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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 3 May 2011 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 on space objects Michibiki (international designator 2010-045A), BSAT-3b (international designator 2010-056B) and Kounotori-2 (international designator 2011-003A) (see annex I), and additional information, including changes of status, on previously registered space object BSAT-1A (international designator 1997-016B) (see annex II).



## Annex I

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

#### First Quasi-Zenith Satellite “Michibiki”

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

Committee on Space Research international designator:	2010-045A
Name of space object:	First Quasi-Zenith Satellite “Michibiki”
National designator:	2010-045A
State of registry:	Japan
Date and territory or location of launch	
Date of launch:	11 September 2010, 1117 hours UTC
Territory or location of launch:	Tanegashima Space Center, Kagoshima, Japan
Basic orbital parameters	
Nodal period:	1,436 minutes
Inclination:	41 degrees
Apogee:	38,900 kilometres
Perigee:	32,600 kilometres
General function of space object:	Michibiki’s missions are to develop, experiment with and verify satellite-based pointing, navigation and timing technologies in quasi-zenith orbit.

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

Space object owner or operator:	Japan Aerospace Exploration Agency
Launch vehicle:	H-IIA Launch Vehicle Flight No. 18 (H-IIA, 18F)
Other information:	Basic orbital parameters are as at 13 December 2010.  The launching organizations are Mitsubishi Heavy Industries, Ltd. and Japan Aerospace Exploration Agency.

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

**BSAT-3b****Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space**

Committee on Space Research international designator:	2010-056B
Name of space object:	BSAT-3b
National designator:	2010-056B
State of registry:	Japan
Other launching States:	France
Date and territory or location of launch	
Date of launch:	28 October 2010, 2151 hours UTC
Territory or location of launch:	Kourou Space Centre, Kourou, French Guiana
Basic orbital parameters	
Nodal period:	1,436.1 minutes
Inclination:	0.017 degrees
Apogee:	35,807.2 kilometres
Perigee:	35,767.4 kilometres
General function of space object:	Domestic direct broadcasting service

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

Geostationary position:	110 degrees East
Space object owner or operator:	Broadcasting Satellite System Corporation (B-SAT)
Launch vehicle:	Ariane 5
Other information:	The launching organization is Arianespace.

**H-II Transfer Vehicle “Kounotori-2” (HTV2)****Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space**

Committee on Space Research international designator:	2011-003A
Name of space object:	H-II Transfer Vehicle “Kounotori-2” (HTV2)

National designator:	2011-003A
State of registry:	Japan
Date and territory or location of launch	
Date of launch:	22 January 2011, 0537 hours 57 seconds UTC
Territory or location of launch:	Tanegashima Space Center, Kagoshima, Japan
Basic orbital parameters	
Nodal period:	91 minutes
Inclination:	51.6 degrees
Apogee:	356.1 kilometres
Perigee:	347.8 kilometres
General function of space object:	HTV2 is an unmanned resupply vehicle used to transport various cargo, including research materials, equipment for replacement and daily commodities, to the International Space Station.

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

Space object owner or operator:	Japan Aerospace Exploration Agency
Launch vehicle:	H-IIB Launch Vehicle Flight No. 2 (H-IIB, 2F)
Other information:	Basic orbital parameters are as at 28 January 2011.  After delivering its cargo to the International Space Station, HTV2 will be unberthed from the International Space Station and will make a controlled re-entry into the atmosphere.  The launching organization is Japan Aerospace Exploration Agency.

## Annex II

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

#### **BSAT-1A**

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

Committee on Space Research international designator:	1997-016B
Name of space object:	BSAT-1A
National designator:	1997-016B
State of registry:	Japan
Registration document symbol:	ST/SG/SER.E/337
Other launching States:	France
Date and territory or location of launch	
Date of launch:	16 April 1997, 2308 hours UTC
Territory or location of launch:	Kourou Space Centre, Kourou, French Guiana
Basic orbital parameters	
Nodal period:	1,436 minutes
Inclination:	0.093 degrees
Apogee:	35,838 kilometres
Perigee:	35,743 kilometres
General function of space object:	Domestic direct broadcasting service
Date of decay/re-entry/de-orbit:	3 August 2010, 0217 hours UTC

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

Date when space object is no longer functional:	3 August 2010, 0217 hours UTC
Date when space object is moved to a disposal orbit:	28 July 2010, 0200 hours UTC

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Physical conditions when space object is moved to a disposal orbit:	+300 kilometres above geostationary orbit
Space object owner or operator:	Broadcasting Satellite System Corporation (B-SAT)
Launch vehicle:	Ariane 44LP
Other information:	The launching organization is Arianespace.

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