

T/LOG – Technical Log

User guidance

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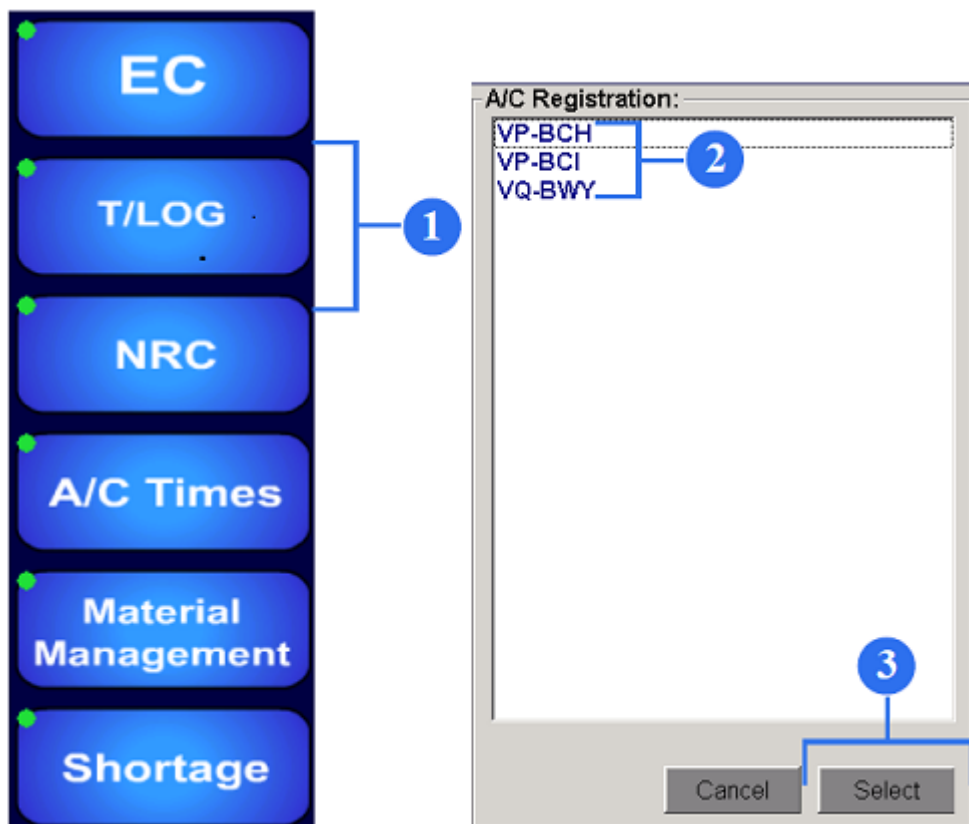
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1. General Information



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) on the right side of the PART M module list. 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.

2. Technical Log Creation

2.1 T/Log creation with a defect rectification

The screenshot shows the 'NEW' button in the toolbar highlighted with callout 1. Other callouts point to various fields: 2 (Station), 3 (A/C Reg), 4 (A/C Type), 5 (DATE), 6 (Flight No.), 7 (Take Off), 8 (Landing), 9 (Total FH), 10 (FC), 11 (Complaint), 12 (Action), 13 (C_ATA), 14 (CRS Date), 15 (Add), 16 (Close), 17 (Update), and 18 (Delete).

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.

The screenshot shows the T/LOG software interface with 18 numbered callouts:

- 1: New button
- 2: Delete button
- 3: Station dropdown (DUN)
- 4: Raised by dropdown
- 5: Flight No. field
- 6: Complaint dropdown (Correction)
- 7: Action dropdown (Correction)
- 8: Complaint text area
- 9: C_ATA dropdown
- 10: Action text area
- 11: Unconfirmed Failure checkbox
- 12: Unconfirmed Failure checkbox
- 13: A_ATA dropdown
- 14: CRS by dropdown
- 15: Add button
- 16: Close button
- 17: Update button
- 18: Delete button

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.

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 "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.

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

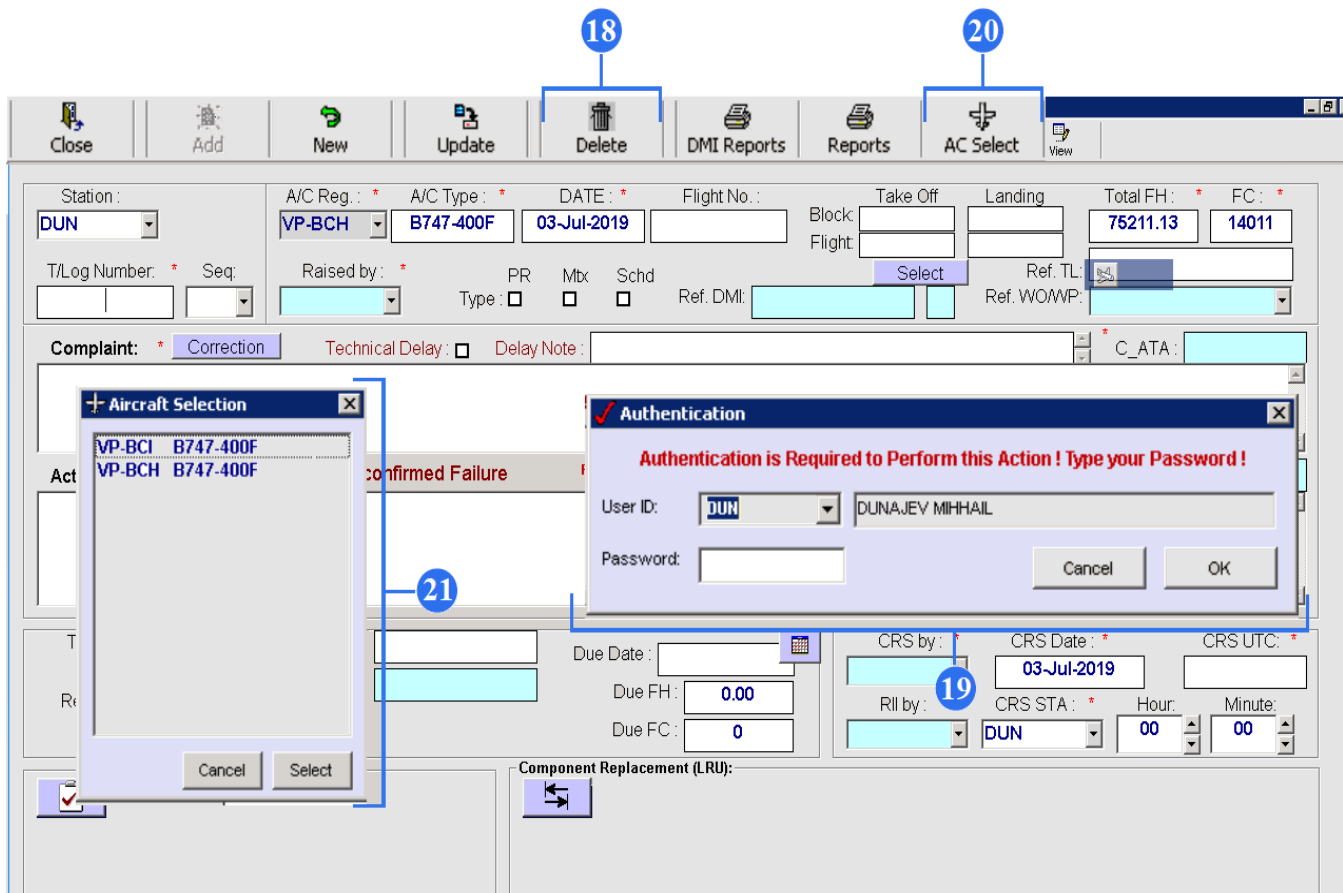
- 1**: New button in the upper toolbar.
- 2**: Refresh button in the upper toolbar.
- 3**: Station dropdown menu (DUN).
- 4**: Raised by dropdown menu.
- 5**: PR, Mbx, and Schd checkboxes.
- 6**: Complaint dropdown menu (Correction).
- 7**: Action dropdown menu (Correction).
- 8**: Flight No. field.
- 9**: C_ATA field.
- 10**: M, T, E checkboxes.
- 11**: MEL Cat field.
- 12**: Unconfirmed Failure checkbox.
- 13**: A_ATA field.
- 14**: Component Replacement (LRU) button.
- 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.



