

**General Assembly**

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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**

**Note verbale dated 5 December 2005 from the Permanent Mission  
of Luxembourg to the United Nations (Vienna) addressed to the  
Secretary-General**

The Permanent Mission of Luxembourg to the United Nations (Vienna) presents its compliments to the Secretary-General and has the honour to transmit, in accordance with paragraph 1 of General Assembly resolution 1721 B (XVI) of 20 December 1961, information concerning space objects operated by the Société Européenne des Satellites (SES-ASTRA) (see annex), which has its headquarters in Luxembourg. The information relates to space objects launched into outer space only in connection with audio-visual activities and not in connection with space activities having other purposes.



## Annex

### **List of space objects operated by the Luxembourg company Société Européenne des Satellites and located in the orbits allocated to Luxembourg at 19.2, 28.2 and 23.5 degrees East\***

1. Name of space object: ASTRA 1A  
Launch date: December 1988  
Launched from: Kourou  
Decommission date: 10 December 2004  
Launcher: Ariane  
Owner of object: SES-ASTRA  
Orbital characteristics: The satellite is in a graveyard orbit, at a perigee of 400 km above the geostationary orbit.
  
2. Name of space object: ASTRA 1B  
Launch date: March 1991  
Launched from: Kourou  
Launcher: Ariane  
Owner of object: SES-ASTRA  
Orbital characteristics:  
Nodal period: 1,435.8 to 1,436.4 minutes  
Longitude: 19.2 degrees East  
Maximum inclination: 0.12 degrees  
Apogee: 35,820 km  
Perigee: 35,752 km  
General purpose of object: Transmission, encrypted and unencrypted, of analog and digital radio, television and multimedia data services.
  
3. Name of space object: ASTRA 1C  
Launch date: May 1993  
Launched from: Kourou  
Launcher: Ariane  
Owner of object: SES-ASTRA

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

- Orbital characteristics:  
 Nodal period: 1,435.8 to 1,436.4 minutes  
 Longitude: 19.2 degrees East  
 Maximum inclination: 0.12 degrees  
 Apogee: 35,820 km  
 Perigee: 35,752 km
- General purpose of object: Identical to that of ASTRA 1B
4. Name of space object: ASTRA 1D  
 Launch date: November 1994  
 Launched from: Kourou  
 Launcher: Ariane  
 Owner of object: SES-ASTRA
- Orbital characteristics:  
 Nodal period: 1,435.8 to 1,436.4 minutes  
 Longitude: 23.5 degrees East  
 Maximum inclination: 0.10 degrees  
 Apogee: 35,820 km  
 Perigee: 35,752 km
- General purpose of object: Transmission, encrypted and unencrypted, of analog and digital radio, television and multimedia data services.
5. Name of space object: ASTRA 1E  
 Launch date: October 1995  
 Launched from: Kourou  
 Launcher: Ariane  
 Owner of object: SES-ASTRA
- Orbital characteristics:  
 Nodal period: 1,435.8 to 1,436.4 minutes  
 Longitude: 19.2 degrees East  
 Maximum inclination: 0.12 degrees  
 Apogee: 35,820 km  
 Perigee: 35,752 km
- General purpose of object: Identical to that of ASTRA 1D

6. Name of space object: ASTRA 1F  
Launch date: April 1996  
Launched from: Baikonur  
Launcher: Proton  
Owner of object: SES-ASTRA  
Orbital characteristics:  
Nodal period: 1,435.8 to 1,436.4 minutes  
Longitude: 19.2 degrees East  
Maximum inclination: 0.12 degrees  
Apogee: 35,820 km  
Perigee: 35,752 km  
General purpose of object: Identical to that of ASTRA 1D
7. Name of space object: ASTRA 1G  
Launch date: December 1997  
Launched from: Baikonur  
Launcher: Proton  
Owner of object: SES-ASTRA  
Orbital characteristics:  
Nodal period: 1,435.8 to 1,436.4 minutes  
Longitude: 19.2 degrees East  
Maximum inclination: 0.12 degrees  
Apogee: 35,820 km  
Perigee: 35,752 km  
General purpose of object: Identical to that of ASTRA 1D
8. Name of space object: ASTRA 2A  
Launch date: August 1998  
Launched from: Baikonur  
Launcher: Proton  
Owner of object: SES-ASTRA  
Orbital characteristics:  
Nodal period: 1,435.8 to 1,436.4 minutes  
Longitude: 28.2 degrees East  
Maximum inclination: 0.10 degrees

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- Apogee: 35,820 km  
Perigee: 35,752 km
- General purpose of object: Identical to that of ASTRA 1D
9. Name of space object: ASTRA 1H  
Launch date: June 1999  
Launched from: Baikonur  
Launcher: Proton  
Owner of object: SES-ASTRA  
Orbital characteristics:  
Nodal period: 1,435.8 to 1,436.4 minutes  
Longitude: 19.2 degrees East  
Maximum inclination: 0.12 degrees  
Apogee: 35,820 km  
Perigee: 35,752 km
- General purpose of object: Identical to that of ASTRA 1D
10. Name of space object: ASTRA 2B  
Launch date: September 2000  
Launched from: Kourou  
Launcher: Ariane 5  
Owner of object: SES-ASTRA  
Orbital characteristics:  
Nodal period: 1,435.8 to 1,436.4 minutes  
Longitude: 28.2 degrees East  
Maximum inclination: 0.10 degrees  
Apogee: 35,820 km  
Perigee: 35,752 km
- General purpose of object: Identical to that of ASTRA 1D
11. Name of space object: ASTRA 2D  
Launch date: December 2000  
Launched from: Kourou  
Launcher: Ariane 5  
Owner of object: SES-ASTRA  
Orbital characteristics:  
Nodal period: 1,435.8 to 1,436.4 minutes

- Longitude: 28.2 degrees East  
Maximum inclination: 0.10 degrees  
Apogee: 35,820 km  
Perigee: 35,752 km
- General purpose of object: Identical to that of ASTRA 1D
12. Name of space object: ASTRA 2C  
Launch date: June 2001  
Launched from: Baikonur  
Launcher: Proton  
Owner of object: SES-ASTRA  
Orbital characteristics:  
Nodal period: 1,435.8 to 1,436.4 minutes  
Longitude: 19.2 degrees East  
Maximum inclination: 0.12 degrees  
Apogee: 35,820 km  
Perigee: 35,752 km
- General purpose of object: Identical to that of ASTRA 1D
13. Name of space object: ASTRA 3A  
Launch date: March 2002  
Launched from: Kourou  
Launcher: Ariane 4  
Owner of object: SES-ASTRA  
Orbital characteristics:  
Nodal period: 1,435.8 to 1,436.4 minutes  
Longitude: 23.5 degrees East  
Maximum inclination: 0.10 degrees  
Apogee: 35,820 km  
Perigee: 35,752 km
- General purpose of object: Identical to that of ASTRA 1D

*Note:* Frequency usage rights for this satellite are held by Deutsche Telekom (formerly DFS Kopernikus).

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