Title: Flight Simulation of HS-748 with and without rotodome
Part-4: Handling Qualities and Dynamic Responses

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Sponsor: ASWAC

Approval: Head. Flight Mechanics & Controls Division

No. of copies: 25

Document No.: PD-FC-9004
Date of issue: March 1990

Contents: Pages: 26
Tables: 4
Figures: 11

NAL Project No.: SE 0'146

Sponsor's Project No.: ASWAC/52

Keywords: Flight Simulation, Mathematical Modelling, Aircraft Unconventional Configuration Modelling, Dynamic Responses

Abstract: The mathematical and data used in off-line simulation of the rotodomed aircraft have been described in detail in Part-1. The issue related to the Rolls Royce Engine simulation studies have been presented in Part-2. The formulation of the aerostatic model and its verification has been discussed in Part-3. In this report, the results of the handling qualities and dynamic responses of both the basic and the AEW are presented. The results are discussed within the proposed restricted c.g. envelope and speed limits of AEW.