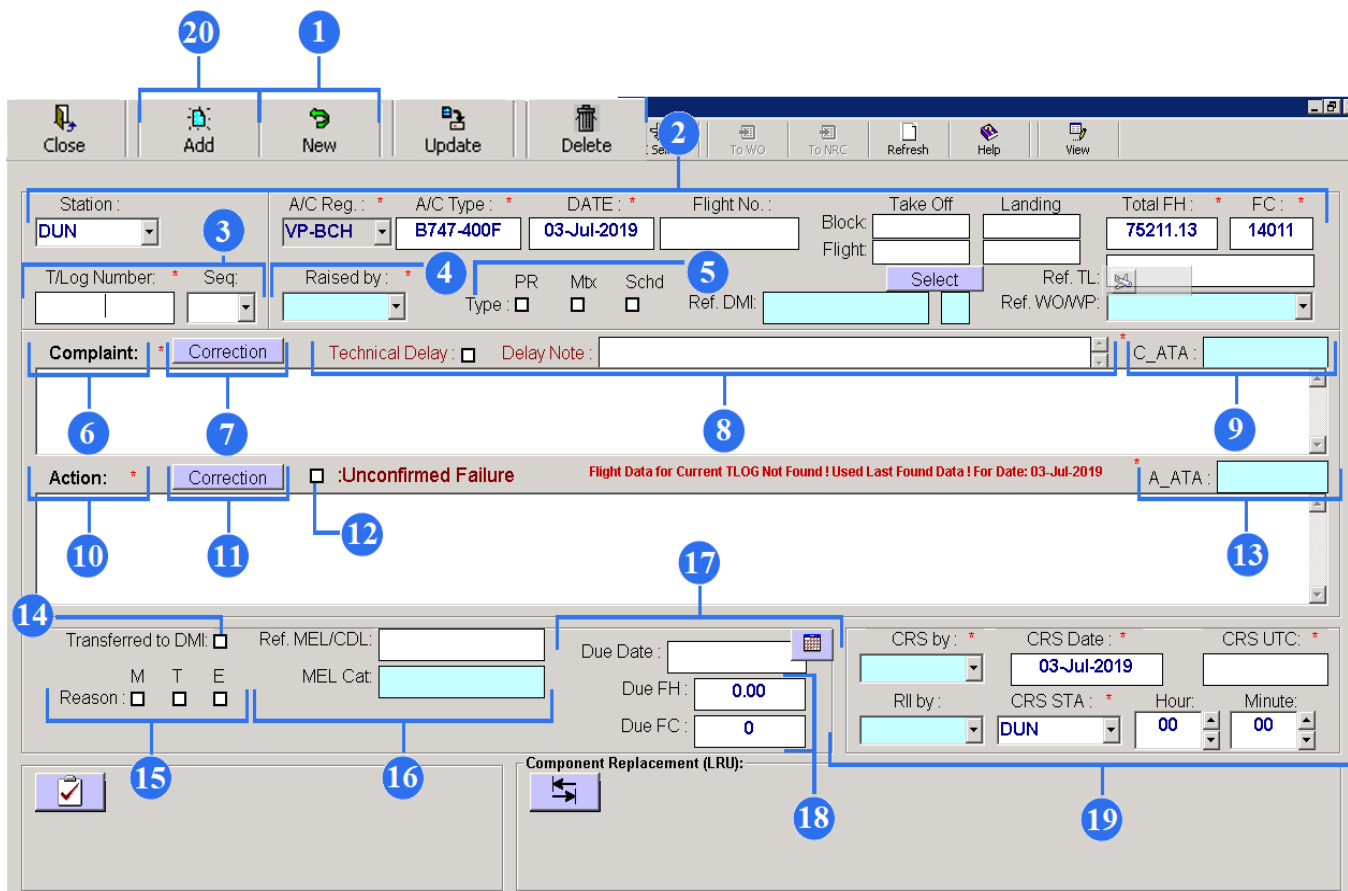
19. But you need an authentication for this action: enter your id and password in the authentication screen.

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 T/Log creation interface with the following fields and callouts:

- 1:** NEW button in the toolbar.
- 2:** Station dropdown menu.
- 3:** A/C Reg. dropdown menu.
- 4:** A/C Type dropdown menu.
- 5:** DATE field.
- 6:** Flight No. field.
- 7:** Take Off field.
- 8:** Landing field.
- 9:** Total FH field.
- 10:** FC field.
- 11:** T/Log Number field.
- 12:** Seq. field.
- 13:** Raised by dropdown menu.
- 14:** PR, Mtx, and Schd checkboxes.
- 15:** Ref. MEL/CDL field.
- 16:** MEL Cat. dropdown menu.
- 17:** Due Date field.
- 18:** Due FH field.
- 19:** Due FC field.
- 20:** Add button in the 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.

The screenshot shows the T/LOG software interface with 20 numbered callouts:

- 1: Add button
- 2: Delete button
- 3: Station dropdown (DUN)
- 4: Raised by dropdown
- 5: PR, Mbx, and Schd checkboxes
- 6: Complaint dropdown (Correction)
- 7: Action dropdown (Correction)
- 8: Technical Delay checkbox
- 9: C_ATA dropdown
- 10: Unconfirmed Failure checkbox
- 11: Reason checkboxes (M, T, E)
- 12: Unconfirmed Failure checkbox (repeated)
- 13: A_ATA dropdown
- 14: Transferred to DMI checkbox
- 15: Checkmark icon
- 16: Component Replacement (LRU) button
- 17: Due Date calendar icon
- 18: Due FH and Due FC input fields
- 19: CRS Date dropdown (03-Jul-2019)
- 20: Close button

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.

