



**Secretariat**

Distr.: General  
24 November 2010

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 14 September 2010 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 change of status of previously registered space objects LDREX (international designator 2000-081C) and MUSES-C (international designator 2003-019A) (see annex).



## Annex

### **Additional information, including changes of status, on space objects previously registered by Japan\***

#### **Large Deployable Reflector Experiment (LDREX)**

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

Committee on Space Research international designator:	2000-081C
Name of space object:	Large Deployable Reflector Experiment (LDREX)
National designator:	2000-081C
State of registry:	Japan
Registration document symbol:	ST/SG/SER.E/407
Date and territory or location of launch	
Date of launch:	20 December 2000 0 hr 26 min UTC
Territory or location of launch :	Guiana Space Center, French Guiana
Basic orbital parameters	
Nodal period:	633 minutes
Inclination:	1.99 degrees
Apogee:	35,883 kilometres
Perigee:	200 kilometres
General function of space object:	The Large Deployable Reflector Experiment (LDREX) is a small-scale and partial model of the Large Deployable Reflector (LDR) of Engineering Test Satellite VIII, which was under development to be launched in 2003 and was to conduct experiments in orbit for validating the design of LDR
Date of decay/re-entry/deorbit:	21 March 2010

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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**

Launch vehicle: Ariane 5 (Flight 138)

**MUSES-C “Hayabusa”**

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

Committee on Space Research international designator: 2003-019A

Name of space object: Twentieth Scientific Spacecraft, Engineering Demonstration Spacecraft (MUSES-C) “Hayabusa”

National designator: 2003-019A

State of registry: Japan

Registration document symbol: ST/SG/SER.E/463

Date and territory or location of launch

Date of launch: 9 May 2003 4 hr 29 min 0 sec UTC

Territory or location of launch: Uchinoura Space Center (formerly Kagoshima Space Center), Kagoshima, Japan

Basic orbital parameters

Nodal period: 530-590 days

Inclination: 1.3 -1.7 degrees

Apogee: 260,000,000 kilometres

Perigee: 139,000,000 kilometres

General function of space object: Verifying sample and return technology

Date of decay/re-entry/de-orbit: 13 June 2010

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

Space object owner or operator: Japan Aerospace Exploration Agency (formerly the Institute of Space and Astronomical Science)

Launch vehicle: M-V-5

Other information: Basic orbital parameters described are as at 9 May 2003.