg: * Flight No: *

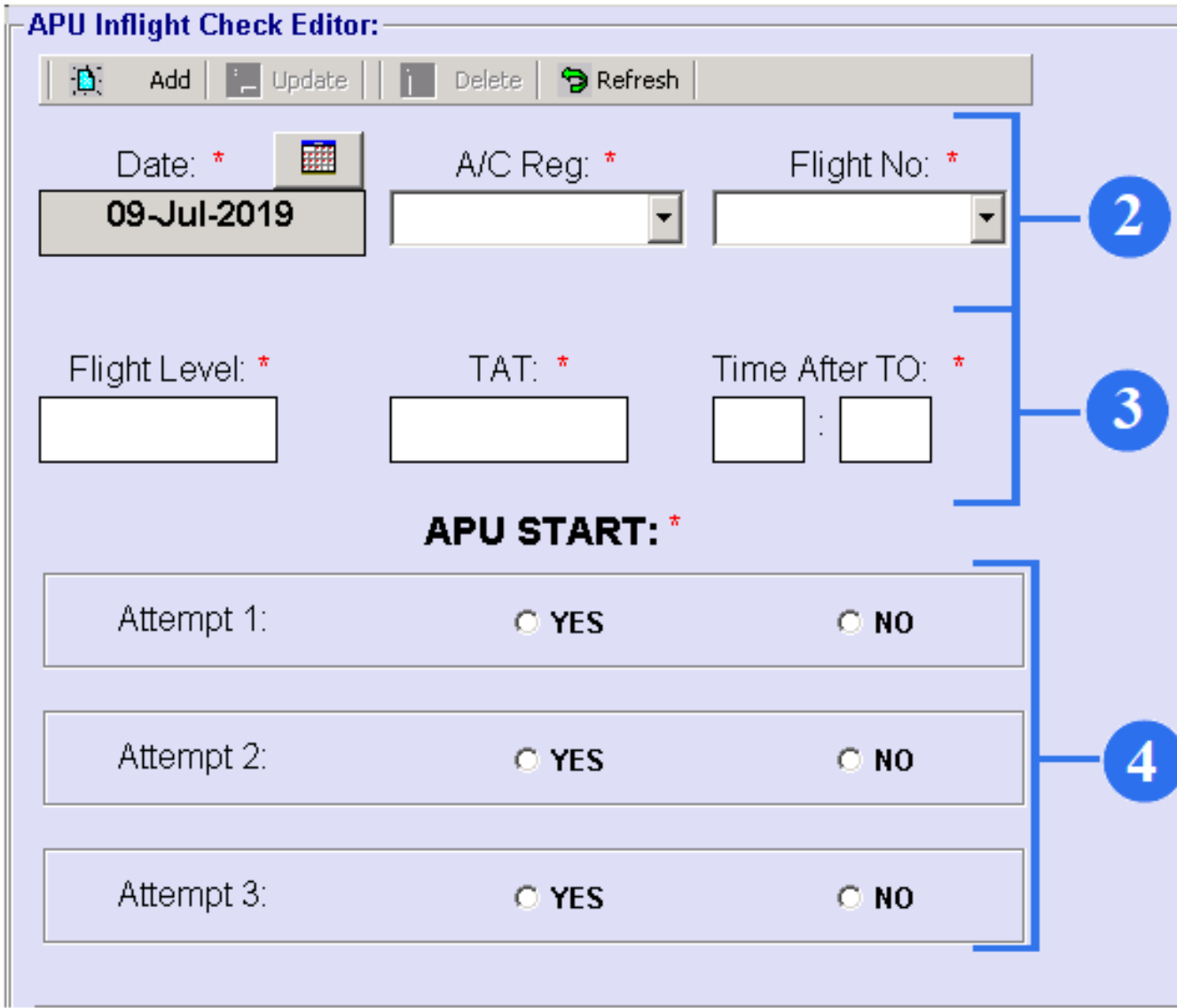
Flight Level: * TAT: * Time After TO: * :

APU START: *

Attempt 1: YES NO

Attempt 2: YES NO

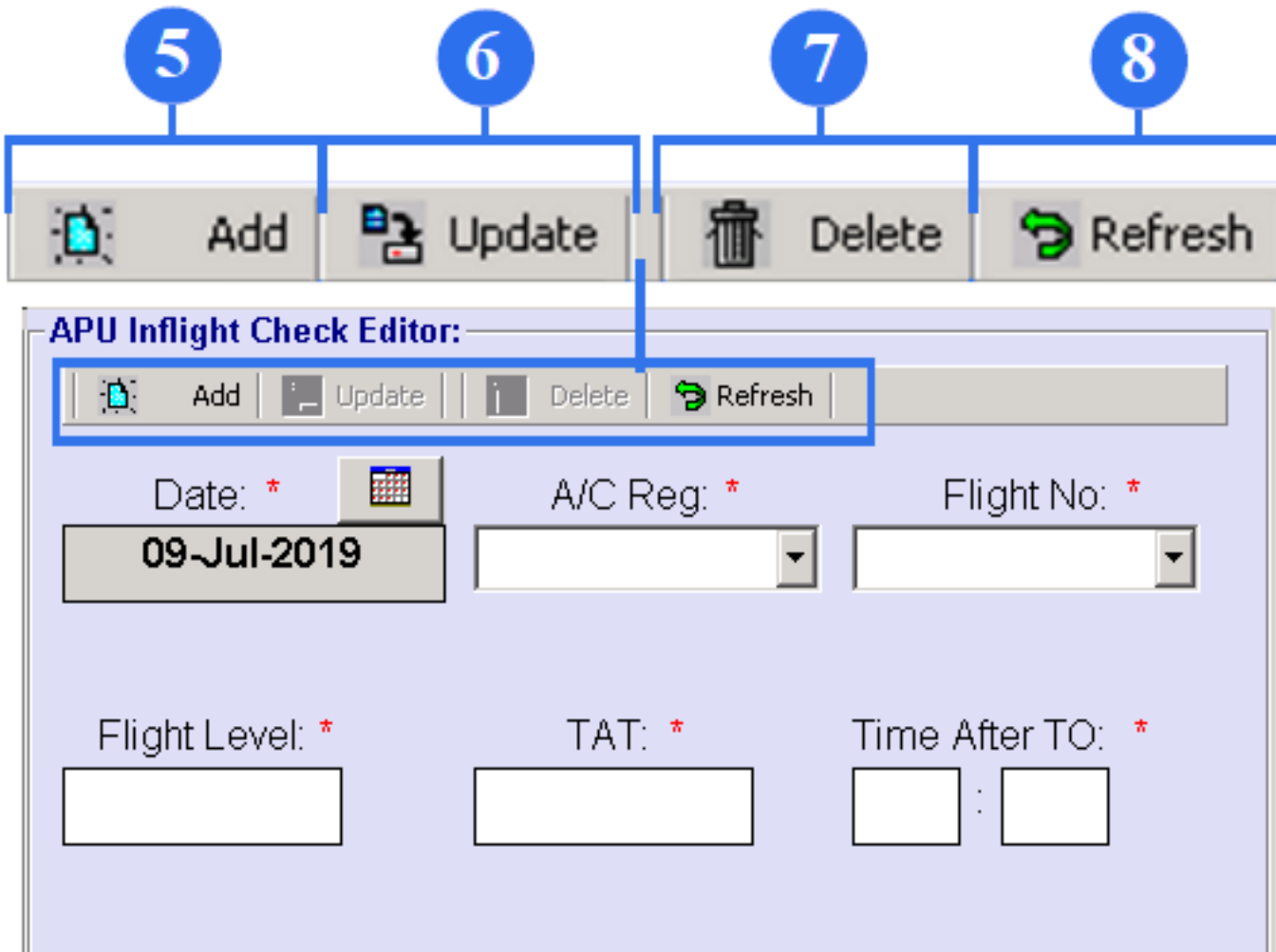
Attempt 3: YES NO



2. An APU Inflight Check Editor will automatically generate a today's date. If the edit date is not today, use the calendar to select the correct flight date of proper aircraft. Select aircraft registration and type Flight No.

3. Write in Flight Level/TAT/Time After TO fields.

4. Tick Yes/No opposite each attempt.



The screenshot shows the 'APU Inflight Check Editor' interface. At the top, there is a toolbar with four buttons: 'Add', 'Update', 'Delete', and 'Refresh'. Each button is highlighted with a blue circle and a number: 5 for 'Add', 6 for 'Update', 7 for 'Delete', and 8 for 'Refresh'. Below the toolbar, the form contains several input fields: 'Date: *' with a calendar icon and the value '09-Jul-2019'; 'A/C Reg: *' with a dropdown menu; 'Flight No: *' with a dropdown menu; 'Flight Level: *' with a text input field; 'TAT: *' with a text input field; and 'Time After TO: *' with two text input fields separated by a colon.

5. Click on the ADD button to save data.

6. You can update the new data. Highlight the line (view 9) and click on the UPDATE button.

7. To remove APU inflight check data of the corresponding aircraft, highlight the line (view 9) and click on the DELETE button.

8. To reset all data, click on the REFRESH button.

Aircraft Utilization

Close Help

AC-APU Utilization APU_Check Penalty

APU Inflight Start Check List:

A/C Reg: Flight No: Jun-2019

ID:	Date:	AC_Reg:	Flight:	FltLevel:	TAT:	TimeAfterTO:	Attempt1:	Attempt2:	Attempt3:
1	2019-06-27	VP-BCI	123	123	12	12 : 12	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

9

9. You can see APU inflight check data on the APU Inflight Start Check List.

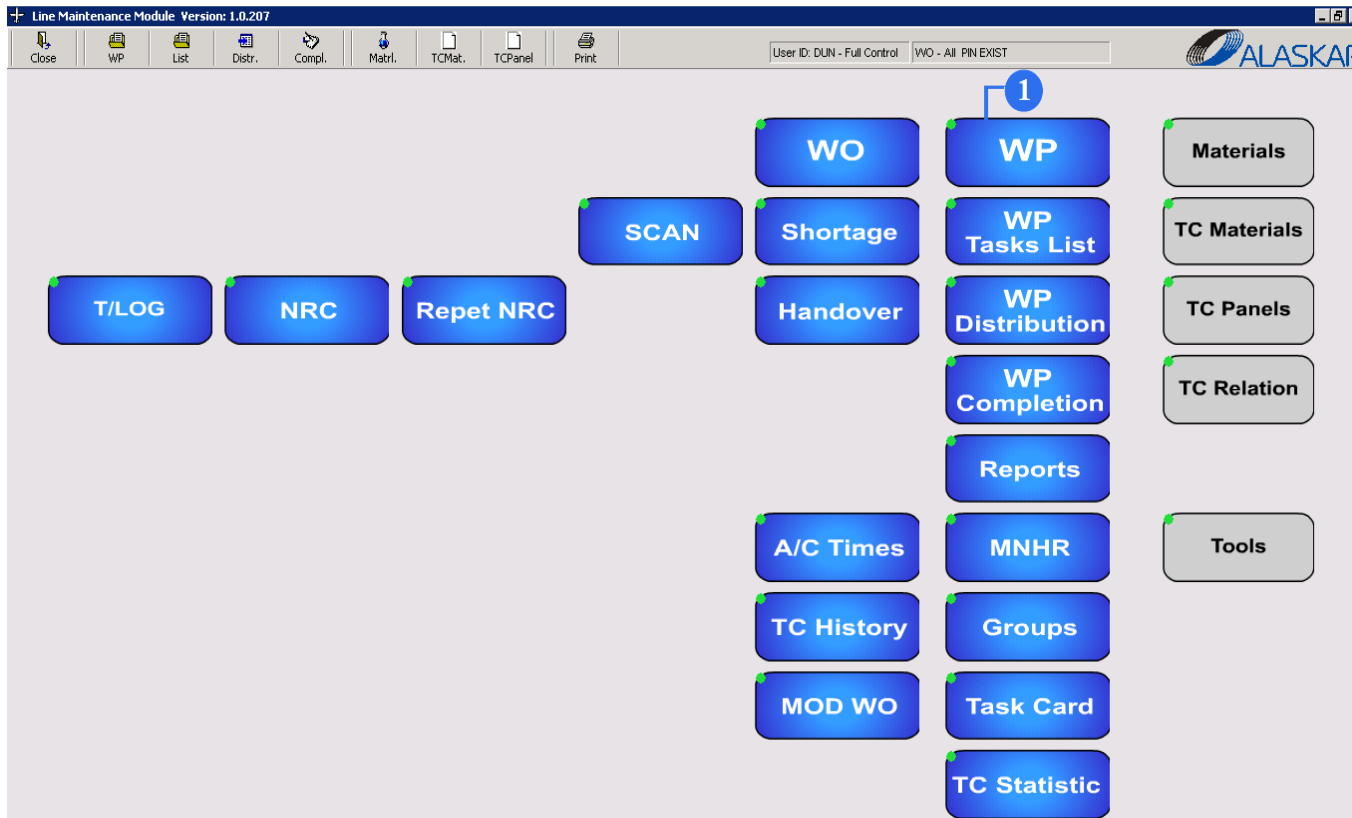
VIII. WORK PACKAGE

User Guidance

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5. Work Package Print out and Deletion.....	167

1. Work Package Overview.



1. To open a Work Package, click on the work Package button.

Work Order Registration Screen combines three blocks of information:

1. Customer Order References Block provides a WO number, revision and input date, work notes, etc.

Line Maintenance Work Package Registration

Close New Unlock Update Delete Close Select Refresh Print BOM: 202001-L0002 Activate WO: 10 MNHR Compare:

Customer Order References:
 WO Number: * Rev Num: Rev Date: * Input Date: *
 Print CRS USD/EUR: Labor Rate: Output Date: *
 Basic Work: 0 0
 Additional Information:
 Authority: *
 Department: * LINE
 Station: ZIA
 WO ID: WO Prepared by:

Customer and Representative Information:
 Customer Name: * Select Abbr:
 Telefon: Fax: Mob. Telefon:
 Customer Address: E-Mail:
 Rep Name: Telefon:
 Rep Address: Mob. Telefon:
 E-Mail:

Aircraft Information:
 Select A/C Reg: * A/C Type: * A/C Pax Configuration:
 A/C Serial No: * A/C Basic No: A/C MAX Taxi Weight:
 A/C Variable No: IPC Effect Code: A/C MAX T-OFF Weight:
 A/C Model No: A/C Line No: MFR Date: * Weight Variant:

Aircraft Time:
 AS ARRIVED
 TSN: CSN:
 AS DEPARTED
 TSN: CSN:

Rec: 123 of 123 Down Up WO Status: Open Permission of User ID: DUN Full Control

2. Aircraft and Engine References Data provides Aircraft's and Engine's engineering issues, including an aircraft/engine registration number, a serial number, IPC, an effective code, a model number, manufacture date, aircraft finish time, etc.

Line Maintenance Work Package Registration

Close New Unlock Update Delete Close Select Refresh Print BOM: 202001-L0002 Activate WO: 10 MNHR Compare:

Customer Order References:
WO Number: * Rev Num: Rev Date: * Input Date: *
Print CRS USD/EUR: Labor Rate: Output Date: *
Basic Work:
Additional Information: Authority: *
Department: *
Station: ZIA
WO ID: WO Prepared by:

Customer and Representative Information:
Customer Name: * Select Abbr:
Telephone: Fax: Mob. Telefon:
Customer Address: E-Mail:
Rep Name: Telephone:
Rep Address: Mob. Telefon:
E-Mail:

Aircraft Information:
Select A/C Reg: * A/C Type: * A/C Pax Configuration:
A/C Serial No: * A/C Basic No: A/C MAX Taxi Weight
A/C Variable No: IPC Effect Code: A/C MAX T-OFF Weight
A/C Model No: A/C Line No: MFR Date: * Weight Variant:

Aircraft Time:
3 AS ARRIVED
TSN: CSN:
AS DEPARTED
TSN: CSN:

3. Customer and Representative Information Block provides all necessary contacts of a customer's representative.

2. Work Package Creation.

1. If you need to add a new Work Order, click the NEW button on the Toolbar. On the appeared Work Order Window confirm an addition of a new Work Order. After that you will see a Work Order Blank. Fill required text boxes.

2. To save a Work Order, click the UPDATE toolbar button and confirm it.

3. Work Order subsequent number will appear automatically.

3. Work Package Update.

The screenshot shows the 'Line Maintenance Work Package Registration' application window. At the top, a toolbar contains buttons for 'Close', 'New', 'Unlock', 'Update', 'Delete', 'Close', 'Select', 'Refresh', and 'Print'. A blue circle with the number '1' is placed above the 'Select' button. Below the toolbar, the application window has a title bar and a menu bar. The main area is divided into several sections: 'Customer Order References' with fields for WO Number, Rev Num, Rev Date, Input Date, Output Date, USD/EUR, and Labor Rate; 'Customer and Representative Information' with fields for Customer Name, Abbr., Telefon, Fax, Mob. Telefon, Customer Address, E-Mail, Rep Name, and Rep Address; 'Aircraft Information' with fields for A/C Reg, A/C Type, A/C Pax Configuration, A/C Serial No, A/C Basic No, A/C MAX Taxi Weight, A/C Variable No, IPC Effect Code, A/C MAX T-OFF Weight, A/C Model No, A/C Line No, MFR Date, and Weight Variant; and 'Aircraft Time' with 'AS ARRIVED' and 'AS DEPARTED' sections, each containing TSN and CSN fields. A status bar at the bottom shows 'Rec: 123 of 123' and navigation buttons for 'Down', 'Up', 'WO Status', 'Open', 'Permission of User ID', 'DUN', and 'Full Control'.

You may select a particular Work Order among already existing Work Orders and update it.

1. Click the SELECT button on the toolbar and a Select Work Order Screen appears.

Line Maintenance Work Package Registration

Select Work Order: ID, Close Status, EA WO Num, Cust WO Num, Rev, Date, AC Reg:

Close

3

Filter A/C Type: Filter A/C Reg: Filter A/C SN: AGE +/- 2: FH +/- 3000: FC +/- 1000:

735
737-300
A300
A-310
A-320
A320-100

Filter WO: Filter Customer: Filter Basic Work:

From Input Date: To Output Date:

Open Close All

New

WO Reports Double-Click to Open:

1 WO Data Report - Full
2 WO Data Report - Full (Excel)
3 WO Data Report - Short (Excel)

Found 14 Work Orders:

1445	201512-L0002	test	False	TST	CRJ700	11123	test		
1428	201212-L0001	A320	False	YL-BBS	A320-100	test	Airrest AS		
1426	201205-L0002	NEW	False	ES-ABH	B737-500	29074	Air Baltic Corporation SIA		
1425	201205-L0004	201205-L0001	False	ES-ABH	B737-500	29074	Scandinavian Airlines System AB		
1422	201110-A0002	201110-A0002	False	LY-STG	B737-700	29083	AME		
1418	201109-L0005	TEST NG	False	LY-STG	B737-700	29083	TEST NG	TEST NG	
1417	201109-L0004	TEST	False	ES-ABH	B737-500	29074	TEST WO	TEST WO	
1411	201108-A0003	201108-A0003	False	ES-PVI	LJ-60	11111	AME	TEST WO	
1410	201108-A0002	201108-A0002	False	ES-PVI	LJ-60	11111	AME	TEST WO	
1379	201010-L0003	TEST	False	ESASM	S340	132	TEST	TEST	
1351	201004-L0083	PLAN10.4.25-5.02	False	ES-LBD	B737-300	25069	FLYLAL CHARTERS EESTI	A13-Check + Adds	
1343	201004-L0075	BU000015	False	OO-TNE	B737-300	23535	TNT Airways	1A/3A-Check + Additional Work	
1317	201004-L0049	0070843	False	ES-ABH	B737-500	29074	Estonian Air	End of Lease works	
228	VNOA	VNOA	False	LY-STG	B737-700	29083	Star1 Airlines	This WO is opened for planning purposes only and for spares par	

2

4

Cancel

2. Highlight a selected Work Order and double click it.

3. You may also use different filters to find necessary WO.

4. To exit this window without opening a Work Order, click the CANCEL button.

The screenshot shows the 'Line Maintenance Work Package Registration' application window. At the top, a toolbar contains several icons, with 'Unlock' (labeled 5) and 'Update' (labeled 6) highlighted. The application window has a title bar and a menu bar. Below the menu bar, there are several sections:

- Customer Order References:** Fields for WO Number, Rev Num, Rev Date, Input Date, Output Date, USD/EUR, Labor Rate, and Basic Work.
- Customer and Representative Information:** Fields for Customer Name, Telephone, Fax, Mob. Telefon, Customer Address, E-Mail, Rep Name, Rep Address, and Station.
- Aircraft Information:** Fields for A/C Reg, A/C Type, A/C Pax Configuration, A/C Serial No, A/C Basic No, A/C MAX Taxi Weight, A/C Variable No, IPC Effect Code, A/C MAX T-OFF Weight, A/C Model No, A/C Line No, MFR Date, and Weight Variant.
- Aircraft Time:** Fields for AS ARRIVED and AS DEPARTED, each with TSN and CSN sub-fields.

At the bottom of the window, there is a status bar with 'Rec: 123 of 123', navigation arrows, and other system information.

5. For making any changes press the UNLOCK toolbar button (this button is used for accidentally data changes prevention) and then change the information.

6. To save changes click the UPDATE toolbar button and confirm it.

4. Work Package Closure.

The screenshot shows the 'Line Maintenance Work Package Registration' application window. At the top, a toolbar contains buttons for 'Close', 'New', 'Unlock', 'Update', 'Delete', 'Close', 'Select', 'Refresh', and 'Print'. A blue circle with the number '1' is positioned above the second 'Close' button. Below the toolbar, the window title is 'Line Maintenance Work Package Registration'. The main area is divided into several sections:

- Customer Order References:** Fields for WO Number (test), Rev Num, Rev Date (31/12/2015), Input Date (31/12/2015), USD/EUR (0), Labor Rate (0), and Output Date.
- Customer and Representative Information:** Fields for Customer Name (test), Telephone, Fax, Mob. Telefon, Customer Address, E-Mail, Rep Name, Rep Address, and Station (TLL).
- Aircraft Information:** Fields for A/C Reg (TST), A/C Type (CRJ700), A/C Serial No (11123), A/C Basic No, A/C MAX Taxi Weight, A/C Variable No, IPC Effect Code, A/C MAX T-OFF Weight, A/C Model No, A/C Line No, MFR Date, and Weight Variant.
- Aircraft Time:** Sections for 'AS ARRIVED' and 'AS DEPARTED', each with TSN and CSN fields.

At the bottom, a status bar shows 'Rec: 120 of 124', navigation arrows, 'WO Status: Open', and 'Permission of User ID: DUN Full Control'.

1. After clicking the CLOSE toolbar button and its confirmation the system freezes and a user can not be able to make any Work Order data changes.

When a Work Package is completed, it should be closed.

5. Work Package Print out and Deletion.

1 To delete a Work Order, click the DELETE toolbar button and confirm the deletion.

2. To print out a Work Order, click the PRINT button on the Toolbar.

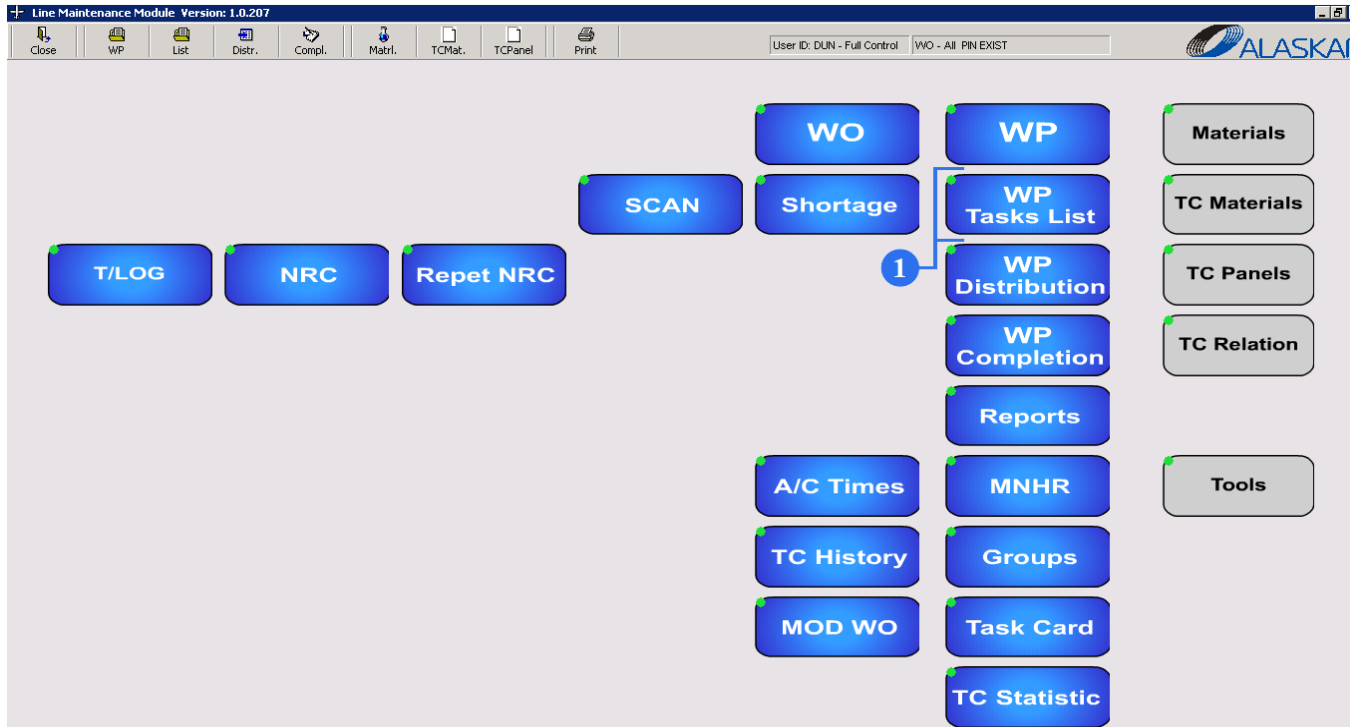
IX. WORK PACKAGE TASKS LIST

User Guidance

Contents

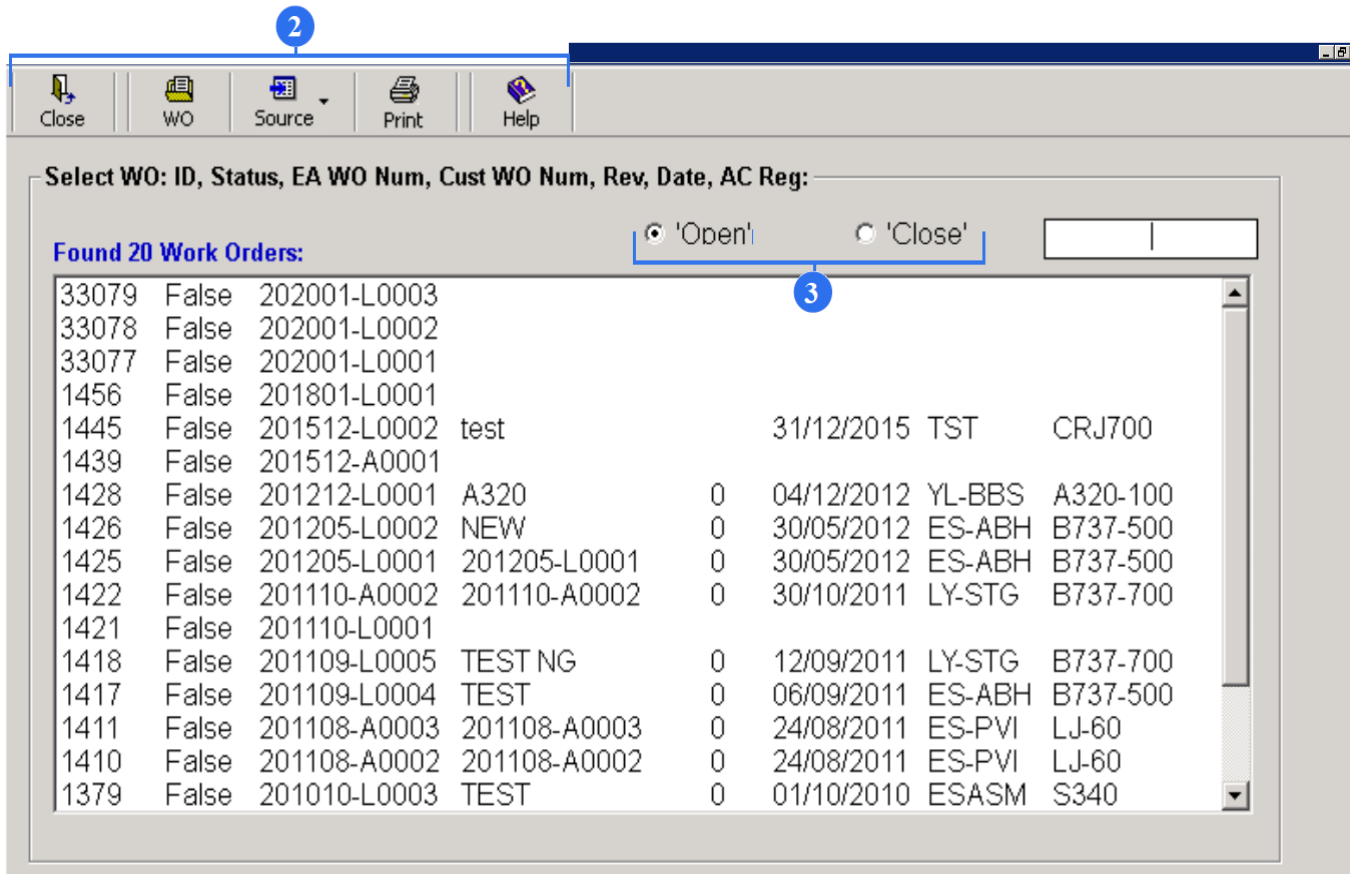
1. WP Tasks List Registration Overview.	170
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3. Task Cards Source Selection/Creation.	177
4. Task Card Addition and Update.	180
5. WP Tasks List and Task Cards Printout.	183

1. WP Tasks List Registration Overview.



A WP Tasks List is a well-organized specialized set of activities that have to be done during a plane inspection (A-Check and B-Check). A Work Package List combines Task Cards, Modifications and Additional Jobs.

1. To enter a WP Tasks List Screen, click on the WP Tasks List button.



2. Toolbar:

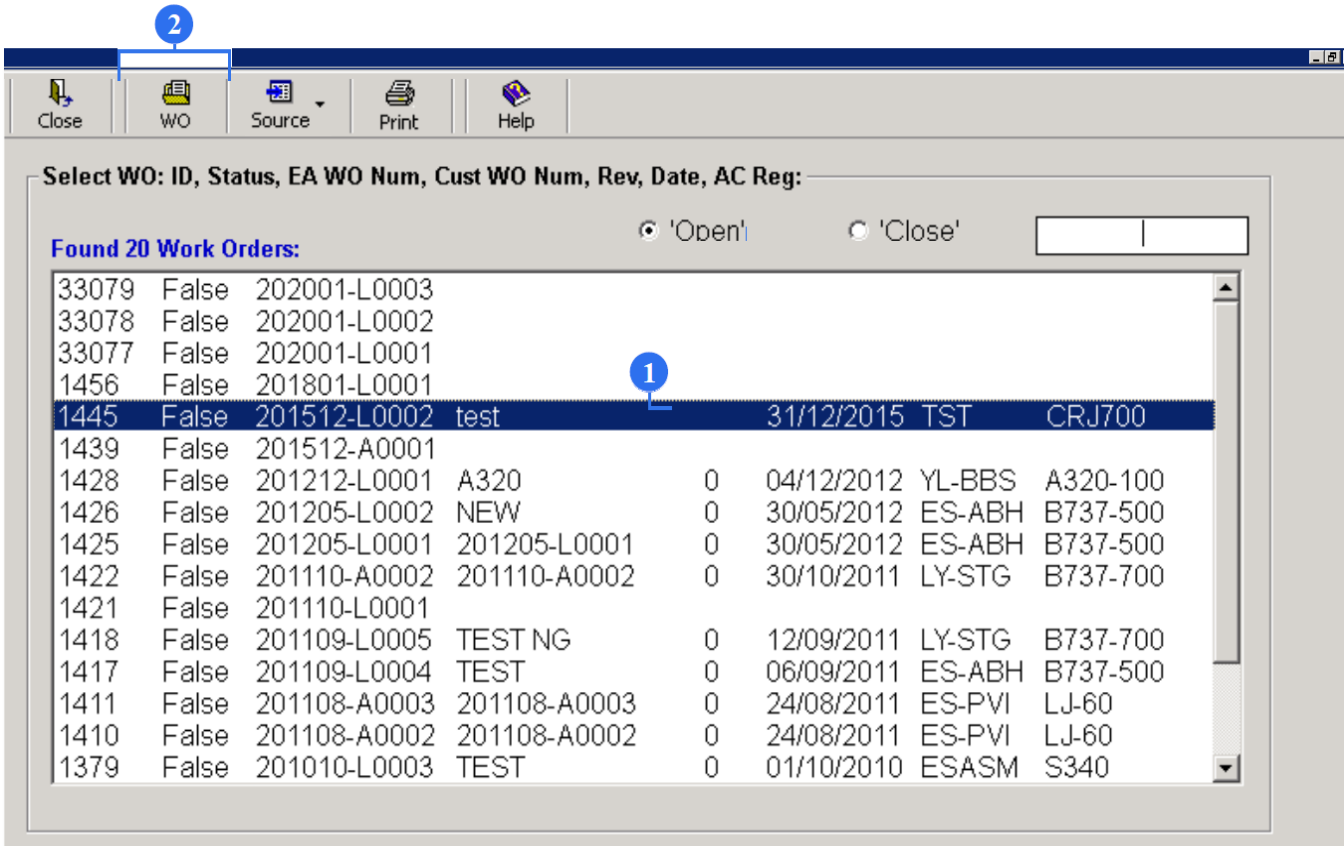
- Close (exit the program).
- WO (Work Order Selection).
- Source button menu (creation or selection sources of Task Cards/Modifications/Additional Jobs)

Print:

- a maintenance visit tally sheet,
- a task card visit list,
- a list of alterations,
- a list of additional Jobs.

3. You may also use a work order filter to select either opened or closed work orders.

2. WP Tasks List Creation.



Select WO: ID, Status, EA WO Num, Cust WO Num, Rev, Date, AC Reg:

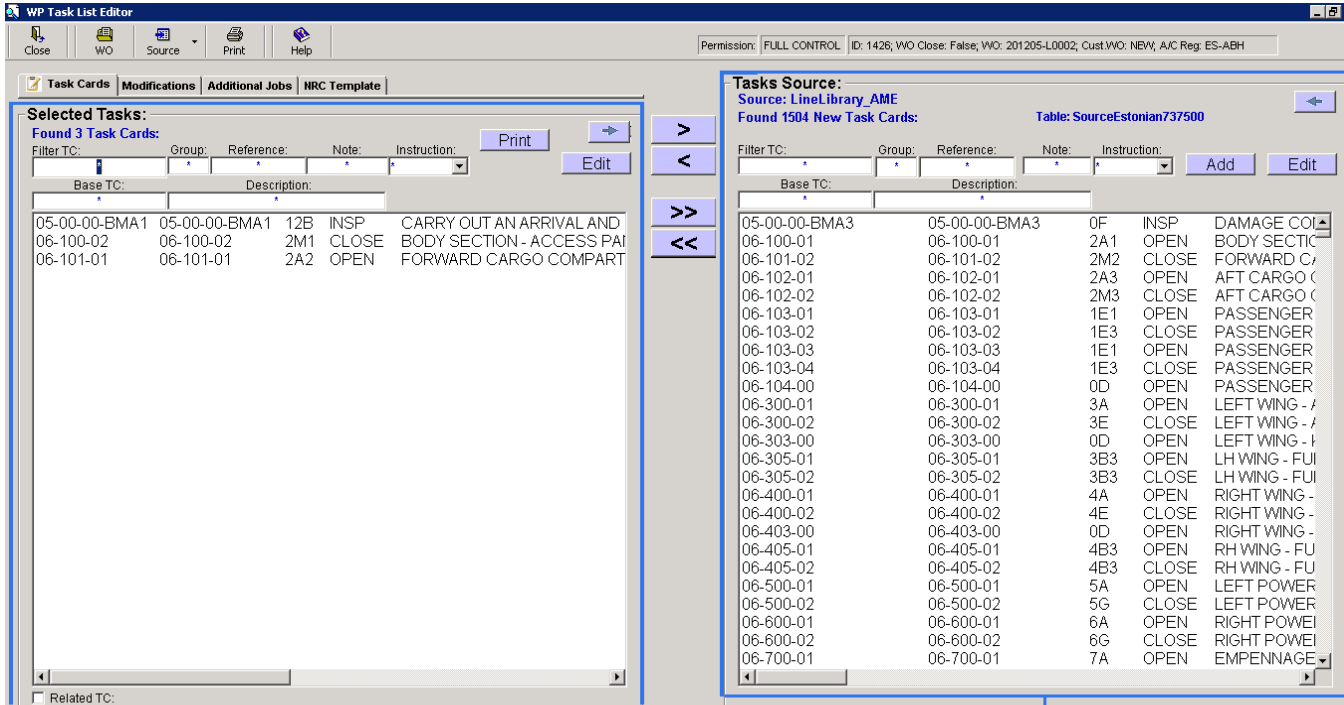
Found 20 Work Orders:

'Open' 'Close'

33079	False	202001-L0003					
33078	False	202001-L0002					
33077	False	202001-L0001					
1456	False	201801-L0001					
1445	False	201512-L0002	test		31/12/2015	TST	CRJ700
1439	False	201512-A0001					
1428	False	201212-L0001	A320	0	04/12/2012	YL-BBS	A320-100
1426	False	201205-L0002	NEW	0	30/05/2012	ES-ABH	B737-500
1425	False	201205-L0001	201205-L0001	0	30/05/2012	ES-ABH	B737-500
1422	False	201110-A0002	201110-A0002	0	30/10/2011	LY-STG	B737-700
1421	False	201110-L0001					
1418	False	201109-L0005	TEST NG	0	12/09/2011	LY-STG	B737-700
1417	False	201109-L0004	TEST	0	06/09/2011	ES-ABH	B737-500
1411	False	201108-A0003	201108-A0003	0	24/08/2011	ES-PVI	LJ-60
1410	False	201108-A0002	201108-A0002	0	24/08/2011	ES-PVI	LJ-60
1379	False	201010-L0003	TEST	0	01/10/2010	ESASM	S340

1. Click the WO tool button and select a necessary Work Order from a WO list (all registered work packages in the WP sub-module will be displayed).

