

**SECOND AMENDMENT TO THE
IMPLEMENTING AGREEMENT
BETWEEN**

**THE UNITED STATES NATIONAL OCEANIC AND
ATMOSPHERIC ADMINISTRATION**

AND

**THE
NORWEGIAN SPACE CENTRE**

ON COOPERATION IN

**SATELLITE TRACKING AND ENVIRONMENTAL
DATA ACQUISITION AND UTILIZATION**

PREAMBLE

The United States National Oceanic and Atmospheric Administration (NOAA), and the Norwegian Space Centre (NSC), hereinafter referred to as “the Parties”;

RECALLING the Agreement Between the United States of America and the Kingdom of Norway for Cooperation in the Civil Uses of Outer Space of October 20, 2000 and November 14, 2001, as extended on October 23, 2006 (“the Intergovernmental Agreement”), and the designation therein of NOAA and NSC as implementing agencies under the Intergovernmental Agreement on behalf of their respective governments;

RECALLING the Implementing Agreement between NOAA and NSC on Cooperation in Satellite Tracking and Environmental Data Acquisition and Utilization of March 26 and April 2, 2002 and the Amendment to the Implementing Agreement concluded November 28, 2008 (together, the “Implementing Agreement, as amended”) which provide for the utilization of Svalsat Station and several other ground stations in support of Earth observation and environmental satellite programs of interest to NOAA;

TAKING INTO ACCOUNT that NSC, through Kongsberg Satellite Services AS (KSAT), has developed and is developing additional ground station capability at various locations around the globe;

TAKING INTO ACCOUNT that a number of these ground station locations are useful for data acquisition and Telemetry, Tracking and Command (TT&C) services from both polar-orbiting and low-inclination satellites;

NOTING that the Intergovernmental Agreement provides for cooperative programs to be undertaken pursuant to specific terms and conditions as set forth in implementing arrangements;

WISHING to confirm the desire of NOAA and NSC to expand the cooperation pursuant to the Implementing Agreement, as amended, for new circumstances;

HAVE AGREED AS FOLLOWS:

ARTICLE 1

The Implementing Agreement, as amended, is further amended as follows:

- I. Article 1.1 is replaced with the following:

“1.1 NSC GROUND STATIONS

This Implementing Agreement (“Agreement”) provides for cooperation between the Parties in the area of satellite tracking and environmental data acquisition and utilization, from any ground station accessible by NSC through KSAT (“NSC ground stations”), in support of Earth observation and environmental satellite programs of interest to NOAA. Initially, the satellite programs of interest will include the Suomi National Polar-orbiting Partnership (S-NPP) and Joint Polar Satellite System (JPSS) satellites, the Constellation Observing System for Meteorology, Ionosphere, and Climate (COSMIC) satellites and the COSMIC-2 satellites, as mutually determined. The Parties agree that other satellite programs of interest may be supported pursuant to this Agreement, as mutually determined in writing.

The details concerning specific satellite programs of interest and specific NSC ground stations will be described in separately developed Program Implementation Plans, per Article 2.3.2.”

2. Article 2.1.3 is replaced with the following:

“2.1.3. COORDINATION WITH THE NORWEGIAN GOVERNMENT AND OTHER BODIES

NSC shall be responsible for coordination with all Norwegian government agencies and international organizations as required to implement this Agreement, as well as with other NSC ground station tenants. This coordination will include, but not be limited to, the following bodies:

- The Norwegian Government and its agencies
- The Governor of Svalbard and related local offices
- The International Telecommunication Union (ITU)
- Other National or International bodies as appropriate
- The tenants of any of the NSC ground stations

3. Article 2.3.2 is replaced with the following:

“2.3.2 PROGRAM IMPLEMENTATION PLANS

This Agreement may be implemented in phases. The Parties will develop one or several Program Implementation Plans (PIP) pursuant to this Agreement. Each PIP will constitute a work plan and will provide, at a minimum:

- (a) the satellite program or programs of interest to be covered by the PIP,
- (b) the joint management structures and points of contact,
- (c) a work breakdown structure which identifies, as appropriate, specific NSC ground stations, project phases, technical specifications, operational requirements and procedures,
- (d) detailed requirements and delivery schedules related to the provision of any equipment, data software, information technology security, services or facilities,
- (e) a list of deliverables and project milestones, and
- (f) the procedures for change requests or change proposals to the PIP.

4. Article 10. 1 is replaced with the following:

“10.1 ENTRY INTO FORCE AND DURATION

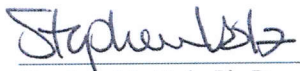
This Agreement shall enter into force upon signature of both Parties and, provided that the Intergovernmental Agreement remains in force, shall remain in force until the end of the operational life of any satellite for which cooperative activities under this Agreement are initiated by the Parties. The Parties will review the Agreement every five years to determine whether it should be revised or canceled. The Parties will consult as appropriate in the event the Intergovernmental Agreement is not extended, with a view towards continued cooperation.

ARTICLE 2

This Amendment shall enter into force upon the signature of both Parties.

IN WITNESS WHEREOF, the undersigned, being duly authorized, have signed this Amendment to the Implementing Agreement.

FOR THE
NATIONAL OCEANIC AND
ATMOSPHERIC ADMINISTRATION:



Stephen M. Volz Ph.D.
Assistant Administrator for Satellite
and Information Services

DATE: 8/16/2016

FOR THE
NORWEGIAN SPACE CENTRE:



Bo N. Andersen
Director General

DATE: 29/8-2016