

ANNEX

(A) The Canadian Department of Energy, Mines and Resources (EMAR) and the U.S. National Aeronautics and Space Administration (NASA) desire to collaborate on a four-year joint experimental program in the field of experimental remote sensing from satellites and aircraft of environmental conditions at and near the surface of the earth.

(B) The objectives of this cooperative program are:

- (1) to advance the technology of remote sensing from spacecraft and aircraft as applied to the monitoring of environmental conditions (air, water, land and vegetation), the detection and delineation of areas of stress in crops and forests, and the mapping of the movements of ice and ocean currents in the waters contiguous to Canada and the United States, and
- (2) to carry out thematic mapping of such phenomena as geology, hydrology, vegetation and soils.

(C) Accordingly, to carry out this joint experimental program, EMAR will receive data from NASA's Earth Resources Technology Satellite (ERTS) from ground stations located within Canada and will handle and analyse such data at data handling and analysis centers in Canada. It is understood that the data acquired by the U.S.A. Earth Resources Experimental Package (EREP) on the Skylab mission will also be made available. It is further understood that ERTS data acquired by EMAR and NASA will be made available as soon as practicable to the international community.

(D) EMAR and NASA will bear the capital and operational costs of the ground readout stations and data handling and analysis centers to be used to support the program in their respective countries. There will be no exchange of funds between EMAR and NASA.

(E) As in the United States, test areas will be designated within Canada and EMAR agrees to exchange with NASA ground truth and aircraft data, and any reports on Canadian and U.S. test areas, as mutually agreed. Coordination and/or exchange of airborne test flights within designated test areas in the U.S. and Canada may be arranged as mutually agreed.

(F) It is intended that this program be implemented under the general direction of a senior official designated by EMAR and of a senior official designated by NASA.

(G) In addition, EMAR and NASA will each designate a program manager who will be responsible for coordinating the agreed functions and responsibilities of each agency with respect to the other. The program managers will be co-chairman of a joint working group whose members will be designated by EMAR and NASA. This group will be the principal mechanism for assuring the execution of the program and for keeping both sides informed of the program's status at each stage.

(H) Exchange of technical personnel will take place as mutually agreed.