
Preface

This study is a distillation of four technical reports prepared by Dynacon Enterprises Ltd. for the Verification Research Program of External Affairs and International Trade Canada over the period 1 April 1987–31 March 1991.

The author is the founder and chairman of Dynacon Enterprises Ltd.

Acknowledgements

The genesis of this line of inquiry, in which the vexed issue of international agreements on control and verification of space "weapons" is approached rationally by a quantitative analysis of the potential harm one satellite can wreak on another, first occurred in the mind of Peter Stibrany, while on secondment in 1987 from Spar Aerospace Ltd. to External Affairs. The idea was further enhanced by Gabriele D'Eleuterio (who wrote the winning technical proposal) and by Kieran Carroll, both of Dynacon Enterprises Ltd.

Subsequent technical contributions at Dynacon have also been made by Wayne Sincarsin, Donald McTavish, and the present author. The new keep-out zone concept featured in this paper is due to Don McTavish. The primary managerial responsibility at Dynacon has fallen to its president, Glen Sincarsin.

The energizing force behind this work, and the keeper of the purse, was Lt Col F.R. (Ron) Cleminson, Head of the Verification Research Unit within the Arms Control and Disarmament Division of External Affairs and International Trade Canada. He was ably assisted in the technical monitoring of this work by Jeffrey Tracey. Alan Crawford's many editorial suggestions were also very helpful.