

EFFECTIVE DATE: 11 MAY 1987

SUBJECT: CONTROL SYSTEMS - DUPLICATE INSPECTIONS

1. INTRODUCTION

- 1.1 This chapter prescribed the procedures for duplicate inspections of control systems in aircraft namely flying controls, engine controls and associated control systems, the failure of which could jeopardise the safety of aircraft and its passengers.

2. DEFINITIONS

- 2.1 Control systems - a system by which the flight path, the attitude or propulsive force of an aircraft is changed, including the flight, engine and propeller controls, the related system controls and the associated operating mechanisms.
- 2.2 Duplicate inspection - an inspection which is first made and certified by one appropriately licensed/approved/authorised person and subsequently made and certified by another appropriately licenced/approved or authorised person.

3. PROCEDURES

- 3.1 Duplicate inspection of control systems in aircraft shall be made after initial assembly and before the first flight after overhaul repair, replacement, modification or adjustment.
- 3.2 The duplicate inspection shall be the final operation to establish the integrity and correct functioning of the control systems when all the work has been completed. It will also include verification that full, free and correct movement of controls is obtained throughout the control

system, relative to the movement of controls from within the aircraft and that the control systems are correctly secured.

3.3 In some aircraft control systems it may not be possible after a complete assembly to inspect all parts because certain sections may have been progressively sealed off. In such cases, the condition, security and correct function of the covered portion of the system shall be established by the persons mentioned in para 3.4 below. If after the second check the control systems are disturbed in any way before the first flight, that part of the system which had been disturbed shall be rechecked, in duplicate by persons mentioned in para 3.4 below, before the aircraft flies.

3.4 The following persons may carry out the first and/or second part of duplicate inspections for the purpose of complying with the above requirements:

1. Appropriately licensed aircraft maintenance engineers
2. Persons approved for carrying out such inspections in an approved organisation
3. Persons specially authorised by the Director of Civil Aviation to carry out such inspections.

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(Date of Issue)

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(for Director of Civil Aviation)