

Instructions for Use

Aircraft Control Systems Multiple Independent Inspection for Correct Assembly Certificate - MOD Form 707C-M1(Ind)

Aircraft Control Systems Multiple Independent Inspection for Correct Assembly Certificate - MOD Form 707C-M2(Ind)

Aircraft Control Systems Multiple Independent Functional Test Certificate - MOD Form 707C-M3(Ind)

Aircraft Control Systems Independent Inspection for Correct Assembly Certificate - MOD Form 707C-M4(Ind)

Any reference to M1/M2/M4 refers to either a MOD Form 707C-M1(Ind), 707C-M2(Ind) or 707C-M4(Ind). M3 refers to MOD Form 707C-M3(Ind), and Work Orders refers to Maintenance Work Orders.

1. Detailed regulations governing Aircraft control systems Independent Inspections are contained in MAM-P Chapter 4.15.
2. These forms are used as continuation sheets of Work Orders. They permit several Independent Inspections for correct assembly (M1/M2) or a single Independent Inspection for correct assembly (M4) to be covered by their associated independent functional test(s) (M3). The M1/M2/M4 forms are used as required dependent upon the complexity of the system or inspection, the narrative space needed, or the number of interrelated systems, and they may be mixed. The M3 form may be used to detail independent functional tests on a single control system or a mixture of control systems.
3. The four forms are used in conjunction with an existing Work Order or with unique Work Orders in three distinct ways:
 - a. As purely continuation sheets of an existing Work Order, using sheet numbers taken from the Work Order.
 - b. Using a unique Work Order for the complete inspections for correct assembly and functional tests. A Work Order is raised for the inspections for correct assembly and functional tests, and the M1/M2/M3/M4 forms are raised as continuation sheets of this Work Order.
 - c. Using a unique Work Order for the functional test(s) only. The inspection for correct assembly forms M1/M2/M4 are continuation sheets of the existing Work Orders (as **Paragraph 3 a**) and a Work Order is raised for the functional tests with the M3 forms raised as continuation sheets of this Work Order.

Initiating Aircraft Control System Independent Inspections for Correct Assembly and Functional Test(s).

4. When the supervisor is **NOT** authorized to, or **DOES NOT** specify the extent of the inspections for correct assembly and functional test they are to:
 - a. When using the original Work Order Reference to document the inspection

for correct assembly and functional test.

(1) **M1/M2/M4 and M3.** Enter the SNOW, Aircraft Number, Date and Sheet Numbers taken from the Work Order.

(2) **M1/M2.** Complete **Field 1 Block A.** (See **Note 1**).

or

M4. Complete **Field 1 Block A.** (See **Note 1**). Detail the control systems and trades which require independent functional test(s) on Entry No. **Lines 1 to 12.** Strike through any unused Entry No. lines.

(3) **M3 (Multiple System Use).** Enter "Multiple" in the system detail of **Field 1 Block D.**

or

M3 (Single System Use). Enter the single control system in the system detail of **Field 1 Block D** and strike through the vertical Control System column.

(4) Complete the Continuation Sheets block on the Work Order.

b. When using a unique Work Order to undertake the inspections for correct assembly **AND** functional test(s):

(1) Raise a MOD Form 707 series entry and, if necessary, the associated Work Order. Enter in the Symptom/Work Required/Aircraft Placed Unserviceable Blocks "Independent inspection for correct assembly and functional test required on _____ Control System".

(2) Raise the M1/M2/M3/M4 sheets in accordance with **Paragraphs 4 a (1) to (4).**

(3) Dependent upon the type of document the work requiring Independent Inspection for correct assembly and functional test was recorded on:

MOD Form 707X/Y. In the Record of Work Carried Out column enter "Cross refer to Aircraft Job No. _____ Sheet No. _____ Line No. ____". Complete the Supervisor column and strike through the Operative column.

Maintenance Work Order. In the Work Required/Done column enter:

a. **Inspection for Correct Assembly.**

"Independent Inspection for correct assembly required on ...[insert clear description of the system or sub-system]... system in respect of work at ...[insert clear reference of the appropriate Sheet No. and Line No.]."

b. **Functional Test.**

"Independent Functional test required on ...[insert clear description of the system or sub-system]... system in respect of work at ...[insert clear reference of the appropriate Sheet No. and Line No.]."

c. **Work Done.** In the Work Done column enter "Cross refer to SNOW. _____ Sheet No. _____ Entry No. ____". Complete the Supervisor column and strike through the tradesperson column.

Notes:

1. To provide a clear audit trail the above 2 entries (**Paragraph 4 b (3) a and b**) are to be recorded in the MOD Form 707 series documentation or equivalent as immediately consecutive entries. Where there are multiple inspections for correct assembly, the functional test entry is to follow immediately after the last correct assembly entry.

2. The wording of the Work Requirements for the correct assembly and functional test may be combined into a single stamp provided that, after stamping and making any necessary deletions, the final wording is as per the appropriate entry (**Paragraph 4 b (3) a and b**) and is legible.

