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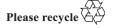
Information furnished in conformity with the Convention on Registration of Objects Launched into Outer Space

Note verbale dated 1 February 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 KSAT (international designator 2010-020A) and Waseda-Sat2 (international designator 2010-020B) (see annex I) and additional information, including changes of status, on previously registered space objects OICETS (international designator 2005-031A) and SDS-1 (international designator 2009-002F) (see annex II).

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Annex I

Registration data on space objects launched by Japan*

Hayato (KSAT)

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

Committee on Space Research

2010-020A

international designator:

Name of space object: Hayato (KSAT)

National designator: 2010-020A

State of registry: Japan

Date and territory or location of launch

Date of launch: 20 May 2010 21 hr 58 min 22 sec UTC

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

Japan

Basic orbital parameters

Nodal period: 90.5 minutes
Inclination: 30.0 degrees

Apogee: 299.6 kilometres
Perigee: 299.1 kilometres

General function of space object: 1. Observation of atmospheric water

vapour using newly developed methods for the forecasting of heavy downpours.

2. Earth observations via a Ku-band

high-speed downlink.

Date of decay/re-entry/de-orbit: 14 July 2010

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

Date when space object is no longer

14 July 2010

functional:

Space object owner or operator: Kagoshima Satellite Development

Committee (non-profit organization)

Launch vehicle: H-IIA Launch Vehicle Flight No. 17H2A

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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.

Other information: Launching organizations are Mitsubishi

Heavy Industries, Ltd. and Japan Aerospace Exploration Agency.

Website: http://kasat.jp

Waseda-Sat2

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

Committee on Space Research

international designator:

2010-020B

Name of space object: Waseda-Sat2
National designator: 2010-020B

State of registry: Japan

Date and territory or location of launch

Date of launch: 20 May 2010 21 hr 58 min 22 sec UTC

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

Japan

Basic orbital parameters

Nodal period: 90.5 minutes
Inclination: 30.0 degrees

Apogee: 297.5 kilometres
Perigee: 297.5 kilometres

General function of space object: Display and picture-taking of QR codes

Date of decay/re-entry/de-orbit: 12 July 2010

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

Date when space object is no longer

functional:

12 July 2010

Space object owner or operator: Waseda University

Launch vehicle: H-IIA Launch Vehicle Flight No. 17H2A

Other information: Launching organizations are Mitsubishi

Heavy Industries, Ltd. and Japan Aerospace

Exploration Agency.

Website: www.miyashita.mmech.waseda.ac.jp/

Waseda-Sat2/index.htm

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Annex II

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

Optical Inter-orbit Communications Engineering Test Satellite (OICETS) "Kirari"

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:

2005-031A

Optical Inter-orbit Communications

Engineering Test Satellite (OICETS) "Kirari"

National designator: 2005-031A

State of registry: Japan

Other launching States: Kazakhstan

Registration document symbol: ST/SG/SER.E/486

Date and territory or location of launch

Date of launch: 23 August 2005 21 hr 10 min UTC
Territory or location of launch: Baikonur Space Centre, Kazakhstan

Basic orbital parameters

Nodal period: 96 minutes

Inclination: 98.0 degrees

Apogee: 609 kilometres

Perigee: 568 kilometres

General function of space object: Verification of communications technology

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

Date when space object is no longer functional: 24 September 2009 5 hr 48 min 7 sec UTC

Space object owner or operator: Japan Aerospace Exploration Agency (JAXA)

Launch vehicle: Dnepr Launch Vehicle

Other information: Basic orbital parameters are as at

21 September 2009.

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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.

Small Demonstration Satellite 1 (SDS-1)

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

Committee on Space Research international

designator:

2009-002F

Name of space object: Small Demonstration Satellite 1 (SDS-1)

National designator: 2009-002F State of registry: Japan

Registration document symbol: ST/SG/SER.E/574

Date and territory or location of launch

Date of launch: 23 January 2009 3 hr 54 min UTC

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

Japan

Basic orbital parameters

Nodal period: 98.1 minutes
Inclination: 98.1 degrees
Apogee: 677.3 kilometres
Perigee: 659.0 kilometres

General function of space object: Demonstration of new technology devices

and components such as the Multi-Mode Integrated Transponder (MTP), the Space Wire Demonstration Module (SWIM) and the

Advanced Micro-processing In-Orbit

Experiment equipment (AMI) to improve the

reliability of operational satellites.

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

Date when space object is no longer 8 September 2010 2 hr 22 min 28 sec UTC

functional:

Space object owner or operator: Japan Aerospace Exploration Agency (JAXA)

Launch vehicle: H-IIA Launch Vehicle F 15 (H-IIA-F15)

Other information: Basic orbital parameters are as at 8 September

2010.

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