

bomber and air-launched cruise missile threat, or weather observation), and would offer some or all of the data that that produced in exchange for relevant material produced by the counterpart US system. However, the costs might be very high, especially since an effective network might entail the deployment of up to a dozen or more Canadian satellites. And, once embarked on the path of developing a national military space network, Canada would have to commit itself -- if the policy were to make any sense in the long term -- to developing, deploying and financing future generations of satellites embodying the latest trends in technology. Moreover, no one knows at present just how many surveillance satellites, or what kind, would be needed to fill Canada's particular national needs as well as its continuing requirements with respect to the broader aerospace tasks involved in defending this continent.

The development and deployment of even a first generation network of effective military surveillance satellites is still more than a decade away. Many technical problems have still to be overcome, and then difficult decisions have to be made about precise requirements, command arrangements, financing and other critical issues. The costs cannot be estimated with any precision at this point, though various sources have mentioned figures ranging from \$4.5 billion for a network of eight to ten satellites to \$20 billion for a network of twenty satellites. All one can say with any certainty now is that Option One would surely be much cheaper than Options Two and Three because it would discontinue certain activities which recent Canadian governments have considered essential for maintenance of the nation's defence and sovereignty; whereas Options Two or Three would probably cost several hundred million dollars per annum in the early stages and probably even greater amounts later. All will depend on the objectives that the Canadian government sets out for itself in this area, and how it chooses to delimit appropriate activities for the Canadian defence effort in this area in relation to those of the United States.

When deciding on this issue, future Canadian governments will doubtless recognize that the demands of the Canadian-American relationship on both partners may weaken as the move towards space continues. Canadian cooperation may no longer be so