



**Secretariat**

Distr.: General  
12 November 2012

Original: English

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**Committee on the Peaceful  
Uses of Outer Space**

**Information furnished in conformity with the Convention  
on Registration of Objects Launched into Outer Space**

**Note verbale dated 24 November 2011 from the Permanent  
Mission of Italy to the United Nations (Vienna) addressed  
to the Secretary-General**

The Permanent Mission of Italy to the United Nations (Vienna) presents its compliments to the Secretary-General of the United Nations and, in accordance with article IV of the Convention on Registration of Objects Launched into Outer Space (General Assembly resolution 3235 (XXIX), annex), has the honour to transmit information on Italian space objects COSMO-SkyMed 4 and EDUSAT\_IT (see annex).



## Annex

### Registration data on space objects launched by Italy\*

#### COSMO-SkyMed 4

Name of space object:	COSMO-SkyMed 4
Name of launching State:	Italy
Satellite owner:	Italian Space Agency and Italian Ministry of Defence
Date and location of launch:	6 November 2010 at 0220 hrs UTC Vandenberg Air Force Base, California, United States of America
Launch vehicle:	Boeing Delta II
Basic orbital parameters:	
Nodal period:	97 minutes 13 seconds
Inclination:	97.86 ± 0.05 degrees
Apogee:	627.7 kilometres
Perigee:	611.1 kilometres
Nominal geographical longitude (if applicable):	Not applicable
General function:	<p>COSMO-SkyMed 4 completes the constellation of the Italian Earth-observation dual-use satellite system built for civil and military purposes.</p> <p>Each satellite is equipped with an X-band synthetic aperture radar instrument for environmental monitoring, resource management and surveillance applications, and is capable of observing the ground in daylight or darkness, under clear or cloudy skies.</p> <p>The constellation of four satellites enables any specific region of the planet to be observed by COSMO-SkyMed on an average of every six hours. This capability allows authorities to make an assessment and begin responding when a crisis strikes. The satellites have proved themselves to be beneficial to humanitarian organizations responding to natural disasters, such as hurricanes, floods, sea pollution events, earthquakes, etc.</p>

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\* The registration data are reproduced in the form in which they were received.

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## EDUSAT\_IT

Name of space object:	EDUSAT_IT
Name of launching State:	Italy
Satellite owner:	Italian Space Agency
Date and location of launch:	17 August 2011 at 0712 hrs UTC Yasny (Dombrovsky) Launch Base, Russian Federation
Launch vehicle:	Dnepr
Basic orbital parameters:	
Nodal period:	98 minutes 12 seconds
Inclination:	98.26 degrees
Apogee:	697 kilometres
Perigee:	641 kilometres
Nominal geographical longitude (if applicable):	Not applicable
General function:	<p>EDUSAT_IT is an educational microsatellite for scientific experiments and technological tests in orbit. It was manufactured by the Group of Astrodynamics of La Sapienza University of Rome, under the coordination of the Italian Space Agency.</p> <p>The nominal lifetime of the satellite is two years. At the end of its operational lifetime, EDUSAT_IT is designed to automatically increase its area-to-mass ratio for deorbiting purposes, as recommended in the Space Debris Mitigation Guidelines of the Committee on the Peaceful Uses of Outer Space.</p>