2. Highlight a selected Work Order and open it by double clicking.



The screenshot shows the 'WP Task List Editor' application window. It features a menu bar with 'Close', 'WO', 'Source', 'Print', and 'Help'. Below the menu bar, there are tabs for 'Task Cards', 'Modifications', 'Additional Jobs', and 'NRC Template'. The main area is divided into two panels:

- Selected Tasks:** This panel on the left shows a table of tasks. It includes a 'Filter TC:' field and a 'Print' button. The table has columns for Base TC, Group, Reference, Note, and Instruction. Three task cards are listed:

Base TC	Group	Reference	Note	Instruction
05-00-00-BMA1	05-00-00-BMA1	12B	INSP	CARRY OUT AN ARRIVAL AND BODY SECTION - ACCESS PAI
06-100-02	06-100-02	2M1	CLOSE	FORWARD CARGO COMPART
06-101-01	06-101-01	2A2	OPEN	
- Tasks Source:** This panel on the right shows a table of tasks. It includes a 'Filter TC:' field and 'Add' and 'Edit' buttons. The table has columns for Base TC, Group, Reference, Note, and Instruction. A large list of tasks is displayed, including:

Base TC	Group	Reference	Note	Instruction
05-00-00-BMA3	05-00-00-BMA3	0F	INSP	DAMAGE COI
06-100-01	06-100-01	2A1	OPEN	BODY SECTIC
06-101-02	06-101-02	2M2	CLOSE	FORWARD C
06-102-01	06-102-01	2A3	OPEN	AFT CARGO C
06-102-02	06-102-02	2M3	CLOSE	AFT CARGO C
06-103-01	06-103-01	1E1	OPEN	PASSENGER
06-103-02	06-103-02	1E3	CLOSE	PASSENGER
06-103-03	06-103-03	1E1	OPEN	PASSENGER
06-103-04	06-103-04	1E3	CLOSE	PASSENGER
06-104-00	06-104-00	0D	OPEN	PASSENGER
06-300-01	06-300-01	3A	OPEN	LEFT WING - /
06-300-02	06-300-02	3E	CLOSE	LEFT WING - /
06-303-00	06-303-00	0D	OPEN	LEFT WING - /
06-305-01	06-305-01	3B3	OPEN	LH WING - FU
06-305-02	06-305-02	3B3	CLOSE	LH WING - FU
06-400-01	06-400-01	4A	OPEN	RIGHT WING -
06-400-02	06-400-02	4E	CLOSE	RIGHT WING -
06-403-00	06-403-00	0D	OPEN	RIGHT WING -
06-405-01	06-405-01	4B3	OPEN	RH WING - FU
06-405-02	06-405-02	4B3	CLOSE	RH WING - FU
06-500-01	06-500-01	5A	OPEN	LEFT POWER
06-500-02	06-500-02	5G	CLOSE	LEFT POWER
06-600-01	06-600-01	6A	OPEN	RIGHT POWEI
06-600-02	06-600-02	6G	CLOSE	RIGHT POWEI
06-700-01	06-700-01	7A	OPEN	EMPENNAGE

3

4

3. Emerged screen provides a particular set of tasks. These tasks are listed in Task Cards, Modifications and Additional Jobs.

4. The screen shows a Tasks Source which is used for easy tasks selection.

5

Task Cards | **Modifications** | **Additional Jobs** | **NRC Template**

WP Task List Editor

Close W O Source Print Help | Permission: FULL CONTROL | ID: 1426; WO Close: False; WO: 201205-L0002; Cust.WO: NEW; A/C Reg: ES-ABH

Task Cards | **Modifications** | **Additional Jobs** | **NRC Template**

Selected Tasks:
Found 3 Task Cards:

Filter TC:	Group:	Reference:	Note:	Instruction:
05-00-00-BMA1	05-00-00-BMA1	12B	INSP	CARRY OUT AN ARRIVAL AND
06-100-02	06-100-02	2M1	CLOSE	BODY SECTION - ACCESS PAI
06-101-01	06-101-01	2A2	OPEN	FORWARD CARGO COMPART

Print Edit

Tasks Source:
Source: LineLibrary_AME
Found 1504 New Task Cards: Table: SourceEstonian737500

Filter TC:	Group:	Reference:	Note:	Instruction:
05-00-00-BMA3	05-00-00-BMA3	0F	INSP	DAMAGE COI
06-100-01	06-100-01	2A1	OPEN	BODY SECTIC
06-101-02	06-101-02	2M2	CLOSE	FORWARD C/
06-102-01	06-102-01	2A3	OPEN	AFT CARGO C
06-102-02	06-102-02	2M3	CLOSE	AFT CARGO C
06-103-01	06-103-01	1E1	OPEN	PASSENGER
06-103-02	06-103-02	1E3	CLOSE	PASSENGER
06-103-03	06-103-03	1E1	OPEN	PASSENGER
06-103-04	06-103-04	1E3	CLOSE	PASSENGER
06-104-00	06-104-00	0D	OPEN	PASSENGER
06-300-01	06-300-01	3A	OPEN	LEFT WING - /
06-300-02	06-300-02	3E	CLOSE	LEFT WING - /
06-303-00	06-303-00	0D	OPEN	LEFT WING - /
06-305-01	06-305-01	3B3	OPEN	LH WING - FUI
06-305-02	06-305-02	3B3	CLOSE	LH WING - FUI
06-400-01	06-400-01	4A	OPEN	RIGHT WING - /
06-400-02	06-400-02	4E	CLOSE	RIGHT WING - /
06-403-00	06-403-00	0D	OPEN	RIGHT WING - /
06-405-01	06-405-01	4B3	OPEN	RH WING - FU
06-405-02	06-405-02	4B3	CLOSE	RH WING - FU
06-500-01	06-500-01	5A	OPEN	LEFT POWER
06-500-02	06-500-02	5G	CLOSE	LEFT POWER
06-600-01	06-600-01	6A	OPEN	RIGHT POWER
06-600-02	06-600-02	6G	CLOSE	RIGHT POWER
06-700-01	06-700-01	7A	OPEN	EMPENNAGE

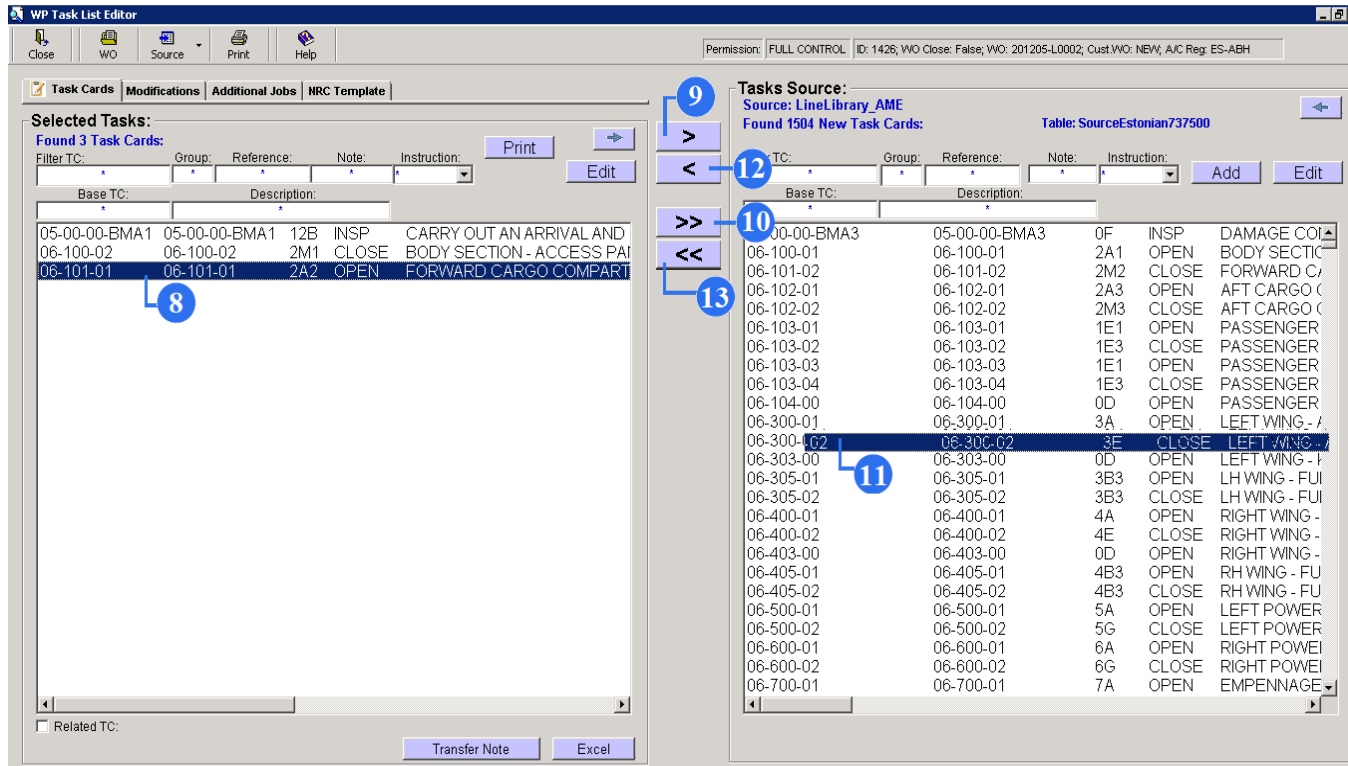
Add Edit

7

5. Task Cads/Modifications/Additional Jobs Tab/ NRC Template. To choose a necessary set of task, click on Task Cads or Modifications or Additional Jobs or NRC Template.

6. Status bar.

7. Transfer bar.



8. To transfer a task from Task Cards to a Tasks Source, highlight the task.

9. Then click on the right checkmark button to transfer one task to a Task Source (the task will be transferred, not copied).

10. To transfer all the tasks from Task Cards to a Task Source click on the double right checkmark button.

11. To transfer a task from a Task Source to Task Cards, highlight the task at first.

12. Then click on the left checkmark button to transfer one task to Task Cards (the task will be transferred, not copied).

13. To transfer all the tasks from a Task Source to Task Cards, click on double left checkmark button.

The screenshot shows the WP Task List Editor interface. At the top, there are tabs for 'Task Cards', 'Modifications', 'Additional Jobs', and 'NRC Template'. Below these are filter fields for 'Filter TC:', 'Group:', 'Reference:', 'Note:', and 'Instruction:'. A 'Base TC:' field and a 'Description:' field are also present. The main area is divided into two panes. The left pane, titled 'Selected Tasks', shows a list of tasks with columns for TC, Group, Reference, Note, and Instruction. The right pane, titled 'Tasks Source', shows a larger list of tasks with columns for TC, Group, Reference, Note, and Instruction. Navigation buttons (left and right arrows) are located between the panes. At the bottom, there are buttons for 'Transfer Note' and 'Excel'.

14. Filter fields: Filter TC, Group, Reference, Note, Instruction.

15. Task Cards tab.

16. Excel button.

17. Left arrow button.

18. Right arrow button.

TC	Group	Reference	Note	Instruction
05-00-00-BMA1	05-00-00-BMA1	12B	INSP	CARRY OUT AN ARRIVAL AND
06-100-02	06-100-02	2M1	CLOSE	BODY SECTION - ACCESS PAI
06-101-01	06-101-01	2A2	OPEN	FORWARD CARGO COMPART
05-00-00-BMA3	05-00-00-BMA3	0F	INSP	DAMAGE COI
06-100-01	06-100-01	2A1	OPEN	BODY SECTIC
06-101-02	06-101-02	2M2	CLOSE	FORWARD C/
06-102-01	06-102-01	2A3	OPEN	AFT CARGO C
06-102-02	06-102-02	2M3	CLOSE	AFT CARGO C
06-103-01	06-103-01	1E1	OPEN	PASSENGER
06-103-02	06-103-02	1E3	CLOSE	PASSENGER
06-103-03	06-103-03	1E1	OPEN	PASSENGER
06-103-04	06-103-04	1E3	CLOSE	PASSENGER
06-104-00	06-104-00	0D	OPEN	PASSENGER
06-300-01	06-300-01	3A	OPEN	LEFT WING - /
06-300-02	06-300-02	3E	CLOSE	LEFT WING - /
06-303-00	06-303-00	0D	OPEN	LEFT WING - /
06-305-01	06-305-01	3B3	OPEN	LH WING - FUI
06-305-02	06-305-02	3B3	CLOSE	LH WING - FUI
06-400-01	06-400-01	4A	OPEN	RIGHT WING - /
06-400-02	06-400-02	4E	CLOSE	RIGHT WING - /
06-403-00	06-403-00	0D	OPEN	RIGHT WING - /
06-405-01	06-405-01	4B3	OPEN	RH WING - FU
06-405-02	06-405-02	4B3	CLOSE	RH WING - FU
06-500-01	06-500-01	5A	OPEN	LEFT POWER
06-500-02	06-500-02	5G	CLOSE	LEFT POWER
06-600-01	06-600-01	6A	OPEN	RIGHT POWEI
06-600-02	06-600-02	6G	CLOSE	RIGHT POWEI
06-700-01	06-700-01	7A	OPEN	EMPENNAGE

14. You may use a FILTER to find a certain task. Type a task number in the Id field and then press ENTER.

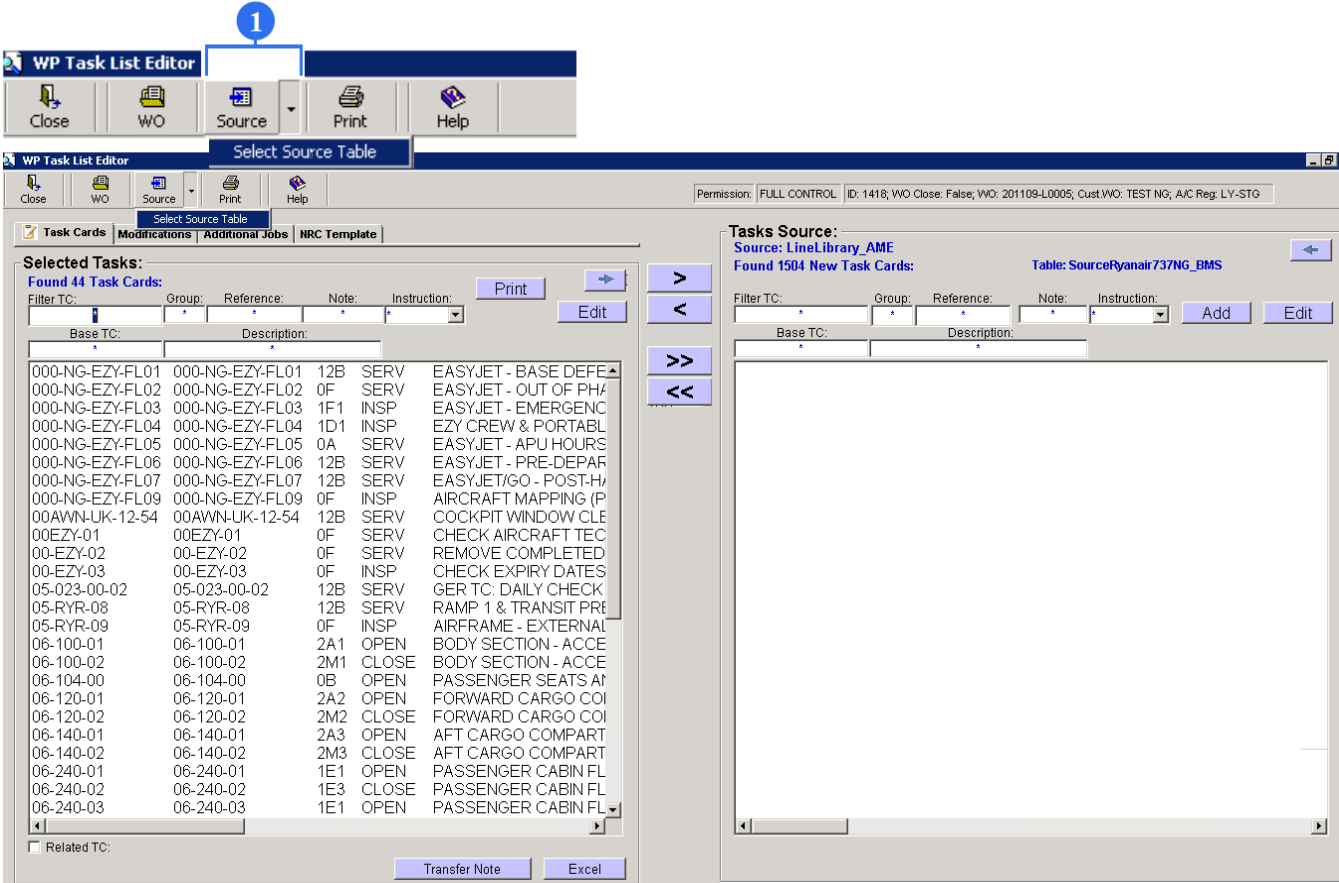
15. If you want to return to the whole tasks list, click on Task Cards.

16. You may open Task Cards in MS Excel format by pressing the EXCEL button.

17. If you want to extend a Task Cards screen, click on the left arrow button.

18. If you want to extend a Tasks Source screen, click on the right arrow button.

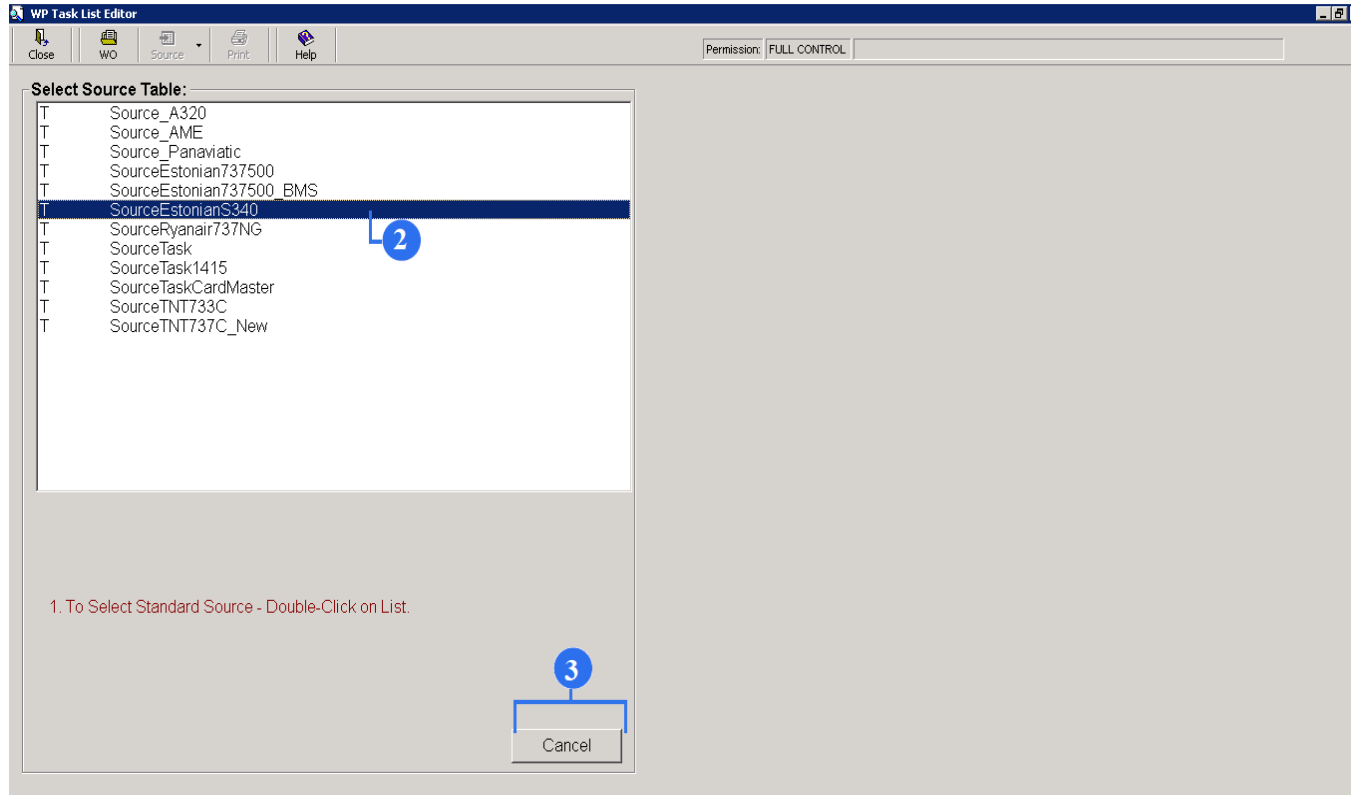
3. Task Cards Source Selection/Creation.



The screenshot shows the 'WP Task List Editor' application. The top toolbar contains buttons for 'Close', 'WO', 'Source', 'Print', and 'Help'. A red circle with the number '1' is placed over the 'Source' button. Below the toolbar, the 'Select Source Table' dialog is open. The dialog has a title bar 'WP Task List Editor - Select Source Table' and a menu bar with 'Task Cards', 'Modifications', 'Additional Jobs', and 'NRC Template'. The 'Task Cards' menu is selected, showing 'Selected Tasks: Found 44 Task Cards'. A table of task cards is displayed with columns for Filter TC, Group, Reference, Note, and Instruction. The table contains 44 rows of task card data. To the right of the table are navigation buttons: '>', '<', '>>', and '<<'. Below the table are 'Transfer Note' and 'Excel' buttons. On the right side of the dialog, the 'Tasks Source' section is visible, showing 'Source: LineLibrary_AME' and 'Table: SourceRyanair737NG_BMS'. It also has a 'Found 1504 New Task Cards' message and a table with columns for Filter TC, Group, Reference, Note, and Instruction, with 'Add' and 'Edit' buttons.

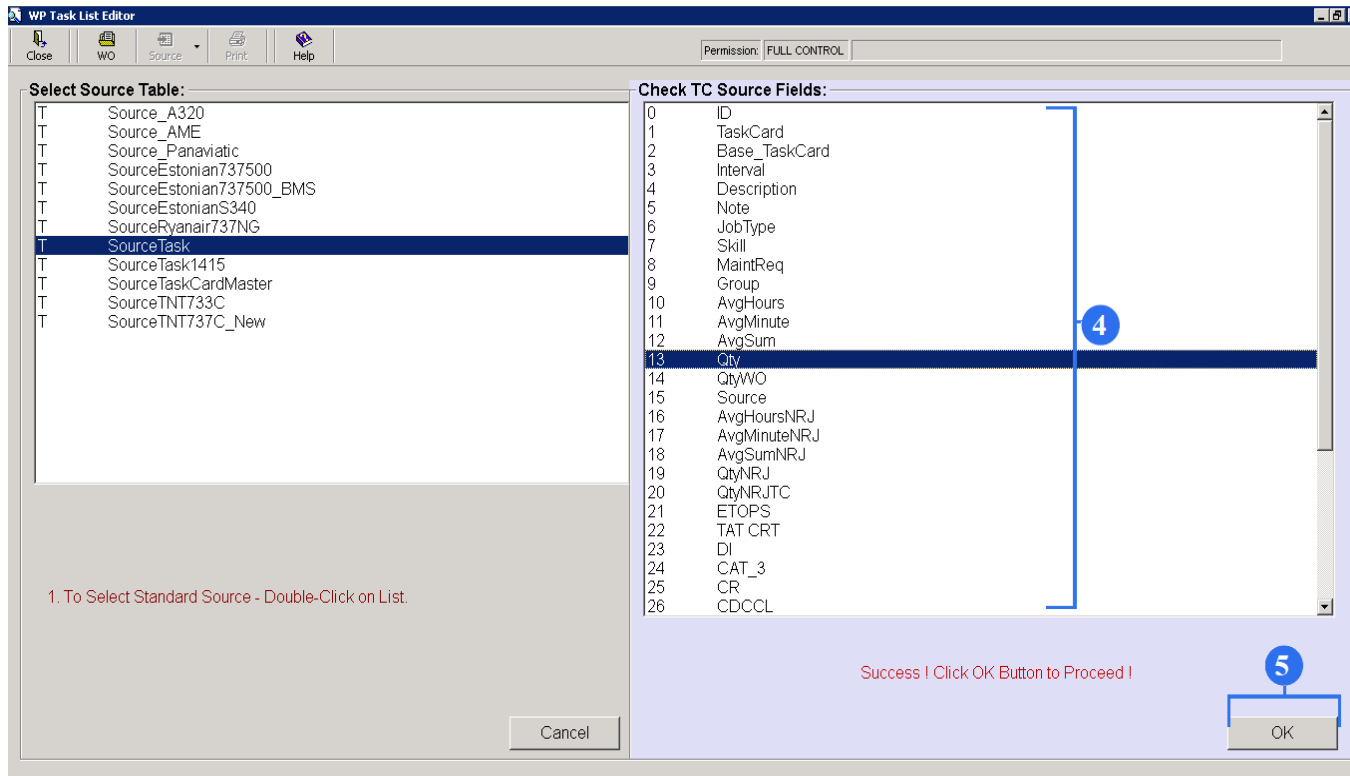
1. You may select a source of Task Cards or create your own for easy operating process. For these actions click on the Source button menu and choose further action (Create Source Table or Select Source Table).

Confirm a selection or a creation.



2. Choose a Tasks Source in a Select Source Table, highlight it and double click it.

3. Press the cancel button to exit a Select Source Table.



4. After clicking on a selected Task Source, a Select TC Source Field screen appears on the right side of the pilot generation screen. Click on TC Source fields one by one to select appropriate fields.

5. Press OK to cancel.

4. Task Card Addition and Update.



The screenshot shows the 'WP Task List Editor' application. At the top, there are tabs for 'Task Cards', 'Modifications', 'Additional Jobs', and 'NRC Template'. The 'Task Cards' tab is active. Below the tabs, there are 'Add' and 'Edit' buttons. A callout box with the number '1' points to these buttons. The main area displays a list of task cards with columns for Base TC, Description, Group, Reference, Note, and Instruction. A second callout box with the number '2' points to the 'Add' button in the task list area. At the bottom, there is a 'Tasks Editor' form with fields for Task Card Number, Base Task Card Number, Group, Job Type, REFERENCE, Description, Note, and Skill. A callout box with the number '3' points to a plus sign button in the Skills section of the editor.

All procedures are the same for the Task Cards, Modifications and Additional Jobs. To switch between them, use tabs Task Cards/Modifications/Additional Jobs/.

1. To add a new task card in a Tasks Source click on the ADD button.

2. Fill the text boxes in a Tasks Editor.

3. Click on button with plus to confirm an addition. Or press again the ADD button to reset the Editor.

The screenshot shows the WP Task List Editor interface. Callout 4 points to the 'Edit' button in the 'Selected Tasks' section. Callout 5 points to the 'Description' field in the 'Tasks Editor' section. Callout 6 points to the 'MPD MNHR' field in the 'Tasks Editor' section.

Selected Tasks:
Found 30 Task Cards:

Base TC:	Description:
06-100-02	06-100-02 2M1 CLOSE BODY SECTION - ACCESS PA
06-104-00	06-104-00 0D OPEN PASSENGER SEATS AND GAL
06-300-01	06-300-01 3A OPEN LEFT WING - ACCESS PANELS
06-300-02	06-300-02 3E CLOSE LEFT WING - ACCESS PANELS
06-303-00	06-303-00 0D OPEN LEFT WING - KRUEGER FLAPS
06-305-01	06-305-01 3B3 OPEN LH WING - FUEL TANK ACCESS
06-305-02	06-305-02 3B3 CLOSE LH WING - FUEL TANK ACCESS
06-400-01	06-400-01 4A OPEN RIGHT WING - ACCESS PANEL
06-400-02	06-400-02 4E CLOSE RIGHT WING - ACCESS PANEL

Tasks Editor:
Task Card Number: 06-403-00
Base Task Card Number: 06-403-00
Group: 0D Job Type: OPEN
REFERENCE: [Empty]
Description: RIGHT WING - KRUEGER FLAPS 3 AND 4 DEACTIVATION - ACTIVATION
Note: [Empty]
Skill: [Empty]
MPD MNHR: [Empty]

Tasks Source:
Source: LineLibrary_AME
Found 1477 New Task Cards:

Base TC:	Description:
05-00-00-BMA1	05-00-00-BMA1 12B INSP CARRY OUT A
05-00-00-BMA3	05-00-00-BMA3 0F INSP DAMAGE COI
06-100-01	06-100-01 2A1 OPEN BODY SECTIC
06-101-01	06-101-01 2A2 OPEN FORWARD C
06-101-02	06-101-02 2M2 CLOSE FORWARD C
06-102-01	06-102-01 2A3 OPEN AFT CARGO C
06-102-02	06-102-02 2M3 CLOSE AFT CARGO C
06-103-01	06-103-01 1E1 OPEN PASSENGER
06-103-02	06-103-02 1E3 CLOSE PASSENGER
06-103-03	06-103-03 1E1 OPEN PASSENGER
06-103-04	06-103-04 1E3 CLOSE PASSENGER
06-500-01	06-500-01 5A OPEN LEFT POWER
06-500-02	06-500-02 5G CLOSE LEFT POWER
06-600-01	06-600-01 6A OPEN RIGHT POWER
06-600-02	06-600-02 6G CLOSE RIGHT POWER
06-700-01	06-700-01 7A OPEN EMPENNAGE
06-700-02	06-700-02 7G OPEN EMPENNAGE
07-000-01	07-000-01 0F SERV LIFT THE AIRF
07-000-02	07-000-02 0F SERV LOWER THE /
12-013-21-03	B12-13-21-3A-1 5E SERV SERVICE THE
12-013-21-04	B12-13-21-3A-2 6E SERV SERVICE THE
12-013-22-03	B12-13-21-3B-1 5E SERV REPLACE TH
12-013-22-03	B12-13-21-3B-C1 5E SERV REPLACE TH
12-013-22-04	B12-13-21-3B-2 6E SERV REPLACE TH
12-013-22-04	B12-13-21-3B-C2 6E SERV REPLACE TH

4. To update a task card in Task Cards click on the EDIT button. To reset the Task Editor, click on the Edit button again.

5. Fill the text boxes and make changes.

6. Update current record by clicking on button with diskette, or click on the EDIT button again to reset the Editor.



WP Task List Editor

Permission: FULL CONTROL ID: 1411, WO Close: False, WO: 201108-A0003, Cust.WO: 201108-A0003, A/C Req: ES-F

Task Cards | Modifications | Additional Jobs | NRC Template

Selected Tasks:
Found 30 Task Cards: [Print] [Edit]

Filter TC:	Group:	Reference:	Note:	Instruction:
Base TC:				
06-100-02	06-100-02	2M1	CLOSE	BODY SECTION - ACCESS PA
06-104-00	06-104-00	0D	OPEN	PASSENGER SEATS AND GAL
06-300-01	06-300-01	3A	OPEN	LEFT WING - ACCESS PANELS
06-300-02	06-300-02	3E	CLOSE	LEFT WING - ACCESS PANELS
06-303-00	06-303-00	0D	OPEN	LEFT WING - KRUEGER FLAPS
06-305-01	06-305-01	3B3	OPEN	LH WING - FUEL TANK ACCESS
06-305-02	06-305-02	3B3	CLOSE	LH WING - FUEL TANK ACCESS
06-400-01	06-400-01	4A	OPEN	RIGHT WING - ACCESS PANEL
06-400-02	06-400-02	4E	CLOSE	RIGHT WING - ACCESS PANEL
06-403-00	06-403-00	0D	OPEN	RIGHT WING - KRUEGER FLAP
06-405-01	06-405-01	4B3	OPEN	RH WING - FUEL TANK ACCESS
06-405-02	06-405-02	4B3	CLOSE	RH WING - FUEL TANK ACCESS
72-054-00-01	C72-54-00-6A-1	5C	INSP	VISUALLY INSPECT THE LEFT
72-054-00-02	C72-54-00-6A-2	6C	INSP	VISUALLY INSPECT THE RIGHT
72-056-00-01	C72-56-00-6A-1	5C	INSP	VISUALLY CHECK THE LEFT E
72-056-00-02	C72-56-00-6A-2	6C	INSP	VISUALLY CHECK THE RIGHT E
72-062-01-01	C72-62-01-6A-1	5D1	INSP	VISUALLY CHECK THE LEFT E
72-062-01-02	C72-62-01-6A-2	6D1	INSP	VISUALLY CHECK THE RIGHT E
72-063-00-01	C72-63-00-6A-1	5D1	INSP	VISUALLY CHECK THE LEFT E
72-063-00-02	C72-63-00-6A-2	6D1	INSP	VISUALLY CHECK THE RIGHT E
73-011-00-01	C73-11-00-6A-1	5D1	INSP	VISUALLY CHECK THE LEFT E
73-011-00-02	C73-11-00-6A-2	6D1	INSP	VISUALLY CHECK THE RIGHT E
73-011-02-01	C73-11-02-4A-1	5E	SERV	REPLACE THE LEFT ENGINE F
73-011-02-02	C73-11-02-4A-2	6E	SERV	REPLACE THE RIGHT ENGINE
73-011-04-01	C73-11-04-A-1	5C	INSP	VISUALLY INSPECT THE LEFT

Tasks Source:
Source: LineLibrary_AME
Found 1477 New Task Cards: [Table: SourceEstonian737500]

Filter TC: [Group: Reference: Note: Instruction: Add Edit]

Base TC:	Description:	Group:	Reference:	Note:	Instruction:
05-00-00-BMA1	05-00-00-BMA1	12B	INSP	CARRY OUT A	
05-00-00-BMA3	05-00-00-BMA3	0F	INSP	DAMAGE COI	
06-100-01	06-100-01	2A1	OPEN	BODY SECTIC	
06-101-01	06-101-01	2A2	OPEN	FORWARD C/	
06-101-02	06-101-02	2M2	CLOSE	FORWARD C/	
06-102-01	06-102-01	2A3	OPEN	AFT CARGO C	
06-102-02	06-102-02	2M3	CLOSE	AFT CARGO C	
06-103-01	06-103-01	1E1	OPEN	PASSENGER	
06-103-02	06-103-02	1E3	CLOSE	PASSENGER	

Tasks Editor:
Task Card Number: 06-103-03 Base Task Card Number: 06-103-03 Group: 1E1 Job Type: OPEN

REFERENCE: []

Description: PASSENGER CABIN FLOORS - BS520 TO BS663- OPEN

Note: [] Skill: MECH

:ETOPS :DI (RIL) :CRIT :ALI :FIX :TAT CRT :CAT 3 :CDCCL :EWIS

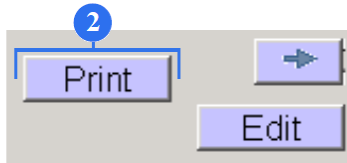
MPD MNHR []

7. To update a task card in a Tasks Source click on EDIT.

8. Make changes.

9. Update current record by pressing or click on the EDIT button again to reset the Editor.

5. WP Tasks List and Task Cards Printout.



WP Task List Editor

Close WO Source Print Help

Permission: FULL CONTROL ID: 1411; WO Close: False; WO: 201108-A0003; Cust.WO: 201108-A0003; A/C Reg: ES-F

Task Cards Modifications Additional Jobs NRC Template

Selected Tasks:
Found 30 Task Cards: Print Edit

Filter TC:	Group:	Reference:	Note:	Instruction:
Base TC:	Description:			
06-100-02	06-100-02	2M1	CLOSE	BODY SECTION - ACCESS PA...
06-104-00	06-104-00	0D	OPEN	PASSENGER SEATS AND GAL
06-300-01	06-300-01	3A	OPEN	LEFT WING - ACCESS PANELS
06-300-02	06-300-02	3E	CLOSE	LEFT WING - ACCESS PANELS
06-303-00	06-303-00	0D	OPEN	LEFT WING - KRUEGER FLAPS
06-305-01	06-305-01	3B3	OPEN	LH WING - FUEL TANK ACCESS
06-305-02	06-305-02	3B3	CLOSE	LH WING - FUEL TANK ACCESS
06-400-01	06-400-01	4A	OPEN	RIGHT WING - ACCESS PANEL
06-400-02	06-400-02	4E	CLOSE	RIGHT WING - ACCESS PANEL
06-403-00	06-403-00	0D	OPEN	RIGHT WING - KRUEGER FLAP
06-405-01	06-405-01	4B3	OPEN	RH WING - FUEL TANK ACCESS
06-405-02	06-405-02	4B3	CLOSE	RH WING - FUEL TANK ACCESS
72-054-00-01	C72-54-00-6A-1	5C	INSP	VISUALLY INSPECT THE LEFT
72-054-00-02	C72-54-00-6A-2	6C	INSP	VISUALLY INSPECT THE RIGHT
72-056-00-01	C72-56-00-6A-1	5C	INSP	VISUALLY CHECK THE LEFT E
72-056-00-02	C72-56-00-6A-2	6C	INSP	VISUALLY CHECK THE RIGHT E
72-062-01-01	C72-62-01-6A-1	5D1	INSP	VISUALLY CHECK THE LEFT E
72-062-01-02	C72-62-01-6A-2	6D1	INSP	VISUALLY CHECK THE RIGHT E
72-063-00-01	C72-63-00-6A-1	5D1	INSP	VISUALLY CHECK THE LEFT E
72-063-00-02	C72-63-00-6A-2	6D1	INSP	VISUALLY CHECK THE RIGHT E
73-011-00-01	C73-11-00-6A-1	5D1	INSP	VISUALLY CHECK THE LEFT E
73-011-00-02	C73-11-00-6A-2	6D1	INSP	VISUALLY CHECK THE RIGHT E
73-011-02-01	C73-11-02-4A-1	5E	SERV	REPLACE THE LEFT ENGINE F
73-011-02-02	C73-11-02-4A-2	6E	SERV	REPLACE THE RIGHT ENGINE
73-011-04-01	C73-11-04-A-1	5C	INSP	VISUALLY INSPECT THE LEFT

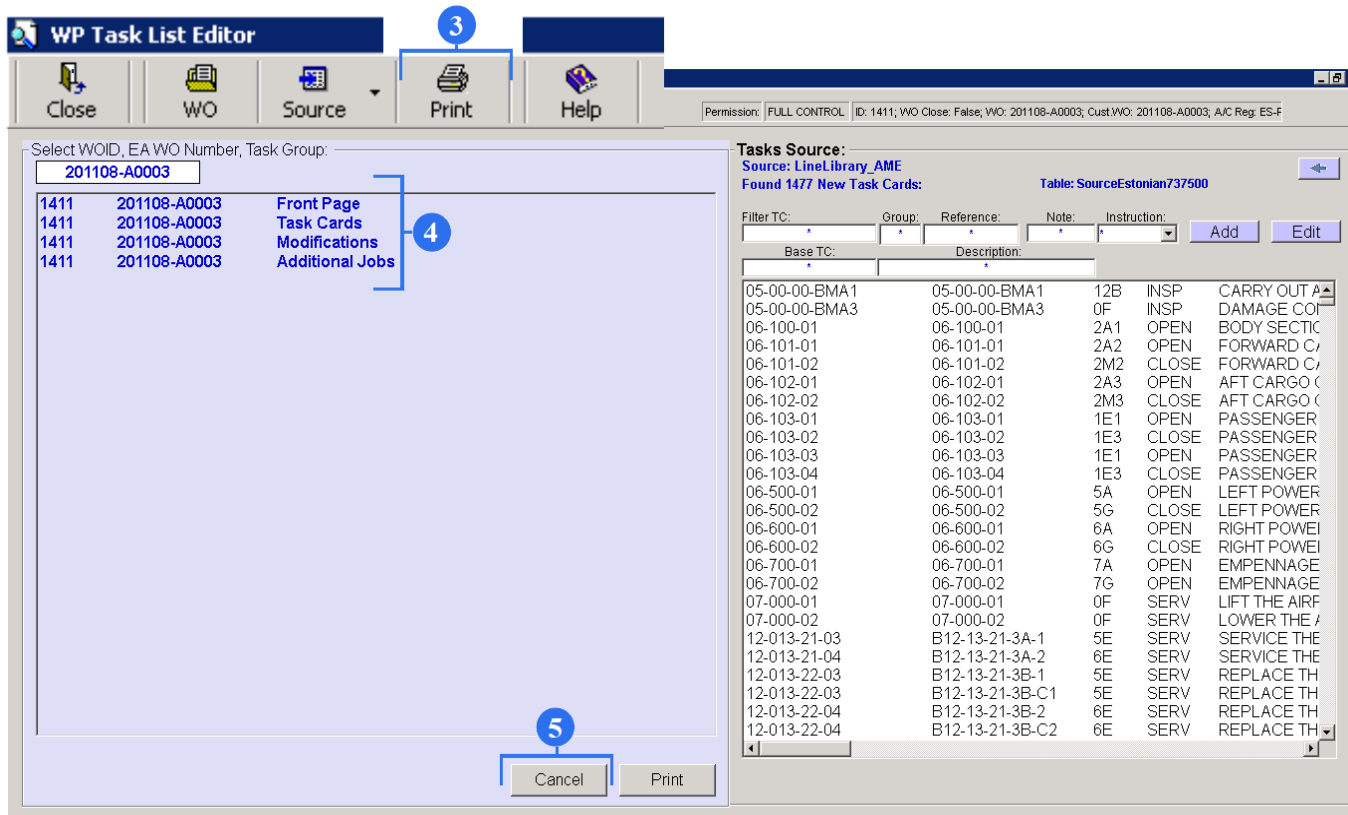
Related TC: Transfer Note Excel

Tasks Source:
Source: LineLibrary_AME
Found 1477 New Task Cards: Table: SourceEstonian737500 Add Edit

Filter TC:	Group:	Reference:	Note:	Instruction:
Base TC:	Description:			
157-302-01-1	157-302-01-1	3B1	CPCP	CPCP - LEFT
157-302-01-2	157-302-01-2	4B1	CPCP	CPCP - RIGHT
157-302-04-1	157-302-04-1	3B1	CPCP	CPCP - LEFT
157-302-04-2	157-302-04-2	4B1	CPCP	CPCP - RIGHT
157-305-01-1	157-305-01-1	3B3	CPCP	LEFT WING - C
157-305-01-2	157-305-01-2	4B3	CPCP	RIGHT WING - C
157-306-01-1	157-306-01-1	3B2	CPCP	LEFT WING - T
157-306-01-2	157-306-01-2	4B2	CPCP	RIGHT WING - T
157-306-07-1	157-306-07-1	3B2	CPCP	CPCP - LEFT
157-306-07-2	157-306-07-2	4B2	CPCP	CPCP - RIGHT
157-306-08-1	157-306-08-1	3B2	CPCP	LEFT WING - f
157-306-08-2	157-306-08-2	4B2	CPCP	RIGHT WING - f
L-AD87-08-09-ALL	L-AD87-08-09-ALL	2G1	INSP	INSPECT "INF
L-B12-40-01	L-B12-40-00	0C1	SERV	WHEEL WELL
L-B25-60-00-G	L-B25-60-00-G	1F1	INSP	EMERGENCY
L-B25-60-08-A	L-B25-60-08-A	1C2	INSP	VISUALLY CH
L-B26-21-31-2A	L-B26-21-31-2A	1C1	INSP	ENGINE FIRE
L-B26-22-21-2A	L-B26-22-21-2A	1C1	INSP	APU FIRE EX
L-B26-23-02-ALL	L-B26-23-02-ALL	1C1	INSP	CARGO FIRE
L-B38-32-00-A	L-B38-32-00-A	1F1	SERV	REPLACE ALI
L-B38-32-00-B	L-B38-32-00-B	1F1	SERV	REPLACE FLI
L-B38-32-31-C	L-B38-32-31-C	1F1	SERV	REPLACE TH
L-B38-32-31-D	L-B38-32-31-D	1F1	SERV	REPLACE TH
L-B38-32-31-E	L-B38-32-31-E	1F1	SERV	REPLACE LA
P12-200-00	P12-200-00	11	CPCP	WHEEL WELL

1 To print out a task card from Task Cards, highlight this task card.

2. Then click the PRINT button.



If you need to print out a maintenance visit tally sheet, a task card visit list, a list of alterations or a list of additional jobs, complete the following actions:

3. Click the PRINT tool button.

4. To print out a maintenance visit tally sheet, highlight a necessary work order's Front Page and click on the PRINT button (to view a maintenance visit tally sheet, see the picture no.4.1).