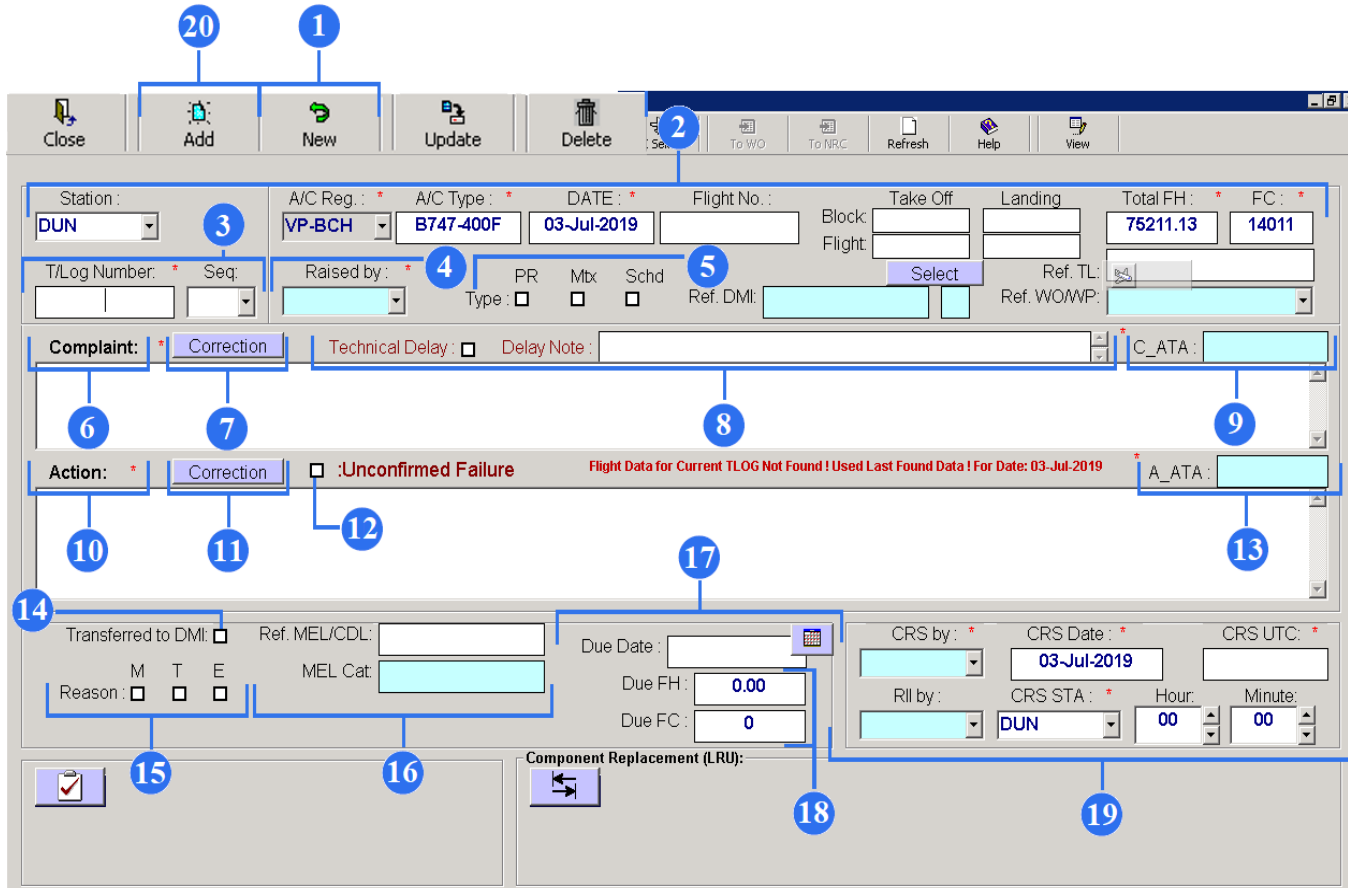
11. After TLOG registration completion it will not be possible to remove the text from Complaint field or Action field. Use the Correction button to correct the text.

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.



The screenshot shows the T/LOG software interface with 20 numbered callouts pointing to specific fields and buttons:

- 1: Add button in the toolbar
- 2: Delete button in the toolbar
- 3: Station dropdown menu (DUN)
- 4: Raised by dropdown menu
- 5: PR, Mbx, and Schd checkboxes
- 6: Complaint dropdown menu (Correction)
- 7: Action dropdown menu (Correction)
- 8: Ref. DMI field
- 9: C_ATA dropdown menu
- 10: Transferred to DMI checkbox
- 11: Reason checkboxes (M, T, E)
- 12: Unconfirmed Failure checkbox
- 13: A_ATA dropdown menu
- 14: Ref. MEL/CDL field
- 15: Checkmark icon
- 16: MEL Cat dropdown menu
- 17: Due Date field with calendar icon
- 18: Due FH and Due FC input fields
- 19: CRS by dropdown menu
- 20: Add button in the toolbar

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 “Ril 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 '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'. The main form is divided into several sections:

- Header Section:** Contains fields for Station (DUN), A/C Reg. (VP-BCH), A/C Type (B747-400F), DATE (03-Jul-2019), Flight No., Block, Take Off, Landing, Total FH (75211.13), and FC (14011).
- Form Fields:** Includes T/Log Number, Seq., Raised by, PR, Mbx, and Schd. A 'Select' button is next to the PR field.
- Complaint Section:** Features a 'Complaint' dropdown (set to 'Correction'), checkboxes for 'Technical Delay' and 'Delay Note', and a 'C_ATA' field.
- Action Section:** Includes an 'Action' dropdown (set to 'Correction'), a checkbox for ':Unconfirmed Failure', a red warning message 'Flight Data for Current TLOG Not Found ! Used Last Found Data ! For Date: 03-Jul-2019', and an 'A_ATA' field.
- Footer Section:** Contains 'Transferred to DMI', 'Ref. MEL/CDL', 'Due Date', 'Due FH' (0.00), 'Due FC' (0), 'CRS by', 'CRS Date' (03-Jul-2019), 'CRS UTC', 'Rll by', 'CRS STA' (DUN), 'Hour' (00), and 'Minute' (00).
- Component Replacement (LRU):** A section at the bottom with a 'Component Replacement (LRU)' label and a button.

Numbered callouts (1-16) point to specific elements: 1 (New button), 2 (Station dropdown), 3 (T/Log Number and Seq. fields), 4 (Raised by dropdown), 5 (PR field), 6 (Select button), 7 (Complaint dropdown), 8 (Technical Delay checkbox), 9 (Delay Note checkbox), 10 (C_ATA field), 11 (Action dropdown), 12 (Unconfirmed Failure checkbox), 13 (Warning message), 14 (A_ATA field), 15 (Component Replacement button), and 16 (Add button).

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 the T/LOG software interface with 16 numbered callouts pointing to specific fields and buttons:

- 1: Add button
- 2: Search icon
- 3: Station dropdown menu
- 4: Raised by dropdown menu
- 5: PR, Mbx, and Schd checkboxes
- 6: Select button next to the Ref. DMI field
- 7: Complaint field
- 8: Action field
- 9: Technical Delay checkbox and Delay Note field
- 10: C_ATA dropdown menu
- 11: Correction button in the Action field
- 12: Unconfirmed Failure checkbox
- 13: :Unconfirmed Failure text
- 14: A_ATA dropdown menu
- 15: Component Replacement (LRU) field
- 16: 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. 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.

The screenshot shows the T/LOG software interface with 16 numbered callouts:

- 1: Add button in the top toolbar.
- 2: Close button in the top toolbar.
- 3: Station dropdown menu.
- 4: Raised by dropdown menu.
- 5: PR, Mbx, and Schd checkboxes.
- 6: Select button for Ref. DMI.
- 7: Complaint field.
- 8: Correction button for Complaint.
- 9: Technical Delay checkbox.
- 10: Delay Note field.
- 11: Action field.
- 12: Correction button for Action.
- 13: Unconfirmed Failure checkbox.
- 14: A_ATA dropdown menu.
- 15: CRS by dropdown menu.
- 16: Add button in the top toolbar.

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.

