

# Instructions for Use

MOD Form 798(C17A)

(Revised Dec 20)

Sheet 1 of 2

PPQ = 20

## Maintenance and Component Replacement Control Document

### Introduction

1. The Maintenance and Component Replacement Control Document (M&CRCD) compiled as stated in Paragraph 2 below, is to be used to control and forecast Scheduled and Out Of Phase Maintenance and Component replacements applicable to C17A Globemaster aircraft. It also provides data for completion of maintenance and equipment documents.

2. **Contents.** The Maintenance and Component Replacement Control Document consists of:

- |                         |   |
|-------------------------|---|
| a. MOD Form 798(C17A)   | Instructions for Use.                                     |
| b. MOD Form 798B(C17A)  | Amendment Record.   |
| c. MOD Form 728B(C17A)  | Component Life Register.                                  |
| d. MOD Form 728(C17A)   | Component Replacement Record.                             |
| e. MOD Form 728LR(C17A) | Life Raft Replacement Record.                             |
| f. MOD Form 728FE(C17A) | Fire Extinguisher Replacement Record.                     |
| g. MOD Form 728X(C17A)  | Explosive Component Replacement Record.                   |
| h. MOD Form 727(C17A)   | Scheduled and Out of Phase Maintenance Register (SOOPMR). |
| i. MOD Form 727F(C17A)  | SOOPMR Supplementary Task Register.                       |
| j. MOD Form 727E(C17A)  | SOOPMR Record.  |
| k. MOD Form 727C        | Supplementary Maintenance Register.                       |
| l. MOD Form 727D        | Supplementary Maintenance Record.                         |
| m. MOD Form 728A        | Component Replacement Record - High Frequency Items.      |

3. **Description of Forms.** The following paragraphs amplify the forms listed above.

a. **Amendment Record (MOD Form 798B(C17A)).** The amendment record is to be used to indicate the Amendment state of the MOD Form 700, Section 7 and details of any interim supplements incorporated. The person incorporating the amendment, or supplement, is to enter the details in the

relevant block. Where a T.O. 1C-17A-6 amendment has no effect on Section 7, the amendment record is to be completed with "IC-17A-6 only" entered in the 'Date of Incorporation' column. When a new sheet is raised any outstanding supplements are to be transferred to the new sheet, before the old sheet is removed.

b. **Component Life Register (MOD Form 728B(C17A)).** The Component Life Register (CLR) lists lifed aircraft components and details occasions when they are to be changed. It is to be compiled from T.O.1C-17A-6, Chapter 3. To make control and tracking easier components are to be grouped together under their Life Measurement Units (LMUs) eg flying hours, calendar time etc. Each individual entry is to be identified using the T.O.1C-17A-6 S/S/SN system and paragraph number as the CLR code.

**Note:** All engine lifed components are monitored by the C17 Engine Management Branch located at Charleston AFB, USA. There is no requirement for these items to be listed on the MOD Form 728B(C17A).

c. **Component Replacement Record (MOD Form 728(C17A)).** This record gives details of components fitted to a particular aircraft as listed in the associated CLR. When components are changed, information extracted from this form is to be stated on the Equipment Conditioning Label (MOD Form 731). If an item is extended, the entry in the 'Due at' column is to be struck through and the SNOW and "Extended to" entered in the relevant columns using RED INK.

d. **Life Raft Replacement Record (MOD Form 728LR(C17A)).** This form is to be used in place of the MOD Form 728(C17A) for Life Raft Containers.

e. **Fire Extinguisher Replacement Record (MOD Form 728FE(C17A)).** This form is to be used in place of the MOD Form 728(C17A) for Fire Extinguisher Containers.

f. **Explosive Component Replacement Record (MOD Form 728X(C17A)).** This form is to be used in place of the MOD Form 728(C17A) for Explosive Components and is to be used as follows:

(1) One form is to be raised for each type of Explosive Component.

(2) If an item is extended the entry in the 'Due at' column is to be struck through and the SNOW and 'Extended to' entered in the relevant columns using RED INK.

g. **Scheduled and Out of Phase Maintenance Register (SOOPMR (MOD Form 727(C17A))**). The SOOPMR lists all scheduled and out of phase maintenance items having a defined periodicity as detailed in T.O.1C-17A-6. All details of Fleet Maintenance and Heavy Fleet Maintenance as listed in T.O 1C-17A-6, Chapter 3 are to be included. All scheduled and OOPs maintenance listed in calendar days or years. Each individual entry is to be identified using the T.O.1C-17A-6 S/S/SN system and paragraph number as a SOOPMR code. Items are not to be grouped together based on LMUs as each item can be carried out independently of all others.

h. **SOOPMR Supplementary Task Register (MOD Form 727F(C17A))**. T.O. 1C-17A-6 is the definitive publication for all C17 scheduled maintenance and CLRs, not just UK based aircraft and therefore will not be amended for UK only requirements. To this end all SI(T), scheduled maintenance and CLRs that are a MAM-P/C17 DT/Unit/Sqn requirement **AND** are in phase with scheduled maintenance as detailed in the SOOPMR are to be registered on this form. Each task is to be forecast in the SOOPMR entry that it is aligned to, not a date.

