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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****Letter dated 30 October 2014 from the Legal Services Department  
of the European Space Agency addressed to the Secretary-General**

In conformity with the Convention on Registration of Objects Launched into Outer Space (General Assembly resolution 3235 (XXIX), annex), the rights and obligations of which the European Space Agency (ESA) has declared its acceptance of, the Agency has the honour to transmit information on space objects Sentinel-1A and ATV-5, which were put into orbit within the past seven months (see annex).

The Agency has the further honour to note that with effect from 28 October 2014, the date of signature of the Agreement between the European Union, Represented by the European Commission, and the European Space Agency on the Implementation of the Copernicus Programme, Including the Transfer of Ownership of Sentinels, the Agency has transferred the ownership of Sentinel-1A to the European Union.

*(Signed)***Marco Ferrazzani**ESA Legal Counsel and  
Head of the Legal Services Department

## Annex

### **Registration data on space objects launched by the European Space Agency\***

#### **Sentinel-1A**

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

Committee on Space Research international designator:	2014-016A
Name of space object:	Sentinel-1A
State of registry:	European Space Agency (ESA)
Date and territory or location of launch	
Date of launch:	3 April 2014 at 2102 hours UTC
Territory or location of launch:	Soyuz Launch Complex, Kourou, French Guiana
Basic orbital parameters (at epoch 27 October 2014, 1816 hours 27 seconds UTC)	
Nodal period:	98.68 minutes
Inclination:	98.18 degrees
Apogee:	696.96 kilometres
Perigee:	694.85 kilometres
General function of space object:	Sentinel-1A is the first of a new fleet of satellites central to Europe's Copernicus programme, with the prime objectives of land and ocean monitoring. The satellite carries advanced C-band synthetic aperture radar (SAR) to provide all-weather, day-and-night images of the Earth's surface and provides for C-band SAR data continuity following ERS-2 and Envisat missions of ESA. It will be complemented by Sentinel-1B to form a constellation orbiting 180 degrees apart, covering the Earth every six days. The mission will benefit numerous services and applications. The ownership of Sentinel-1A was transferred from ESA to the European Union with effect from 28 October 2014, the date of signature of the Agreement Between the European Union, represented by the European Commission, and the European Space Agency on the Implementation of the Copernicus Programme, Including the Transfer of Ownership of Sentinels.

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\* The information was submitted using the form prepared pursuant to General Assembly resolution 62/101 and has been reformatted by the Secretariat.

### **Additional voluntary information for use in the Register of Objects Launched into Outer Space**

Change of supervision of the space object

Date of change of supervision:	28 October 2014 UTC
Identity of the new owner or operator:	European Union

### **Automated Transfer Vehicle 5 (ATV-5) “Georges Lemaitre”**

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

Committee on Space Research international designator:	2014-044A
Name of space object:	Automated Transfer Vehicle 5 (ATV-5) “Georges Lemaitre”
State of registry:	ESA
Date and territory or location of launch	
Date of launch:	29 July 2014 at 2347 hours UTC
Territory or location of launch:	Guiana Space Centre, Kourou, French Guiana
Basic orbital parameters (at epoch 12 August 2014, 1209 hours 23 seconds UTC, upon docking with the International Space Station (ISS))	
Nodal period:	92.86 minutes
Inclination:	51.65 degrees
Apogee:	419.58 kilometres
Perigee:	410.27 kilometres
General function of space object:	ATV-5 “Georges Lemaitre” is the fifth ESA automated transfer vehicle. The 11-ton, 10.3-by-4.5-metre vehicle can carry 6.5 tons of additional cargo and dock automatically with ISS. After its launch on 29 July 2014, ATV-5 performed an approach phase before docking successfully with ISS on 12 August 2014. It can remain docked for six months before undocking, deorbiting and burning up in the Earth’s atmosphere during its guided and controlled re-entry. ATV-5 is the last ATV mission.