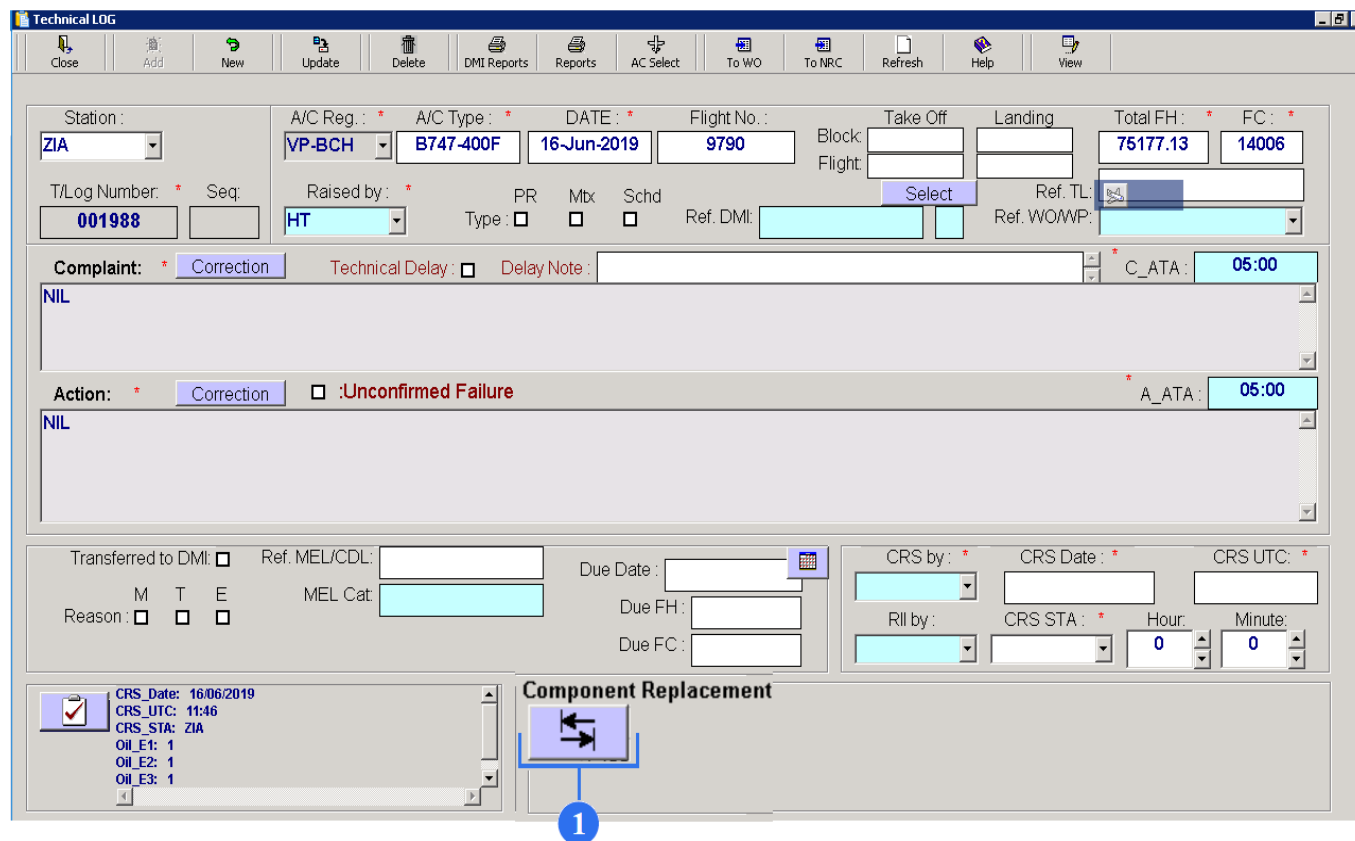
15. Enter mechanical ID number to “CRS by” field, type CRS date and CRS time (in UTC). If another person was involved in the work, you can note additional signature in the “RII by field”. Type the airport station, where CRS was issued. Also, you can enter hours and minutes to display the total work time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

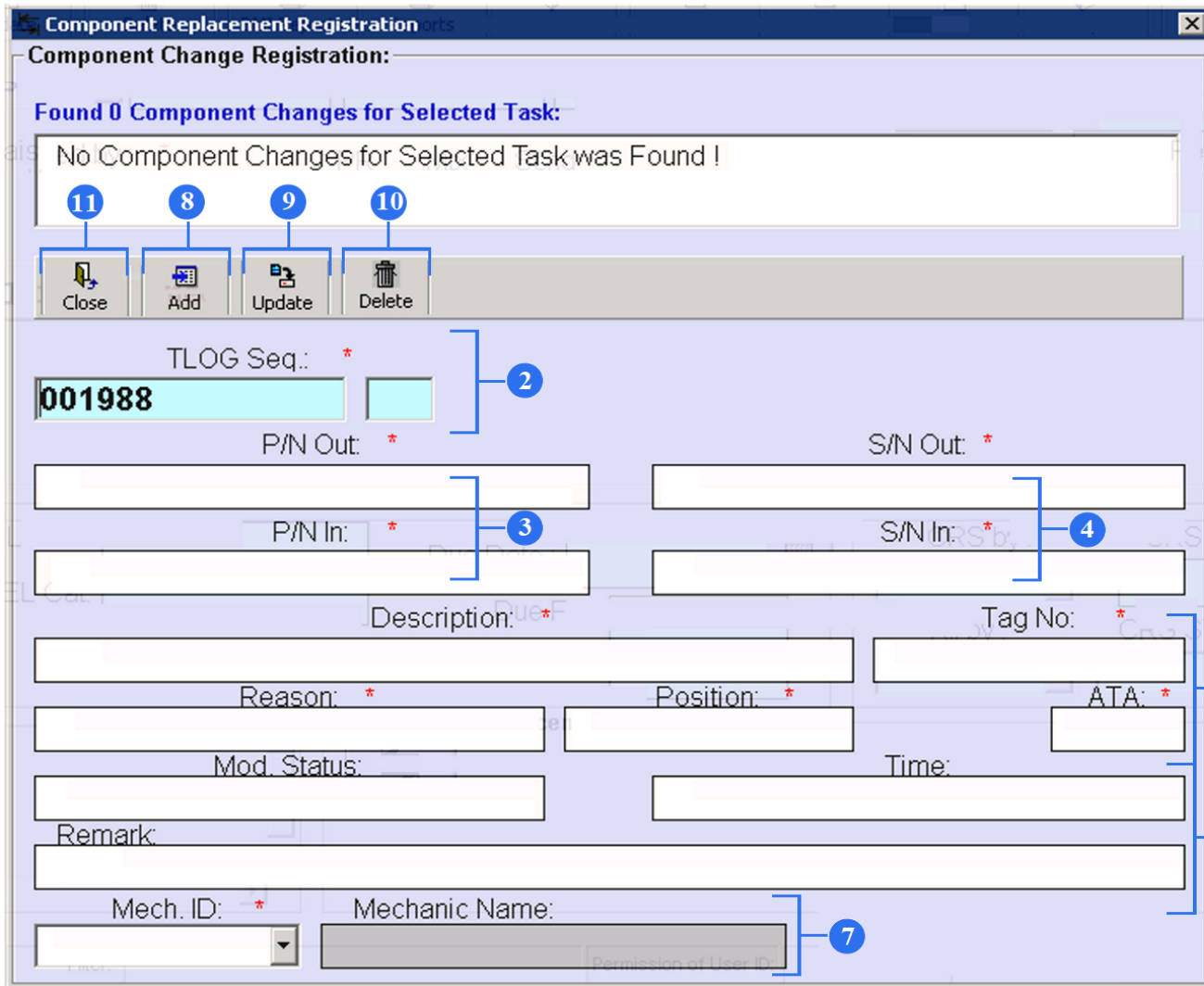


The screenshot displays the 'Technical LOG' application window. The interface includes a toolbar at the top with buttons for Close, Add, New, Update, Delete, DMI Reports, Reports, AC Select, To WO, To NRC, Refresh, Help, and View. The main form contains several sections:

- Header Section:** 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.
- Complaint Section:** Complaint: Correction, Technical Delay: , Delay Note: [empty], C_ATA: 05:00.
- Action Section:** Action: Correction, :Unconfirmed Failure, A_ATA: 05:00.
- Transferred to DMI Section:** Transferred to DMI: , Ref. MEL/CDL: [empty], Due Date: [calendar icon], Due FH: [empty], Due FC: [empty].
- CRS Section:** CRS by: [empty], CRS Date: [empty], CRS UTC: [empty], Rll by: [empty], CRS STA: [empty], Hour: 0, Minute: 0.
- Component Replacement Section:** A section titled 'Component Replacement' with a button featuring a double-headed arrow icon, highlighted with a blue circle and the number 1.
- Summary Section:** 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.