Maintenance Records. In the Brief Details of Suspected Fault(s) and SNOW(s) column enter "Cross Refer to SNOW. _____ Sheet No. _____ Entry No. _____ for Independent Inspection for correct assembly and functional test". Complete the Supervisor column and strike through the tradesperson column.

c. When using a unique Work Order to undertake the independent functional test **ONLY:**

(1) **M1/M2/M4.** These are actioned in accordance with **Paragraph 3 a.**

(2) Raise a MOD Form 707 Series entry and Work Order, if necessary. Enter in the Symptom/Work Required Blocks "Independent functional test required on _____ Control System".

(3) **M3.** Raise the M3 sheets iaw **Paragraphs 4 a (1, 3 and 4).**

5. When an authorized person other than the supervisor specifies the extent of the inspections for correct assembly and functional test they are to:

a. **M1/M2.** Complete **Fields 1 and 2 of Blocks B and C** and **Fields 3 and 4 of Block B** (See **Note 4**).

or

M4. Complete **Fields 1 and 2 of Blocks B and C** and **Field 4 of Block B**. Ensure the functional tests in **Entry No. Lines 1 to 12 of Block B** correspond with the control systems detailed in **Entry No's 1 to 12 of Block A**. Strike through any unused Entry No. Lines (see **Note 4**).

b. **M3.** Complete **Fields 1 and 2 of Block D.** (see **Notes 2 and 3**).

6. When the supervisor **IS** exceptionally authorized and **DOES** specify the extent of the inspection(s) for correct assembly and functional test, iaw MAM-P Chapter 4.15 they are to:

a. Undertake the actions of **Paragraphs 4 a, 4 b or 4 c** as appropriate.

b. Record the authorizing reference and reason for both supervising and specifying on the relevant MOD Form 707 Series, Work Order and/or Block B of the MOD Form 707C(M1) or 707C(M4) and/or Block D of the 707C(M3).

c. Undertake the actions of **Paragraphs 5 a or 5 b** (see **Note 5**).

Satisfaction of Independent Inspections for Correct Assembly and Functional Test(s).

7. After undertaking the Independent Inspection for correct assembly, the person involved is to:

a. Annotate **Field 3 of Block C** of the **M1, M2 or M4** accordingly by deleting as appropriate (see **Note 6**).

b. Complete and sign **Field 4 of Blocks C** of the **M1, M2 or M4**.

8. After undertaking the independent functional test, the person involved is to:

a. Annotate **Field 3 of Block D** of the **M3** accordingly by writing "Satisfactorily completed" or "Failed see Sheet No... Line No..." as appropriate (see **Note 6**).

b. Complete and sign **Field 4 of Block D** of the **M3**.

c. If the requirement for the Functional Test is to be waived, authorized personnel are to enter the mandatory wording iaw MAM-P in **Block D**, complete **Field 2**, strikethrough **Field 3** and certify the entry in **Field 4**.

Record of Supervisors/NCOs involved with associated Work Orders/Maintenance Records who are prohibited from undertaking the Independent Functional Test(s) (Rear of MOD Form 707C-M3).

9. This sheet is a non-mandatory aid. It is used to record the names of all supervisors/NCOs who are prohibited from undertaking the independent functional test(s).

Notes:

1. After "In Respect of Work at" insert the Work Order Number, ie

Maintenance Record Card No: _____ Sched Ident No: _____

Maintenance Work Order ORN: _____

Sheet No: _____ Line No: _____

2. Each independent functional test in Block D is to provide the fullest possible check of the operation of all parts of the system that could have been affected by the Maintenance task which necessitates the Independent Inspection.

3. If a supervisor specifying an Independent Inspection for correct assembly and functional test finds that a previous task has already called up a functional test identical in every respect to their requirement, they need only record their SNOW, M1/M2 or M4 sheet number and entry number in the left hand column of Field 1 Block D against the existing functional test specified, eg 0120/2/3 signifies SNOW 0120 Sheet No. 2 and Entry No. 3.

4. Before specifying a multi-trade Independent Inspection for correct assembly and functional test, the authorized person is to consult a similarly authorized person of the appropriate trade on the content of the functional test. The consulted authorized person is to complete the 'Certificate of Agreement - Multi-trade Independent' block. Unused agreement blocks are to be struck through. When authorized to specify outside their own trade, the authorized person is to sign for each trade separately.

5. Should the specifier find that the M1, M2 or M4 is unsuitable for their needs, they are to raise a MOD Form 707C(Ind) and complete Field 1 Block A of that form with a cross reference to the originally raised M1, M2 or M4. They are to strike through Fields 1 to 4 of Block C of the 707C-M1, M2 or M4, enter in Field 1 of Block B a cross reference to the 707C(Ind), then strike through Fields 2 and 3 and complete the signature Block at Field 4 of the 707C-M1, M2 or M4.

6. If the Independent check/functional test has failed:

(1) Make a new entry detailing the fault and remedial work on the parent Maintenance Work Order.

(2) Complete the transfer cross-reference box.