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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 15 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 launching of space objects Venus Climate Orbiter "AKATSUKI" (PLANET-C) (international designator 2010-020D), Small Solar Power Sail Demonstrator "IKAROS" (international designator 2010-020E), Negai (international designator 2010-020C), UNITEC-1 (international designator 2010-020F), and SERVIS-2 (international designator 2010-023A) (see annex).



Annex

Registration data on space objects launched by Japan*

Venus Climate Orbiter “AKATSUKI” (PLANET-C)

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

Committee on Space Research international designator:	2010-020D
Name of space object:	Venus Climate Orbiter “AKATSUKI” (PLANET-C)
National designator/registration number:	2010-020D
State of registry:	Japan
Date and territory or location of launch	
Date of launch:	20 May 2010 21 hrs 58 min 22 sec UTC
Territory or location of launch:	Tanegashima Space Centre, Kagoshima, Japan
Basic orbital parameters	
Nodal period:	1,860 minutes
Inclination:	160 degrees
Apogee:	79,000 kilometres (Apocytherion)
Perigee:	500 kilometres (Pericytherion)
General function of space object:	The mission of “AKATSUKI” (PLANET-C) is to elucidate the dynamics of the atmosphere of Venus, in particular its super-rotation, by means of three-dimensional visualizations of atmospheric motions using multi-wavelength imaging from orbit. The satellite will also measure the surface temperatures and look for evidence of volcanic activity and lightning.

* 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

Space object owner or operator:	Japan Aerospace Exploration Agency
Launch vehicle:	H-IIA Launch Vehicle Flight No. 17 (H-IIA 17F)
Celestial body that space object is orbiting:	Venus
Other information:	Basic orbital parameters described above are for orbits around Venus and are as at 22 May 2010. Launching organizations are Mitsubishi Heavy Industries, Ltd. and Japan Aerospace Exploration Agency.

Small Solar Power Sail Demonstrator “IKAROS”

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

Committee on Space Research international designator:	2010-020E
Name of space object:	Small Solar Power Sail Demonstrator “IKAROS”
National designator/registration number:	2010-020E
State of registry:	Japan
Date and territory or location of launch	
Date of launch:	20 May 2010 21 hrs 58 min 22 sec UTC
Territory or location of launch	Tanegashima Space Centre, Kagoshima, Japan
Basic orbital parameters	
Nodal period:	444,480 minutes
Inclination:	24.5 degrees
Apogee:	159,800,000 kilometres (Aphelion)
Perigee:	107,600,000 kilometres (Perihelion)
General function of space object:	Small Solar Power Sail Demonstrator “IKAROS” is the world’s first solar-powered sail craft employing both photon propulsion and thin-film solar power generation during its interplanetary cruise.

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. 17 (H-IIA 17F)
Celestial body that space object is orbiting:	Sun
Other information:	Basic orbital parameters described above are for orbits around the Sun and are as at 22 May 2010. Launching organizations are Mitsubishi Heavy Industries, Ltd. and Japan Aerospace Exploration Agency.

Negai

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

Committee on Space Research international designator:	2010-020C
Name of space object:	Negai
National designator/registration number:	2010-020C
State of registry:	Japan
Date and territory or location of launch	
Date of launch:	20 May 2010 21 hrs 58 min 22 sec UTC
Territory or location of launch:	Tanegashima Space Centre, Kagoshima, Japan
Basic orbital parameters	
Nodal period:	90 minutes
Inclination:	30 degrees
Apogee:	300 kilometres
Perigee:	300 kilometres
General function of space object:	Space verification of an advanced information processing system using commercial Field Programmable Gate Arrays.
Date of decay/re-entry/deorbit:	26 June 2010

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

Website:	http://kuro.t.soka.ac.jp/negai/sokags/index.html
Space object owner or operator:	Soka University Kuroki Laboratory
Launch vehicle:	H-IIA Launch Vehicle Flight No. 17 (H-IIA 17F)
Other information:	Launching organizations are Mitsubishi Heavy Industries, Ltd. and Japan Aerospace Exploration Agency.

UNITEC-1

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

Committee on Space Research international designator:	2010-020F
Name of space object:	UNITEC-1
National designator/registration number:	2010-020F
State of registry:	Japan
Date and territory or location of launch	
Date of launch:	20 May 2010 21 hrs 58 min 22 sec UTC
Territory or location of launch:	Tanegashima Space Centre, Kagoshima, Japan
Basic orbital parameters	
Nodal period:	Deep space trajectory to Venus (no cyclic orbit)
Inclination:	31 degrees
Apogee:	160,000,000 kilometres
Perigee:	291 kilometres
General function of space object:	Technology experiment of a deep space probe and onboard computers; low bit-rate communication from deep space; and measurement of the radiation environment.

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

Website:	www.unisec.jp/unitec-1/
Space object owner or operator:	Japan Aerospace Exploration Agency
Launch vehicle:	H-IIA Launch Vehicle Flight No. 17 (H-IIA 17F)
Celestial body that space object is orbiting:	Sun
Other information:	Launching organizations are Mitsubishi Heavy Industries, Ltd. and Japan Aerospace Exploration Agency.

SERVIS-2

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

Committee on Space Research international designator:	2010-023A
Name of space object:	SERVIS-2
National designator/registration number:	2010-023A
State of registry:	Japan
Date and territory or location of launch	
Date of launch:	2 June 2010 1 hr 59 min 11 sec UTC
Territory or location of launch:	Plesetsk Cosmodrome, Russian Federation
Basic orbital parameters	
Nodal period:	109 minutes
Inclination:	100.4 degrees
Apogee:	1,201 kilometres
Perigee:	1,191 kilometres
General function of space object:	Acquisition of technical data on commercial off-the-shelf parts and technologies for space applications.

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

Website:	www.usef.or.jp/english/e_index.html
Space object owner or operator:	Institute for Unmanned Space Experiment Free Flyer
Launch vehicle:	ROKOT