The screenshot shows a software window titled "Component Replacement Registration" with a sub-header "Component Change Registration:". Below this, a message box states "Found 0 Component Changes for Selected Task:" and "No Component Changes for Selected Task was Found!". A toolbar contains four buttons: "Close" (11), "Add" (8), "Update" (9), and "Delete" (10). The form fields are as follows:

- TLOG Seq.: * (2) - Text field containing "001988".
- P/N Out: * - Text field.
- P/N In: * (3) - Text field.
- S/N Out: * - Text field.
- S/N In: * (4) - Text field.
- Description: * (5) - Text field.
- Tag No: * - Text field.
- Reason: * - Text field.
- Position: * - Text field.
- ATA: * - Text field.
- Mod. Status: - Text field.
- Time: - Text field.
- Remark: - Text area.
- Mech. ID: * (7) - Dropdown menu.
- Mechanic Name: - Text field.

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.

Technical LOG

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

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

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

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

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

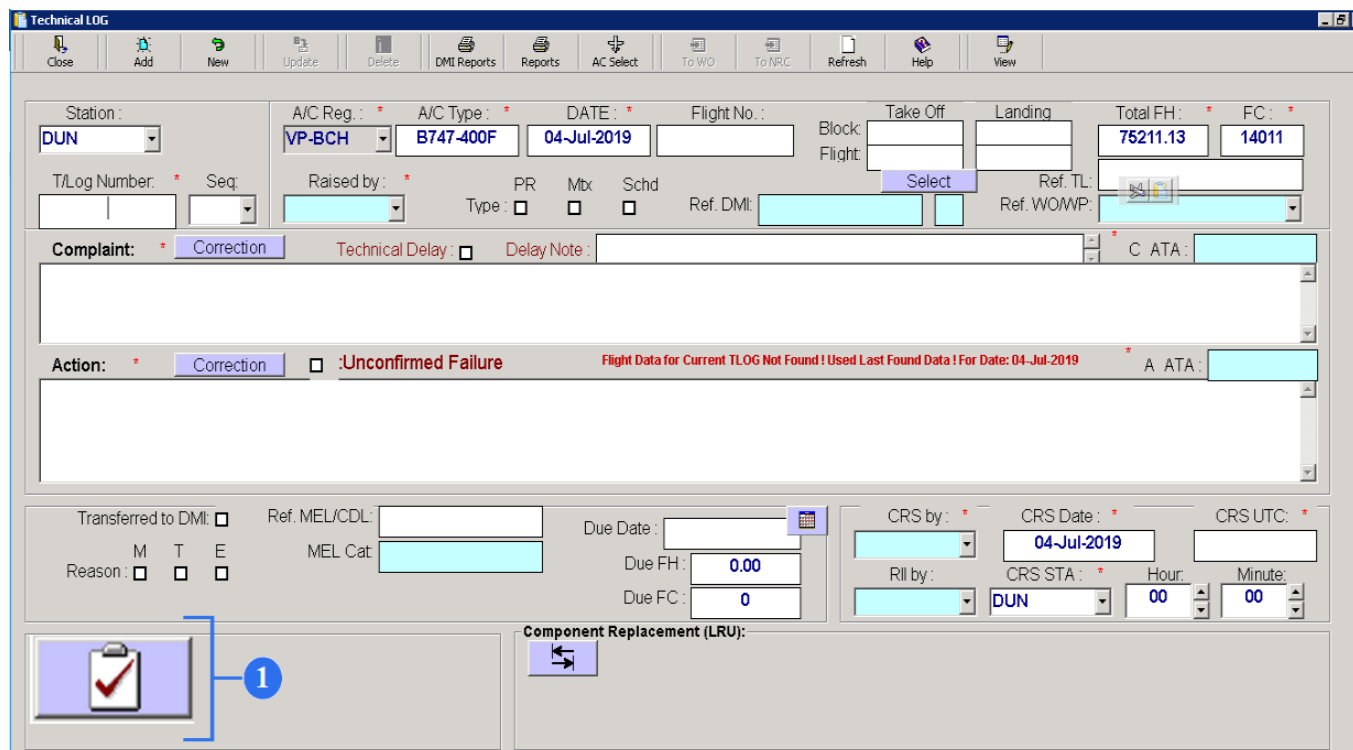
Transferred to DMI: Ref. MEL/CDL: Due Date: CRS by: CRS Date: CRS UTC: Reason: M T E MEL Cat: Due FH: Rll by: CRS STA: Hour: Minute: Due FC:

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

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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: **DUN** (14)

T/Log Number: * Seq: (2)

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** (3)

Raised by: * Type: PR Mtx Schd Ref. WO/WP: (4)

Wheel Pressure, Psi

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

(7)

Oils. Qt

APU rem: 0	GD1: 0
E1 rem: 0	GD2: 0
E1: 0	GD3: 0
E2 rem: 0	GD4: 0
E2: 0	H1: 0
E3 rem: 0	H2: 0
E3: 0	H3: 0
E4 rem: 0	H4: 0
E4: 0	Str1: 0
	Str2: 0
	Str3: 0
	Str4: 0

(6) (8) (9) (10)

Fuel Info:

PRIOR FUELLING: **0**

UPLIFT: **0**

DEPARTURE: **0**

ARRIVAL: **0**

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

Rll by: * CRS STA: * **DUN** Hour: **00** Minute: **00** (12)

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

Close (15)

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.

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.

The screenshot shows the 'TLOG LINE CHECK' application window. It contains several sections:

- Station:** A dropdown menu set to 'DUN' (callout 2).
- TLog Number:** A text input field (callout 14).
- Buttons:** 'Add', 'Update', and 'Refresh' buttons.
- Aircraft Information:** Fields for 'A/C Reg.' (VP-BCH), 'A/C Type' (B747-400F), 'DATE' (04-Jul-2019), 'TIME', 'Flight No.', 'FH' (75211.13), and 'FC' (14011) (callout 3).
- Personnel and Scheduling:** 'Raised by' dropdown, 'PR', 'Mtx', and 'Schd' checkboxes, and a 'Ref. WO/WP' dropdown (callout 4).
- Wheel Pressure, Psi:** A table with columns for 'Checked' and 'Inflated to' for MW1-MW4 (callout 5).
- Oils. Qt:** A grid of input fields for oil quantities: APU rem, E1-E4 rem, H1-H4, and GD1-GD4 (callout 6).
- Fuel Info:** Fields for PRIOR FUELLING, UPLIFT, DEPARTURE, and ARRIVAL (callout 7).
- CRS (Crew Resource Sign-off):** Fields for 'CRS by' (dropdown), 'CRS Date' (04-Jul-2019), 'CRS UTC' (dropdown), 'Rll by' (dropdown), 'CRS STA' (DUN), and 'Hour'/'Minute' (spinners) (callout 8).
- Checkboxes:** FF/TR, DY/SC, WY, and L-Check (callout 9).
- Buttons:** A 'Close' button at the bottom right (callout 10).

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.