To print out a task cards visit list, highlight a necessary work order's Task Cards and click on the PRINT button (to view a task card visit list see the picture no.4.2).

To print out a list of alterations, highlight a necessary work order's Modifications and click on the PRINT button (to view a list of alterations, see the picture no.4.3).

4.2

4.1

CURT TASK CARD ID	CURT VO (I/M/N)	GROUP	DESCRIPTION	REFERENCE	COMPLETED SIGNATURE	POSTPONED SIGNATURE
1	06-0002	TEST	281	BO BY SECTION - ACCESS PANELS AND DOORS - CLOSE		
2	06-0400	00	PASSING OF SEATS AND GALLEY REMOVAL - INSTALLATION FOR BAGE MAINTENANCE			
3	06-0001	3A	LEFT WING - ACCESS PANELS AND DOORS - OPEN - INSPECT			
4	06-0002	3E	LEFT WING - ACCESS PANELS AND DOORS - CLOSE			
5	06-0000	00	LEFT WING - BRIBDER FLAPS 1 AND 2 DEACTIVATION - ACTIVATION			
6	06-0001	3B3	LEFT WING - FUEL TANK ACCESS OPENING FOR INSPECTION			
7	06-0002	3B3	LEFT WING - FUEL TANK ACCESS CLOSING AFTER INSPECTION			
8	06-0001	4A	RIGHT WING - ACCESS PANELS AND DOORS - OPEN - INSPECT			
9	06-0002	4E	RIGHT WING - ACCESS PANELS AND DOORS - CLOSE			
10	06-0000	00	RIGHT WING - BRIBDER FLAPS 3 AND 4 DEACTIVATION - ACTIVATION			
11	06-0001	4B3	RIGHT WING - FUEL TANK ACCESS OPENING FOR INSPECTION			
12	06-0002	4B3	RIGHT WING - FUEL TANK ACCESS CLOSING AFTER INSPECTION			
13	12064001	00	VISUALLY INSPECT THE LEFT ENGINE LIFT CAGED AND TUBED FOR CONDITION AND SECURITY OF INSTALLATION			
14	12064002	00	VISUALLY INSPECT THE RIGHT ENGINE LIFT CAGED AND TUBED FOR CONDITION AND SECURITY OF INSTALLATION			

TASK CARD VISIT LIST
Date: 19/01/2020

WID: 201108-41913
CURTARY WID: 201108-41913
CURTARY: ABE
A/C Pkg: ES-PVI
Printed by: ALASKAR Technologies e.com@alaskar.com Page 1 of 3

ES-PVI
MAINTENANCE VISIT TALLY SHEET ACCORDING TO WID: 201108-40003

AIRCRAFT IN: _____ AT: _____ UTC PERFORMED AT: _____

AIRCRAFT OUT: _____ AT: _____ UTC AIRCRAFT HOURS: _____ AIRCRAFT CYCLES: _____

MAINTENANCE VISIT TALLY SHEET

WID: 201108-41913
CURTARY WID: 201108-41913
CURTARY: ABE
A/C Pkg: ES-PVI
19/01/2020
Page 1 of 1

To print out a list of additional jobs, highlight a necessary work order's Additional Jobs and click on the PRINT button (to view a list of additional jobs see the picture no.4.4)

5. To exit the screen, click on the CANCEL button.

4.3

4.4

ATA	DOC NO.	REV. NUM.	REV. DATE	NOTE	DESCRIPTION	REFERENCE	COMPLETE DATE
1	27	TO 27-0048	PT1	02	12.00.2007	ROSE - INSTALLATION OF AN ENHANCED RUBBER CONTROL SYSTEM	MD1109-4003-0001, FAA AD 2007-03-01, 28127-07-125363
2	11	TO 19-14002	00	08.11.2007	REPLACEMENT OF REGISTRATION PLACARD		
3	11	TO 19-14003	00	23.11.2007	INSTALLATION OF A.C. MODEL IDENTIFICATION INSIDE LH FLS DOOR		
4	24	TO 19-24-0060	00	25.09.2007	RECORD WIRE BUNDLE CHAFING ON BLD HANGER	13190-PT2-4-0602	
5	27	TO 19-27-0068	01	05.05.2008	REPLACEMENT OF TRAILING EDGE FLAP POSITION	13190-PT2-4-0068, HONEYWELL TRANSMITTERS SL 95-1306-10	
6	28	TO 19-28-0032	03	23.08.2007	ENGINE FUEL SHUTOFF VALVE WIRE AND CONNECTOR WIRE REPLACEMENT	FAA AD 2006-12-11, 28135-26-19091	
7	28	TO 19-28-0037	01	23.08.2007	FUEL TANK BOOSTER PUMP AUTO SHUT-OFF AND 18137-28A 036 MASTER CAUTION LOGIC CHANGE		
8	28	TO 19-28-0038	00	16.04.2007	RELOCATION OF FUEL CONTROL PANELS	10 0000 03 23043000-00-00, TO 28130-28-19091	
9	28	TO 19-28-0039	00	14.08.2007	BOOSTER PUMP CONTROL RELAY GROUND LOCATION CHANGE	28137-28-1327	

LIST OF ADDITIONAL WORKS

WID: 201108-41913
CURTARY WID: 201108-41913
CURTARY: ABE
A/C Pkg: ES-PVI
Printed by: ALASKAR Technologies e.com@alaskar.com Page 1 of 1

ATA	Doc No.	DESCRIPTION	REFERENCE	NOTE	COMPLETED SIGNATURE	POSTPONED SIGNATURE
1	00	AJ111402 AJ111402				

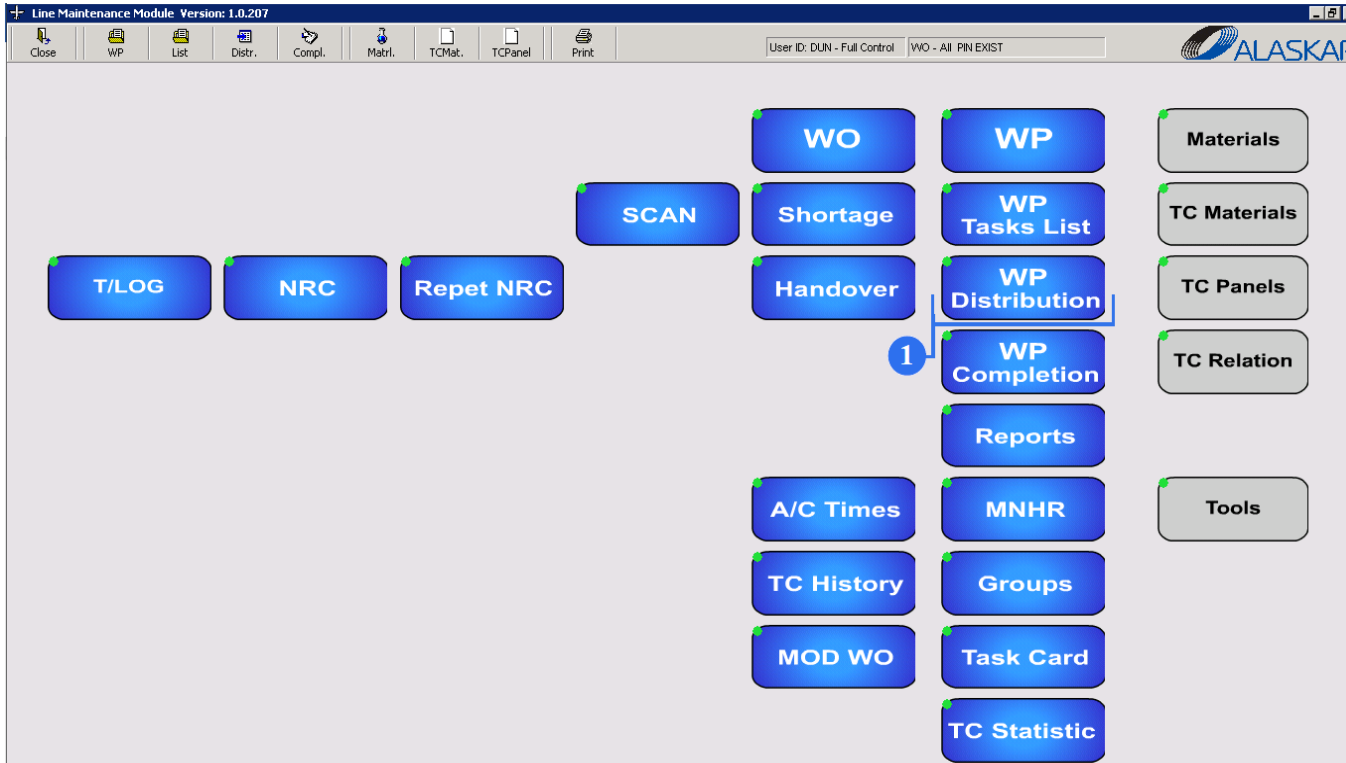
X. WORK PACKAGE DISTRIBUTION

User Guidance

Contents

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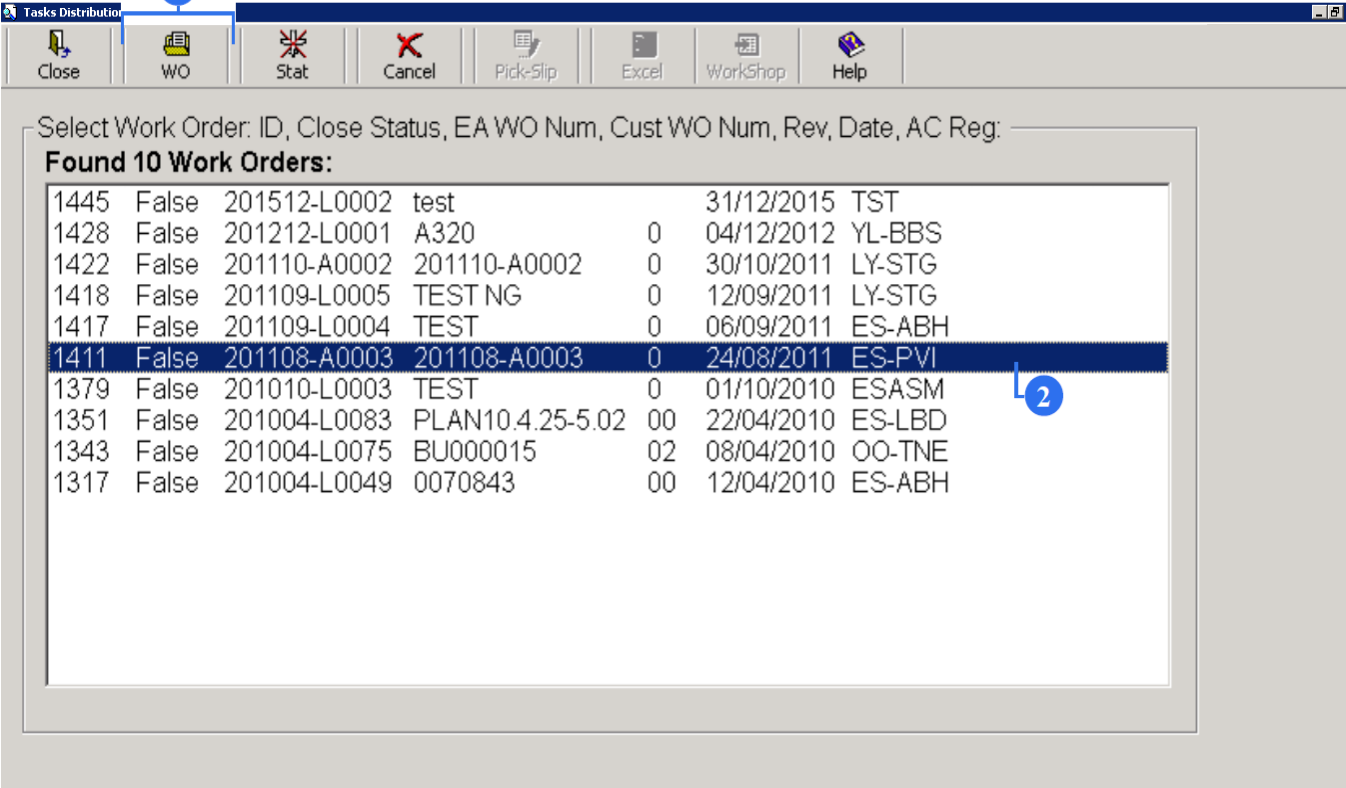
1. How to distribute.



The distribution screen helps to distribute all the existing task cards, modifications, additional jobs, customer requests, non-routine cards and non-completed task items among mechanics. It also provides an ARA list (a list of required materials).

1. To enter a Distribution screen, click on the WP Distribution button.

3



Select Work Order: ID, Close Status, EA WO Num, Cust WO Num, Rev, Date, AC Reg:

Found 10 Work Orders:

1445	False	201512-L0002	test		31/12/2015	TST
1428	False	201212-L0001	A320	0	04/12/2012	YL-BBS
1422	False	201110-A0002	201110-A0002	0	30/10/2011	LY-STG
1418	False	201109-L0005	TEST NG	0	12/09/2011	LY-STG
1417	False	201109-L0004	TEST	0	06/09/2011	ES-ABH
1411	False	201108-A0003	201108-A0003	0	24/08/2011	ES-PVI
1379	False	201010-L0003	TEST	0	01/10/2010	ESASM
1351	False	201004-L0083	PLAN10.4.25-5.02	00	22/04/2010	ES-LBD
1343	False	201004-L0075	BU000015	02	08/04/2010	OO-TNE
1317	False	201004-L0049	0070843	00	12/04/2010	ES-ABH

2. Select a necessary work order by highlighting it and then double click it.

3. To return again to the whole work orders list, click on the WO (work order) tool button.

The screenshot shows the 'Tasks Distribution' window. At the top, there are buttons for Close, WO, Stat, Cancel, Pick-Slip, Excel, WorkShop, and Help. Below these are tabs for Task Cards, Modific., Add. Jobs, Cust. Requests, NRC, NCTI, and ARA. A list of tasks is displayed, with one task highlighted. On the right, there are fields for Selected Distribution Data: Distr. Time (22:05:41), Distr. Date (15/01/2020), Distr. ID, and Mechanic Name. Below these are sections for Selected 0 Task Cards, Selected 0 Modifications, Selected 0 Additional Jobs, Selected 0 Customer Requests, Selected 0 NRC, and Selected 0 NCTI. Numbered callouts 3 through 8 point to various elements: 3 points to a task in the list, 4 points to the 'Check Relation' checkbox, 5 points to the 'Distr. ID' dropdown, 6 points to a save icon, 7 points to the 'Stat' button, and 8 points to the 'Cancel' button.

ID	Time	Status	Priority	Order	Mech	Date	Time	Description
06-100-02	2M1	P	O-1	506		06/09/2011	16:47	BODY SECTION - ACCESS PA
06-104-00	0D	O						PASSENGER SEATS AND GA
06-300-01	3A	O						LEFT WING - ACCESS PANEL
06-300-02	3E	P		A136		18/10/2011	17:12	LEFT WING - ACCESS PANEL
06-303-00	0D	O						LEFT WING - KRUEGER FLAP
06-305-01	3B3	O						LH WING - FUEL TANK ACCES
06-305-02	3B3	O						LH WING - FUEL TANK ACCES
06-400-01	4A	P		E157		06/09/2011	16:53	RIGHT WING - ACCESS PANE
06-400-02	4E	P		E157		06/09/2011	16:53	RIGHT WING - ACCESS PANE
06-403-00	0D	P		E157		06/09/2011	16:53	RIGHT WING - KRUEGER FLAP
06-405-01	4B3	O						RH WING - FUEL TANK ACCES
06-405-02	4B3	O						RH WING - FUEL TANK ACCES
72-054-00-01	5C	O						VISUALLY INSPECT THE LEFT
72-054-00-02	6C	O						VISUALLY INSPECT THE RIG
72-056-00-01	5C	O						VISUALLY CHECK THE LEFT I
72-056-00-02	6C	O						VISUALLY CHECK THE RIGHT I
72-062-01-01	5D1	O						VISUALLY CHECK THE LEFT I
72-062-01-02	6D1	O						VISUALLY CHECK THE RIGHT I
72-063-00-01	5D1	O						VISUALLY CHECK THE LEFT I
72-063-00-02	6D1	O						VISUALLY CHECK THE RIGHT I
73-011-00-01	5D1	O						VISUALLY CHECK THE LEFT I
73-011-00-02	6D1	O						VISUALLY CHECK THE RIGHT I
73-011-02-01	5E	O						REPLACE THE LEFT ENGINE
73-011-02-02	6E	O						REPLACE THE RIGHT ENGINE
73-011-04-01	5C	O						VISUALLY INSPECT THE LEFT
73-011-04-02	6C	O						VISUALLY INSPECT THE RIG

3. To distribute Task Cards/Modifications/Additional Jobs/Customer Requests/Non-Routine Cards/Non-Completed Task Items, highlight a task and click it, then this task will be displayed on Selected Distribution Data screen. Pay attention to a task status, because you can distribute only an opened task.

All tasks to be distributed will be displayed in a particular field in the Select Distribution Data Window (the selected tasks field, the selected modifications field, the selected additional jobs field, the selected customer requests field, the selected non-routine cards field, the selected non-completed task items field).

4. When the 'Check Relation' box is selected, all related tasks to the highlighted task will be displayed on the bottom.

The screenshot shows the 'Tasks Distribution' window. At the top, there are tool buttons: Close, WO, Stat, Cancel, Pick-Slip, Excel, Workshop, and Help. Below this is a menu bar with options: Task Cards, Modific., Add. Jobs, Cust. Requests, NRC, NCTI, and ARA. The main area contains a list of task cards with columns for ID, status, priority, date, time, and description. A task with ID '06-400-01' and status 'P' is highlighted. A 'Cancellation of Selected Task' dialog box is open, showing 'WO ID: 1411' and 'Task to be Cancelled: 06-400-01'. The dialog also has a 'Cancellation Reason' text area and 'Confirm' and 'Close' buttons. Numbered callouts (3-9) indicate the following steps: 3. Highlight a task in the list; 4. Click the 'Stat' button; 5. Click the 'Cancel' button; 6. Click the 'Confirm' button in the dialog; 7. Click the 'Stat' button again; 8. Click the 'Cancel' button again; 9. Click the 'Confirm' button in the dialog.

ID	Status	Priority	Date	Time	Description	
06-100-02	2M1	P	O-1;	506	06/09/2011 16:47	BODY SECTION - ACCESS PA
06-104-00	OD	O				PASSENGER SEATS AND GA
06-300-01	3A	O				LEFT WING - ACCESS PANEL
06-300-02	3E	P	A136	18/10/2011 17:12	LEFT WING - ACCESS PANEL	
06-303-00	OD	O				LEFT WING - KRUEGER FLAP
06-305-01	3B3	O				LH WING - FUEL TANK ACCES
06-305-02	3B3	O				LH WING - FUEL TANK ACCES
06-400-01	4A	P	E157	06/09/2011 16:53	RIGHT WING - ACCESS PANE	
06-400-02	4E	P	E157	06/09/2011 16:53	RIGHT WING - ACCESS PANE	
06-403-00	OD	P	E157	06/09/2011 16:53	RIGHT WING - KRUEGER FLA	
06-405-01	4B3	O				RH WING - FUE
06-405-02	4B3	O				RH WING - FUE
72-054-00-01	5C	O				VISUALLY INSP
72-054-00-02	6C	O				VISUALLY INSP
72-056-00-01	5C	O				VISUALLY CHE
72-056-00-02	6C	O				VISUALLY CHE
72-062-01-01	5D1	O				VISUALLY CHE
72-062-01-02	6D1	O				VISUALLY CHE
72-063-00-01	5D1	O				VISUALLY CHE
72-063-00-02	6D1	O				VISUALLY CHE
73-011-00-01	5D1	O				VISUALLY CHE
73-011-00-02	6D1	O				VISUALLY CHE
73-011-02-01	5E	O				REPLACE THE
73-011-02-02	6E	O				REPLACE THE
73-011-04-01	5C	O				VISUALLY INSP
73-011-04-02	6C	O				VISUALLY INSP

5. To appoint a particular mechanic on a selected task, choose mechanic's id.

6. Save it by clicking this button. After the confirmation a task status will be changed from 'O' (open) to 'P' (in progress).

7. To open a task in progress, click on the STATUS tool button and confirm it.

Or if you wrongly closed a task, click on the STATUS tool button and the task will be in process.

8. You may cancel an opened task, if it is reasonably needed.

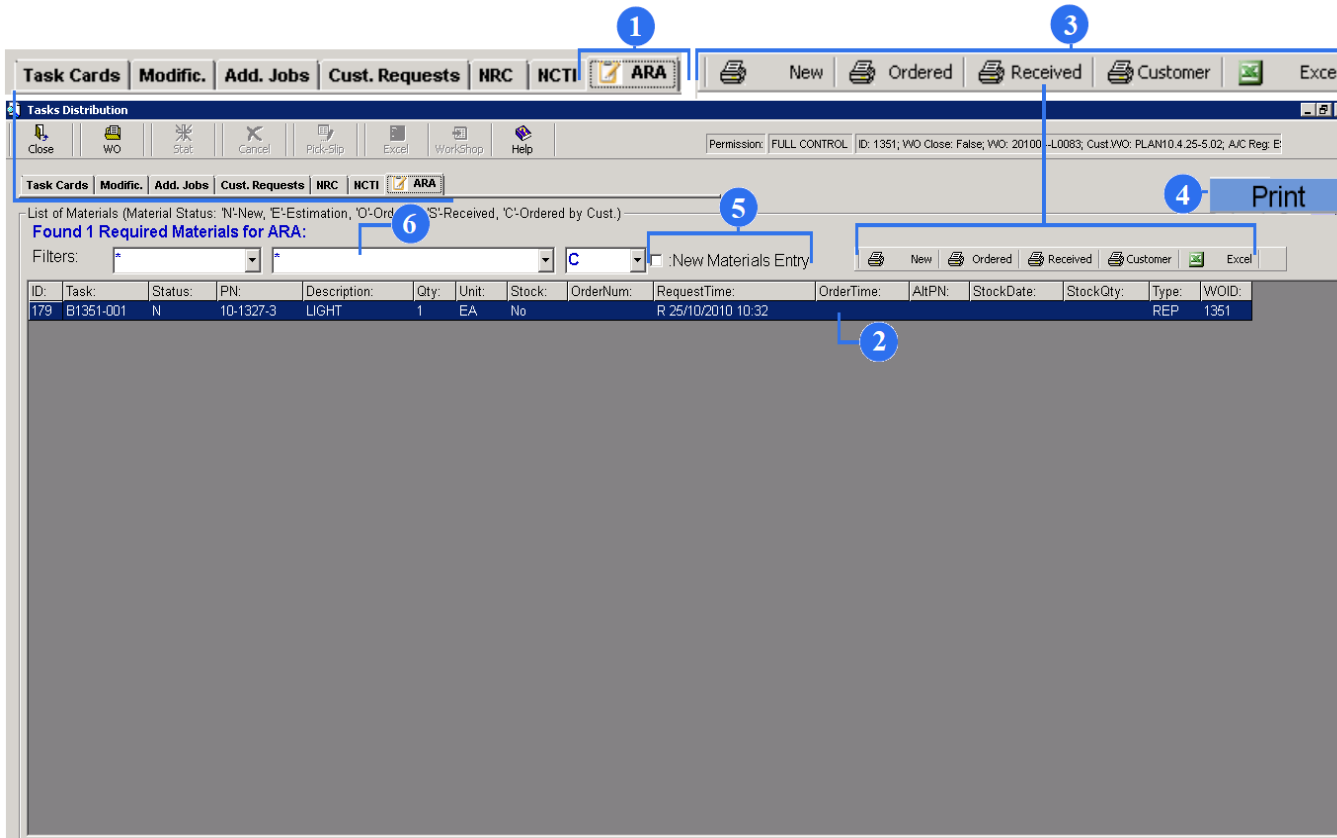
For doing this, highlight an opened task, then click on the CANCEL tool button.

9. In the Cancellation Window enter a WO number and cancellation reasons. Click on this button to save it.

2. Tasks Descriptions.

1. You may add descriptions to a particular task. For this action highlight a task.
2. Click on the “Edit” button.
3. In the Tasks Editor make necessary descriptions and notes.
4. To save, click on this button.

3. ARA Materials List.



1. Select ARA tab.

2. ARA (materials which are needed for NRC completion) will be displayed only in case when a non-routine card is registered, where a mechanic makes a materials request (for details, view the 'NRC Registration' part). Materials are at stock are green; Materials are not at stock are red.

3. When you have a complete materials list, you may print out new materials/ordered materials/reserves materials/customer materials or transfer to excel by clicking these tabs.

4. Click on the PRINT button to print out a logistic report.

5. To display newly required materials, tick the New Materials Entry field.

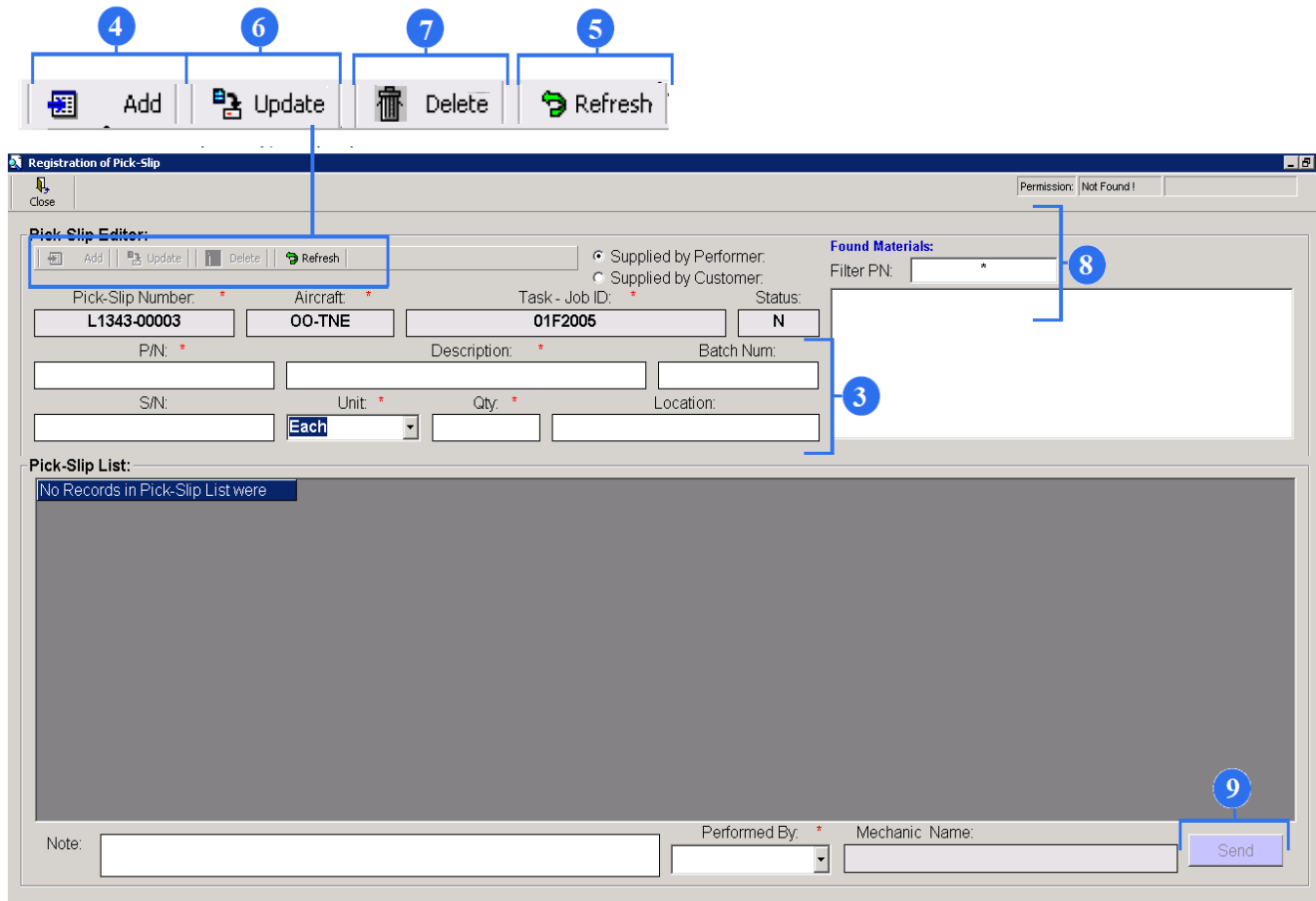
6. You may also use filter to find a certain material. In the filter id field type a material's number.

4. Pick- Slip Option (or Printout).

The screenshot shows the 'Tasks Distribution' application window. At the top, there is a toolbar with buttons for 'Close', 'WO', 'Stat', 'Cancel', and 'Pick-Slip'. A blue box highlights the 'Pick-Slip' button, with a circled '2' next to it. Below the toolbar is a menu bar with options like 'Task Cards', 'Modific.', 'Add. Jobs', etc. The main area contains a list of tasks. A blue box highlights a task card in the list, with a circled '1' next to it. The task card is: 01F2005 2B1 O DENT & BUCKLE CHART. To the right of the task list is a summary panel with sections for 'Selected Distribution Data', 'Selected 0 Task Cards', 'Selected 0 Modifications', 'Selected 0 Additional Jobs', 'Selected 0 Customer Requests', 'Selected 0 NRC', and 'Selected 0 NCTI'.

1. Highlight a task.

2. Click on the Pick-Slip tool button. And the Registration of Pick-Slip Window will be opened.



3. Fill required text boxes (a part number, a description, a batch number, a unit, a quantity, a location, by whom supplied and who performed a pick-slip list)

A pick-slip number, an aircraft, a task-job id and status will be appointed automatically.

4. After filling out text boxes, click on the ADD button and a just registered material will be displayed in a Pick-Slip list.

5. To reset a Pick-Slip Editor, click on the REFRESH button.

6. To make changes in an already existed Pick-Slip List, click on the UPDATE button and confirm it.

7. To delete a selected item from the Pick-Slip List, click on the DELETE button.

8. Use a filter if you need.

9. To print out the Pick-Slip List, click on

5. Non-Routine Cards Update and ARA Registration.

The screenshot shows the 'Tasks Distribution' window with the 'NRC' tab selected. A list of 'Found 1 Non-Routine Cards' is displayed, with the first line highlighted. The 'Non Routine Card Editor' is open, showing fields for NRC Number (B1343-001), ATA (25-40), RII, ARA, Group, Zone, Issue Date (16/05/2010), Issue Time (14:38), Status (0), Distr. ID, Distr. Date, Title (NRC B1343-001 TITLE), Complaint (NRC B1343-001 COMPLAINT), P/N, S/N, MHR (1), and Down (1). The 'Additional Repair Agreement (ARA) Required Materials' section shows a table with one row: 178 1343 B1343-001 BMS5-133 TAPE 50MM DOUBLE ADHESIVE 1 EA No 0.04 0 CH. The 'Additional Repair Agreement (ARA) Invoiced Amount' section shows Labor MHR (00:00), Materials (0), and Other (0).

Here, in the WP Distribution sub-module, all NRC, registered in the WP Completion sub-module, are displayed.

1. Select NRC tab.

2. Highlight the line and click on the EDIT button.

3. Fill the text boxes in the Non-Routine Job Editor.

4. Click on this button to save.

The screenshot shows the 'Tasks Distribution' application window. The main area is divided into several sections:

- Task Cards:** A list of tasks with columns for NRC, ATA, Stat, Group, Zone, Iss. Date, Time, RII, ARA, Mech, Date Time, Title Compl, Recomm, PN SN, MHR DwnT. A filter is applied for 'Found 1 Non-Routine Cards'.
- Non Routine Card Editor:** Fields for NRC Number (B1343-001), ATA (25-40), RII, ARA, Group (101), Issue Date (16/05/2010), Issue Time (14:38), Status (O), Distr. ID, and Title (NRC B1343-001 TITLE). A 'Complaint' field contains 'NRC B1343-001 COMPLAINT'. There are also fields for P/N, S/N, MHR (1), and Down (1).
- Additional Repair Agreement (ARA) Invoiced Amount:** A table with columns for Labor MHR, Hour, Minute, Est Cost, and Act Cost. It shows a total of 1.04 hours and 1.00 cost. An 'Update' button is highlighted with a red circle 8.
- Additional Repair Agreement (ARA) Required Materials:** A table with columns for P/N, Description, Qty, Unit, Stock, Type, Est, and Act. It shows two rows of materials. An 'Add' button is highlighted with a red circle 6.

5. In the ARA Required Materials Screen enter P/N, Description, Qty, Unit, Type of materials and Est and Act.

6. To save this data click on the Add button.

7. In the ARA Invoiced Amount enter Est Cost and Act Cost.

8. Push on the Update button.

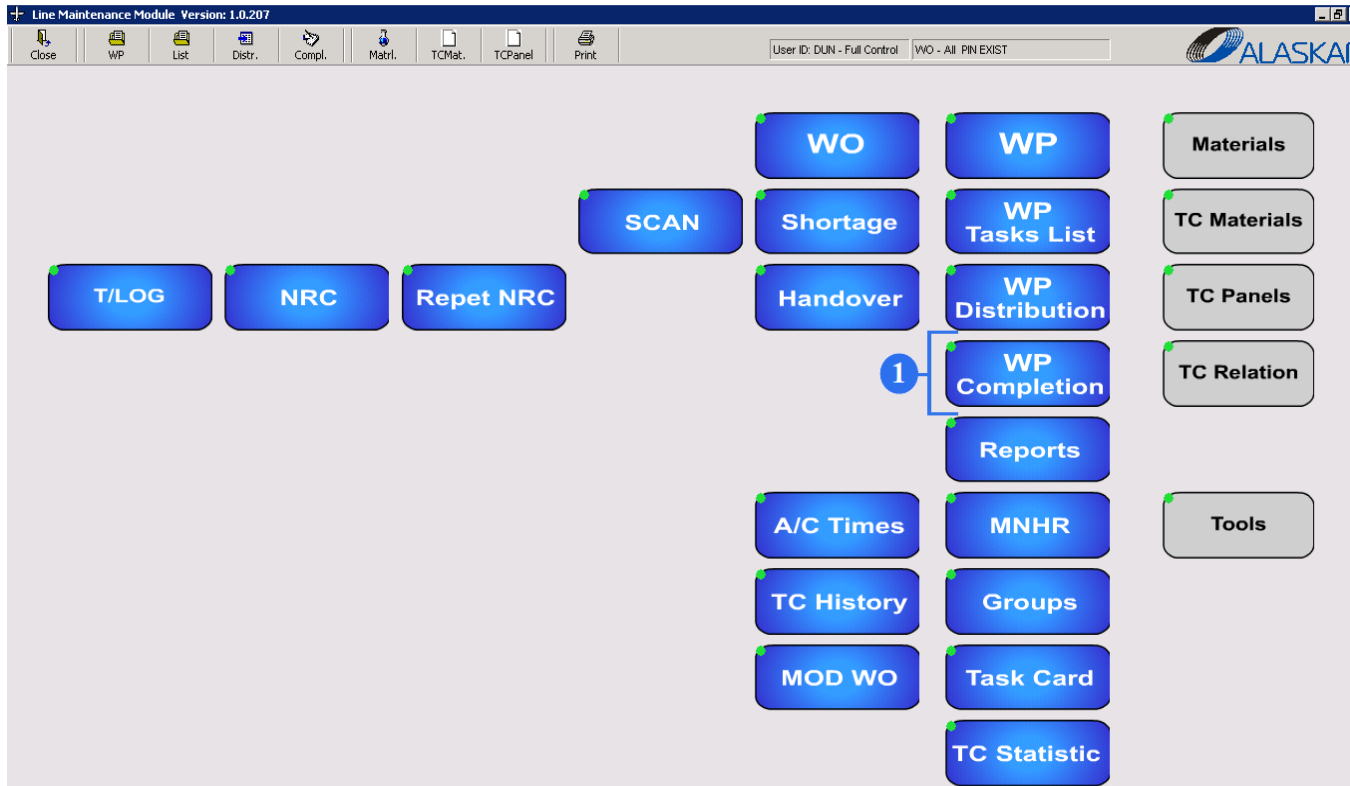
XI. WORK PACKAGE COMPLETION

User Guidance

Contents

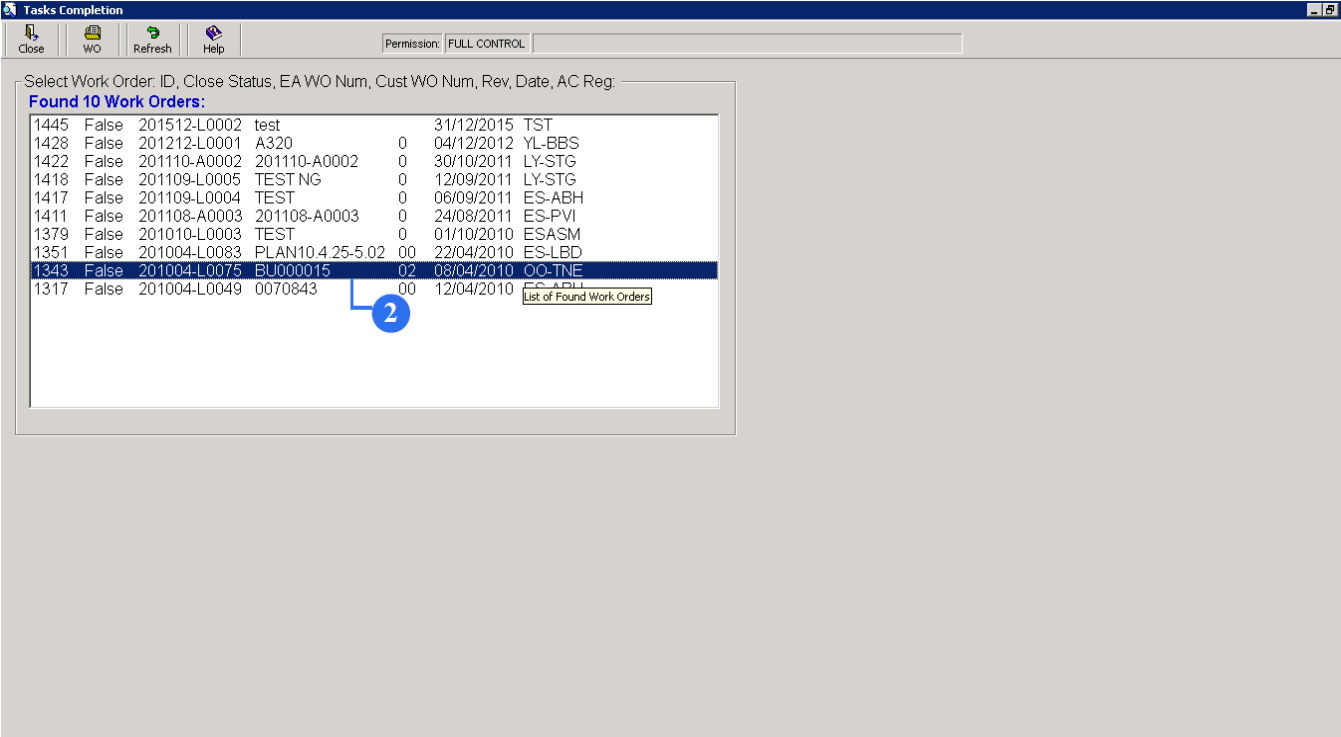
1. Registration of Used Consumables.....	200
2. Component Change Registration.....	204
3. Non-Routine Card (NRC) Registration.....	206
4. Non-Completed Task Items (NCTI) References.....	209
5. Task Close.....	211

1. Registration of Used Consumables.



The Completion screen combines all tasks/additional jobs/modifications/customer requests/non-routine cards/non-completed task items in process, gives an opportunity to overlook all necessary materials for these tasks and close already completed tasks.

