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# Committee on the Peaceful Uses of Outer Space

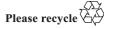
# Information furnished in conformity with the Convention on Registration of Objects Launched into Outer Space

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).

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#### 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 satellitebased 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.

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<sup>\*</sup> 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:

Name of space object:

National designator:

State of registry:

Other launching States:

2010-056B

Japan

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)

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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

51.6 degrees

Territory or location of launch: Tanegashima Space Center, Kagoshima,

Japan

Basic orbital parameters

Inclination:

Nodal period: 91 minutes

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.

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

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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