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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 5 January 2005 from the Permanent Mission of  
Japan to the United Nations (Vienna) addressed to the Secretary-  
General**

The Permanent Mission of Japan 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 concerning the launching of the Japanese satellites MUSES-C, BSAT-2c, CUTE-I, Pico-Satellite X1, and SERVIS-1 (see annex).

The Permanent Mission of Japan has the further honour to transmit information concerning the satellite Ohsumi, which ceased to exist in orbit.



**Annex****Registration data for Japanese space launches\*****A. MUSES-C**

1. Name of flight object: Twentieth scientific spacecraft, Engineering Demonstration Spacecraft (MUSES-C) "Hayabusa"
2. Designation: 2003-019A
3. Name of launching State: Japan
4. Date and time of launch: 9 May 2003 at 0429 GMT
5. Location of launch: Kagoshima Space Center, Kagoshima, Japan
6. Basic orbital parameters: (as at 9 May 2003)
  - (a) Nodal period: 530-590 days
  - (b) Inclination: 1.3-1.7 degrees
  - (c) Apogee: 260,000,000 kilometres
  - (d) Perigee: 139,000,000 kilometres
7. General function: Verifying sample and return technology
8. Launch vehicle: M-V-5
9. Launching organization: Japan Aerospace Exploration Agency (formerly the Institute of Space and Astronautical Science)

**B. BSAT-2c**

1. Name of flight object: BSAT-2c
2. Designation: 2003-028A
3. Name of launching States: Japan (France)
4. Date and time of launch: 11 June 2003 at 2238 GMT
5. Location of launch: Guiana Space Centre, Kourou, French Guiana
6. Basic orbital parameters: (as at 3 January 2004)
  - (a) Nodal period: 1,436 minutes
  - (b) Inclination: 0.043 degrees
  - (c) Apogee: 35,811 kilometres
  - (d) Perigee: 35,766 kilometres
7. General function: Domestic direct satellite broadcasting

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

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8. Launch vehicle: Ariane 5
  9. Launching organization: Arianespace

### **C. CUTE-I**

1. Name of flight object: Cubical Tokyo Institute of Technology Engineering Satellite (CUTE)-I
2. Designation: 2003-031E
3. Name of launching States: Japan (Russian Federation)
4. Date and time of launch: 30 June 2003 at 1415 GMT
5. Location of launch: Plesetsk Cosmodrome, Russian Federation
6. Basic orbital parameters: (as at 10 February 2004)
  - (a) Nodal period: 101 minutes
  - (b) Inclination: 98.7 degrees
  - (c) Apogee: 829 kilometres
  - (d) Perigee: 814 kilometres
7. General function: Verifying pico-satellite bus technology
8. Launch vehicle: Rockot
9. Launching organization: Eurorocket

### **D. Pico-Satellite X1**

1. Name of flight object: University of Tokyo Pico-Satellite X1
2. Designation: 2003-031J
3. Name of launching States: Japan (Russian Federation)
4. Date and time of launch: 30 June 2003 at 1415 GMT
5. Location of launch: Plesetsk Cosmodrome, Russian Federation
6. Basic orbital parameters: (as at 2 July 2003)
  - (a) Nodal period: 101.4 minutes
  - (b) Inclination: 98.72 degrees
  - (c) Apogee: 825.78 kilometres
  - (d) Perigee: 825.78 kilometres
7. General function: Verifying pico-satellite bus functions, amateur radio frequency communication, and image acquisition and downlink

- 8. Launch vehicle: Rockot
- 9. Launching organization: Eurorocket

### **E. SERVIS-1**

- 1. Name of flight object: Space Environment Reliability Verification Integrated System (SERVIS)-1
- 2. Designation: 2003-050A
- 3. Name of launching States: Japan (Russian Federation)
- 4. Date and time of launch: 30 October 2003 at 1343 GMT
- 5. Location of launch: Plesetsk Cosmodrome, Russian Federation
- 6. Basic orbital parameters: (as at 31 October 2003)
  - (a) Nodal period: 105 minutes
  - (b) Inclination: 99.5 degrees
  - (c) Apogee: 1,000 kilometres
  - (d) Perigee: 1,000 kilometres
- 7. General function: Acquisition of technical data on the use of commercial, off-the-shelf parts and technology for space applications
- 8. Launch vehicle: Rockot
- 9. Launching organization: Eurorocket

### **F. Ohsumi**

- 1. Name of flight object: Ohsumi
- 2. Designation: 1970-011A
- 3. Name of launching State: Japan
- 4. Date and time of launch: 11 February 1970 at 0425 GMT
- 5. Location of launch: Kagoshima Space Center, Kagoshima, Japan
- 6. Basic orbital parameters: (as at 11 February 1970)
  - (a) Nodal period: 144.58 minutes
  - (b) Inclination: 31.2 degrees
  - (c) Apogee: 5,142 kilometres
  - (d) Perigee: 351 kilometres
- 7. General function: Demonstration of orbital injection for future Mu launch vehicles

- 8. Launch vehicle: L-4S-5
  - 9. Launching organization: Institute of Space and Aeronautical Science,  
University of Tokyo (now renamed Japan  
Aerospace Exploration Agency)
  - 10. Date of decay: 1 August 2003 GMT
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