1. Click on the COMPLETION button to enter the screen.



Tasks Completion

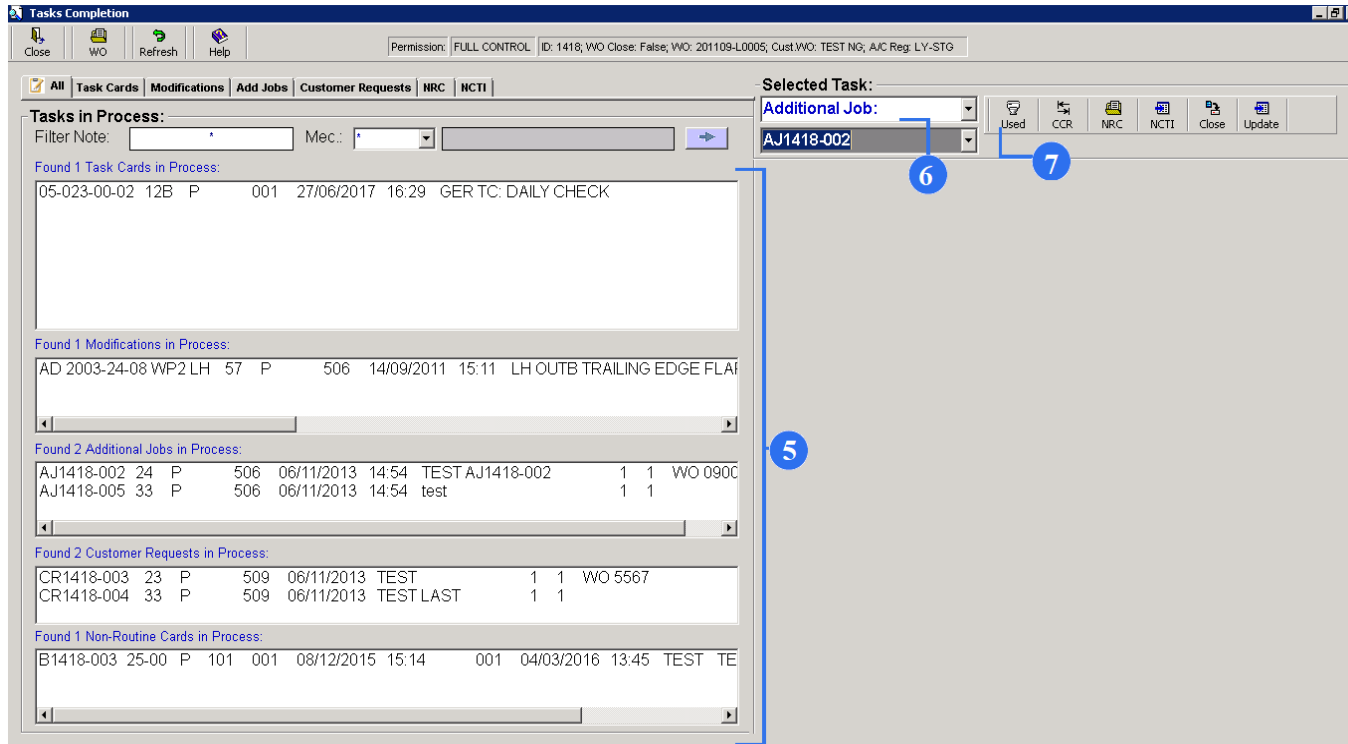
Close WO Refresh Help Permission: FULL CONTROL

Select Work Order: ID, Close Status, EA WO Num, Cust WO Num, Rev, Date, AC Reg:

Found 10 Work Orders:

1445	False	201512-L0002	test			31/12/2015	TST
1428	False	201212-L0001	A320	0		04/12/2012	YL-BBS
1422	False	201110-A0002	201110-A0002	0		30/10/2011	LY-STG
1418	False	201109-L0005	TEST NG	0		12/09/2011	LY-STG
1417	False	201109-L0004	TEST	0		06/09/2011	ES-ABH
1411	False	201108-A0003	201108-A0003	0		24/08/2011	ES-PVI
1379	False	201010-L0003	TEST	0		01/10/2010	ESASM
1351	False	201004-L0083	PLAN10.4.25-5.02	00		22/04/2010	ES-LBD
1343	False	201004-L0075	BU000015	02		08/04/2010	OO-TNE
1317	False	201004-L0049	0070843	00		12/04/2010	ES-ADL <small>List of Found Work Orders</small>

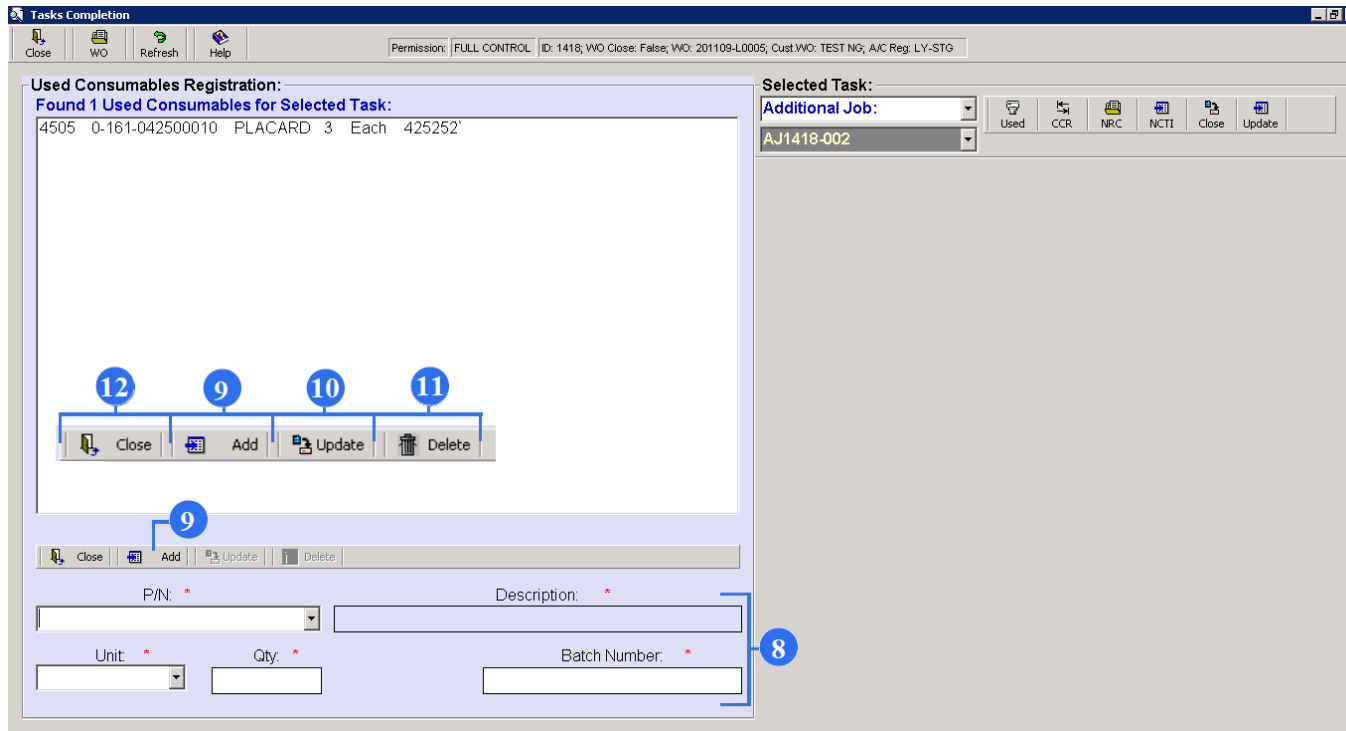
4. To open a work order, highlight a selected work order and double click it.



5. All tasks in process will be displayed on the left side of the screen (task cards, modifications, additional jobs, customer requests, non-routine cards.

6. To enter the Used Consumable Registration Screen, highlight a task or choose a task in the Selected Task field

7. Then click on the “Used” and the screen will be opened.



8. Enter P/N, Unit, Qty and Batch Number.

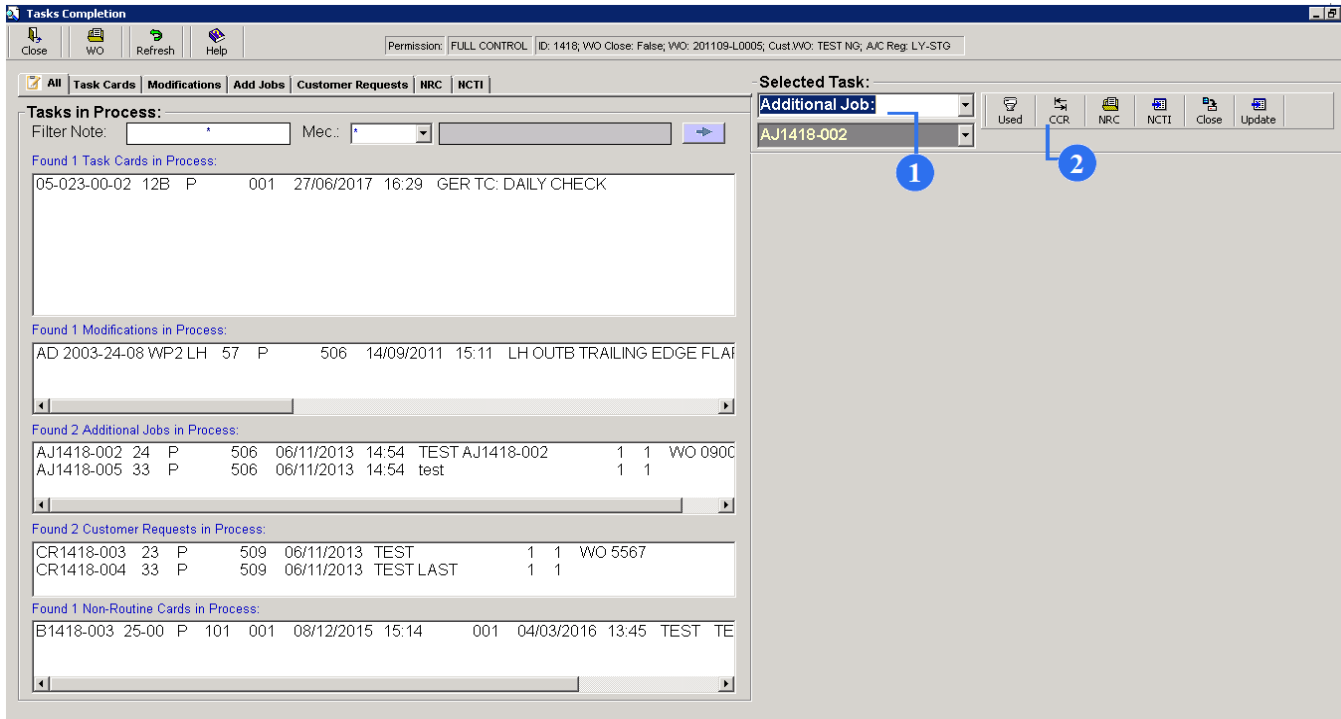
9. Click on the Add to save data.

10. You can make a change and click on the Update.

11. To remove data, highlight it and click on the Delete.

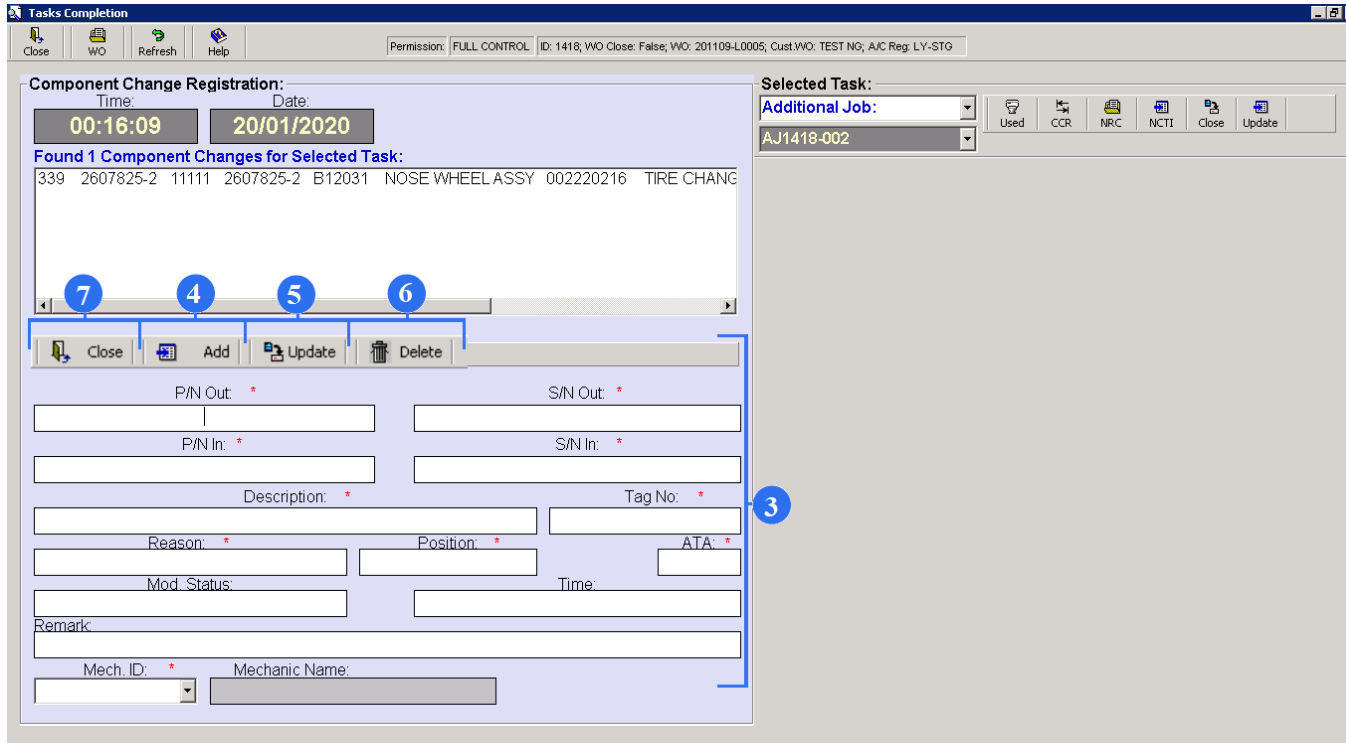
12. Push Close to close the screen.

2. Component Change Registration.



1. To enter the Component Change Registration Screen, highlight a task or choose a task in the Selected Task field

2. Then click on the “CCR” and the screen will be opened.



Tasks Completion

Close WO Refresh Help Permission: FULL CONTROL ID: 1418, WO Close: False, WO: 201109-L0005, Cust.WO: TEST NG, A/C Reg: LY-STG

Component Change Registration:
Time: 00:16:09 Date: 20/01/2020
Found 1 Component Changes for Selected Task:
339 2607825-2 1111 2607825-2 B12031 NOSE WHEEL ASSY 002220216 TIRE CHANG

Selected Task:
Additional Job: [Dropdown]
AJ1418-002 [Dropdown]

Used CGR NRC NCTI Close Update

Close Add Update Delete

P/N Out: * S/N Out: *
P/N In: * S/N In: *
Description: * Tag No: *
Reason: * Position: * ATA: *
Mod. Status: Time:
Remark:
Mech. ID: * Mechanic Name:

3. Enter all necessary data (P/N ON/OFF, S/N ON/OFF, Description of component, Nag number, Reason, ATA). Enter Mech ID.

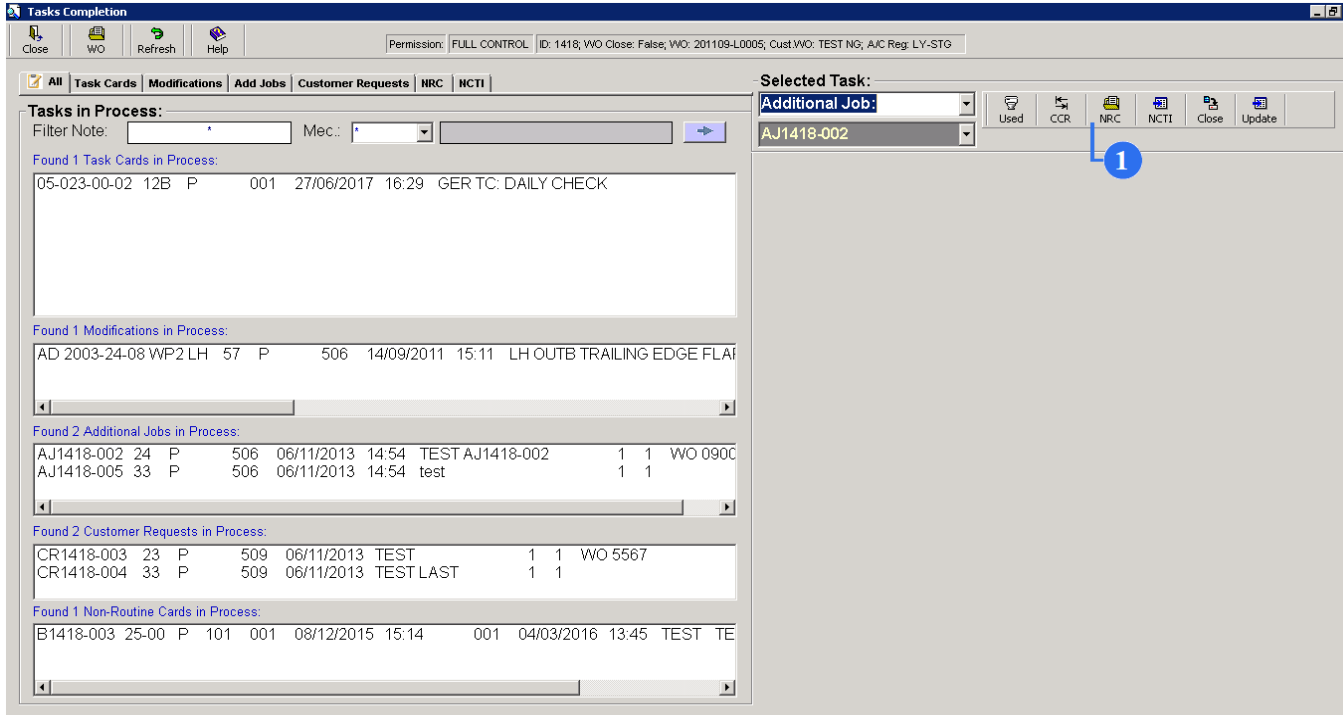
4. Click on the Add to save data.

5. You can make a change and click on the Update.

6. To remove data, highlight it and click on the Delete.

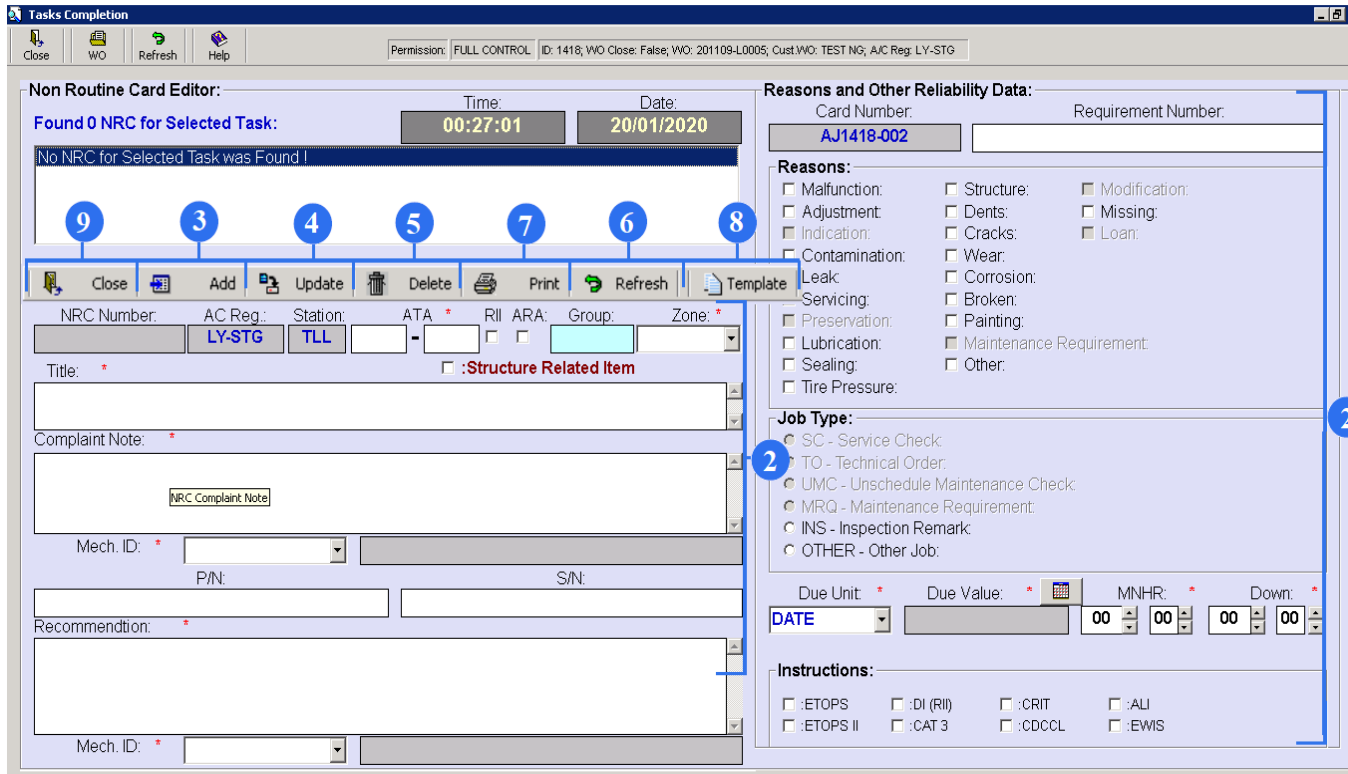
7. Push Close to close the screen.

3. Non-Routine Card (NRC) Registration.



1. To register a non-routine card for a selected task, highlight the task and click on NRC button.

All newly registered non-routine cards will be transferred with opened status to the DISTRUBION screen.



Tasks Completion

Close WO Refresh Help Permission: FULL CONTROL ID: 1418; WO Close: False; WO: 201109-L0005; Cust.WO: TEST NG; A/C Reg: LY-STG

Non Routine Card Editor:

Time: 00:27:01 Date: 20/01/2020

Found 0 NRC for Selected Task:
No NRC for Selected Task was Found!

Reasons and Other Reliability Data:

Card Number: AJ1418-002 Requirement Number:

Reasons:

- Malfunction: Structure: Modification:
- Adjustment: Dents: Missing:
- Indication: Cracks: Loan:
- Contamination: Wear: Corrosion:
- Leak: Broken: Painting:
- Servicing: Preservation: Maintenance Requirement:
- Lubrication: Sealing: Other:
- Tire Pressure:

Job Type:

- SC - Service Check
- TO - Technical Order
- UMC - Unschedule Maintenance Check
- MRQ - Maintenance Requirement
- INS - Inspection Remark
- OTHER - Other Job

Due Unit: DATE Due Value: MNHR: 00 00 00 00 Down: 00 00

Instructions:

- :ETOPS :DI (Rll) :CRIT :ALI
- :ETOPS II :CAT 3 :CDCCL :EWS

9 3 4 5 7 6 8

Close Add Update Delete Print Refresh Template

NRC Number: AC Reg.: LY-STG Station: TLL ATA: Rll ARA: Group: Zone:

Title: * :Structure Related Item

Complaint Note: *

Mech. ID: * P/N: S/N:

Recommendation: *

Mech. ID: *

2

2. Fill out the required text boxes (a title, a compliant note, recommendations, mechanic's id, due unit, due value, estimated man hours-MHR, estimated down time, choose reasons and a job type).

3. Click on the Add button to save and add a NRC.

4. To make changes in a registered NRC, highlight it and then click on the Update tool button.

5. To delete a NRC, click on the Delete tool button.

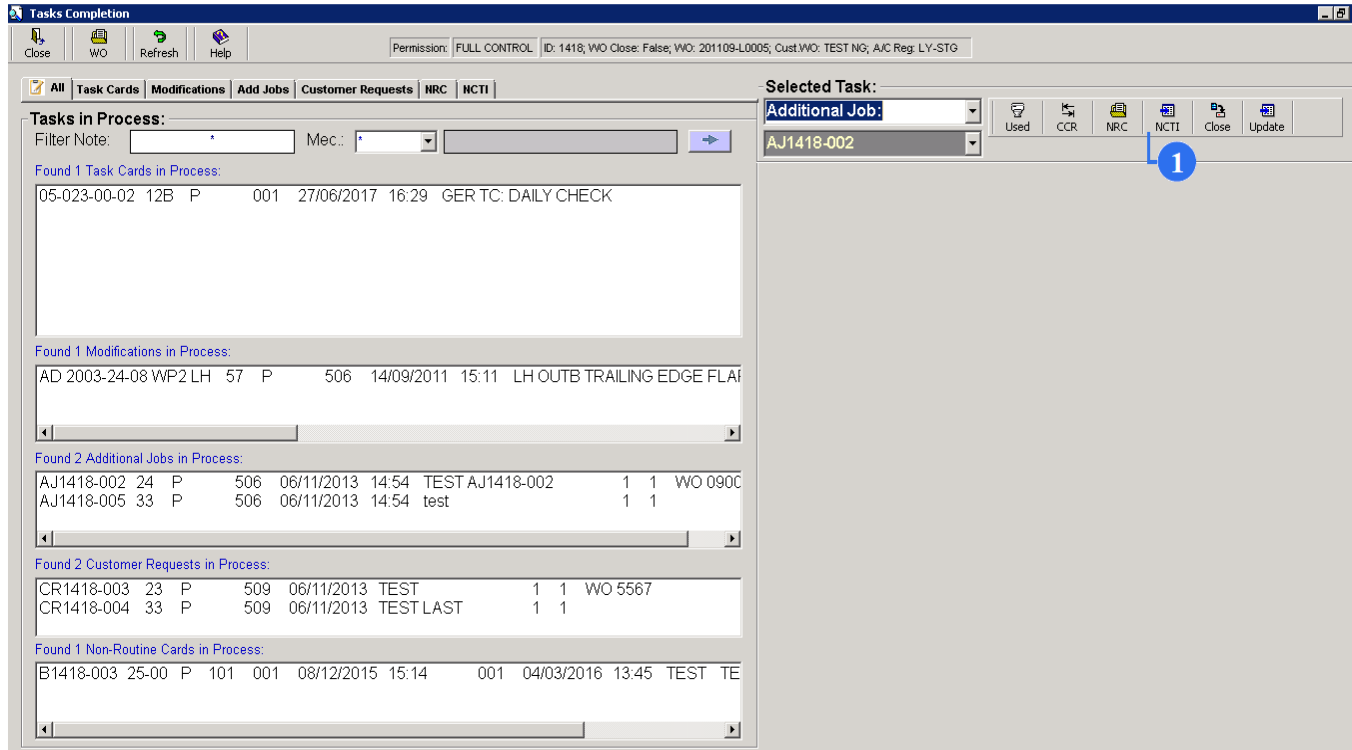
6. To reset text boxes, click on the Refresh tool button.

7. To print out a NRC, click on the Print tool button.

8. To copy NRC Template click on the Template.

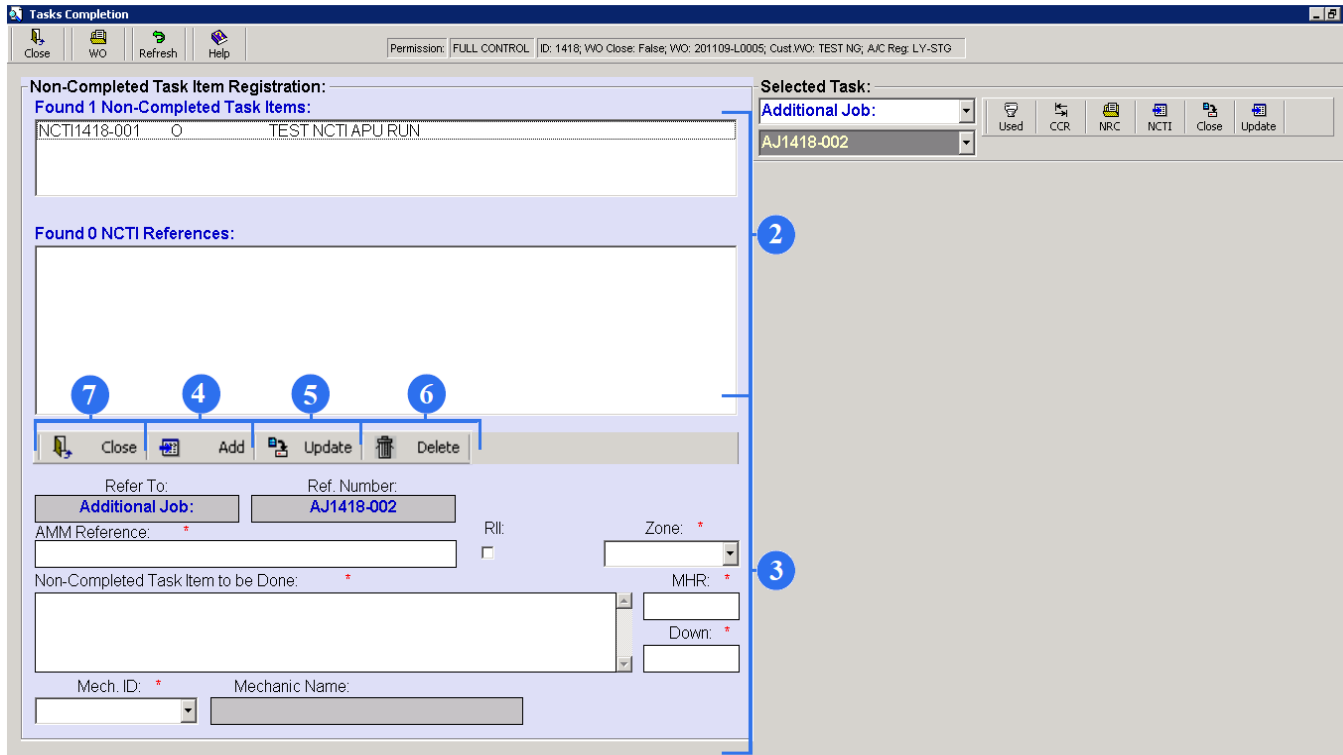
9. To close the Non-Routine Card Editor, click on the Close tool button.

4. Non-Completed Task Items (NCTI) References.



A non-completed task item (NCTI) is registered, when post-repair aircraft checks are needed (for example, a run engine check, leakage test)

1. To register a NCTI reference for a selected task, highlight a task and click on.



2. Using the NCTI Registration editor, you may register references to other task cards in one NCTI. But this NCTI must be already registered in the WP Distribution sub-module.

3. To add a new reference, fill the text boxes.

4. Click on the Add toll button and the reference will be automatically transferred to the NCRI References Window.

5. To make changes in an existing reference, highlight it and click on the Update tool button.

6. To Delete a NCTI reference, click on the Delete button.

7. To exit the Non-Completed Task Item Registration screen, click on the Close tool button.

5. Task Close.

Tasks Completion

Close WO Refresh Help

Permission: FULL CONTROL ID: 1418, WO Close: False, WO: 201109-L0005, Cust.WO: TEST NG, A/C Reg: LY-STG

All Task Cards Modifications Add Jobs Customer Requests NRC NCTI

Tasks in Process:

Filter Note: [] Mec.: []

Found 1 Task Cards in Process: No Used

05-023-00-02	12B	P	001	27/06/2017	16:29	GER TC: DAILY CHECK
--------------	-----	---	-----	------------	-------	---------------------

Found 1 Modifications in Process:

AD 2003-24-08	WP2	LH	57	P	506	14/09/2011	15:11	LH OUTB TRAILING EDGE FLA
---------------	-----	----	----	---	-----	------------	-------	---------------------------

Found 2 Additional Jobs in Process:

AJ1418-002	24	P	506	06/11/2013	14:54	TEST AJ1418-002	1	1	WO 090C
AJ1418-005	33	P	506	06/11/2013	14:54	test	1	1	

Found 2 Customer Requests in Process:

CR1418-003	23	P	509	06/11/2013	TEST	1	1	WO 5567
CR1418-004	33	P	509	06/11/2013	TEST LAST	1	1	

Found 1 Non-Routine Cards in Process:

B1418-003	25-00	P	101	001	08/12/2015	15:14	001	04/03/2016	13:45	TEST TE
-----------	-------	---	-----	-----	------------	-------	-----	------------	-------	---------

Selected Task:

Task Card: []

05-023-00-02

Used CCR NRC NCTI Close Update

Completion Data:

Compl. Time: 00:58:11

Compl. Date: 20/01/2020

Hour: 00 Minute: 00

2500 : 00

Mech. ID: []

CRS By: []

Rll By: []

500:00 001/001
2000:00 001/001

Final Action Note:

1. test 2; 001/001 500:00

2. test; 001/001 2000:00

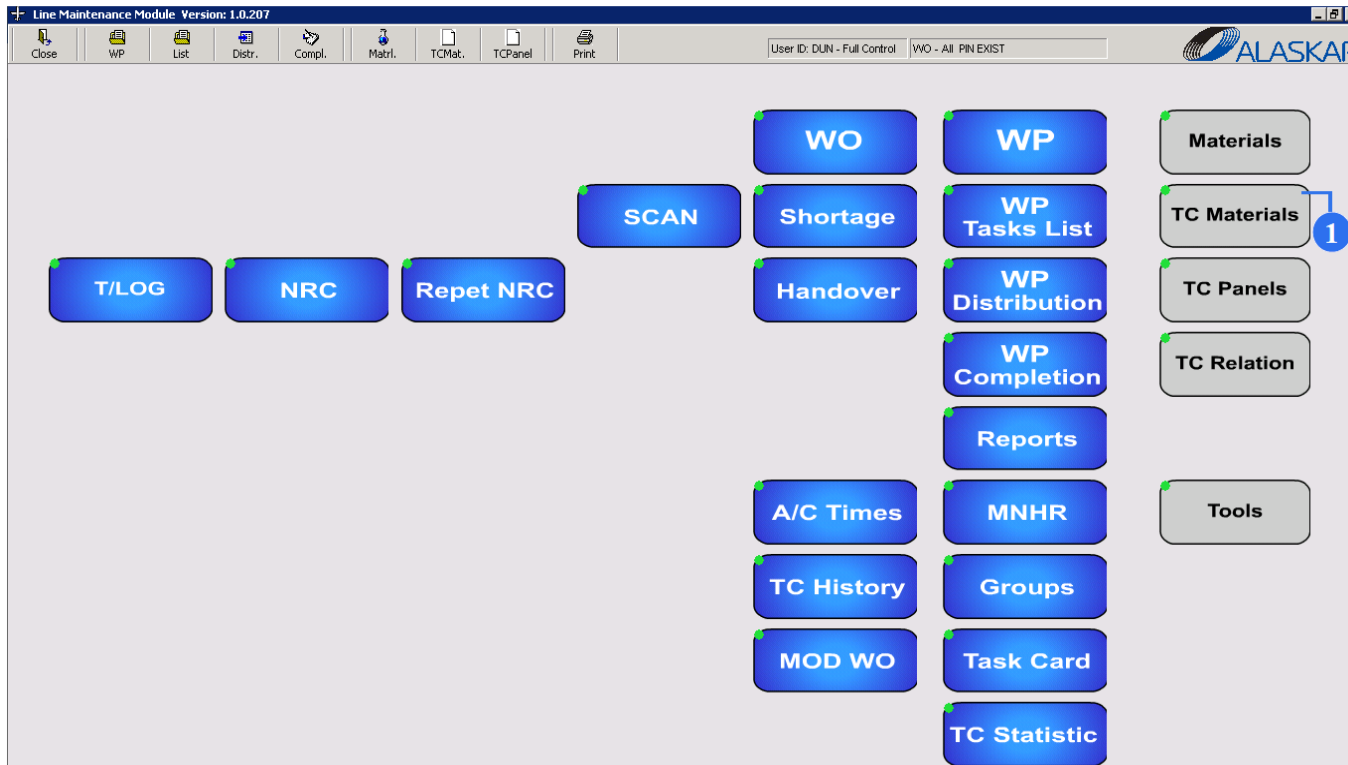
3

1. To close a completed task card, click on the Close button.
2. Enter required information
3. Click on this button. The task will be closed.