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. WOVWP: []

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
E1: 0	GD3: 0
E2 rem: 0	GD4: 0
E2: 0	Str1: 0
E3 rem: 0	Str2: 0
E3: 0	Str3: 0
E4 rem: 0	Str4: 0
E4: 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: * **DUN** Hour: **00** Minute: **00**

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: [] Mbx: [] 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_TR: Y
Oil_E1: 1

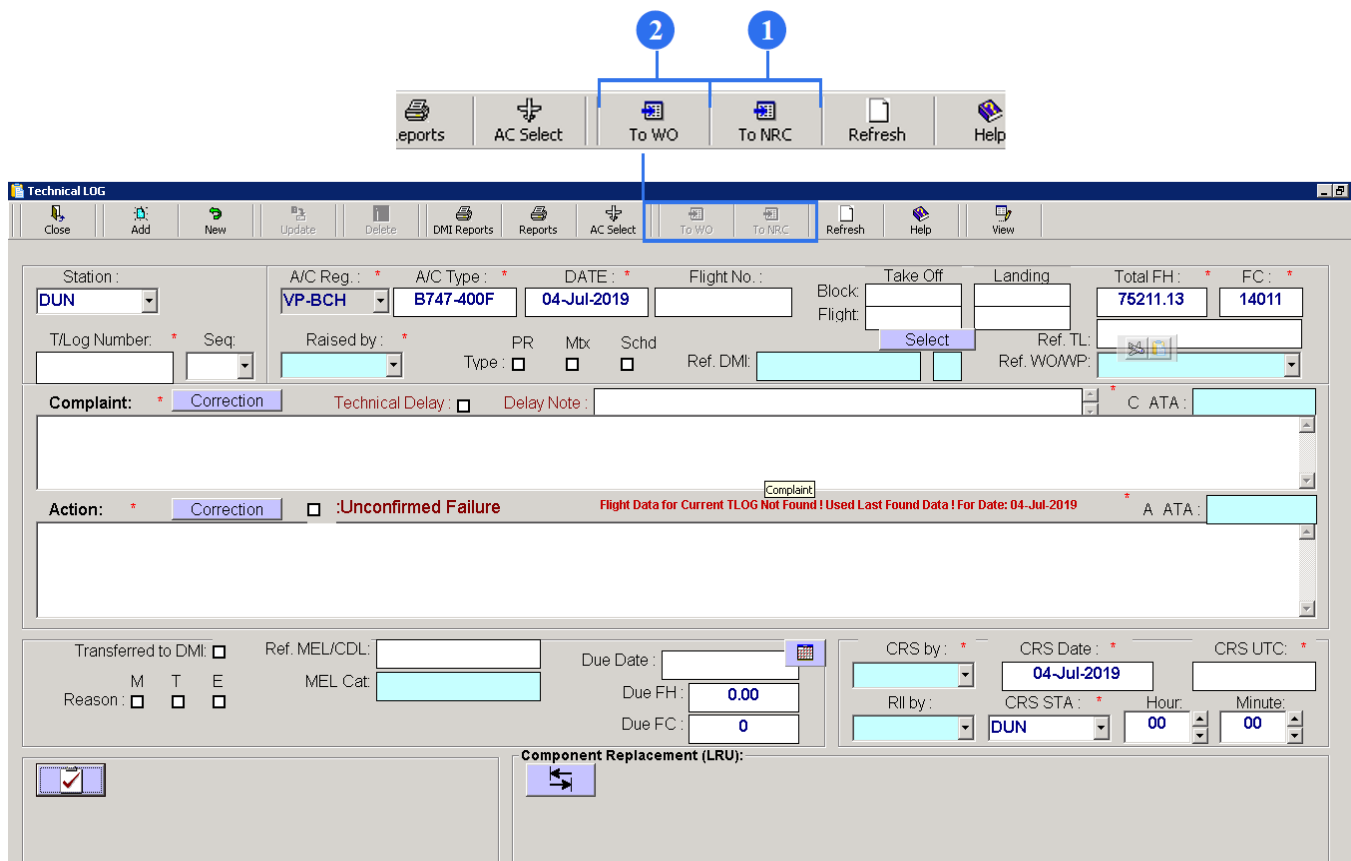
16

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.

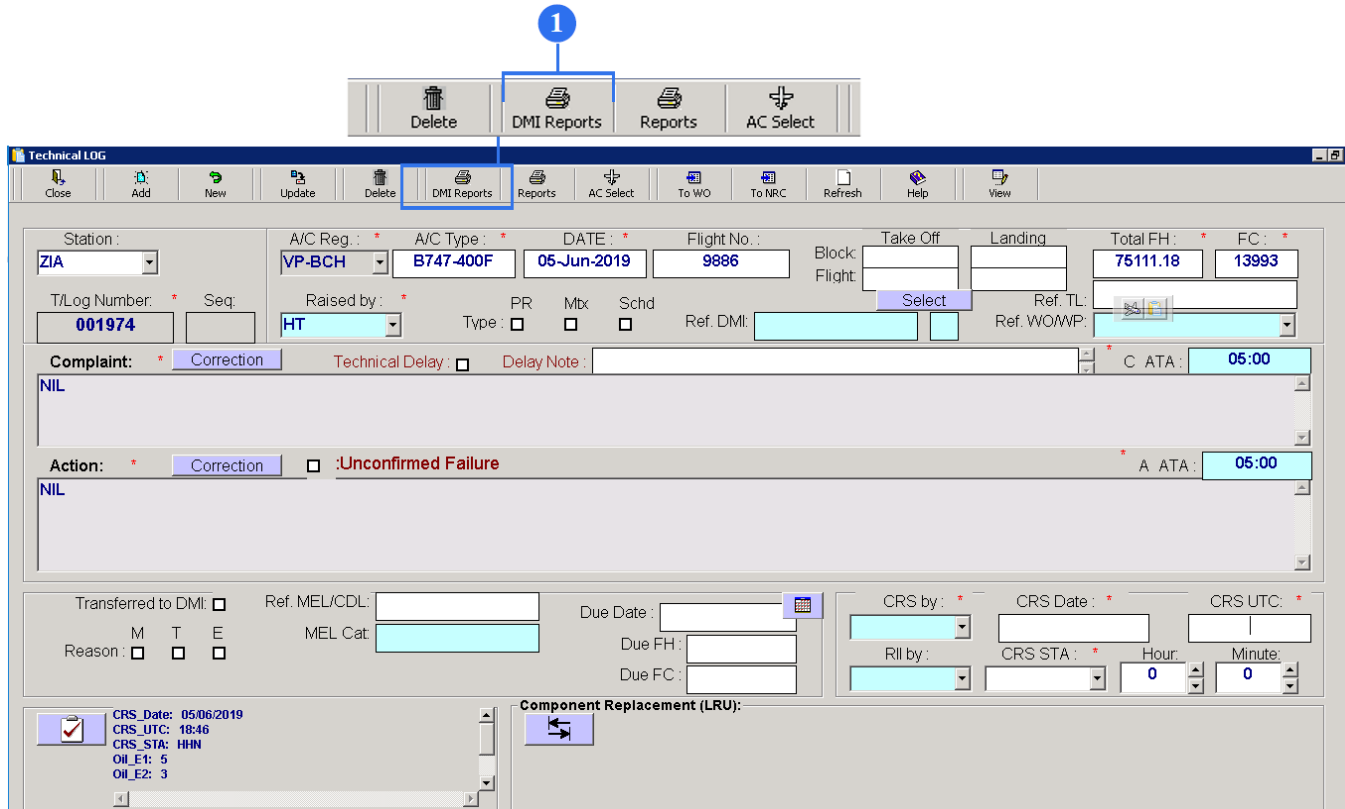


1. After completion of the T/LOG creation with MEL/CDL you can push “To NRC” on the toolbars to begin to work with NRC submodule. It is comfortable to plan defect rectification with multistage troubleshooting within deadline of defect. Also, after “To NRC” click NRC will be displayed in the “Planning”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