i. **SOOPMR Record (MOD Form 727E(C17A))**. The SOOPMR Record is to be used to control all SOOPMR and SOOPMR Supplementary Tasks. A separate sheet is to be used for 'Fleet Maintenance', 'Heavy Fleet Maintenance' and 'SOOPMR Supplementary Tasks'. The date due for Home Station Checks (HSC) shall ONLY have a date for the next scheduled HSC entered with all other HSC date entries left blank. If an item is extended, the 'Due at' column is to be struck through and the SNOW entered in the SNOW column using RED INK. The revised "Due at" is then to be entered in the next 'Due at' column using RED INK.

j. **Supplementary Maintenance Register (SM Register (MOD Form 727C))**. The SM Register is to be used to register all non T.O. IC-17A-6 controlled maintenance activities eg SI(T), ALTI etc, which are out-of-phase with scheduled maintenance listed in the SOOPMR.

(1) The SM Register LMU Block is provided to detail the LMU concerned, eg flying hours, calendar time, landings etc. The LMU block is only to be completed when all entries on the SM Register refer to a common LMU.

(2) Compilation of the form is the responsibility of Unit Management.

(3) All entries must be qualified by a maintenance activity designation eg SI(T), 703/704, Unit/Sqn instruction etc) which must always appear in the 'Authority' column.

#### Notes.

1. On NO Account are Local CLR No/OOP codes to be allocated.

2. All Unit/Sqn instructions must be formally registered and are to be listed in the 'Authority' Column eg 703, 704, ALTI etc (an individual's rank or post

is not to be used in the 'Authority' column). Where maintenance activities are at Flight Servicing frequency they are to be called up on MOD Form 705(SSR)-Supplementary Flight Servicing Register.

3. Where maintenance activities are in phase with scheduled maintenance they are to be called up on MOD Form 727F(C17A) SOOPMR Supplementary Task Register.

k. **Supplementary Maintenance Record (SM Record (MOD Form 727D))**. The SM Record is to be positioned opposite, and in conjunction with the SM Register to control all non T.O. 1C-C17A-6 activities that are not recorded on the SOOPMR. A 'Strike Off' facility is provided to permit the form to be used to control high or low frequency activities. If an item is extended, the 'Due at' column is to be struck through and the SNOW entered in the 'SNOW' column using RED INK. The revised 'Due at' is then to be entered in the next 'Due at' column using RED INK.

l. **Component Replacement Record-High Frequency Items (MOD Form 728A)**. This form is provided for items which require replacing at high frequency and is to be used as follows:

(1) One form is to be raised for each component requiring high frequency replacement.

(2) The form is to be placed facing the relevant Component Replacement Record.

(3) The Component Replacement Record is to be annotated 'See MOD Form 728A' opposite the CLR No to which it refers.

(4) If an item is extended the entry in the 'Due at' column is to be struck through and the SNOW and "Extended to" entered in the relevant columns using RED INK.

## Preparation and Use of the Document

4. **Preparation.** The document is to be prepared as follows:

a. Enter the aircraft serial number on each Record, Register and Log sheet.

b. Complete each Register as described in Paragraph 3.

c. Complete columns of the relevant records, ie MOD Form 727 or 728 series, as required.

d. After every HSC and Heavy Fleet Maintenance the M&CRCD is to be reviewed and all entries that fall within the Short Forecast Limit date are to be transferred to the MOD Form 700, Section 5, Short Forecast(MOD Form 721B).

**Note.** The Short Forecast Limit date is to be calculated as 90 days, 200 flying hours & 100 cycles from date of the last MOD Form 700 Husbandry Quality Assurance Check.

5. **Use.** The document is to be used in the following manner by the MOD Form 700 or Maintenance Work Order Co-ordinator, as appropriate:

a. The aircraft is to be placed unserviceable by raising a Maintenance Work Order whenever any date on the Short Forecast indicates any scheduled maintenance, CLR or SMR is due. The relevant 'due at' date on the appropriate record is to be struck through and the SNOW of the Work Order is to be entered in the SNOW column.

b. Re-forecast the affected activity when the appropriate Work Order has been completed ensuring the same date is entered on the Short Forecast (MOD Form 721B).

c. Whenever a SM Register activity is no longer required eg MOD Form 704 entry no longer valid, is eliminated or cancelled, delete the entry by overwriting with the SNOW, which cleared the work or the authority for deletion.

6. **Amendment to the Maintenance and Component Document.** Amendment to the CLR/SOOPMR will normally be effected by the replacement of sheets. An item affected by amendment will be indicated by arrowheads in the margin adjacent to the amended text with a reference to the T.O 1C-17A-6 change or supplement as detailed on the Amendment Record (MOD Form 798B(C17A)).