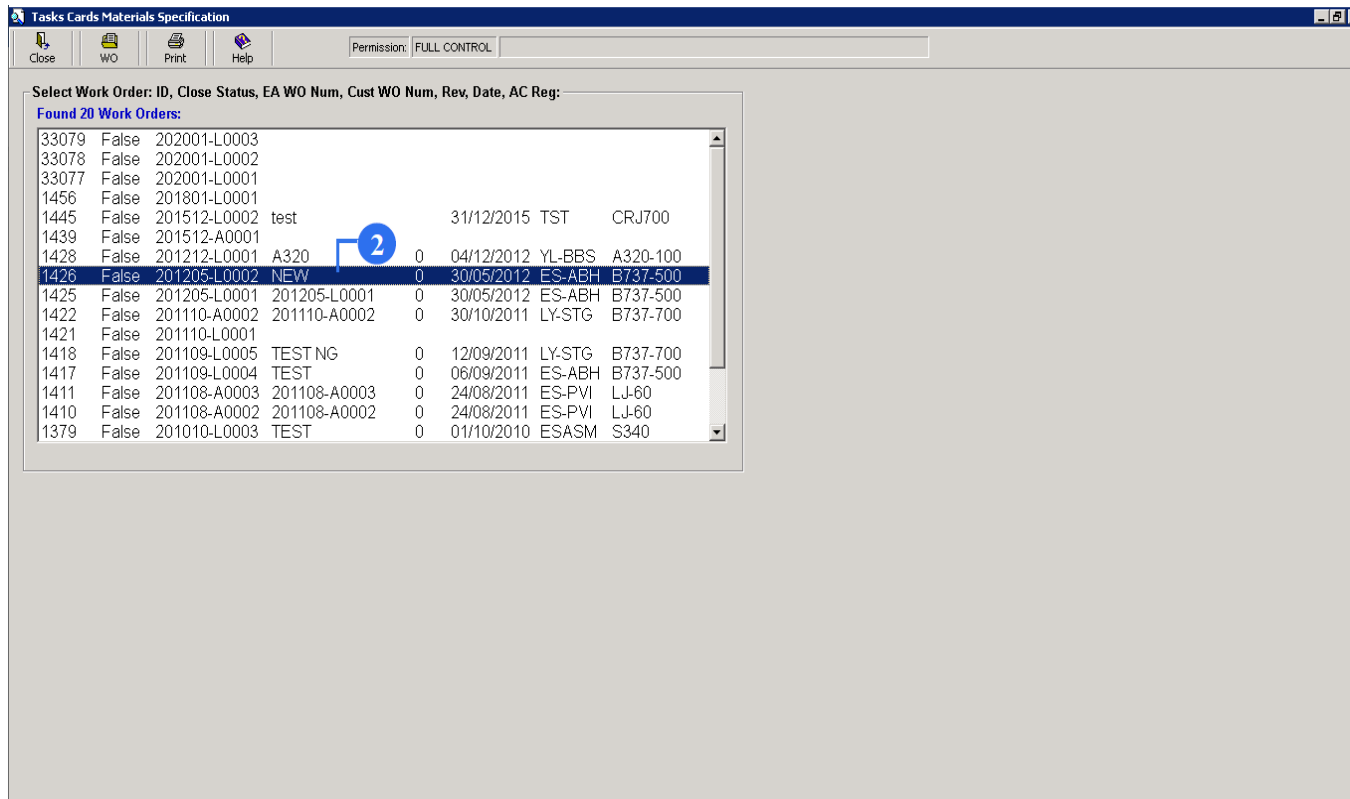
XII. TASK CARD MATERIALS

User Guidance

1. Task Card Materials.



1. The Task Card Materials sub-module registers all materials that are necessary for a work order completion.



Tasks Cards Materials Specification

Close WO Print Help Permission: FULL CONTROL

Select Work Order: ID, Close Status, EA WO Num, Cust WO Num, Rev, Date, AC Reg:

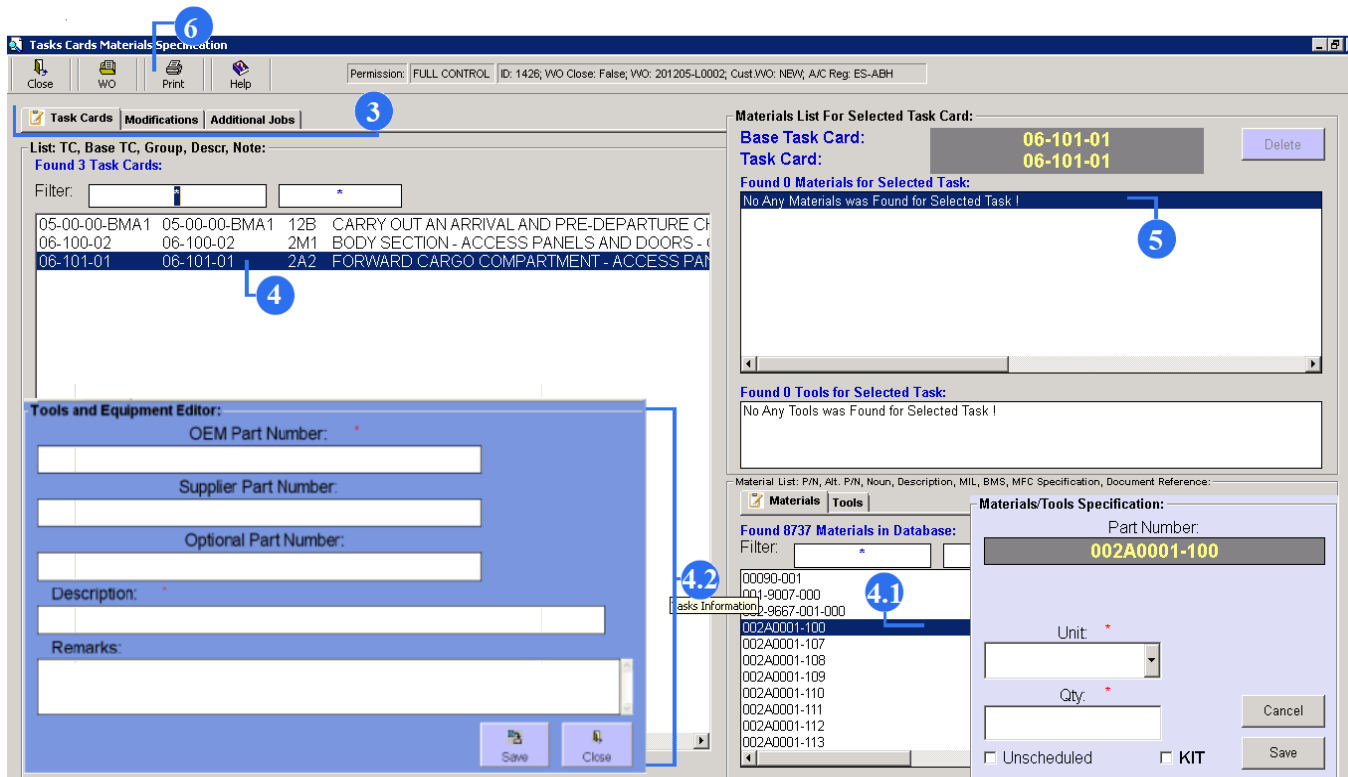
Found 20 Work Orders:

33079	False	202001-L0003																		
33078	False	202001-L0002																		
33077	False	202001-L0001																		
1456	False	201801-L0001																		
1445	False	201512-L0002	test				31/12/2015	TST		CRJ700										
1439	False	201512-A0001																		
1428	False	201212-L0001	A320																	
1426	False	201205-L0002	NEW				0	30/05/2012	ES-ABH	B737-500										
1425	False	201205-L0001	201205-L0001				0	30/05/2012	ES-ABH	B737-500										
1422	False	201110-A0002	201110-A0002				0	30/10/2011	LY-STG	B737-700										
1421	False	201110-L0001																		
1418	False	201109-L0005	TEST NG				0	12/09/2011	LY-STG	B737-700										
1417	False	201109-L0004	TEST				0	06/09/2011	ES-ABH	B737-500										
1411	False	201108-A0003	201108-A0003				0	24/08/2011	ES-PVI	LJ-60										
1410	False	201108-A0002	201108-A0002				0	24/08/2011	ES-PVI	LJ-60										
1379	False	201010-L0003	TEST				0	01/10/2010	ESASM	S340										

2. Select a Work Order.

You may also select a Work order by clicking on the WO toolbar button.

All open Work Orders will be displayed by default. To view closed ones, tick the 'Close' field.



3. After the Work Order selection, all task cards, modifications and additional jobs that constitute it, will be displayed. To switch between them use all these tabs:

4. To register all required materials for a Task Card/ Modification/ Additional Job, highlight it from the list. Then, double click necessary material from the Material list, and in the Material Specification Editor enter a unit and quantity (view 4.1). The list of materials is taken from the Parts Catalog (Store Module, Components sub-module).

If you need to register tools, select a 'Tools' tab, then click on and fill out tool data in the emerged editor. Click on the 'Save' button to save (view 4.2).

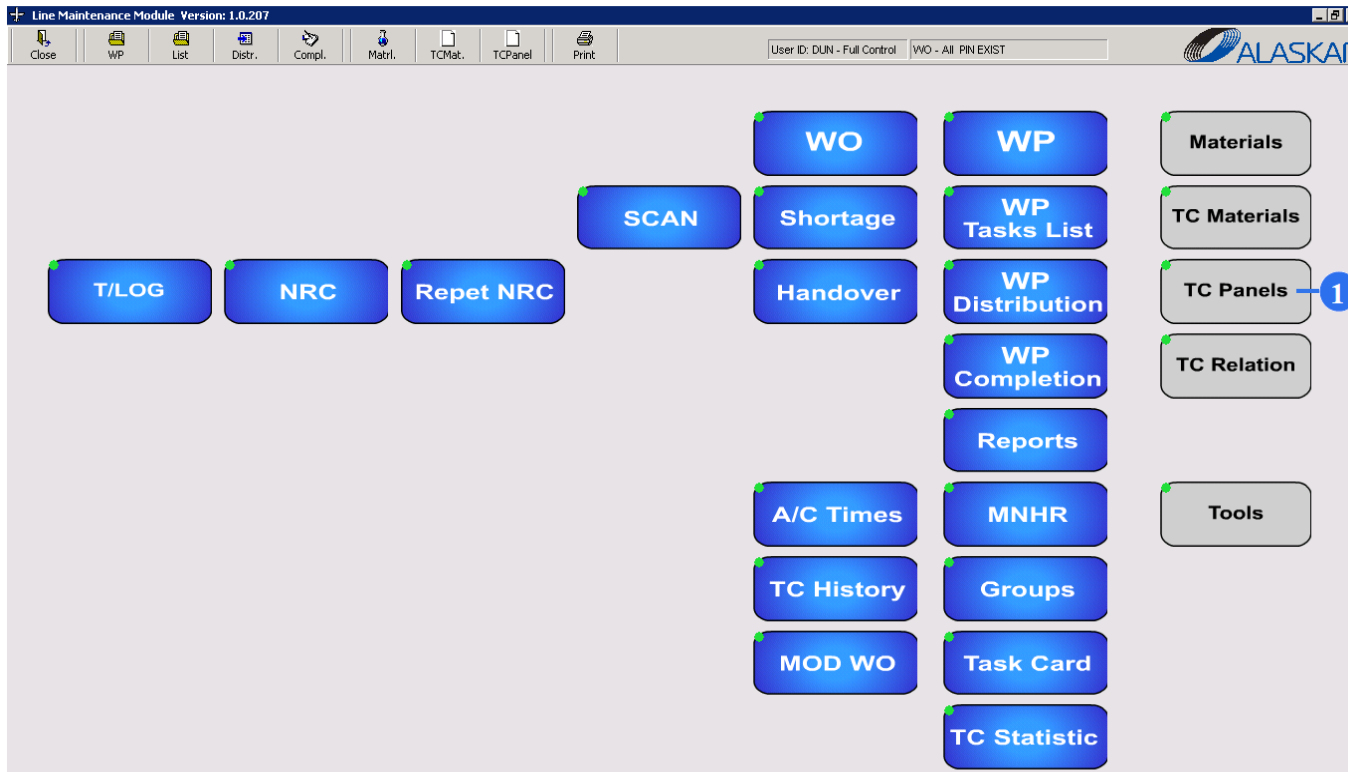
5. To delete a wrongly registered material, highlight it and click on.

6. When all materials for the Work Order are registered, click on Print button .

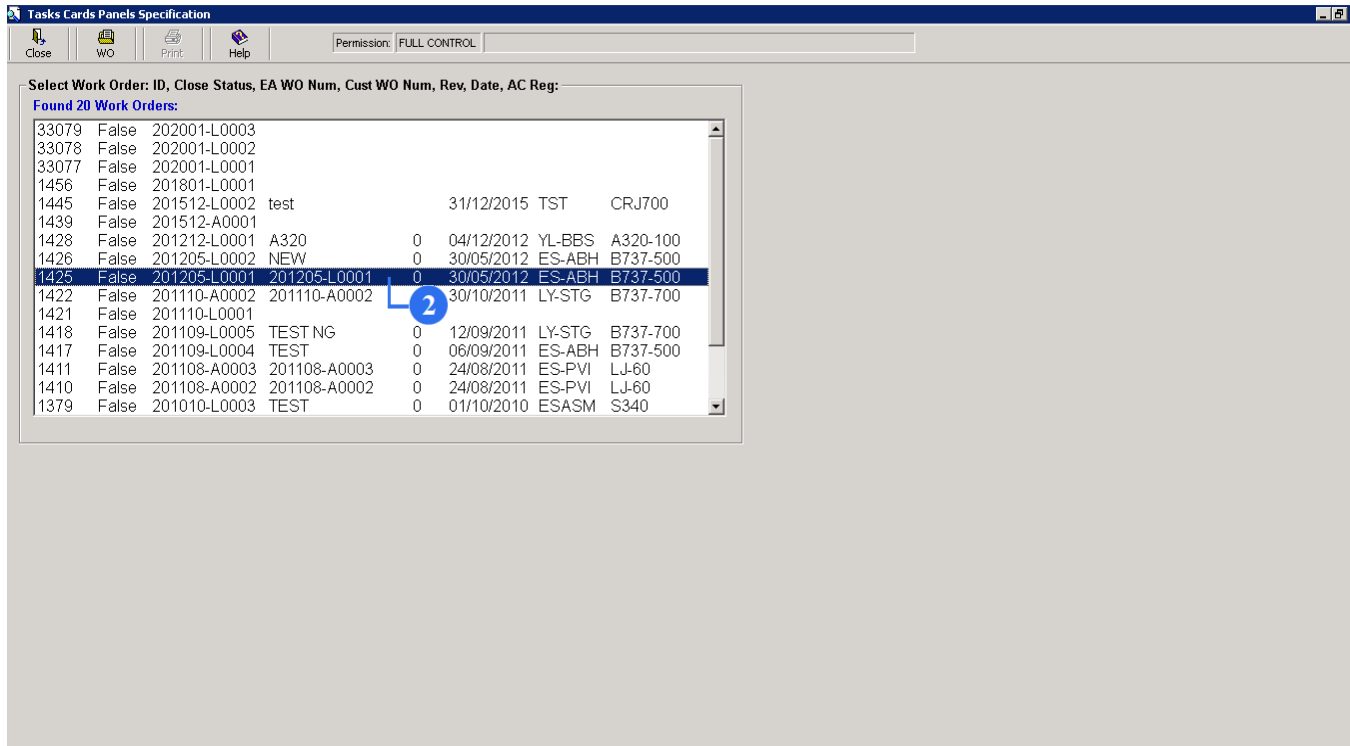
XIII. TASK CARD PANELS

User Guidance

1. Task Card Panels.



1. The Task Card Panels sub-module registers all panels that must be physically in open access before work order completion.



2. Select a Work Order.

You may also select a Work order by clicking on the WO toolbar button.

All open Work Orders will be displayed by default. To view closed ones, tick the 'Close' field.

The screenshot shows the 'Tasks Cards Panels Specification' window. It is divided into several sections:

- Task Cards List:** A table with columns for 'Number, Name, Access'. It contains 30 task cards. Callout 3 points to the 'Task Cards' tab. Callout 4 points to a selected row (06-103-03).
- Access Panels List For Selected Task Card:** Shows the base task card (06-103-03) and task card (06-103-03). Callout 5 points to the 'Delete' button.
- Access Panels List:** A list of 737 panels for aircraft type B737-CL. Callout 4.1 points to a selected panel (1301Y).

3. After the Work Order selection, all task cards, modifications and additional jobs that constitute it, will be displayed. To switch between them use these tabs.

4. To register an access to a panel for the completion of a Task Card/ Modification/ Additional Job, highlight it from the list. Then, double click a necessary panel from the Access Panels List (view 4.1).

The Access Panels List contains only already registered panels, added by using a Panel Editor To open the editor, click on Add. Fill out required information and click on the button with plus to save the new panel. (view 4.2) To update panel data, click on Editor.

5. To delete a wrongly registered access to a panel, highlight it and click on Delete .

6. When access to all necessary panels are registered, click on .

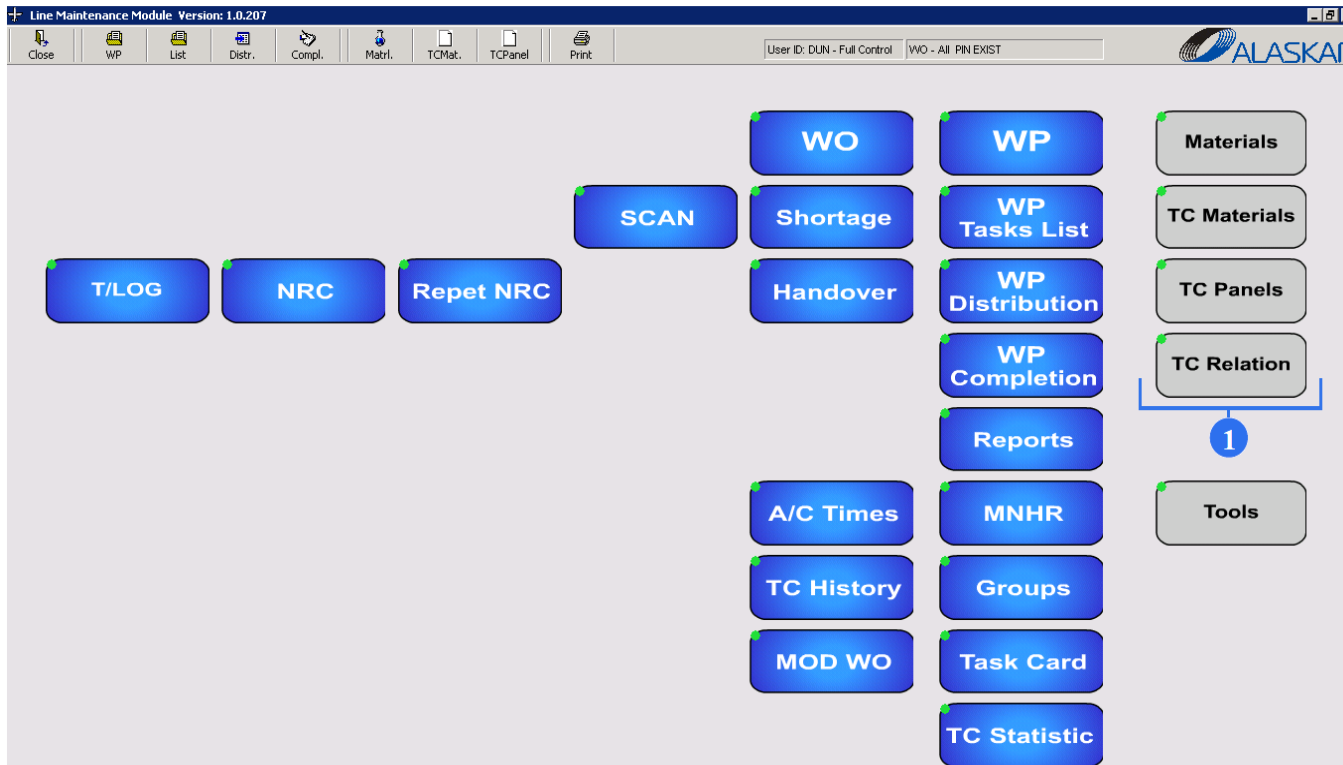
The 'Panel Editor' form contains the following fields:

- Panel Number:** A text input field with an asterisk indicating it is required.
- Panel Name:** A larger text input field with an asterisk indicating it is required.
- Access:** A dropdown menu with an asterisk indicating it is required.
- MPD MNHR:** A text input field.
- A button with a plus sign (+) for saving the panel.

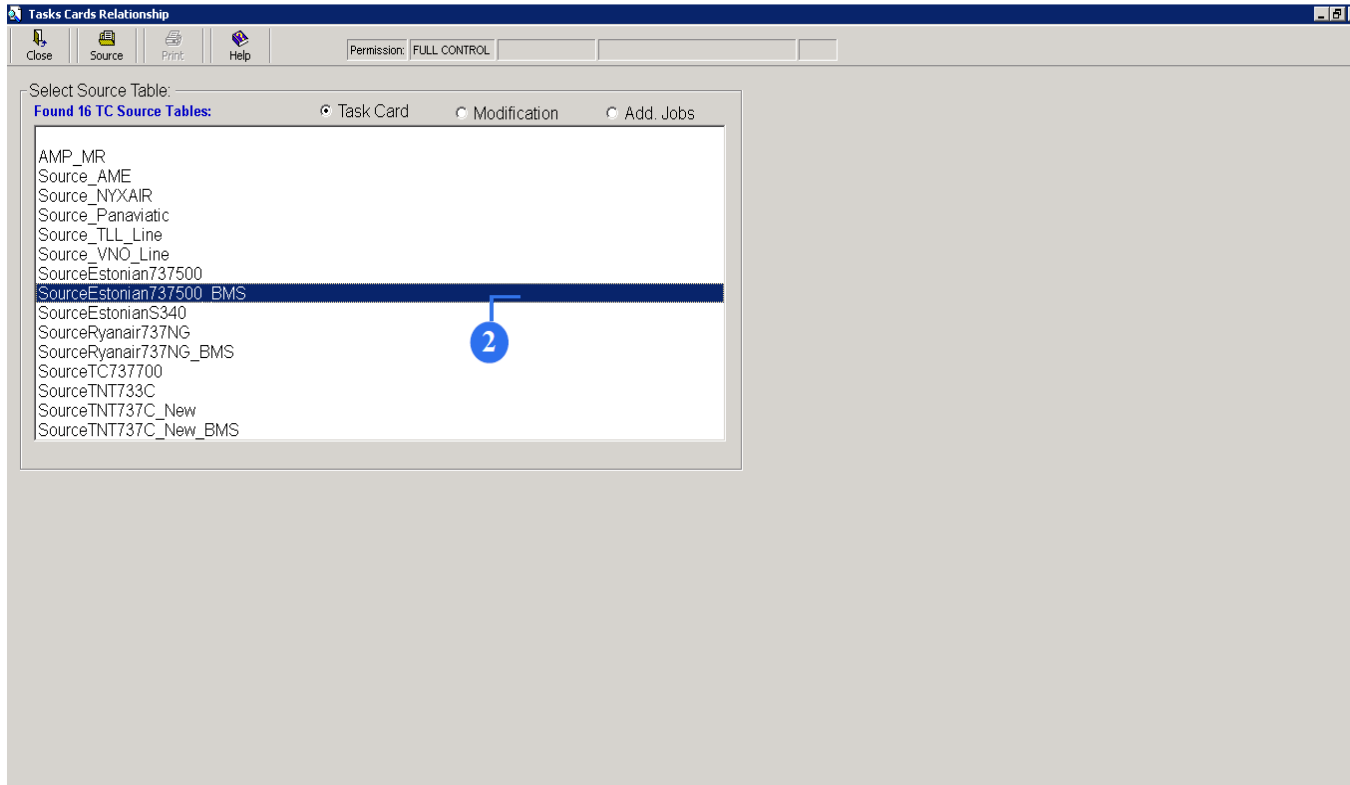
XIV. TASK CARD RELATION

User Guidance

1. Task Card Relation.



1. The Task Card Relation sub-module registers tasks, which completion can be carried out together with another task card.



2. Select a Source of Task Cards/ Modifications/ Additional Jobs (tick the necessary field).

You may also select a Work order by clicking on the Source toolbar button.

The screenshot shows the 'Tasks Cards Relationship' application window. It features a main list of task cards on the left, a 'Task Cards Relationship' panel on the right, and a 'Source Task Cards for Relationship Selection' panel at the bottom. Numbered callouts (3-8) indicate key steps in the workflow: 3 points to the task card list, 4 to the filter field, 5 to a selected task card, 6 to the relationship selection options, 7 to the relative task card list, and 8 to the window title bar.

TC	Int	Descr	Note
05-00-00-BMA1	05-00-00-BMA1	12B	CARRY OUT AN ARRIVAL AND PRE-DEF
05-00-00-BMA3	05-00-00-BMA3	0F	DAMAGE CONTROL UPDATE
06-100-01	06-100-01	2A1	BODY SECTION - ACCESS PANELS ANI
06-100-02	06-100-02	2M1	BODY SECTION - ACCESS PANELS ANI
06-101-01	06-101-01	2A2	FORWARD CARGO COMPARTMENT - A
06-101-02	06-101-02	2M2	FORWARD CARGO COMPARTMENT - A
06-102-01	06-102-01	2A3	AFT CARGO COMPARTMENT - ACCESS
06-102-02	06-102-02	2M3	AFT CARGO COMPARTMENT - ACCESS
06-103-01	06-103-01	1E1	PASSENGER CABIN FLOORS - BS663 T
06-103-02	06-103-02	1E3	PASSENGER CABIN FLOORS - BS663 T
06-103-03	06-103-03	1E1	PASSENGER CABIN FLOORS - BS520 T
06-103-04	06-103-04	1E3	PASSENGER CABIN FLOORS - BS520 T
06-104-00	06-104-00	0D	PASSENGER SEATS AND GALLEY REM
06-300-01	06-300-01	3A	LEFT WING - ACCESS PANELS AND DC
06-300-02	06-300-02	3E	LEFT WING - ACCESS PANELS AND DC
06-303-00	06-303-00	0D	LEFT WING - KRUEGER FLAPS 1 AND 2
06-305-01	06-305-01	3B3	LH WING - FUEL TANK ACCESS OPENIN
06-305-02	06-305-02	3B3	LH WING - FUEL TANK ACCESS CLOSIN
06-400-01	06-400-01	4A	RIGHT WING - ACCESS PANELS AND D
06-400-02	06-400-02	4E	RIGHT WING - ACCESS PANELS AND D
06-403-00	06-403-00	0D	RIGHT WING - KRUEGER FLAPS 3 AND
06-405-01	06-405-01	4B3	RH WING - FUEL TANK ACCESS OPENIN
06-405-02	06-405-02	4B3	RH WING - FUEL TANK ACCESS CLOSIN
06-500-01	06-500-01	5A	LEFT POWER PLANT - ACCESS PANEL
06-500-02	06-500-02	5G	LEFT POWER PLANT - ACCESS PANEL
06-600-01	06-600-01	6A	RIGHT POWER PLANT - ACCESS PANE
06-600-02	06-600-02	6G	RIGHT POWER PLANT - ACCESS PANE
06-700-01	06-700-01	7A	EMPENNAGE - ACCESS PANELS AND
06-700-02	06-700-02	7G	EMPENNAGE - ACCESS PANELS AND
07-000-01	07-000-01	0F	LIFT THE AIRPLANE WITH THE JACKS
07-000-02	07-000-02	0F	LOWER THE AIRPLANE OFF THE JACK

3. After the source selection, a list of task cards/ modifications/ additional jobs will be displayed. This list is displayed twice (view 3.1). If the list is not displayed automatically, click on Source.

4. Use filter to find a task card/modification/ additional job.

5. To register relation of one task card to another task card (modification/ additional job), highlight it from the list. Then, double click a necessary task card from the 'Found Tasks List' (to change the source, click on Source), which completion can be carried out together with the highlighted task card (view 5.1).

8

Tasks Cards Relationship

Close Source Print Help Permission: FULL CONTROL Source Table: SourceEstonian737500 TC

List: TC, Int, Descr, Note:
Found 1506 Task Cards:

TC	Int	Descr	Note
05-00-00-BMA1	05-00-00-BMA1	12B	CARRY OUT AN ARRIVAL AND PRE-DEF
05-00-00-BMA3	05-00-00-BMA3	0F	DAMAGE CONTROL UPDATE
06-100-01	06-100-01	2A1	BODY SECTION - ACCESS PANELS ANI
06-100-02	06-100-02	2M1	BODY SECTION - ACCESS PANELS ANI
06-101-01	06-101-01	2A2	FORWARD CARGO COMPARTMENT - A
06-101-02	06-101-02	2M2	FORWARD CARGO COMPARTMENT - A
06-102-01	06-102-01	2A3	AFT CARGO COMPARTMENT - ACCESS
06-102-02	06-102-02	2M3	AFT CARGO COMPARTMENT - ACCESS
06-103-01	06-103-01	1E1	PASSENGER CABIN FLOORS - BS663 1
06-103-02	06-103-02	1E3	PASSENGER CABIN FLOORS - BS663 1
06-103-03	06-103-03	1E1	PASSENGER CABIN FLOORS - BS520 1
06-103-04	06-103-04	1E3	PASSENGER CABIN FLOORS - BS520 1
06-104-00	06-104-00	0D	PASSENGER SEATS AND GALLEY REM
06-300-01	06-300-01	3A	LEFT WING - ACCESS PANELS AND DC
06-300-02	06-300-02	3E	LEFT WING - ACCESS PANELS AND DC
06-303-00	06-303-00	0D	LEFT WING - KRUEGER FLAPS 1 AND 2
06-305-01	06-305-01	3B3	LH WING - FUEL TANK ACCESS OPENIN
06-305-02	06-305-02	3B3	LH WING - FUEL TANK ACCESS CLOSIN
06-400-01	06-400-01	4A	RIGHT WING - ACCESS PANELS AND D
06-400-02	06-400-02	4E	RIGHT WING - ACCESS PANELS AND D
06-403-00	06-403-00	0D	RIGHT WING - KRUEGER FLAPS 3 AND
06-405-01	06-405-01	4B3	RH WING - FUEL TANK ACCESS OPENIN
06-405-02	06-405-02	4B3	RH WING - FUEL TANK ACCESS CLOSIN
06-500-01	06-500-01	5A	LEFT POWER PLANT - ACCESS PANEL
06-500-02	06-500-02	5G	LEFT POWER PLANT - ACCESS PANEL
06-600-01	06-600-01	6A	RIGHT POWER PLANT - ACCESS PANE
06-600-02	06-600-02	6G	RIGHT POWER PLANT - ACCESS PANE
06-700-01	06-700-01	7A	EMPENNAGE - ACCESS PANELS AND
06-700-02	06-700-02	7G	EMPENNAGE - ACCESS PANELS AND
07-000-01	07-000-01	0F	LIFT THE AIRPLANE WITH THE JACKS
07-000-02	07-000-02	0F	LOWER THE AIRPLANE OFF THE JACK

3

4

5

Task Cards Relationship:

Selected Base Task Card:
06-305-02

Selected Task Card:
06-305-02

Selected Task Card Description:
LH WING - FUEL TANK ACCESS CLOSING AFTER INSPECTION

List of Relative Base Task Card:
No Any Relative was Found for Selected Task Card

7

Source Task Cards for Relationship Selection:

Source Table: SourceEstonian737500 TC

One Way Two Ways Call-Out

6

Found 1506 Task Cards:

TC	Int	Descr	Note
05-00-00-BMA1	05-00-00-BMA1	12B	CARRY OUT AN ARRIVAL AND PRE-DEF
05-00-00-BMA3	05-00-00-BMA3	0F	DAMAGE CONTROL UPDATE
06-100-01	06-100-01	2A1	BODY SECTION - ACCESS PANELS ANI
06-100-02	06-100-02	2M1	BODY SECTION - ACCESS PANELS ANI
06-101-01	06-101-01	2A2	FORWARD CARGO COMPARTMENT - A
06-101-02	06-101-02	2M2	FORWARD CARGO COMPARTMENT - A
06-102-01	06-102-01	2A3	AFT CARGO COMPARTMENT - ACCESS
06-102-02	06-102-02	2M3	AFT CARGO COMPARTMENT - ACCESS
06-103-01	06-103-01	1E1	PASSENGER CABIN FLOORS - BS663 1
06-103-02	06-103-02	1E3	PASSENGER CABIN FLOORS - BS663 1

5.1

3.1

6. Set a relation type:

- 'One Way Relation' means that when Task A is completed, Task B must be also completed.

- 'Two Ways Relation' means that when Task A is completed, Task B must be also completed. And vice versa: when Task B is completed, task A must be also completed.

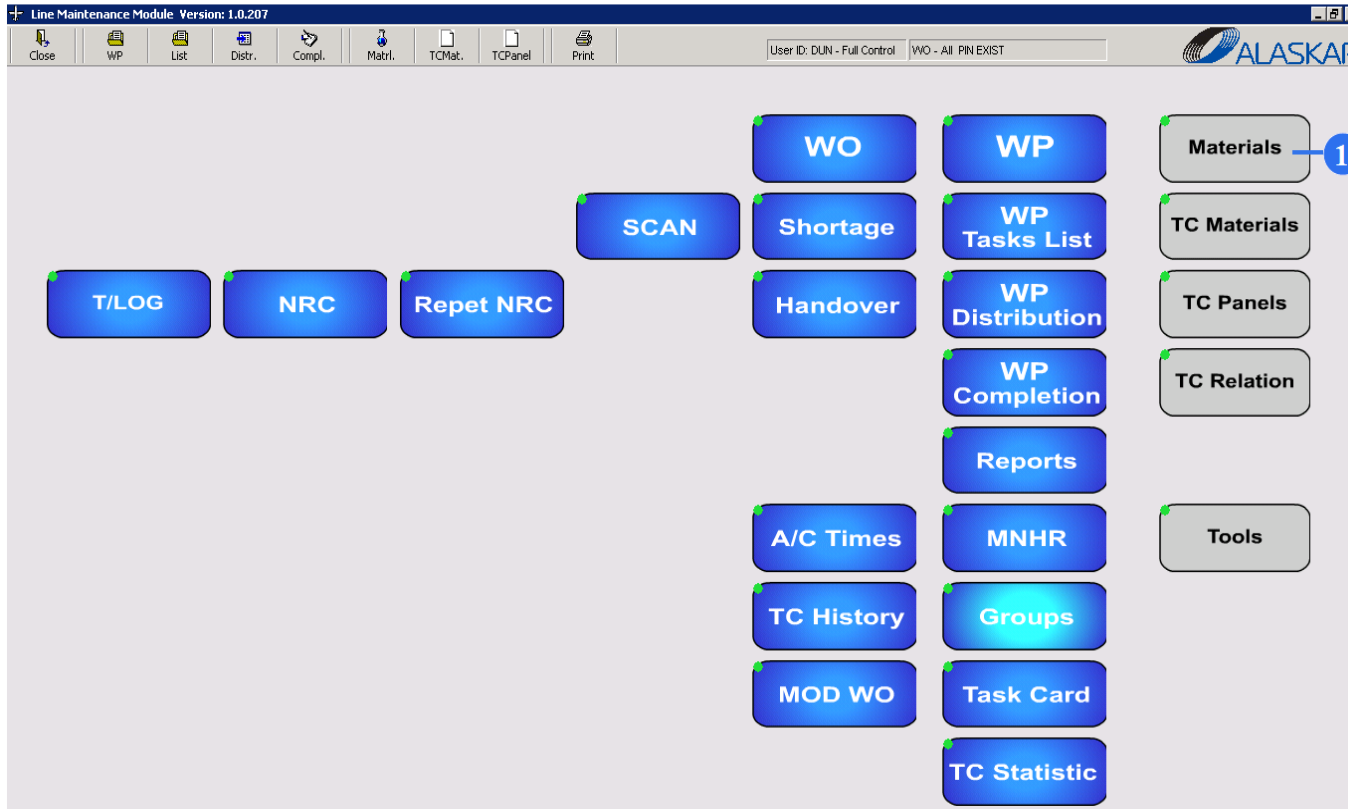
7. The relation will be displayed in the List of Relative Base Task Card.

8. When access to all necessary panels are registered, click on Print.

XV. MATERIALS

User Guidance

1. Materials.



1. The Materials sub-module registers materials, also you can see tools. Click on the Materials button.

Registration of Materials

Close Attach Permission: FULL CONTROL

Materials Tools

Master Material Editor:

1 Add 2 Update 3 Delete 4 Refresh

3 Part Number: * 002A0001-109 Altern. Part Number: Noun: * KIT Part Group: BNGCONS Description: * TOP KIT SB737-27-1300 ELEV TAB INSTL

Standard/BMS/ABS/CMS: MFC Specification: Document Reference: SB737-27-1300 Price USD: 0

MIL Reference: Application Note: Application Procedure:

Material List: P/N, Alt. P/N, Noun, Description, MIL, BMS, MFC Specification, Document Reference:

Found 8737 Materials in Database:

Filter: P.N. Noun. Part Group. Description. Doc. Reference. Excel Reset

00090-001	CONSUMABLE	GASKET		
001-9007-000	CONSUMABLE	CONTACT		
002-9667-001-000	KIT	KIT RELAY INSTALLATION SB737-28A1212		
002A0001-100	KIT	KIT SB737-27A1297		
002A0001-107	KIT	TOP KIT SB737-27-1300 ELEV TAB CNTRL MECH		
002A0001-108	KIT	TOP KIT SB737-54-1043-02		
002A0001-109	KIT	TOP KIT SB737-27-1300 ELEV TAB INSTL		
002A0001-110	KIT	TOP KIT SB737-57A1314 GR1-2 C1; GR3		
002A0001-111	KIT	TOP KIT SB737-57-1293 GR1 C1		
002A0001-112	KIT	TOP KIT SB737-57A1314 GR1-2 C2		
002A0001-113	KIT	TOP KIT SB737-55-1086 GR1 C2		
002A0001-114	KIT	TOP KIT SB737-55-1086 GR1 C1; GR2 C1		
002A0001-125	KIT	TOP KIT SB737-57-1336		

2. Enter required information.

3. Push on the Add to save materials.

4. You can monitor created material in the database.

5. Use filters to find necessary material.

6. Highlight the line. Make a change and click Update.

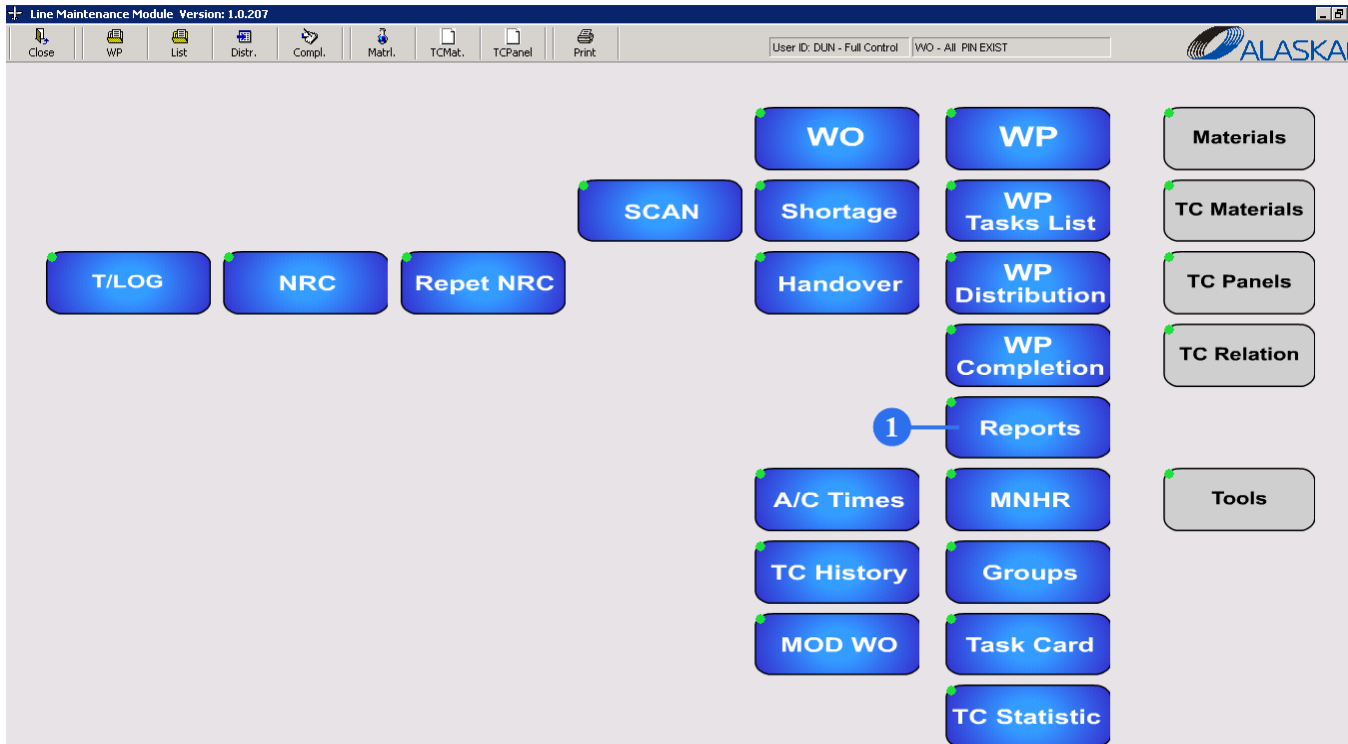
7. To remove the material, click Delete.