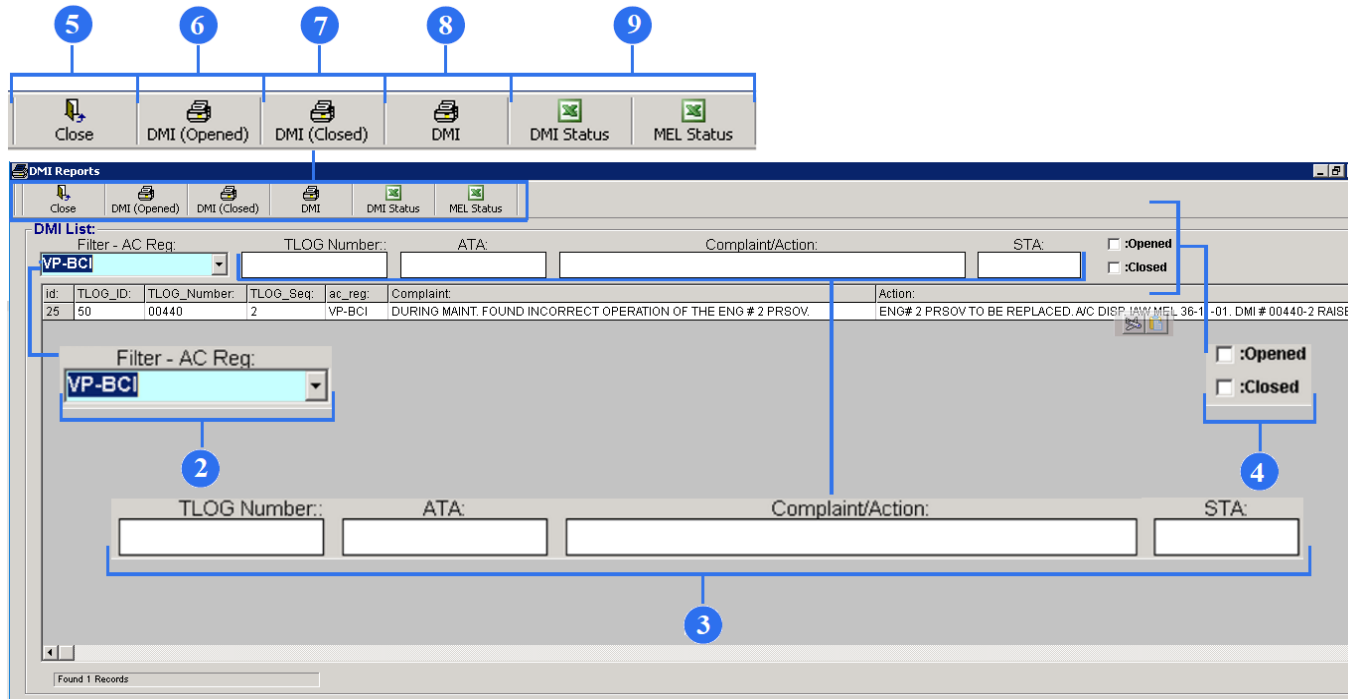
2. After completion of the T/LOG creation with MEL/CDL you can push “WO” on the toolbars to make work order for defect rectification. It is comfortable if you use LSM (Line Station Maintenance) module. After click of “WO” button work order will display in the LSM module where you can print it and issue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

6. Reports.

6.1. DMI REPORTS



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.

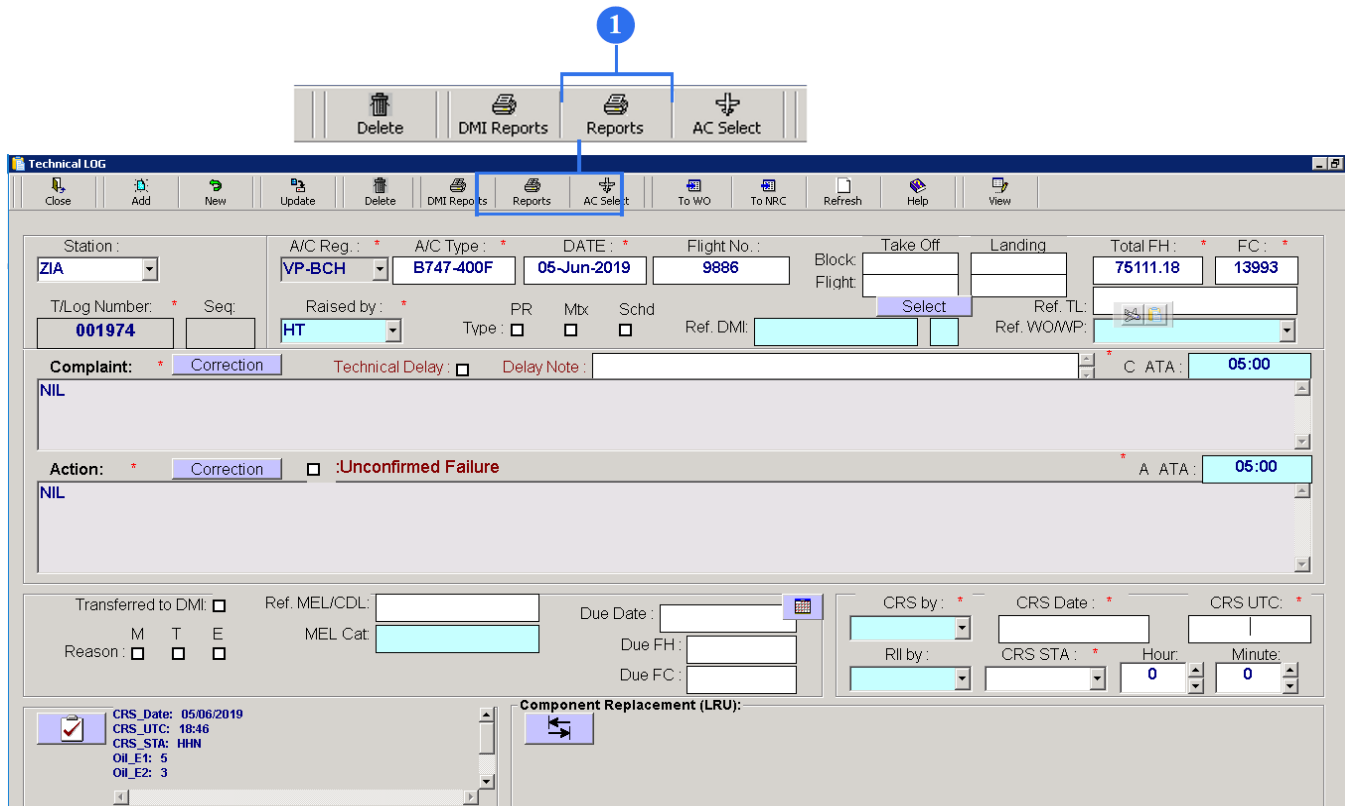
7. If you want to print all closed defects, click the DMI (Closed) button.

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.

