Instructions For Use

Power Check Record Sheet - MOD Format 711(GOLDesp) and MOD Form 711(Merlin)

Power Check Record Sheet - MOD Format 711(GOLDesp)

1. The power Check Record is held and updated within the GOLDesp database in accordance with JAP(D)100A-0409-1 Ch 2.2.16. A Power Check Record Sheet (MOD Format 711(GOLDesp)) is to be used to produce a graphical trend chart of engine performance.

2. On Merlin, the Power Performance Index (PPI) calculations are performed by the Aircraft Management System (AMS). In order to create a new record it is necessary to populate a number of fields, some of which are not recorded by the AMS. GOLDesp will not allow a new Power Check Record to be created if these fields are left blank. When creating a new GOLDesp PPI Power Check Record the dummy figures in **Table 1** are to be entered.

Table 1

Field	Figure
ECU Torque (%)	50
PTIT T6 (°C)	200
Ng/Nh (%)	50
Turbine Speed/Fuel Flow/NR (%)	50
Altitude (feet)	0
Outside Air Temperature (°C)	0
PTIT-T6 Correction Factor	0
Ng/Nh Correction Factor	0

GOLDesp Off-line Operating Procedure - use of the MOD Form 711(Merlin)

3. Recorded figures are to be entered onto the MOD Form 711(Merlin). Previous figures from the MOD Format 711(GOLDesp) can be entered onto the chart of the MOD Form 711(Merlin) as required but all future recorded values are to be held on the MOD Form 711(Merlin) until GOLDesp is back online, allowing renewed use of the MOD Format 711(GOLDesp).

4. The end columns of the MOD Form 711(Merlin) are to be used to record the corrected PTIT/T6 and Ng which have been calculated for plotting on the graph. Columns not used are to be crossed through with a diagonal line.

5. Points are to be plotted on the graph using the legend shown at the bottom of the sheet.

6. Scaling of the ‘Engine Running Hours’ and ‘Power Turbine Inlet Temperature’ axis is to be carried out by user units as required.