8. To reset the data, push on the Refresh.

XVI. REPORTS

User Guidance

1. Reports.



1. The Reports sub-module is used for printing out the final report, including the full data of line maintenance:

- basic information
- changed components list
- modifications list
- task cards list
- non-completed task's items list
- additional jobs list
- completed NRC list
- deferred NRC list
- customer request list
- non-completed task's items details
- additional repair agreement
- used consumables list
- NRC current status list
- man hours statistic

Select Work Order: ID, Close Status, EA WO Num, Cust WO Num, Rev, Date, AC Reg:

Found 20 Work Orders:

WO Package	Line WO	Line NRC	Period				
33079	False	202001-L0003					
33078	False	202001-L0002					
33077	False	202001-L0001					
1456	False	201801-L0001					
1445	False	201512-L0002	test		31/12/2015	TST	CRJ700
1439	False	201512-A0001					
1428	False	201212-L0001	A320	0	04/12/2012	YL-BBS	A320-100
1426	False	201205-L0002	NEW	0	30/05/2012	ES-ABH	B737-500
1425	False	201205-L0001	201205-L0001	0	30/05/2012	ES-ABH	B737-500
1422	False	201110-A0002	201110-A0002	0	30/10/2011	LY-STG	B737-700
1421	False	201110-L0001					
1418	False	201109-L0005	TEST NG	0	12/09/2011	LY-STG	B737-700
1417	False	201109-L0004	TEST	0	06/09/2011	ES-ABH	B737-500
1411	False	201108-A0003	201108-A0003	0	24/08/2011	ES-PVI	LJ-60
1410	False	201108-A0002	201108-A0002	0	24/08/2011	ES-PVI	LJ-60
1379	False	201010-L0003	TEST	0	01/10/2010	ESASM	S340

Buttons: 'Open', 'Close', Cancel

2. Select a Work Package ('WO Package') or a Work Order ('Line WO') or a NRC ('Line NRC').

3. Choose a final report to be printed out, and then the system automatically generates it.

4. To print out all registered NRCs for a particular aircraft, double click on the line. File will be opened. You can print out it.

Select Report to Print in the List |

Selected WO Number: 201205-L0002

WO Package	Line WO	Line NRC	Period
0	WO Basic Information		
1	App. 2.1. Changed Components Final List		
2	App. 2.2. Modifications Final Report List		
3	App. 2.3. Task Card Final Report List		
4	App. 2.4. Non-Completed Task's Items Final Report List		
5	App. 2.5. Additional Jobs Final Report List		
6	App. 2.6. Non-Routine Cards Final Report List - Completed		
7	App. 2.7. Non-Routine Cards Final Report List - Deferred		
8	App. 2.8. Customer Requests Final Report List		
9	App. 2.9. Non-Completed Task's Items Details Report List		
10	App. 2.10. Additional Repair Agreements Summary List		
11	Used Consumables Final List		
12	Non-Routine Cards Current Status List		

Buttons: Back, Cancel

Excel:
 PDF:

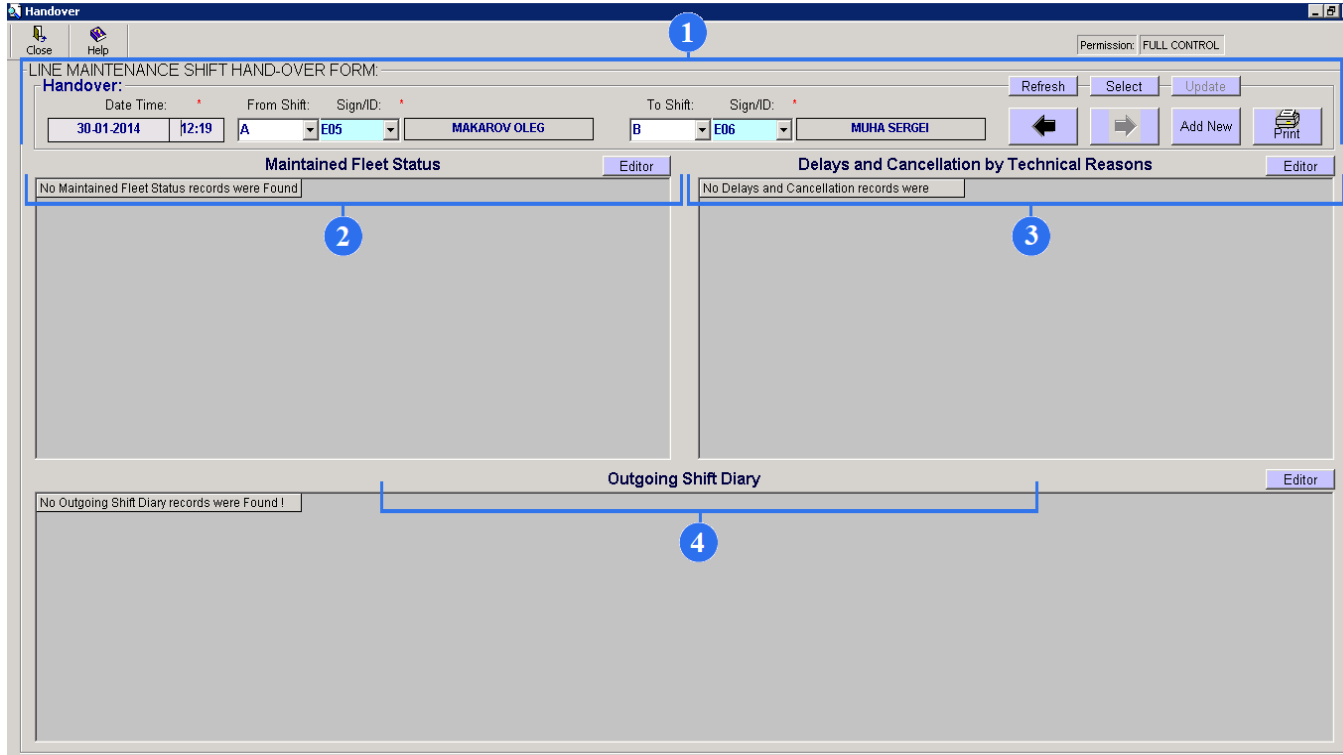
XVII. HANDOVER

User Guidance

Contents

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4. Quick Search.....	239

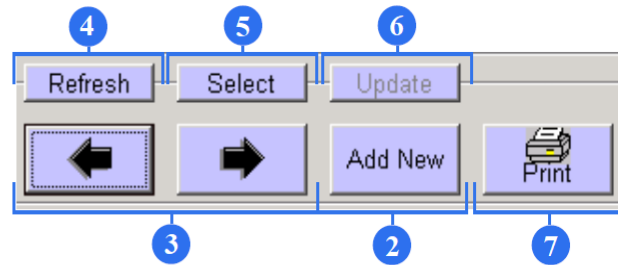
1. Handover Screen.



Handover screen consist of four frames:

- Handover Title (1);
- Maintained Fleet Status (2);
- Delays and Cancellations (3);
- Shift Diary (4).

2. Handover Screen.

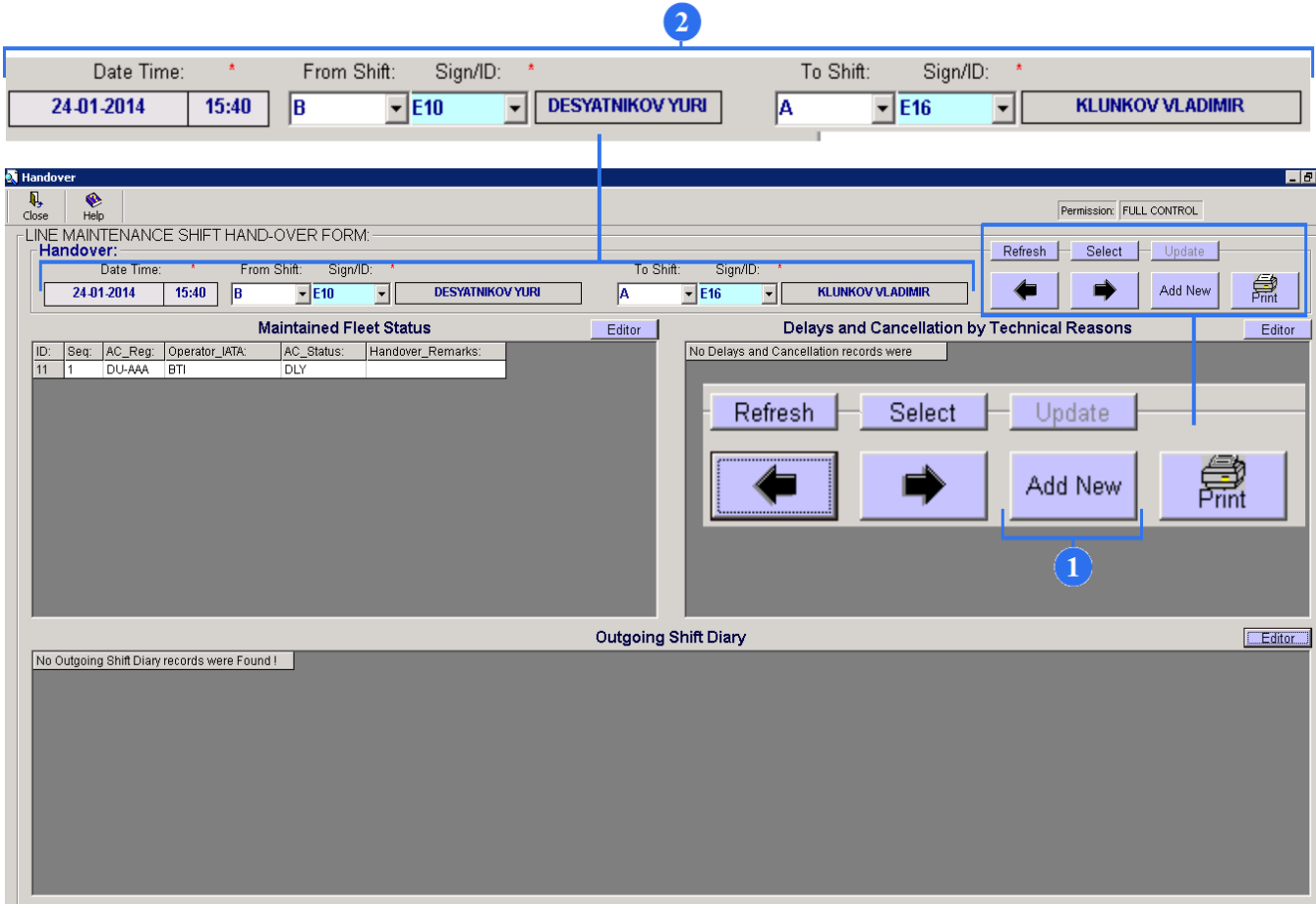


Handover Controls:

- Add New Handover Button (2);
- Surfing by the Date (3);
- Refresh - restore the original Handover screen (4);
- Select – quick search (4);
- Update – change Handover Title (limitation two last days) (5);
- Print – print report (6);
- Editor – run editor (7).

The screenshot shows the 'Handover' application window. At the top, there are fields for 'Date Time', 'From Shift', 'Sign/ID', 'To Shift', and 'Sign/ID'. Below these are two tables: 'Maintained Fleet Status' and 'Delays and Cancellation by Technical Reasons'. The 'Maintained Fleet Status' table has columns for ID, Seq, AC_Reg, Operator_IATA, AC_Status, and Handover_Remarks. The 'Delays and Cancellation by Technical Reasons' table has columns for ID, Seq, AC_Reg, Operator_IATA, Flight_No, Delay, and Comments. At the bottom, there is an 'Outgoing Shift Diary' table with columns for ID, Seq, AC_Reg, Operator_IATA, Complaint_Defect, and Actions. Numbered callouts point to various elements: 2 for the 'Add New' button, 3 for the date field, 4 for the 'Refresh' button, 5 for the 'Update' button, 6 for the 'Print' icon, 7 for the 'Editor' button, and 8 for the 'Editor' button in the 'Maintained Fleet Status' table.

3. New Handover Registration.

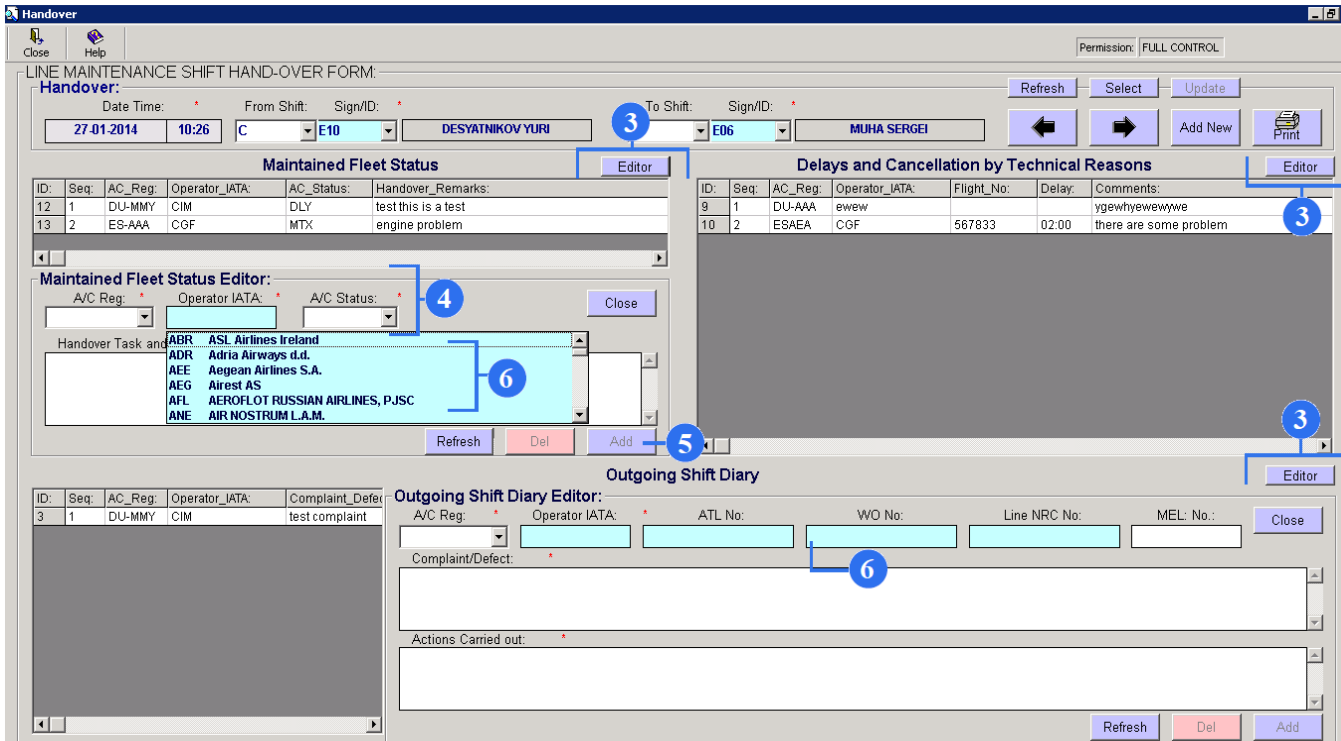


The screenshot shows a software interface for handover registration. At the top, there is a header bar with fields for 'Date Time', 'From Shift', 'Sign/ID', 'To Shift', and 'Sign/ID'. Below this is a main window titled 'Handover' with a 'Permission: FULL CONTROL' indicator. The main window contains a sub-form with the same fields as the header bar. Below the sub-form are two sections: 'Maintained Fleet Status' and 'Delays and Cancellation by Technical Reasons'. The 'Delays and Cancellation by Technical Reasons' section contains a set of buttons: 'Refresh', 'Select', 'Update', 'Add New', and 'Print'. A blue circle with the number '1' is placed over the 'Add New' button. Another blue circle with the number '2' is placed over the 'From Shift' and 'To Shift' fields in the sub-form. The 'Outgoing Shift Diary' section at the bottom shows a message: 'No Outgoing Shift Diary records were Found!'.

1. To add new Handover push “Add New” button.

2. Select From-To Shift Data (Date and Time will appear automatically from system).

When new Handover Title was added user can work with Handover sections.



The screenshot shows the 'Handover' application window with the following sections and callouts:

- Callout 3:** Points to the 'To Shift' dropdown menu in the top header area.
- Callout 4:** Points to the 'A/C Reg:' field in the 'Maintained Fleet Status Editor'.
- Callout 5:** Points to the 'Add' button in the 'Maintained Fleet Status Editor'.
- Callout 6:** Points to a list of airline operators in the 'Maintained Fleet Status Editor'.

The interface includes several data tables:

ID	Seq	AC_Reg	Operator_IATA	AC_Status	Handover_Remarks
12	1	DU-MMY	CIM	DLY	test this is a test
13	2	ES-AAA	CGF	MTX	engine problem

ID	Seq	AC_Reg	Operator_IATA	Flight_No	Delay	Comments
9	1	DU-AAA	ewew			ygywhyewewewew
10	2	ESAEA	CGF	567833	02:00	there are some problem

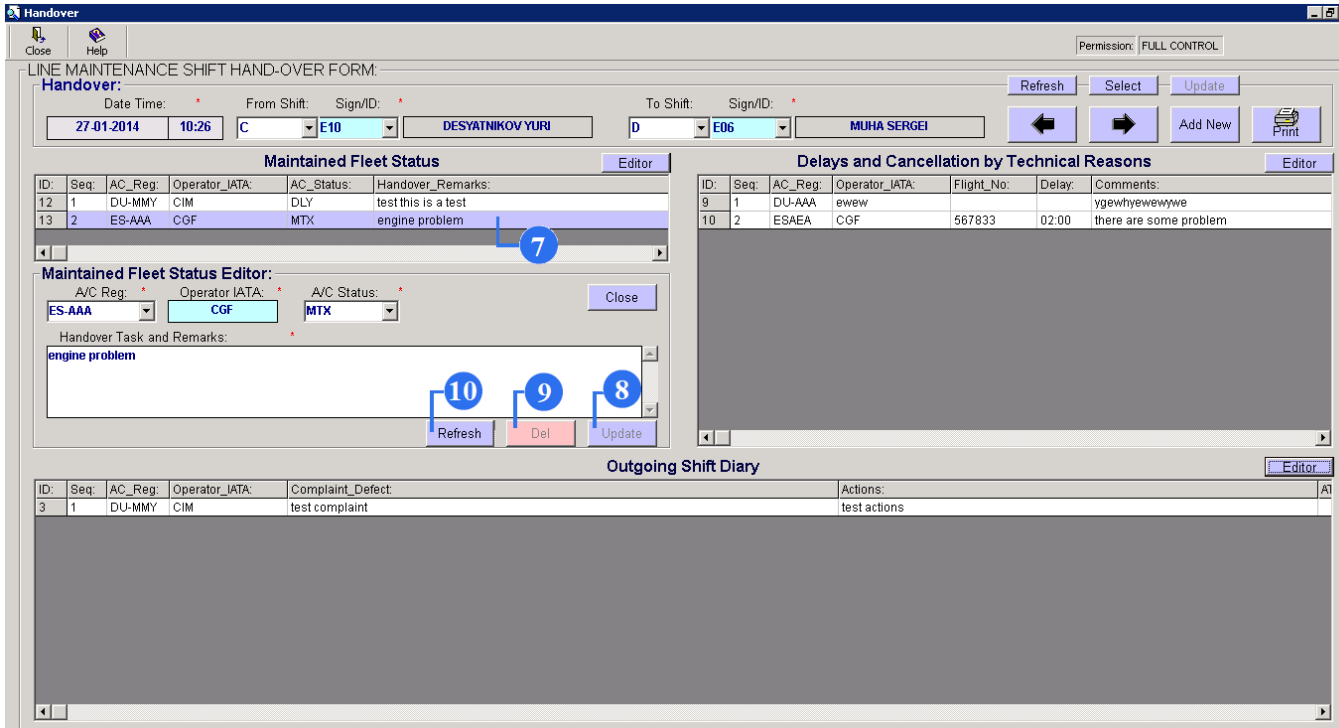
ID	Seq	AC_Reg	Operator_IATA	Complaint_Defect
3	1	DU-MMY	CIM	test complaint

3. To add new record to any Handover section push appropriate “Editor” button then editor will appear.

4. Fill required fields.

5. Push “Add” button to save record.

6. Some fields (blue) to facilitate filling take data from other tables and also allowed free entry. When cursor move into that field will appear blue list for data selection but if you need put data manually click one more time in that field and again click one more time to see the list.



The screenshot shows the 'Handover' application window. At the top, there are fields for 'Date Time', 'From Shift', 'Sign/ID', 'To Shift', and 'Sign/ID'. Below these are two tables: 'Maintained Fleet Status' and 'Delays and Cancellation by Technical Reasons'. The 'Maintained Fleet Status' table has a row with ID 13, Seq 2, AC_Reg ES-AAA, Operator_IATA CGF, AC_Status MTX, and Handover_Remarks 'engine problem'. A blue circle with the number 7 points to this row. Below the table is an editor form with fields for A/C Reg, Operator IATA, and A/C Status, and a text area for 'Handover Task and Remarks'. A blue circle with the number 8 points to the 'Update' button. A blue circle with the number 9 points to the 'Del' button. A blue circle with the number 10 points to the 'Refresh' button. At the bottom, there is an 'Outgoing Shift Diary' table with one row: ID 3, Seq 1, AC_Reg DU-MMY, Operator_IATA CIM, Complaint_Defect 'test complaint', and Actions 'test actions'. A blue circle with the number 10 points to the 'Refresh' button in this section.

7. After saving you can see created handover. Highlight it.

8. Make a change in the necessary fields and click on the Update.

9. To remove the handover click on the Del.

10. To reset all entered data click on the Refresh.

Handover

Permission: FULL CONTROL

LINE MAINTENANCE SHIFT HAND-OVER FORM:

Handover:

Date Time: 23.01.2014 15:10 From Shift: B Sign/ID: MAKAROV OLEG To Shift: C Sign/ID: MUHA SERGEI

Refresh Select Update

Save Handover Print

Maintained Fleet Status Editor

ID:	Seq:	AC_Reg:	Operator_IATA:	AC_Status:	Handover_Remarks:
10	1	DU-MMY	CIM	AOG	

Delays and Cancellation by Technical Reasons Editor

ID:	Seq:	AC_Reg:	Operator_IATA:	Flight_No:	Delay:	Comments:
2	1	DU-MMY	BTI	ry7ewyyew		gdsdshdsdshds
3	2	ES-CRJ	BBD			nhhdsh
6	5	LYSTG	BTI	gnmjfdjdf		nhhdsh
7	6	DU-MMY	BBD	gdgs	02:45	ryeyurur

Refresh Select Update

Save Handover Print

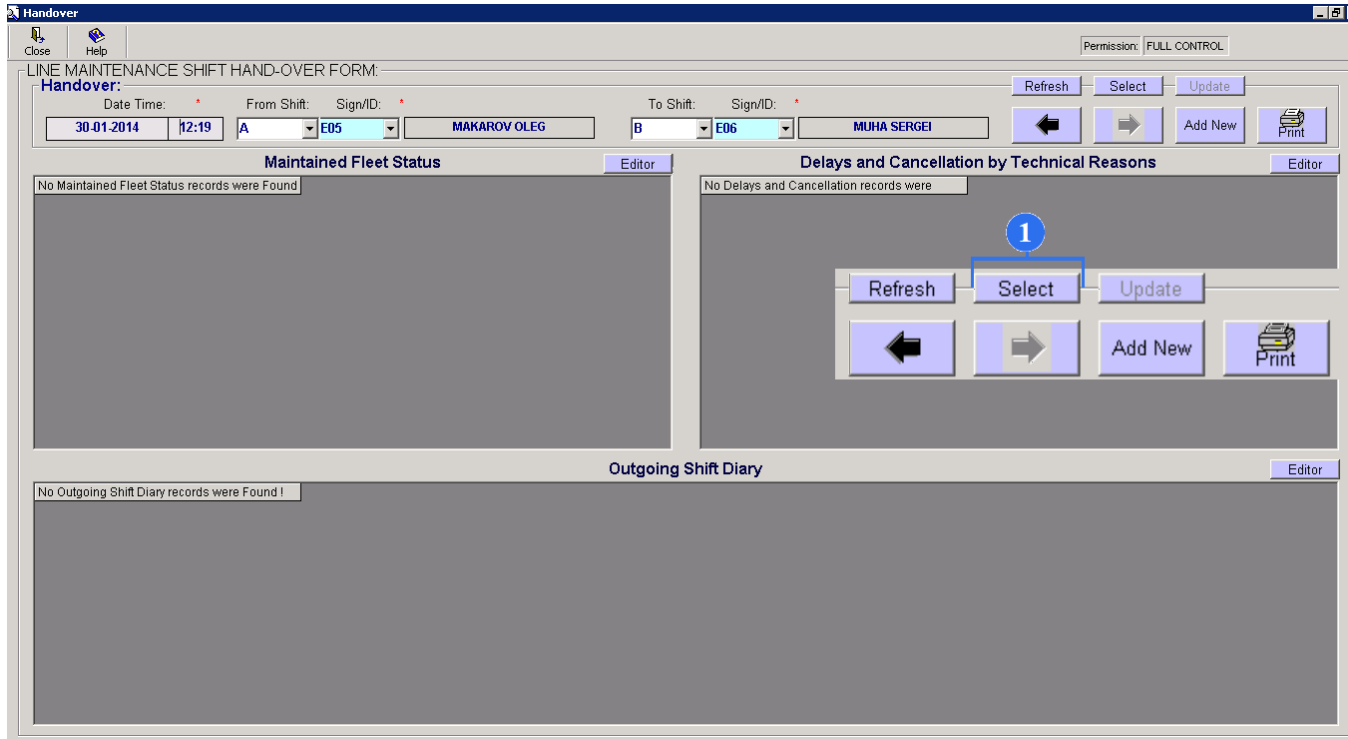
10

Outgoing Shift Diary Editor

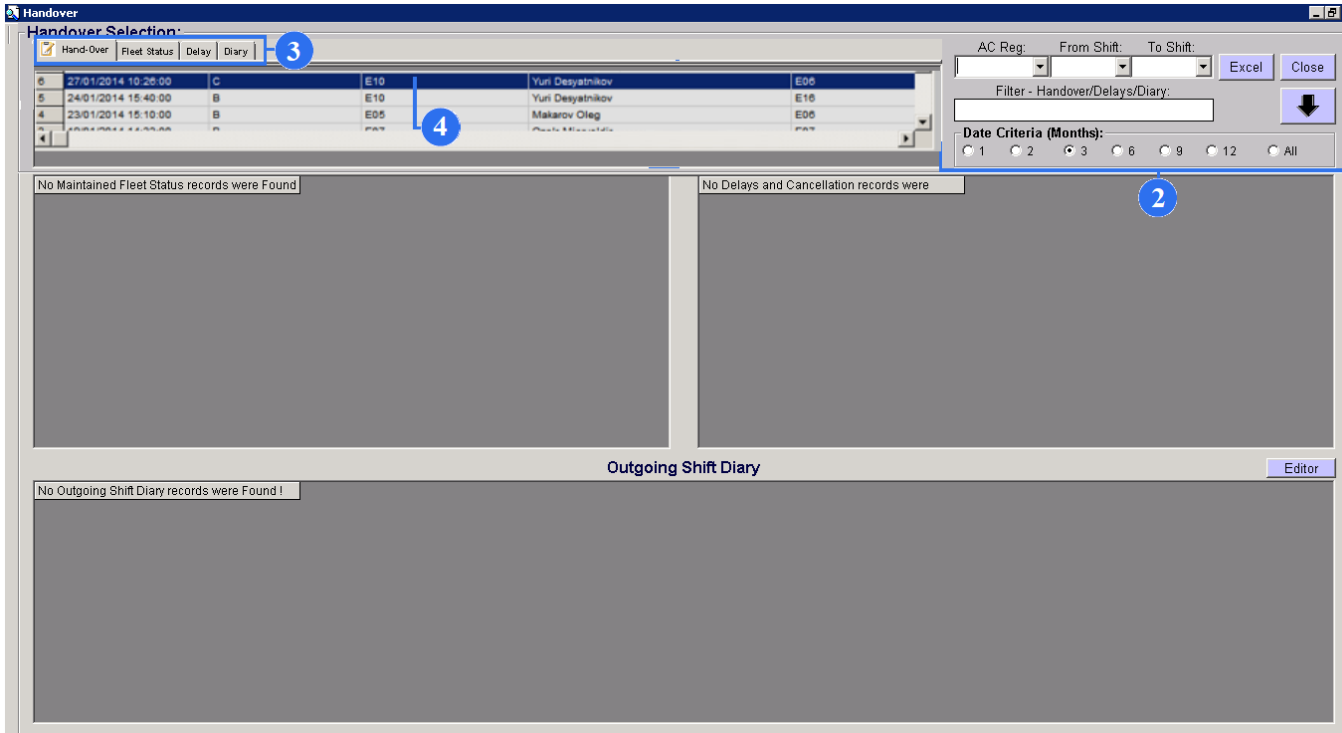
ID:	Seq:	AC_Reg:	Operator_IATA:	Complaint_Defect:	Actions:	ATL_Number:	WO_Number:	NRC_Number:	MEL_Number:
2	2	DU-AAA	BTI	stwtwtwt	ttwtwtwtwt			1104001	

10. To save newly added Handover push "Save Handover" button.

4. Quick Search.



1. To quick search push “Select” button then search frame will appear.



The screenshot shows the 'Handover Selection' window. At the top, there are tabs for 'Hand-Over', 'Fleet Status', 'Delay', and 'Diary'. A blue circle with the number '3' is positioned over the 'Diary' tab. Below the tabs is a table with columns for date, time, zone, equipment, and name. A blue circle with the number '4' is positioned over the first row of the table. To the right of the table is a search panel with fields for 'AC Reg.', 'From Shift', and 'To Shift', and buttons for 'Excel' and 'Close'. Below these fields is a 'Filter - Handover/Delays/Diary:' field with a search icon. A blue circle with the number '2' is positioned over the search icon. Below the search panel are radio buttons for 'Date Criteria (Months):' with options 1, 2, 3, 6, 9, 12, and All. Below the search panel are two large grey areas with messages: 'No Maintained Fleet Status records were Found' and 'No Delays and Cancellation records were Found'. At the bottom, there is an 'Outgoing Shift Diary' section with an 'Editor' button and a message: 'No Outgoing Shift Diary records were Found !'.

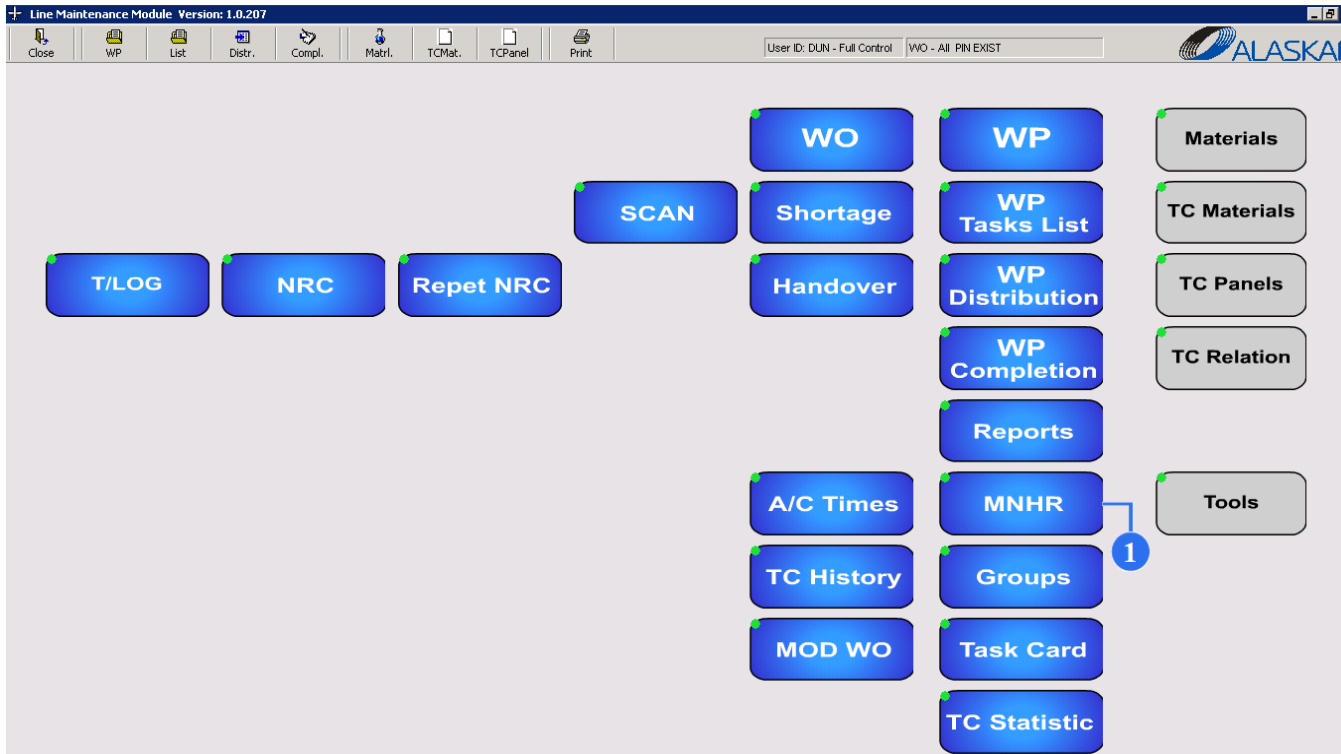
	AC Reg.	From Shift	To Shift		
6	27/01/2014 10:20:00	C	E10	Yuri Desyatnikov	ED6
5	24/01/2014 15:40:00	B	E10	Yuri Desyatnikov	E10
4	23/01/2014 15:10:00	B	ED5	Makarov Oleg	ED5

2. Selection criteria for the search are performed on the right side.
3. View search results records provided by zones tabs.
4. Select record to see all records for that Handover.

XVIII. MANHOURS

User Guidance

1. MNHRS.



1. The Man Hours sub-module generates reports on man hours statistics; calculate average man hours value and provides planning tool. Click on the MNHR button.

Select Work Order: ID, Close Status, EA WO Num, Cust WO Num, Rev, Date, AC Reg:

AC Reg.: WO:

:Under BMS 'Open' 'Close'

Line WO	WO Package	MNHR					
33076	False	201912-LM0001	123453		D-ABIR	B737-500	E3RTYUIOP";L
33075	False	201906-LM0001	RWQTQTQ		ADDD	NG900	DGREWTEW
33074	False	201807-LM0001	TEST		D-ABIR	B737-500	THIS IS A TES
1449	False	201709-LM0001	TEST		D-TESTOO	B737-500	TEST WO AC
1433	False	201302-LM0004	FTWQTWQT		D-ABIT	B737-500	TWTQGT
1432	False	201302-LM0003	FYRE		D-ABIU	735	RYT
1429	False	201301-LM0001	536523		D-ABIR	B737-500	326362
1423	False	201111-LM0001	NA		D-ABIR	B737-500	NEW TEST W
1420	False	201109-AM000	201109-AM0007	0 01/12/2011	ESLBD	B737-300	Perform NRC:
1419	False	201109-LM0006	TEST		D-ABIR	B737-500	TEST
1415	False	201109-LM0002	NA		LY-STG	B737-700	PELESOS G.
1414	False	201109-LM0001	NA		LY-STG	B737-700	TEST WO 1
1412	False	201108-LM0004	201108-LM0004		ESLBD	B737-300	FIRST AID KIT
1408	False	201108-LM0001	201108-LM0001		LYSTG	B737-700	PERFORM TC
1407	False	201106-AM0001	201106-AM0001		LYSTG	B737-700	INSP. REMAR

Cancel

2. Select a Work Package ('WO Package') or a Work Order ('Line WO'). Use these tabs to switch between them.

3. Use these filters to find different documents quickly.

4. Select necessary line and double click it.

Select Requirements
Selected WO Number: 201109-AM000 ; A/C Type : B737-300

Line WO	WO Package	MNHR
0	Calculate New Average Man-Hours Values:	
1	Print Man-Hours Statistics Report:	
3	Planning Tool:	
3B	Planning Tool - Task Cards only:	
6	WORK EXPERIENCE RECORD	
7	Man-Hours Statistic Report	

Back Cancel

5. After the WO/ WP selection, select an action to perform:

- double click the 'Calculate New Average Man Hours Value' field, and the system generates an Average Man Hours Value in accordance with all completed tasks. This value will be displayed in the 'Man Hours Statistic Report' only: 'TC Average MNHR' column.
- double click the 'Print Man Hours Statistic Report' field to print out the report.
- double click the 'Planning Tool' field and a tool in the Excel format will be opened.

Task Card:	Group:	Skill:	TC	Average MHRS:	NRC Average MHRS:	TC Price, EUR:	NRC MHRS <= LIMIT:	NRC Price, EUR:
34-062-01-L	LIC			0:00	0	0.00	0:00	0.00
7-201001-LM0038				0:00	0	0.00	0:00	0.00
DY_CHECK_AB_F50				0:00	0	0.00	0:00	0.00
DY_CHECK_FLTCH				0:00	0	0.00	0:00	0.00
FF_CHECK_FLTCH				0:00	0	0.00	0:00	0.00
PREFLIGHT	MECH			0:00	0	0.00	0:00	0.00
SB 57A-12-77B	LIC			0:00	0	0.00	0:00	0.00
Down-Time, Days:	0.00							
Production Aids/Month, EUR:	0.00	Production Aids/input, EUR:		0.00				
General Consumables/Month, EUR:	0.00	General Consumables/input, EUR:		0.00				
		GRAND TOTAL, EUR:		0.00				

6. Mechanics are divided on:

- licensed (LIC): 50 EUR per hour
 - not licensed (MECH): 25 EUR per hour.
- NDT - Non-destructive testing: 60 EUR per hour.

