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COMMITTEE ON THE PEACEFUL USES
OF OUTER SPACE

INFORMATION FURNISHED IN CONFORMITY WITH GENERAL ASSEMBLY
RESOLUTION 1721 B (XVI) BY STATES LAUNCHING OBJECTS INTO
ORBIT OR BEYOND

Letter dated 21 December 1973 from the Permanent Representative of
Canada addressed to the Chairman of the Committee on the Peaceful
Uses of Outer Space

In accordance with the provisions of paragraphs 1 and 2 of United Nations General Assembly resolution 1721 B (XVI), I enclose registration data concerning Canadian satellites, Anik I and II.

The form in which this information is presently submitted to Your Excellency is that prescribed in article III of the draft Convention on the Registration of Space Objects, as prepared by the Legal Sub-Committee of the Committee on the Peaceful Uses of Outer Space at its twelfth session (26 March-20 April 1973, document A/AC.105/115, page 10).

Accordingly, the enclosed submission restates and supplements the information submitted by the Permanent Representative of the United States of America in document A/AC.105/INF.267 of 18 January 1973 (in respect of Anik I, under international designation number 1972-90A) and document A/AC.105/INF.275 of 26 July 1973 (in respect of Anik II, under international designation number 1973-23A).

(Signed) S. F. RAE

REGISTRATION DATA ON CANADIAN SATELLITES ANIK I AND II

(a) Name of launching State or States

The United States of America and Canada (See article I of the draft registration convention for definition of "launching State".)

(b) Appropriate international designator or registration number

Anik I: 1972-90A

Anik II: 1973-23A

(c) Date and territory or facility of launch

Telsat Canada purchased launch services from the United States National Aeronautics and Space Administration, and Anik I and Anik II were launched by NASA from Cape Kennedy, Florida, U.S.A., on 10 November 1972, and 20 April 1973, respectively.

(d) Basic orbital parameters

(i) Nodal period

Anik I: 1436.0

Anik II: 1430.7

(ii) Inclination

Anik I: 0.1

Anik II: 0.1

(iii) Apogee

Anik I: 35791 Km

Anik II: 35709 Km

(iv) Perigee

Anik I: 35780 Km

Anik II: 35604 Km

(e) General function of the space object

Anik I and Anik II comprise the space segment of the Canadian satellite telecommunication system which is owned and operated by Telsat Canada, a private corporation in which the Government, telecommunications common carriers, and the public are authorized to hold shares. The satellites, located in geostationary orbit, act as space repeaters capable of receiving transmissions from earth stations and retransmitting them to other earth stations in Canada. The antenna coverage of the satellite provides the system with the capability of serving virtually all of Canada.

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Additional information

(i) Launch vehicle

Anik I: Delta
Anik II: Delta

(ii) Satellite category

Anik I: C
Anik II: C

(iii) Weight at lift off

Anik I: 1240.59 lb
Anik II: 1246.48 lb

(iv) Radio frequencies employed

Each satellite has 12 RF channels, two of which will be protection channels for the ten traffic carrying channels. Up-link transmission is in the 5.925 - 6.425 GHz band; and the down-link transmission operates in the 3.7 - 4.2 GHz band. Each RF channel is capable of transmitting a color television signal or up to 900 one-way voice channels.
