National Aerospace Laboratories

Class	Unrestricted
No. of Copies	20

Title   *RCS Prediction Techniques for Helicopter like Hovering Platforms*

Author/s   J Sunithamma, R M Jha

Division   ALD

NAL Project No: A 8 602

Document No.   PD AL 0410

Date of issue   September 2004

Contents   25 Pages   10 Figures   x Tables   18 References

External Participation   Nil

Sponsor   x

Approval   Head, ALD   *[signature]*

Remarks   x

Keywords   *Helicopter, Hovering Platforms, Radar Cross Section (RCS) Studies, RCS Reduction, Shaping, RAM, RCS Prediction*

Abstract

The radar cross section (RCS) prediction techniques of helicopter like hovering platforms have been identified in this report. The importance of RCS reduction in the technology of low-observables is also discussed. The role of shaping and radar absorbing materials (RAM) of the aerospace bodies has been surveyed with the specific aim of achieving low RCS. Literature survey has been carried out on various low frequency, high frequency, and hybrid techniques for the prediction of RCS.