7. The system calculates average man hours cost in accordance with the calculated Average Man Hours Value for each task; and provides an average Total Cost ('Grand Total, EUR' field).

Select Requirements
Selected WO Number: 201101-LM0007 ; A/C Type : B737-300

Line	WO	Package	MNHR
0			Calculate New Average Man-Hours Values:
1			Print Man-Hours Statistics Report
3			Planning Tool:
3B			Planning Tool - Task Cards only:
6			WORK EXPERIENCE RECORD
7			Man-Hours Statistic Report

WORK EXPERIENCE RECORD SELECTION:

From Date: *

To Date: *

Excel

ID: *

8. Click the WORK EXPERIENCE RECORD line and editor will be opened.

9. Select From Date and To Date, choose ID and click on the Report button. To transfer this data to excel, push Excel button.

10. To get Task Cards Man-Hours Statistic Reports for predetermine period or total man-hours statistic report double click on the Man-Hours Statistic Report.

Select WO Filters to Print MNHR Report:

Line WO | WO Package | **MNHR**

LWO MNHR Report Filters:

A/C Reg:	AC Type:	WO:	WO Remarks:	STA:	Originator:
D-ABIR	A-320	*	*	*	*
From:	To:	Customer:		Close By:	Department:
14/02/2018	06/02/2020	AIR COMPANY ALROSA		*	

Reset Excel

Cancel

11. Select MNHR tab. It allows to get any work orders man hours reports for any time.

12. Enter all these filters to get accurate data.

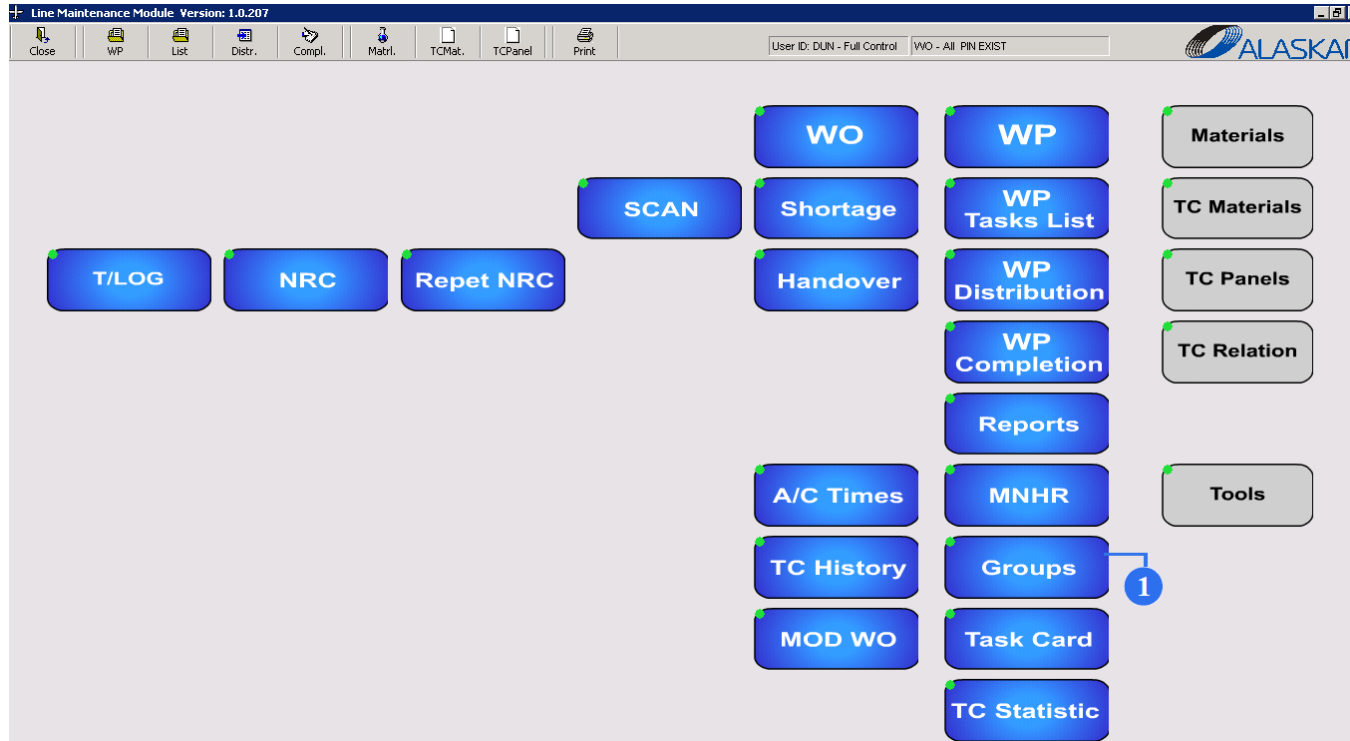
13. click on the Excel button to transfer report to excel.

14. To remove all entered data push Reset button.

XIX. GROUPS

User Guidance

1. Groups.



1. The Group sub-module generates printouts of task cards, which should be completed, for each engineering group. Click on the Groups button.

Select Work Order: ID, Close Status, EA WO Num, Cust WO Num, Rev, Date, AC Reg.

AC Reg.: **ESLBD** WO:

:Under BMS 'Open' 'Close'

Line WO	WO Package								
1420	False	201109-AM000	201109-AM0007	0	01/12/2011	ESLBD	B737-300	Perform NRC: 110900	
1412	False	201108-LM0004	201108-LM0004			ESLBD	B737-300	FIRST AID KIT IS OPE	
1404	False	201101-LM0007	201101-LM0007			ESLBD	B737-300	Perform NRC: 6173DIF	
1403	False	201101-LM0006	201101-LM0006			ESLBD	B737-300	APU DOES NOT WOR	

Cancel

2. Select a Work Package ('WO Package') or a Work Order ('Line WO'). Use these tabs to switch between them.

3. Use these filters to find different documents quickly.

4. Select necessary line and double click.

Select TC Group to Print:
Selected WO Number: 201108-LM0004 ; A/C Type : B737-300; Found: 10 Groups !

Line WO	WO Package
1A	FUNCTIONAL/OPERATIONAL CHECKS EL+HYD
2A3	AFT CARGO OPEN
3A	LH WING ACCESS PANELS OPEN
3B2	AFT WING AREA INSPECTION
4B2	AFT WING AREA INSPECTION
4E	RH WING ACCESS PANELS INSTALL/CLOSE
5A	LH ENGINE ACCESS PANELS REMOVE/OPEN
5G	LH ENGINE ACCESS PANELS INSTALL/CLOSE
6A	RH ENGINE ACCESS PANELS REMOVE/OPEN
6G	RH ENGINE ACCESS PANELS INSTALL/CLOSE
000	PRINT ALL GROUPS

Back Cancel

Страница: 1 из 1 Автоматически

2A3 AFT CARGO OPEN

5.1

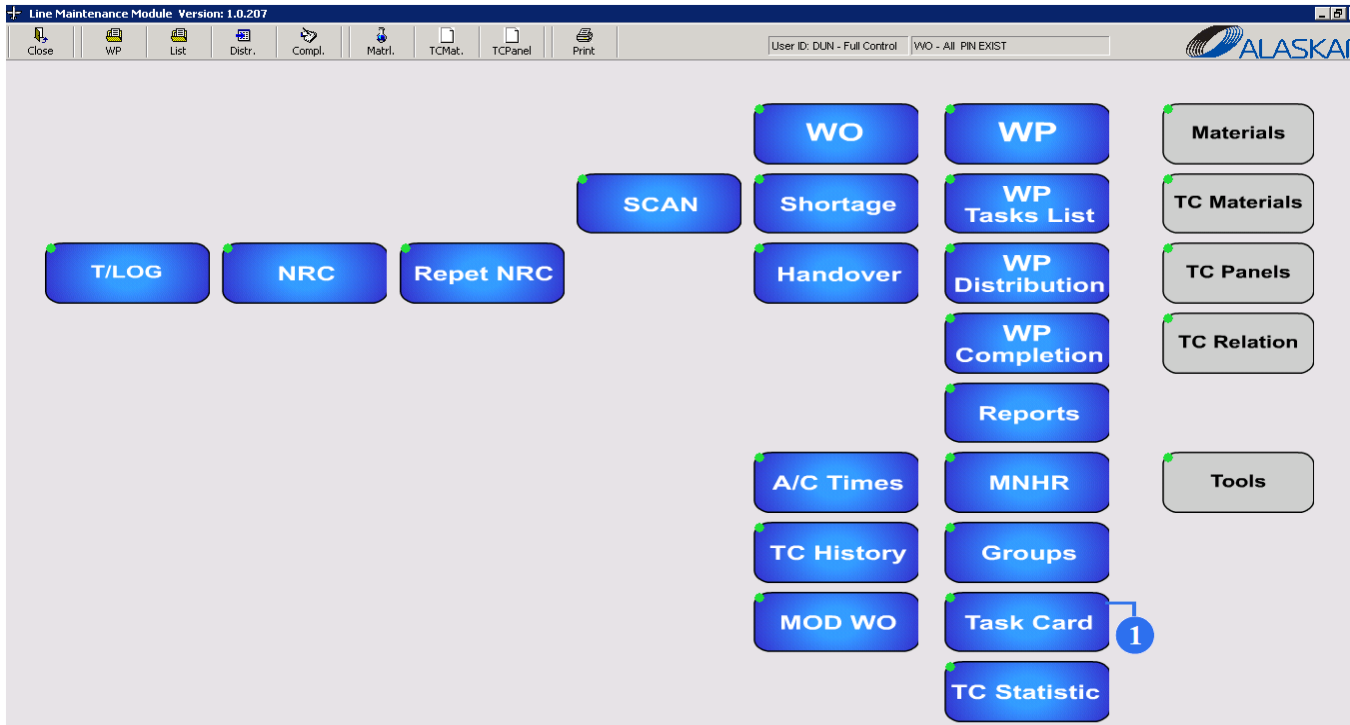
Jobcards	Description:
06-102-01	AFT CARGO COMPARTMENT - ACCESS PANELS AND DOORS - OPEN - INSPECT

5. After the WO/ WP selection, double click a group for which task cards will be printed out (pic. 5.1 Group Printout).

XX. TASK CARD

User Guidance

1.Task Card.



1. The Task Card sub-module is created for registering the procedure of specific tasks, which were created not by manufacturer (ex. Boeing), but your own company. Click on the Task Card button.

Select Work Order: ID, Close Status, EA WO Num, Cust WO Num, Rev, Date, AC Reg:

AC Reg.: **ESLBD** WO:

:Under BMS 'Open' 'Close'

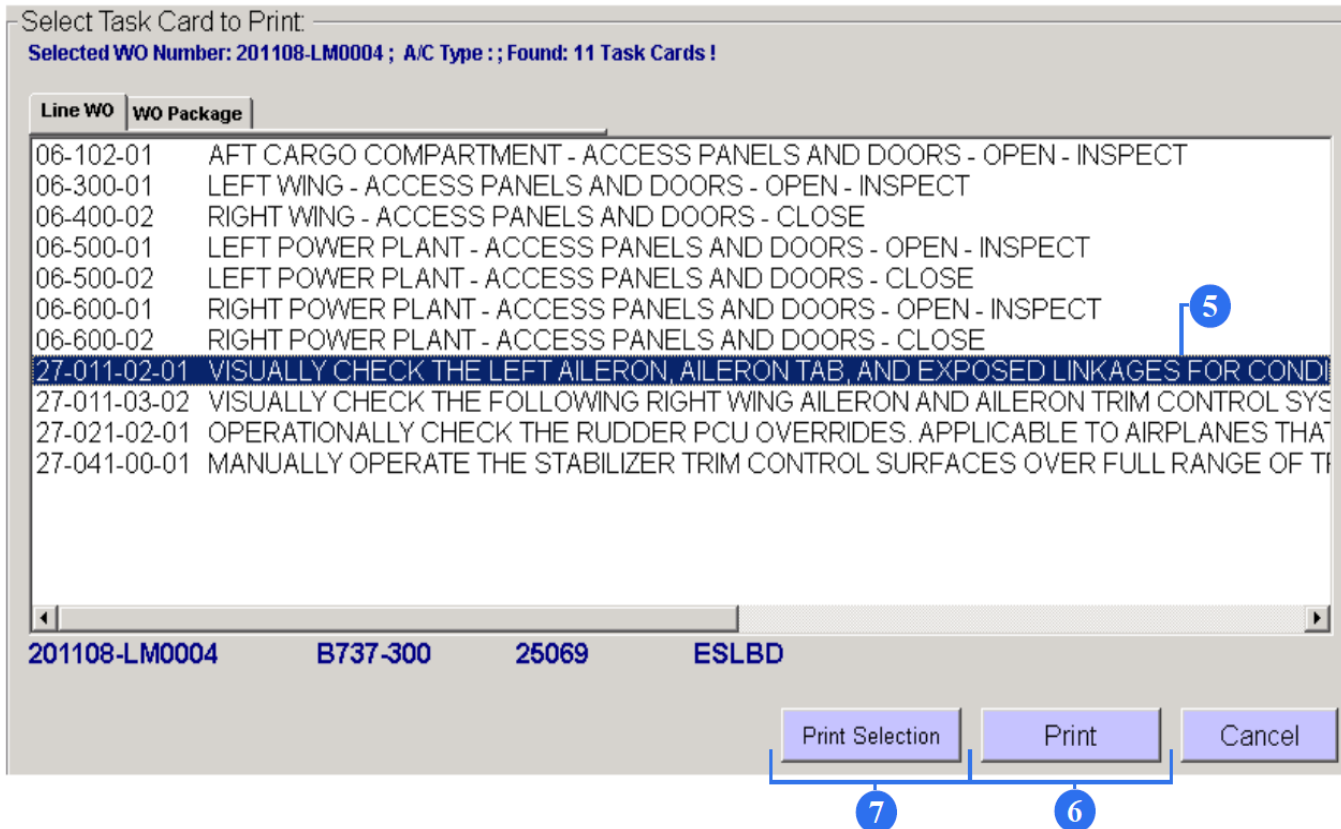
Line WO	WO Package							
1420	False	201109-AM000	201109-AM0007	0	01/12/2011	ESLBD	B737-300	Perform NRC: 1109001
1412	False	201108-LM0004	201108-LM0004			ESLBD	B737-300	FIRST AID KIT IS OPEI
1404	False	201101-LM0007	201101-LM0007			ESLBD	B737-300	Perform NRC: 6173DIF
1403	False	201101-LM0006	201101-LM0006			ESLBD	B737-300	APU DOES NOT WOR

Cancel

2. Select a Work Package ('WO Package') or a Work Order ('Line WO'). Use these tabs to switch between them.

3. Use these filters to find different documents quickly.

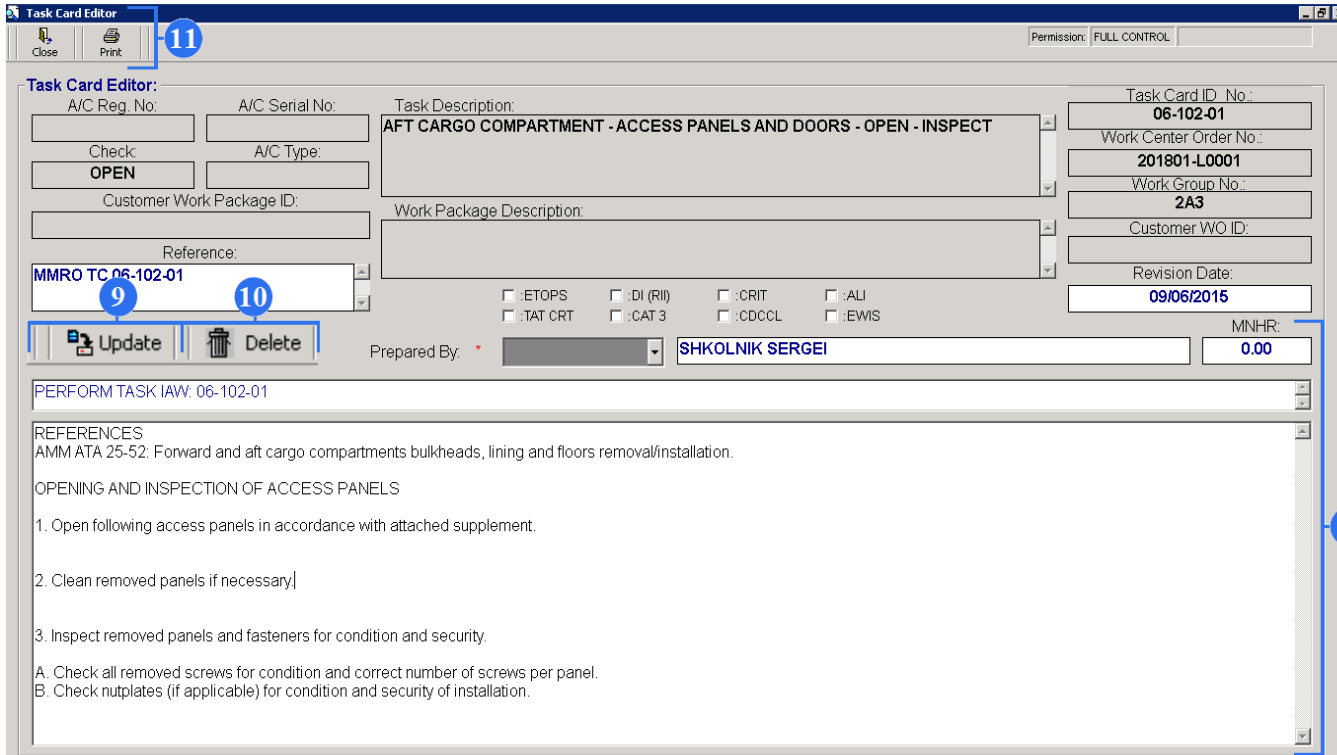
4. Select necessary line and double click.



5. After the WO/ WP selection, double click a necessary task card for which a procedure should be created.

6. To print out the procedure of a particular task card, highlight it in the list of tasks and click on.

7. To print out several tasks at once, highlight them by pressing and holding the left mouse button, then click on Print Selection.



Task Card Editor

Close Print

Permission: FULL CONTROL

Task Card Editor:

A/C Reg. No: A/C Serial No: Task Description: AFT CARGO COMPARTMENT - ACCESS PANELS AND DOORS - OPEN - INSPECT Task Card ID No.: 06-102-01

Check: A/C Type: Work Center Order No.: 201801-L0001

OPEN

Customer Work Package ID: Work Package Description: Work Group No.: 2A3

Customer WO ID:

Reference: MMRO TC 06-102-01 Revision Date: 09/06/2015

:ETOPS :DI (RII) :CRIT :ALI
 :TAT CRT :CAT 3 :CDCCL :EWS

Update Delete

Prepared By: SHKOLNIK SERGEI MNHR: 0.00

PERFORM TASK IAW: 06-102-01

REFERENCES
AMM ATA 25-52: Forward and aft cargo compartments bulkheads, lining and floors removal/installation.

OPENING AND INSPECTION OF ACCESS PANELS

1. Open following access panels in accordance with attached supplement.
2. Clean removed panels if necessary|
3. Inspect removed panels and fasteners for condition and security.

A. Check all removed screws for condition and correct number of screws per panel.
B. Check nutplates (if applicable) for condition and security of installation.

8. When you double click a task, the Task Card Editor opens. Write down the whole procedure and enter a person, who prepares it ('Prepared By' field) and Man Hours ('MNHR' field). Or it is possible to make reference to another instruction in the 'Reference' field.

9. To save the entered data, click on the Update button.

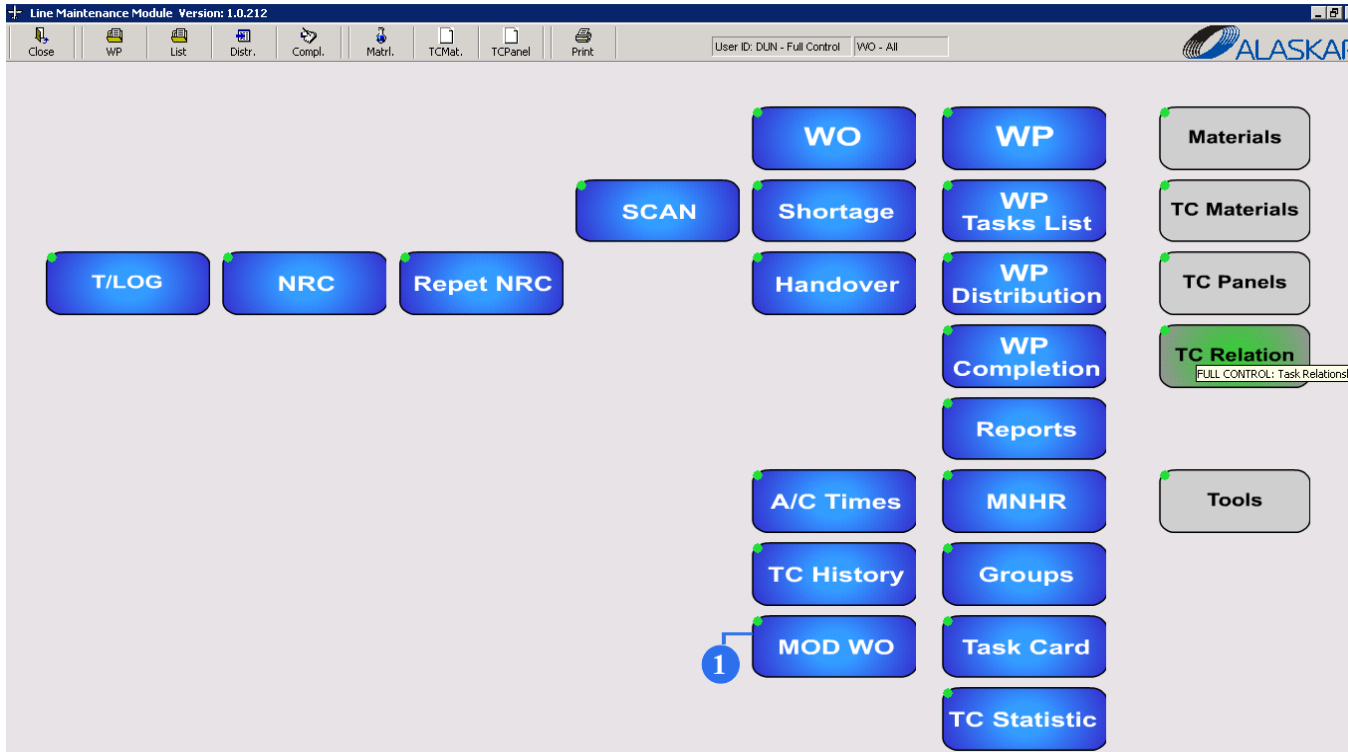
10. To remove the procedure, use respectively Delete button.

11. Push "Print" button to print out the WO/WP.

XXI. MODIFICATION WORK ORDER

User Guidance

1.MOD Work Order.



1. The Mod WO sub-module is created for registering the procedure of specific modifications, which were created not by manufacturer (ex. Boeing), but your own company. Click on the MOD WO button

Select Work Order: ID, Close Status, EA WO Num, Cust WO Num, Rev, Date, AC Reg:

'Open' 'Close'

WO Package	Line WO							
33079	False	202001-L0003						
33078	False	202001-L0002						
33077	False	202001-L0001						
1456	False	201801-L0001						
1445	False	201512-L0002	test		31/12/2015	TST	CRJ700	
1439	False	201512-A0001						
1428	False	201212-L0001	A320	0	04/12/2012	YL-BBS	A320-100	
1426	False	201205-L0002	NEW	0	30/05/2012	ES-ABH	B737-500	
1425	False	201205-L0001	201205-L0001	0	30/05/2012	ES-ABH	B737-500	
1422	False	201110-A0002	201110-A0002	0	30/10/2011	LY-STG	B737-700	
1421	False	201110-L0001						
1418	False	201109-L0005	TEST NG	0	12/09/2011	LY-STG	B737-700	
1417	False	201109-L0004	TEST	0	06/09/2011	ES-ABH	B737-500	
1411	False	201108-A0003	201108-A0003	0	24/08/2011	ES-PVI	LJ-60	
1410	False	201108-A0002	201108-A0002	0	24/08/2011	ES-PVI	LJ-60	
1379	False	201010-L0003	TEST	0	01/10/2010	ESASM	S340	

Cancel

2. Select a Work Package ('WO Package') or a Work Order ('Line WO'). Use these tabs to switch between them.

3. Use these filters to find different documents quickly.

4. Select necessary line and double click.

Select Work Order: ID, Close Status, EA WO Num, Cust WO Num, Rev, Date, AC Reg:

Found 32 Line Work Orders:

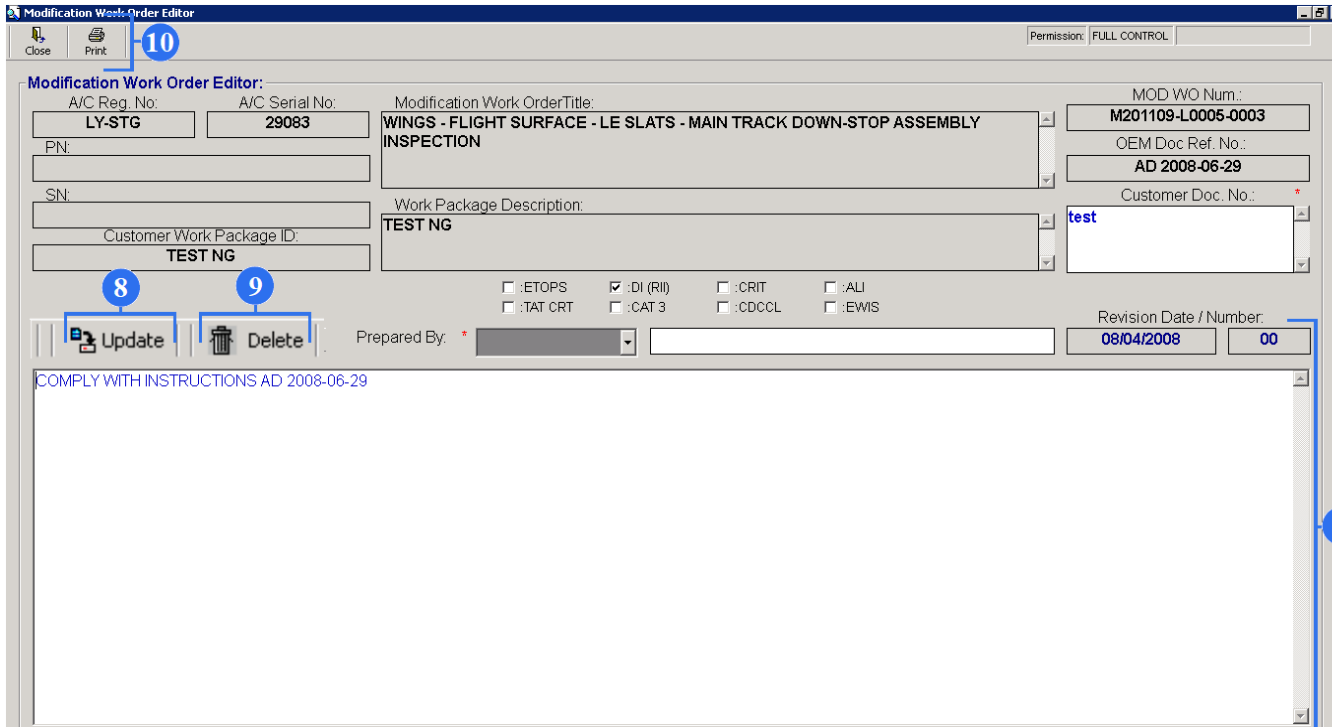
WO Package	Line WO							
33076	False	201912-LM0001	123453			D-ABIR	B737-500	E3RTYUIOP";
33075	False	201906-LM0001	RWQTQTQ			ADDD	NG900	DGREWTEW
33074	False	201807-LM0001	TEST			D-ABIR	B737-500	THIS IS A TES
1449	False	201709-LM0001	TEST			D-TESTOO	B737-500	TEST WO AC
1433	False	201302-LM0004	FTWQTWQT			D-ABIT	B737-500	TWTQGT
1432	False	201302-LM0003	FYRE			D-ABIU	735	RYT
1429	False	201301-LM0001	536523			D-ABIR	B737-500	326362
1423	False	201111-LM0001	NA			D-ABIR	B737-500	NEW TEST W
1420	False	201109-AM000	201109-AM0007	0	01/12/2011	ESLBD	B737-300	Perform NRC:
1419	False	201109-LM0006	TEST			D-ABIR	B737-500	TEST
1415	False	201109-LM0002	NA			LY-STG	B737-700	PELESOS G.
1414	False	201109-LM0001	NA			LY-STG	B737-700	TEST WO 1
1412	False	201108-LM0004	201108-LM0004			ESLBD	B737-300	FIRST AID KIT
1408	False	201108-LM0001	201108-LM0001			LYSTG	B737-700	PERFORM TC
1407	False	201106-AM0001	201106-AM0001			LYSTG	B737-700	INSP. REMAR

201110-A0002 B737-700 29083 LY-STG

Print Cancel

5. After the WO/ WP selection, double click a necessary modification for which a procedure should be created.

6. To print out the procedure of a particular modification, highlight it in the list of modifications and click on the Print button.



7. When you double click a modification, the Modification Editor opens. Write down the whole procedure (you may just make reference to another instruction) and enter a person, who prepares it ('Prepared By' field).

8. To save entered data, click on the Update.

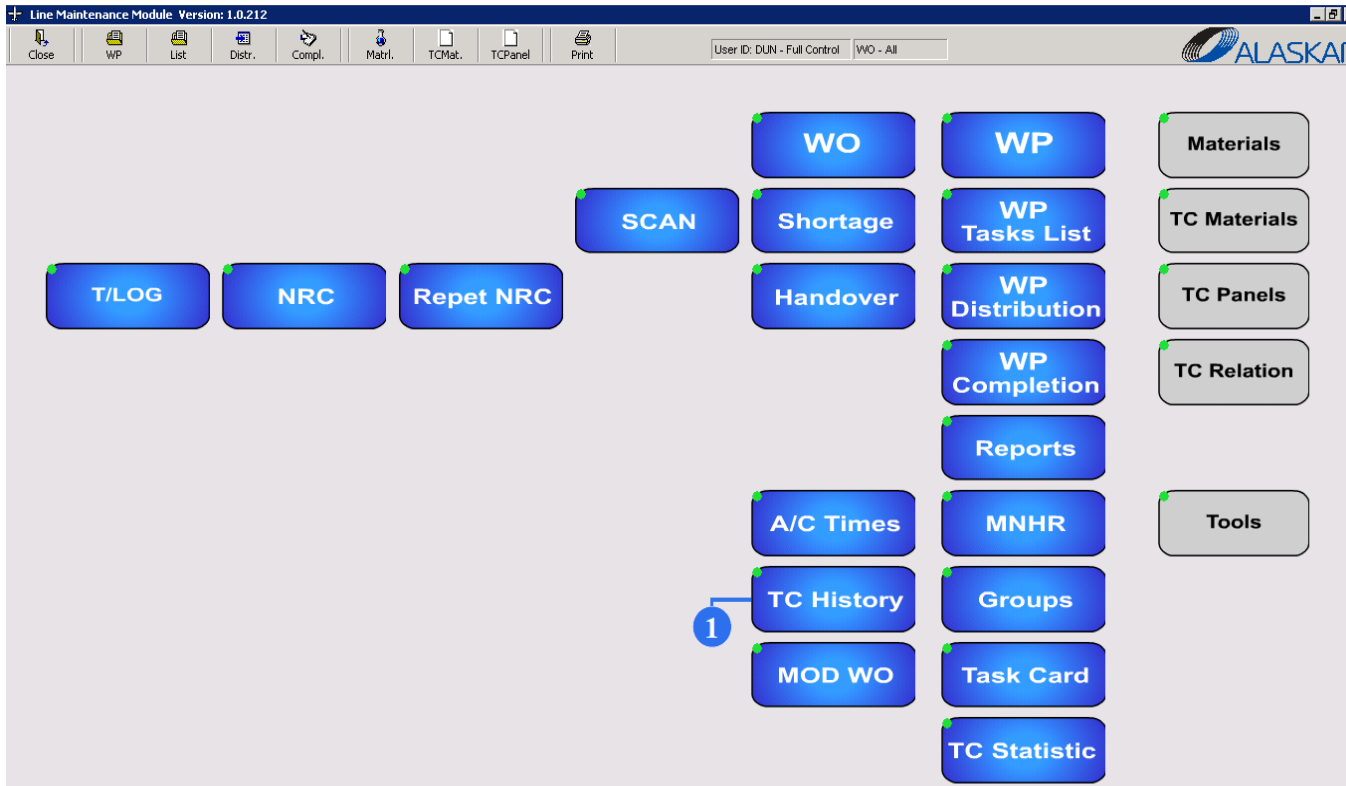
9. To remove the procedure, use Delete.

10. Push "Print" button to print out the MOD WO.

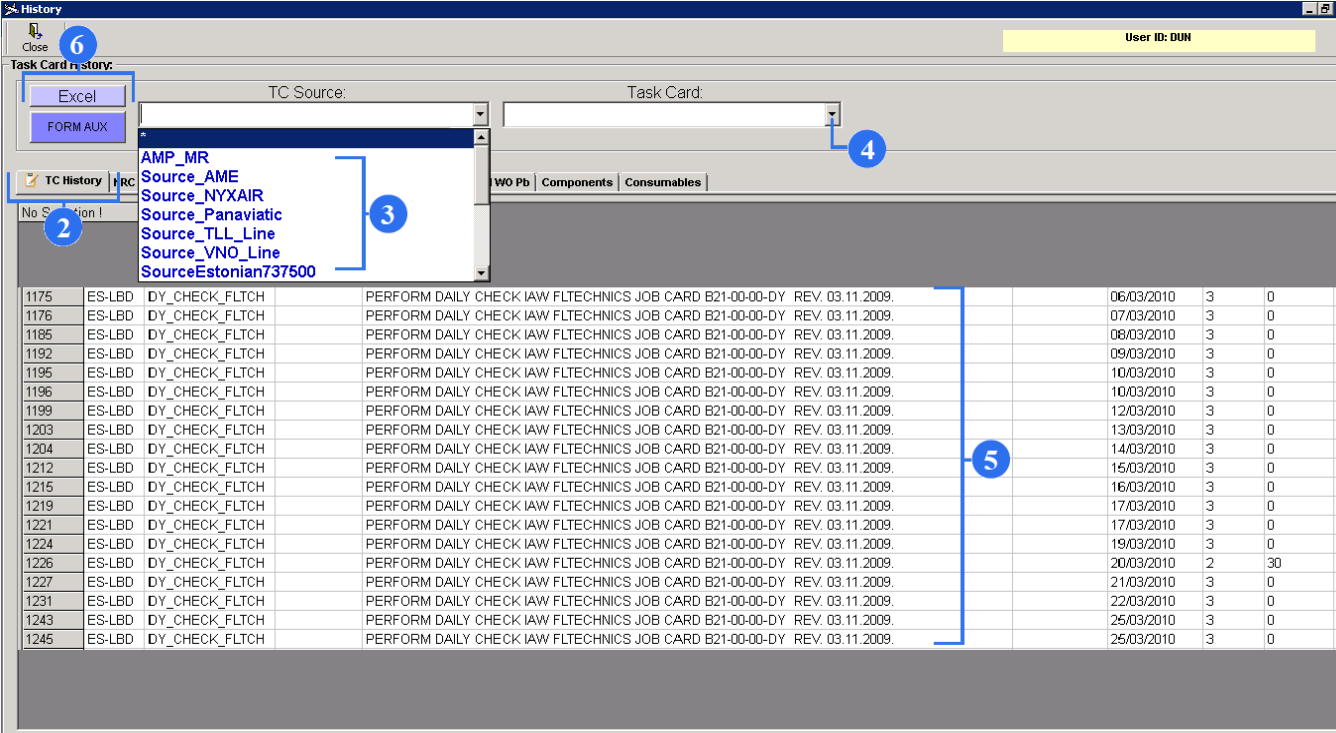
XXII. TASK CARD HISTORY

User Guidance

1.TC History



1. TC History submodule is necessary to see history of task cards, NRCs, also materials and consumables used in NRC and TC. Click on the TC History button.



The screenshot shows a software window titled "History" with a "User ID: DUM" label. The main area is "Task Card History" and contains a list of task cards. A list of sources is visible in a dropdown menu, and a table of task card history is shown below. Numbered callouts (1-6) indicate specific UI elements: 1 points to the "Excel" button, 2 to the "TC History" tab, 3 to the source list, 4 to the "Task Card:" dropdown, 5 to a row in the history table, and 6 to the "Close" button.