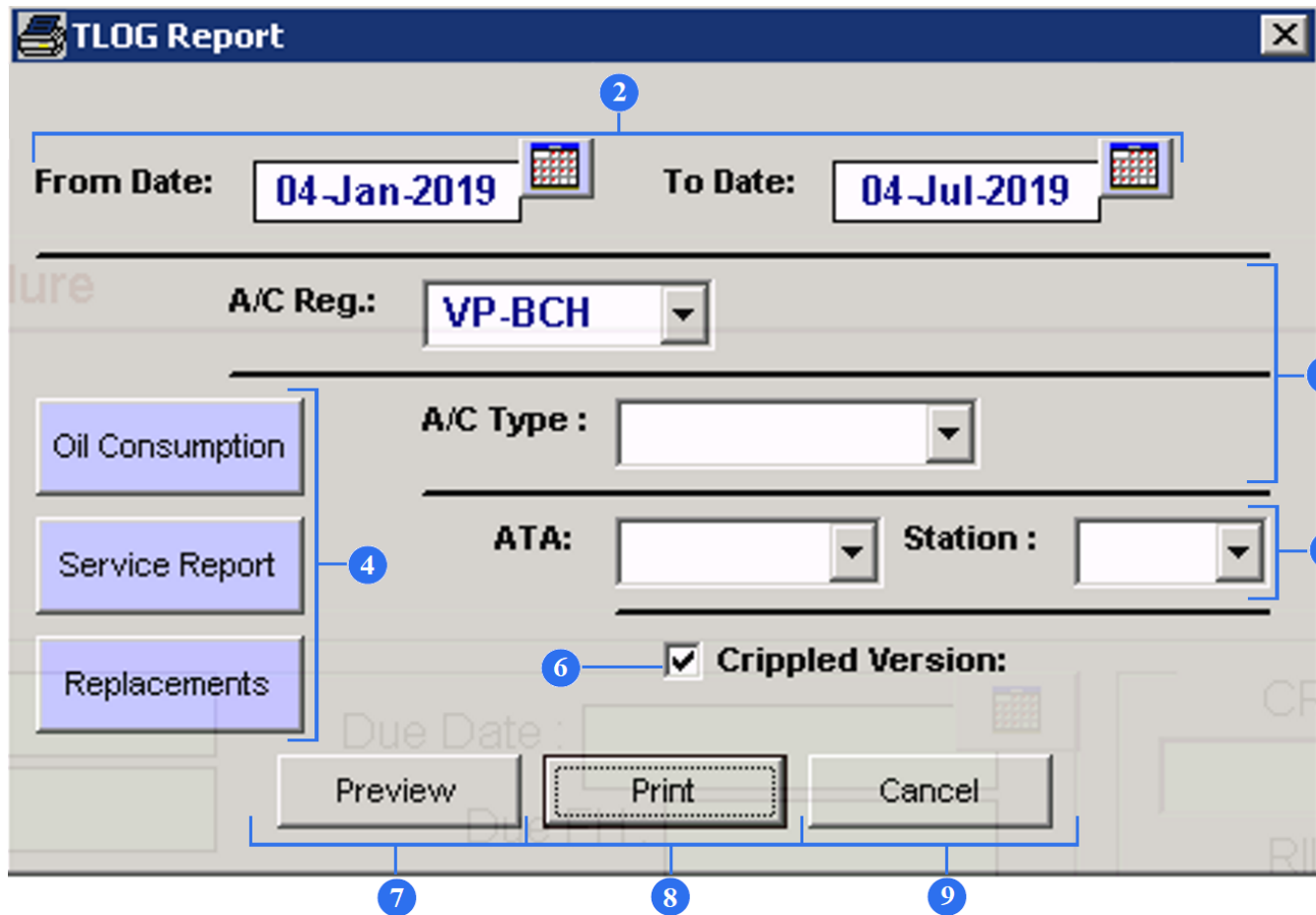
NOTE: From the whole of the defect list grey lines mean closed defects, and white lines are open defects.

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:

- 1:** Window title bar: TLOG Report
- 2:** From Date: 04-Jan-2019 (with calendar icon) and To Date: 04-Jul-2019 (with calendar icon)
- 3:** A/C Reg.: VP-BCH (dropdown menu)
- 4:** A/C Type: (dropdown menu)
- 5:** ATA: (dropdown menu) and Station: (dropdown menu)
- 6:** Crippled Version:
- 7:** Preview button
- 8:** Print button
- 9:** Cancel button

On the left side of the window, there are three buttons: Oil Consumption, Service Report, and Replacements. The Service Report button is highlighted with callout 4.

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.

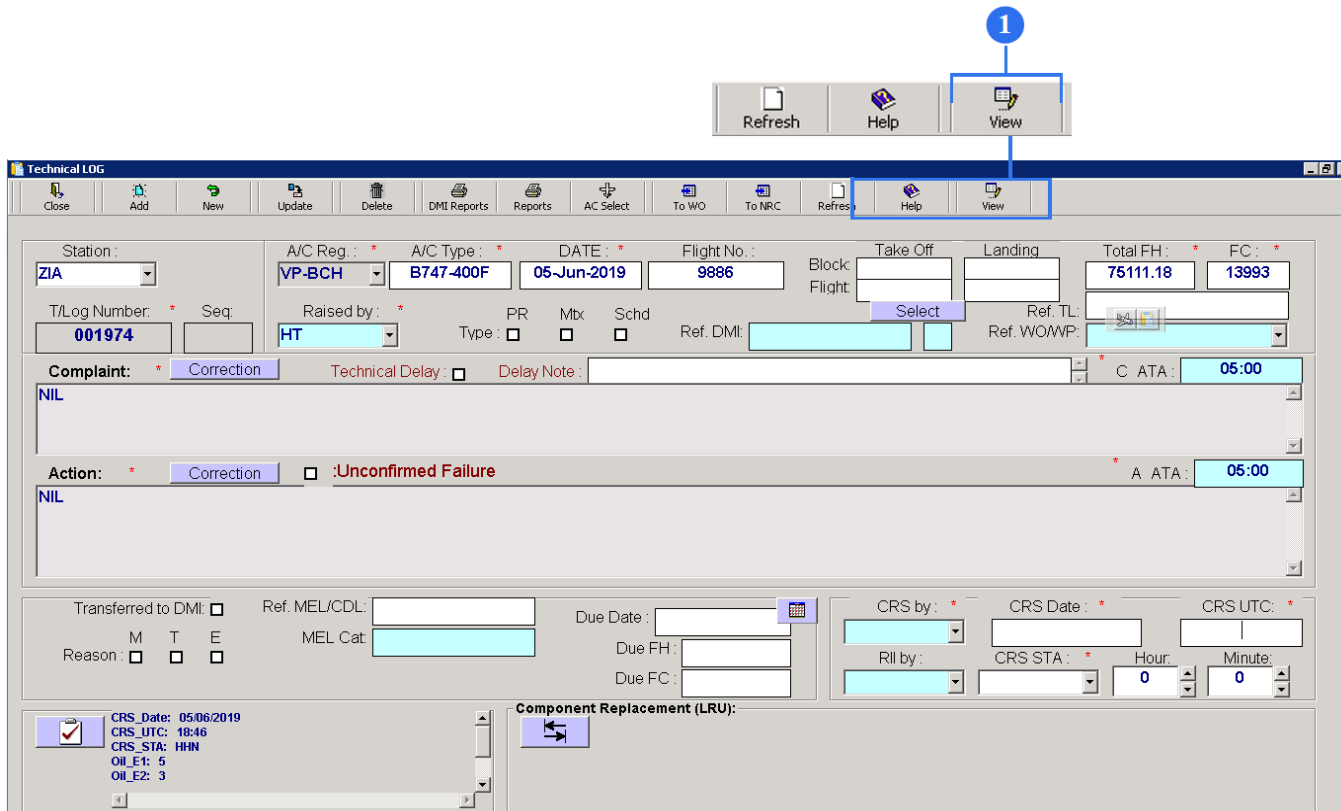
6. If you want to see shortened report tick the “Crippled Version”. To see the full report of the component replacement (with action text for example) remove the tick.

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.

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

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.

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.