ID	ES-LBD	DY_CHECK_FLTCH	PERFORM DAILY CHECK IAW FLTECHNICS JOB CARD B21-00-00-DY	REV. 03.11.2009.				
1175	ES-LBD	DY_CHECK_FLTCH	PERFORM DAILY CHECK IAW FLTECHNICS JOB CARD B21-00-00-DY	REV. 03.11.2009.			06/03/2010	3 0
1176	ES-LBD	DY_CHECK_FLTCH	PERFORM DAILY CHECK IAW FLTECHNICS JOB CARD B21-00-00-DY	REV. 03.11.2009.			07/03/2010	3 0
1185	ES-LBD	DY_CHECK_FLTCH	PERFORM DAILY CHECK IAW FLTECHNICS JOB CARD B21-00-00-DY	REV. 03.11.2009.			08/03/2010	3 0
1192	ES-LBD	DY_CHECK_FLTCH	PERFORM DAILY CHECK IAW FLTECHNICS JOB CARD B21-00-00-DY	REV. 03.11.2009.			09/03/2010	3 0
1195	ES-LBD	DY_CHECK_FLTCH	PERFORM DAILY CHECK IAW FLTECHNICS JOB CARD B21-00-00-DY	REV. 03.11.2009.			10/03/2010	3 0
1196	ES-LBD	DY_CHECK_FLTCH	PERFORM DAILY CHECK IAW FLTECHNICS JOB CARD B21-00-00-DY	REV. 03.11.2009.			10/03/2010	3 0
1199	ES-LBD	DY_CHECK_FLTCH	PERFORM DAILY CHECK IAW FLTECHNICS JOB CARD B21-00-00-DY	REV. 03.11.2009.			12/03/2010	3 0
1203	ES-LBD	DY_CHECK_FLTCH	PERFORM DAILY CHECK IAW FLTECHNICS JOB CARD B21-00-00-DY	REV. 03.11.2009.			13/03/2010	3 0
1204	ES-LBD	DY_CHECK_FLTCH	PERFORM DAILY CHECK IAW FLTECHNICS JOB CARD B21-00-00-DY	REV. 03.11.2009.			14/03/2010	3 0
1212	ES-LBD	DY_CHECK_FLTCH	PERFORM DAILY CHECK IAW FLTECHNICS JOB CARD B21-00-00-DY	REV. 03.11.2009.			15/03/2010	3 0
1215	ES-LBD	DY_CHECK_FLTCH	PERFORM DAILY CHECK IAW FLTECHNICS JOB CARD B21-00-00-DY	REV. 03.11.2009.			16/03/2010	3 0
1219	ES-LBD	DY_CHECK_FLTCH	PERFORM DAILY CHECK IAW FLTECHNICS JOB CARD B21-00-00-DY	REV. 03.11.2009.			17/03/2010	3 0
1221	ES-LBD	DY_CHECK_FLTCH	PERFORM DAILY CHECK IAW FLTECHNICS JOB CARD B21-00-00-DY	REV. 03.11.2009.			17/03/2010	3 0
1224	ES-LBD	DY_CHECK_FLTCH	PERFORM DAILY CHECK IAW FLTECHNICS JOB CARD B21-00-00-DY	REV. 03.11.2009.			19/03/2010	3 0
1226	ES-LBD	DY_CHECK_FLTCH	PERFORM DAILY CHECK IAW FLTECHNICS JOB CARD B21-00-00-DY	REV. 03.11.2009.			20/03/2010	2 30
1227	ES-LBD	DY_CHECK_FLTCH	PERFORM DAILY CHECK IAW FLTECHNICS JOB CARD B21-00-00-DY	REV. 03.11.2009.			21/03/2010	3 0
1231	ES-LBD	DY_CHECK_FLTCH	PERFORM DAILY CHECK IAW FLTECHNICS JOB CARD B21-00-00-DY	REV. 03.11.2009.			22/03/2010	3 0
1243	ES-LBD	DY_CHECK_FLTCH	PERFORM DAILY CHECK IAW FLTECHNICS JOB CARD B21-00-00-DY	REV. 03.11.2009.			25/03/2010	3 0
1245	ES-LBD	DY_CHECK_FLTCH	PERFORM DAILY CHECK IAW FLTECHNICS JOB CARD B21-00-00-DY	REV. 03.11.2009.			25/03/2010	3 0

2. TC History is the first tab.

3. Use the filter such as TC Source. Use corresponding source.

4. Select Task Card.

5. You can see history of these task cards. Highlight any line or all lines.

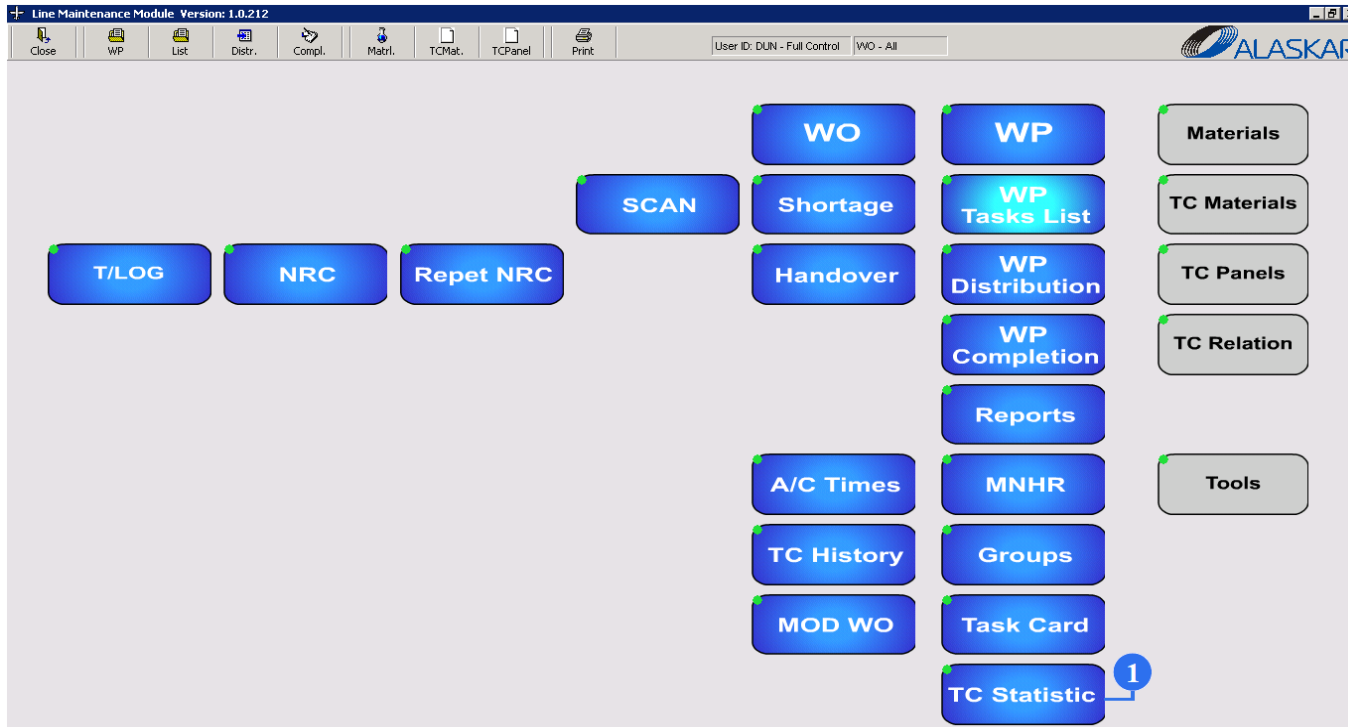
6. Click on the Excel button to transfer these highlight lines to excel.

Also, you can monitor history in other tabs in the same way.

XXIII. TASK CARD STATISTIC

User Guidance

1.TC Statistic



1. TC Statistic sub-module is necessary to monitor data of task cards, modifications, components, tools and materials. Click on the TC Statistic.

Task Card Statistic:

Close User ID: DUN

Task Cards Modifications Components Tool/Material

A/C Type: Task:

735
737-300
A300
A-310
A-320
A320-100
B 737-700
B735

Print
Excel

No Selection!

1	1	1:0	PERFORM DAILY CHECK IAW AIRBALTIC DAILY CHECK LIST REV.13
1-201004-LM0071	1	0:30	REMOVE DUST BARRIER TAPE FROM STATIC PORTS (4 LOCATION). MAKE SURE THAT STATIC PORTS LEFT UN-OBSTRUCTED.
2-201004-LM0071	1	0:30	PERFORM DUPLICATE (R.I.I.) INSPECTION OF AIRCRAFT STATIC PORTS (4 LOCATION) AFTER DUST BARRIER TAPE REMOVAL
21-150-00-01	1	2:30	CABIN TEMPERATURE SENSOR FILTERS AND SENSORS - CLEANING
24-010-01-01	2	0:52	LEFT ENGINE IDG OIL REPLACEMENT
24-010-02-01	2	0:52	RIGHT ENGINE IDG OIL REPLACEMENT
24-020-01-01	7	0:17	LEFT IDG DELTA P INDICATORS (DPI)
24-020-02-01	7	0:15	RIGHT IDG DELTA P INDICATORS (DPI)
24-030-01-01	7	0:14	LEFT IDG OIL LEVEL
24-030-02-01	7	0:18	RIGHT IDG OIL LEVEL
24-040-01-01	2	1:45	LEFT IDG OIL CHARGE AND SCAVENGE FILTERS
24-040-02-01	2	1:15	RIGHT IDG OIL CHARGE AND SCAVENGE FILTERS
24-050-01-01	2	0:30	LEFT ENGINE - QAD ADAPTER TORQUE CHECK
24-050-02-01	2	0:30	RIGHT ENGINE - QAD ADAPTER TORQUE CHECK
24-120-00-01	1	1:30	RESTORE THE MAIN AND AUXILIARY BATTERIES
25-020-00-01	8	0:32	CREW SEAT HARNESS, STRAPS, AND BELTS - INSPECTION
25-120-00-01	5	0:28	LAV WASTE COMPARTMENT FLAPPER DOOR SPRING CHECK (AD74-08-09)
25-130-00-01	5	0:28	LAV WASTE COMPARTMENT FLAPPER DOOR & ACCESS DOOR LATCH - DVI
25-140-00-01	8	0:28	FORWARD CARGO - INSPECT STA 396 BULKHEAD PANELS
25-160-00-01	8	0:34	FWD CARGO COMPARTMENT PANELS/LINERS - GVI
25-160-00-02	8	0:38	AFT CARGO COMPARTMENT PANELS/LINERS - GVI
25-250-00-01	8	0:73	EMERGENCY ESCAPE SLIDE PRESSURE BOTTLES - VISUAL CHECK FOR CORRECT PRESSURE

2. Task Cards is the first tab.

3. Use the filter such as A/C/ Type. Select aircraft.

4. You can see the task cards statistics of this aircraft. Highlight any line or highlight all lines.

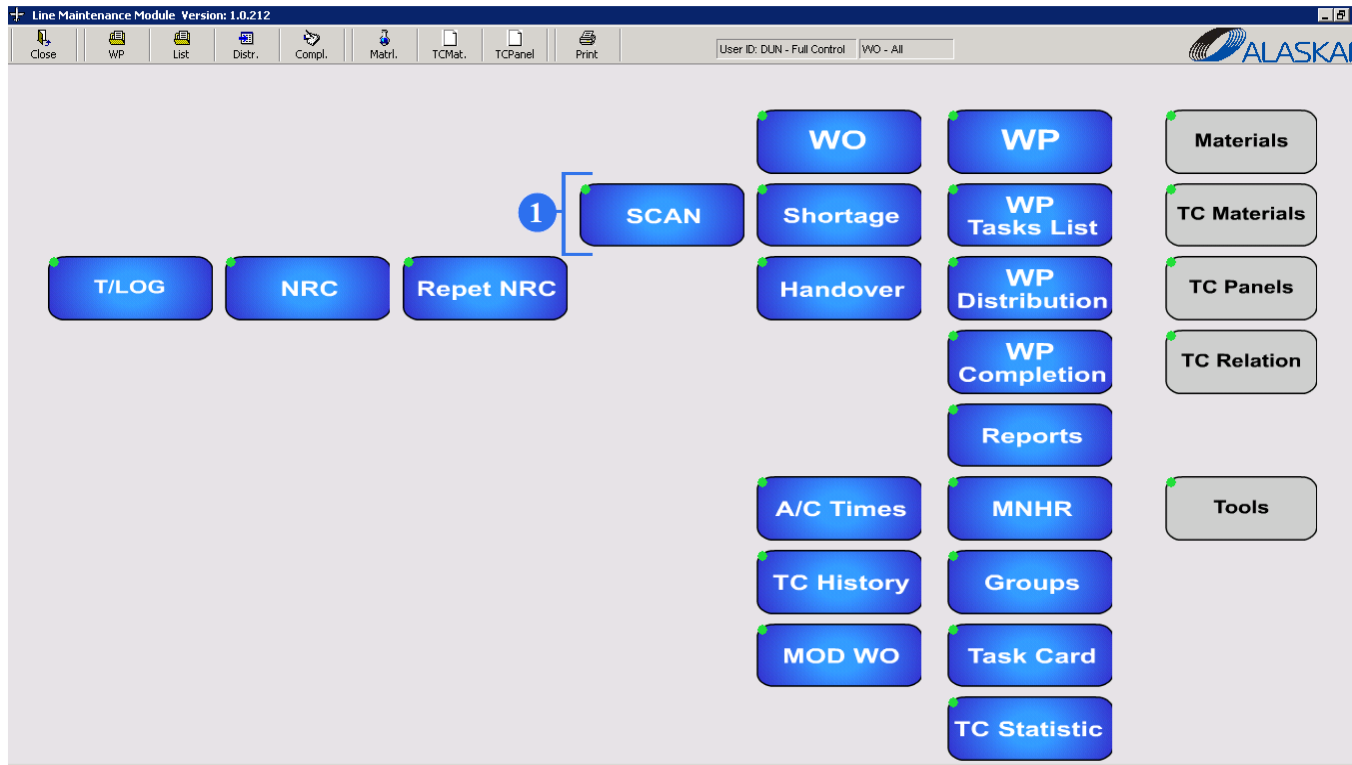
5. Click on the Print button to print out the data. Push on the Excel button to transfer data to excel.

Also, you can monitor statistic in other tabs in the same way.

XXIV. SCAN

User Guidance

1.SCAN.



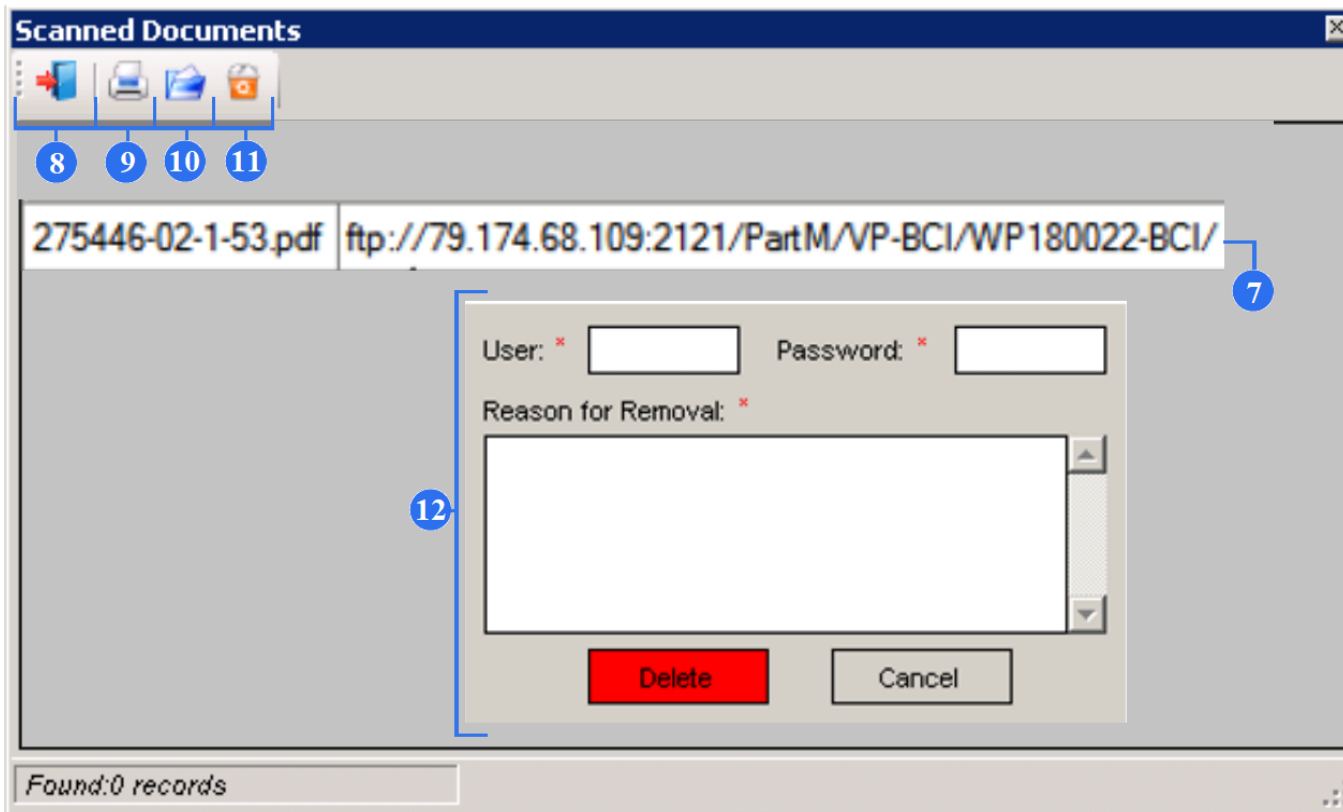
1. SCAN sub-module is necessary to collect scanned documents. Click on the SCAN button.

The screenshot shows the 'WO WP Scanner v.3.3.5' application window. At the top, there's a title bar and a menu bar. Below that is a 'Scanning Options' section with a 'Scanner' dropdown (callout 2), checkboxes for 'Device Interface' and 'ADF', and fields for 'Resolution' and 'Color'. A 'Scan' button is present. To the right is an 'Attach Files' section with a 'Browse' button and an 'Attach' button. Below this is a 'Preview Pictures' section. The main area is divided into two tables. The top table is a list of work orders with columns: ID, EAVWONum, CustWONum, ACReg, ACType, ACSerNum, and BasicWork. The bottom table is a 'Task Cards' section for the selected work order (EAVWONUM: 201512-L0002), with columns: ID, WVO_ID, TaskCard, Base_TaskCard, Interval, and Description. Callout 3 points to the 'WP' column in the top table. Callout 4 points to the 'Task Cards' table. Callout 5 points to the filter fields on the right. Callout 6 points to the 'Task Cards' table header. Callout 7 points to a specific task card row.

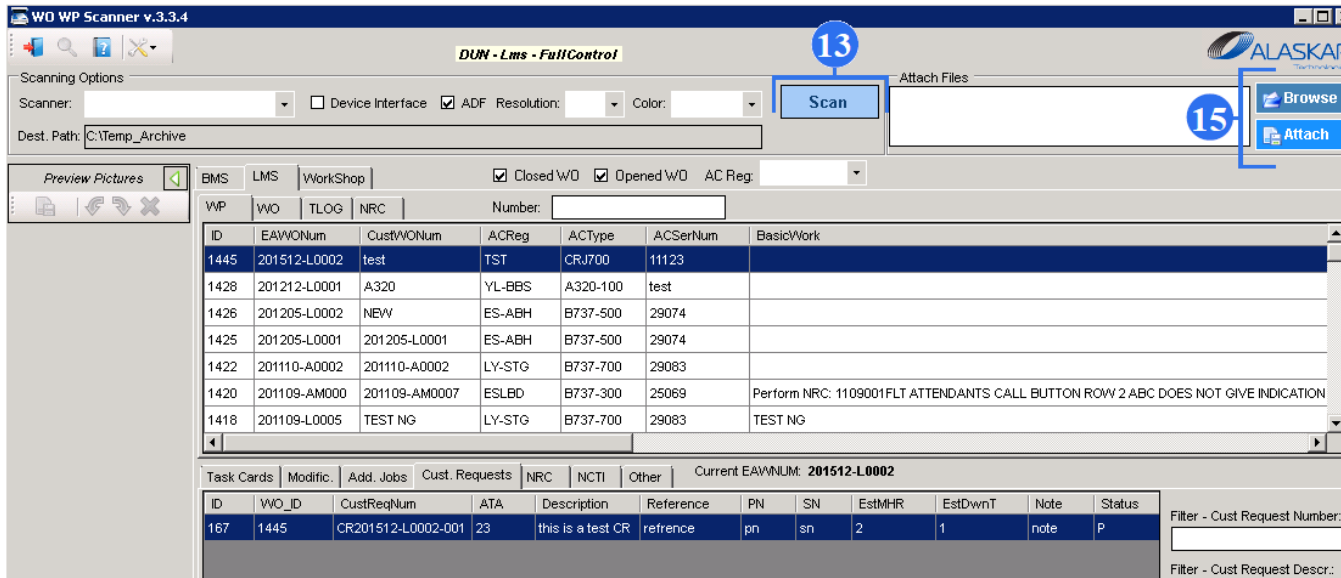
ID	EAVWONum	CustWONum	ACReg	ACType	ACSerNum	BasicWork
1445	201512-L0002	test	TST	CRJ700	11123	
1428	201212-L0001	A320	YL-BBS	A320-100	test	
1426	201205-L0002	NEW	ES-ABH	B737-500	29074	
1425	201205-L0001	201205-L0001	ES-ABH	B737-500	29074	
1422	201110-A0002	201110-A0002	LY-STG	B737-700	29083	
1420	201109-AM000	201109-AM0007	ESLBD	B737-300	25069	Perform NRC: 1109001FLT ATTENDANTS CALL BUTTON ROW 2 ABC DOES NOT GIVE INDICATION
1418	201109-L0005	TEST NG	LY-STG	B737-700	29083	TEST NG

ID	WVO_ID	TaskCard	Base_TaskCard	Interval	Description
14789	1445	05-00-00-BMA1	05-00-00-BMA1	12B	CARRY OUT AN ARRIVAL AND PRE-DEPARTURE CHECK PRIOR TO DISPATCH
14790	1445	05-00-00-BMA3	05-00-00-BMA3	0F	DAMAGE CONTROL UPDATE
14791	1445	06-100-01	06-100-01	2A1	BODY SECTION - ACCESS PANELS AND DOORS - OPEN - INSPECT
14792	1445	06-100-02	06-100-02	2M1	BODY SECTION - ACCESS PANELS AND DOORS - CLOSE
14793	1445	06-101-01	06-101-01	2A2	FORWARD CARGO COMPARTMENT - ACCESS PANELS AND DOORS - OPEN - INSP
14794	1445	06-101-02	06-101-02	2M2	FORWARD CARGO COMPARTMENT - ACCESS PANELS AND DOORS - CLOSE
14795	1445	29-015-35-01	B29-15-34-2B	2D2	REPLACE THE HYDRAULIC STANDBY ELECTRIC MOTOR DRIVEN PUMP (EMDP) CA:

2. Select available scanner from the list.
3. Select WP/WO/TLOG/NRC.
4. WOs will appear.
5. Use filters to find WO you need. Input text then press <Enter>.
6. Number of scanned documents for Selected WO
7. Double – click on WO to view records list.



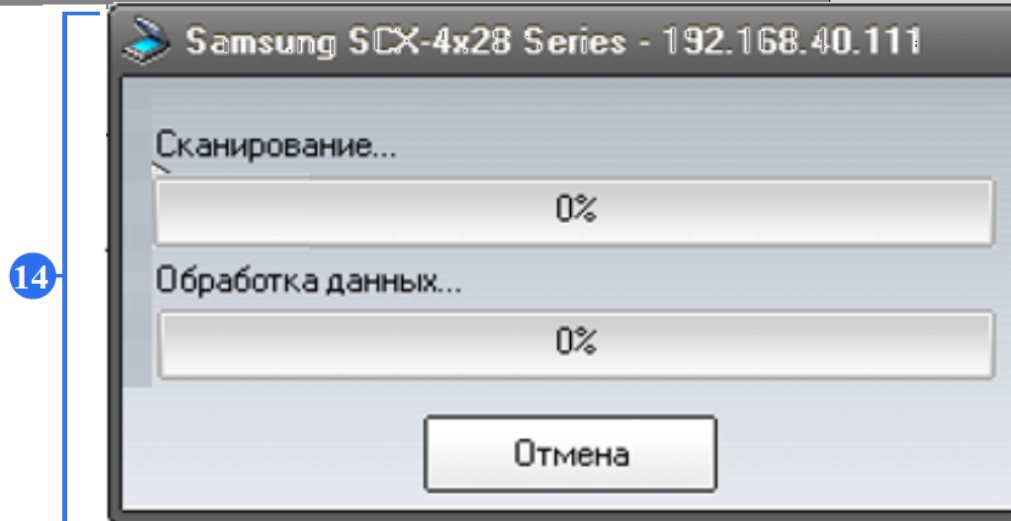
7. List of available records for selected WO.
8. Push this button to close the window.
9. Print button. Print selected document. If you have problems during printing, open document and print it through third-party application.
10. Open document button. Use it or double - click on record
11. Delete document button. Press it to delete document from file server. Confirmation dialog will appear
12. Confirmation dialog. Fill all required fields to delete document. Reason must be at least 5 characters.



13. Insert document into scanner then Press button “Scan” to scan document to Selected WO. Scanning dialog will appear.

14. Scanning dialog shows scanning process. “Use device interface” option on main view switches between standard interface and device interface (depends on device manufacture and installed drivers).

15. Use “Browse” or “Attach” buttons to attach already scanned documents to Selected WO.



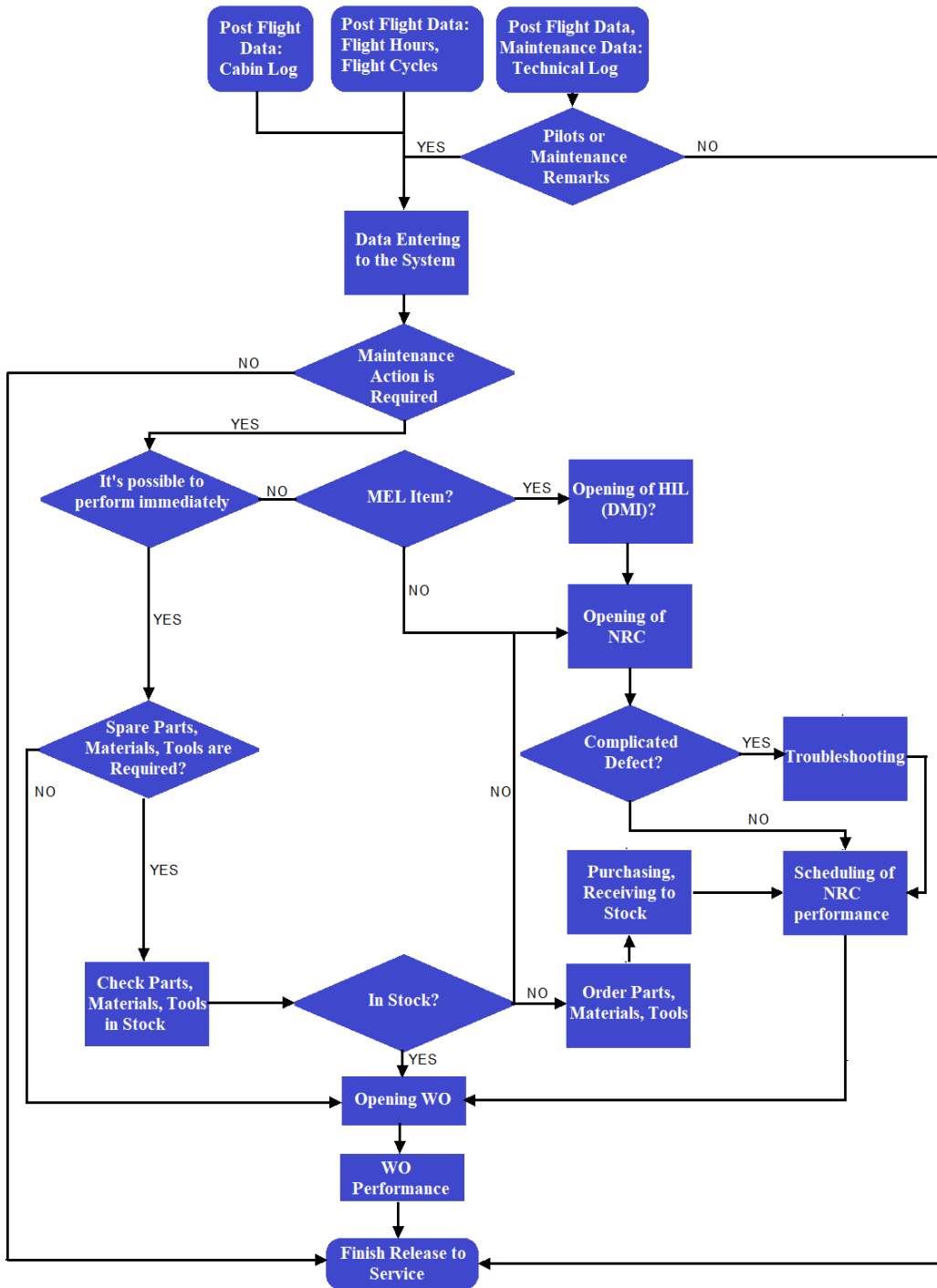
XXIV. SCENARIO

User Guidance

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1. Scenario 1: Post Flight Proceedings



1. Post flight data (fly hours): references to the Aircraft Times (chapter VII)

2. Post flight data (maintenance data): reference to the TLog (chapter VI)

3. HIL Opening: reference to the TLog (chapter VI, part 'HIL (Hold Item List) and references to MEL (Minimum Equipment List)')

4. Opening NRC: reference to the NRC (chapter IV)

5. Troubleshooting: reference to the NRC (chapter IV)

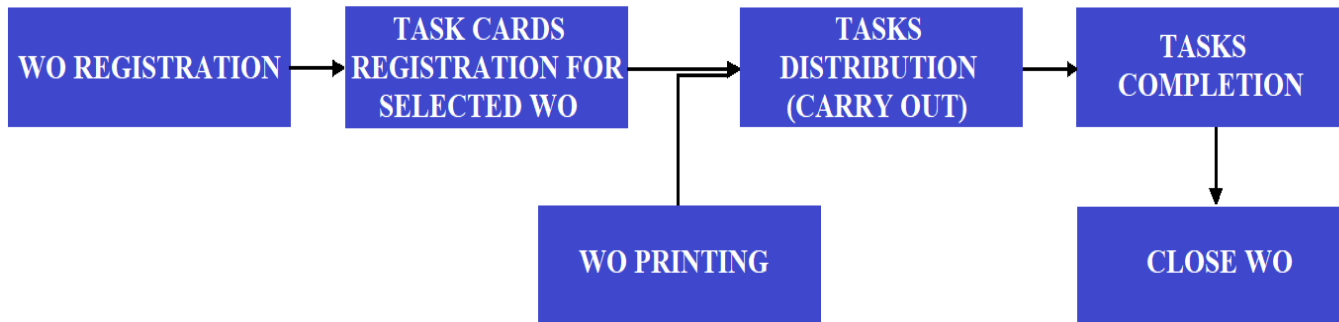
6. Scheduling of NRC performance: reference to the PART-M module, Planning sub-module.

7. Check Parts, Materials

8. Order Parts, Materials: reference to the Shortage (chapter III)

9. WP Opening/ Performance: reference to the Work Order (chapter II)

2. Scenario 2: Work Order Processing.



1. Work Order Registration: reference to the Work Order (chapter II, part 'Line Work Orders Registration Overview')

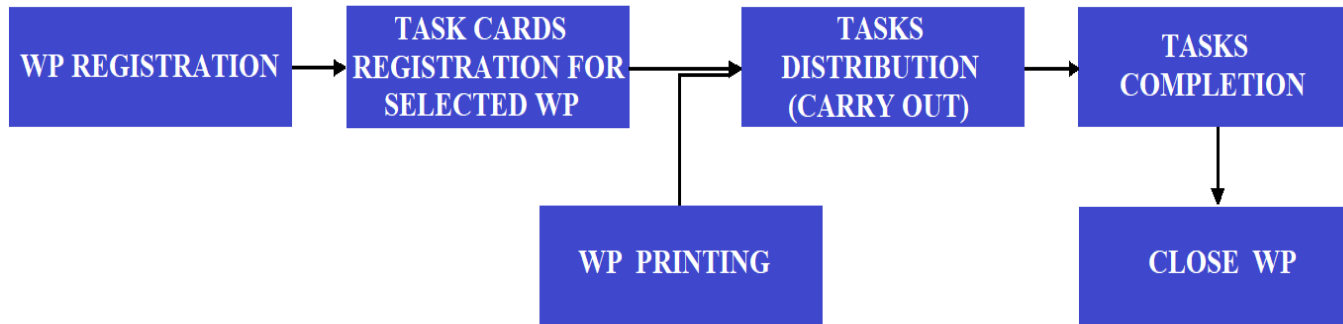
2. Task Card Registration: reference to the Work Order (chapter II, part 'Tasks List Registration Overview')

3. Task Distribution: reference to the Work Order (chapter II, part 'Distribution Overview')

4. Task Completion: reference to the Work Order (chapter II, part 'Completion Overview')

5. Close WO: reference to the Work Order (chapter II, part 'Line Work Orders Registration Overview')

3. Scenario 3: Work Package Processing.



1. Work Package Registration: reference to the Work Package (chapter VIII)

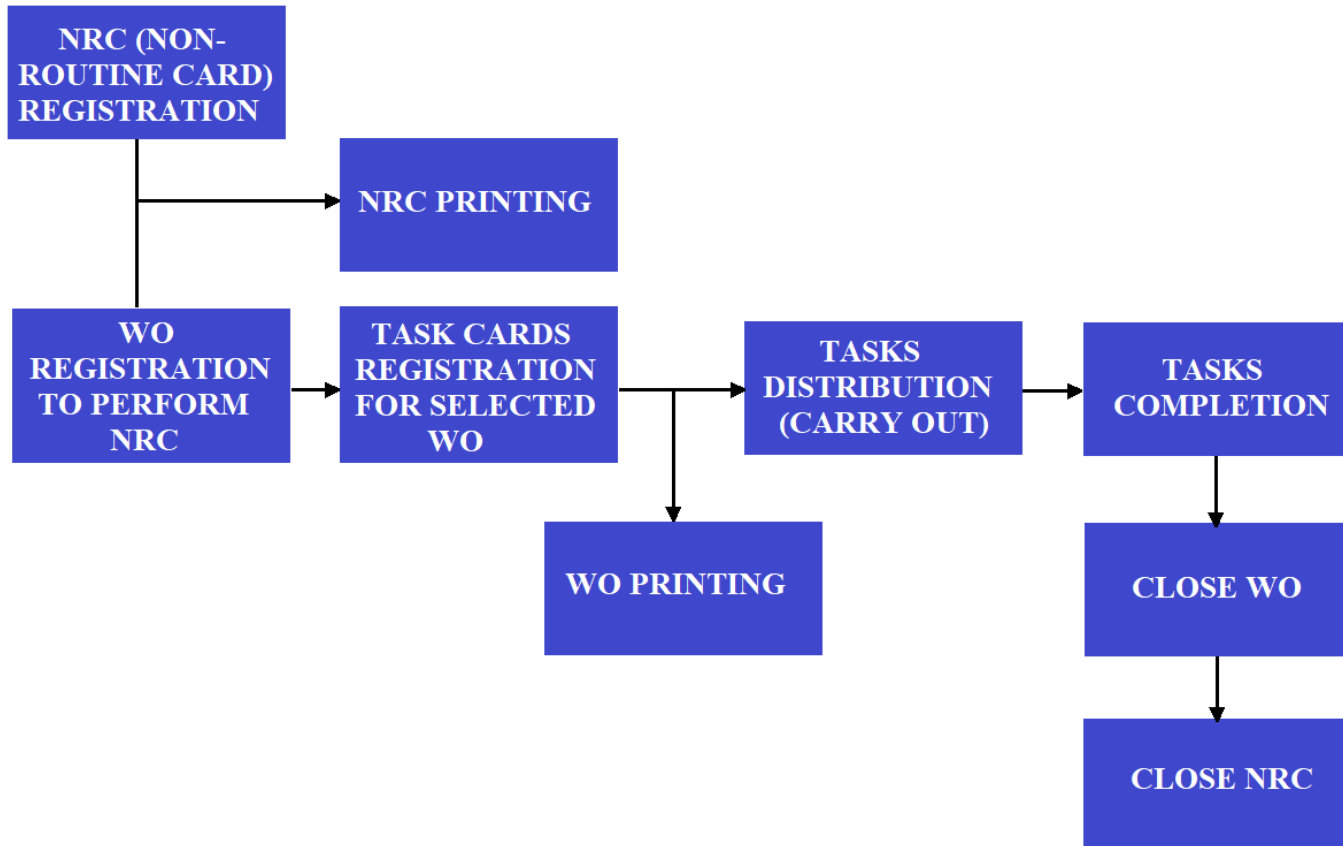
2. Task Card Registration: reference to the Work Package Tasks List (chapter IX)

3. Task Distribution: reference to the Work Package Distribution (chapter X)

4. Task Completion: reference to the Work Package Completion (chapter XI)

5. Close WP: reference to the Work Package (chapter VIII, part 'Work Package Closure')

4. Scenario 4: Unscheduled Work Order (NRC) Processing



1. NRC Registration: reference to the NRC (chapter IV)

2. WO Registration to Perform NRC: reference to NRC (chapter IV, part 'NRC Toolbar Overview')

3. Task Card Registration: reference to the Work Order (chapter II, part 'Tasks List Registration Overview')

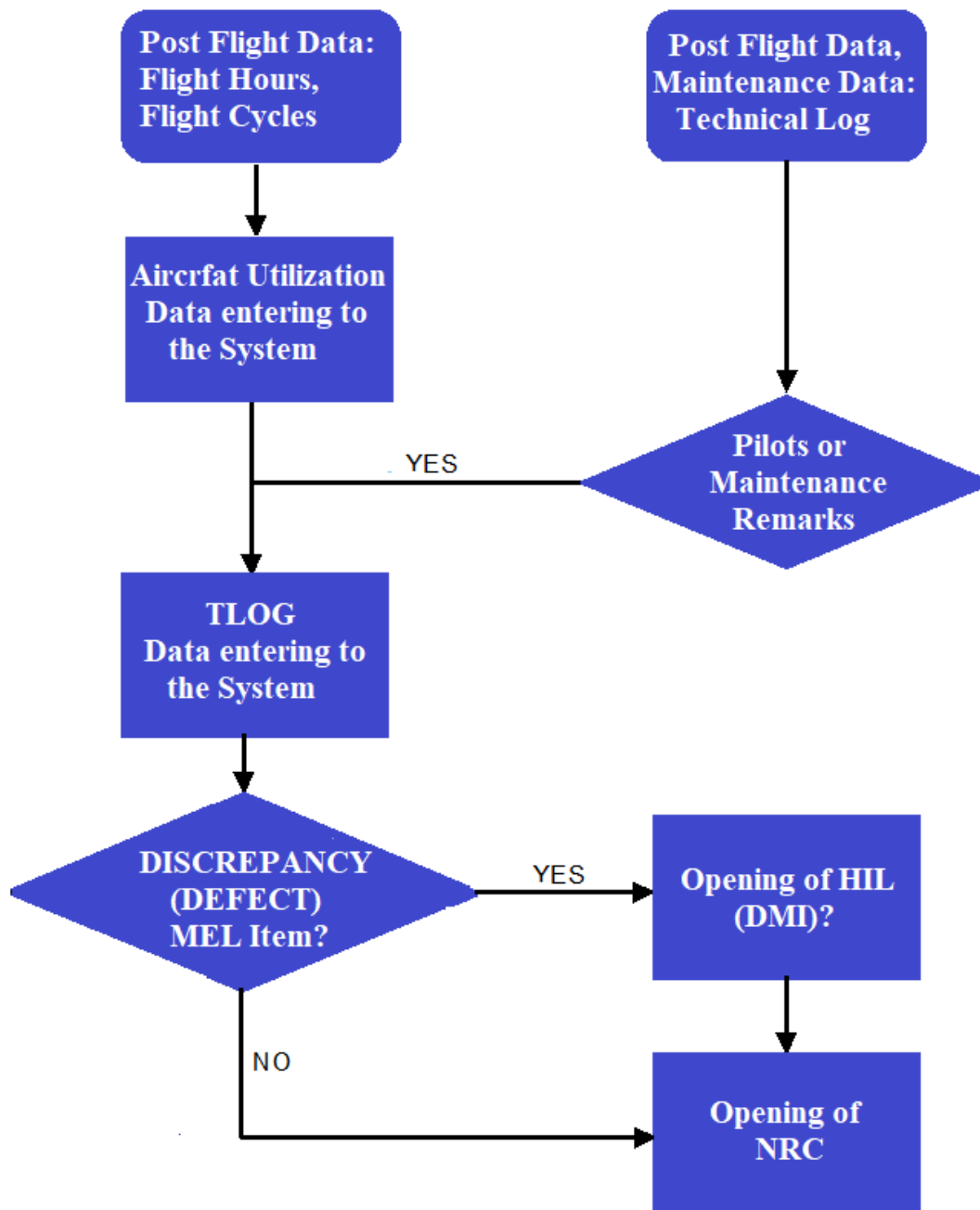
4. Task Distribution: reference to the Work Order (chapter II, part 'Distribution Overview')

5. Task Completion: reference to the Work Order (chapter II, part 'Completion Overview')

6. Close WO: reference to the Work Order (chapter II, part 'Line Work Orders Registration Overview')

7. Close NRC: reference to the NRC (chapter IV, part 'NRC Closure')

5. Scenario 5: Technical Log Processing



1. Post flight data (fly hours): reference to the Aircraft Times (chapter VII).

2. Post flight data (maintenance data): reference to the TLog (chapter VI)

3. HIL Opening: reference to the TLog (chapter VI, part 'HIL (Hold Item List) and references to MEL (Minimum Equipment List)')

4. NRC Opening: reference to the TLog (chapter VI, part 'Transfer to Work Order/Non-Routine Card').