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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 16 October 2017 from the Permanent Mission of Pakistan to the United Nations (Vienna) addressed to the Secretary-General

The Permanent Mission of Pakistan to the United Nations (Vienna), 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 extracts of the National Space Registry on space objects launched by Pakistan (see annex).

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Annex

Registration data on space objects launched by Pakistan*

BADR-1

Name of the launching State	Pakistan
An appropriate designator of the space object or its registration number	BADR-1
National designator/ registration number	BADR-1
Committee on Space Research international designator	1990-059A
North American Aerospace Defense Command identification	20,685
International Telecommunication Union Advance Publication Information reference	AR11/A/471
International Telecommunication Union Weekly Information Circular (BR WIC) number	1,860
Date of launch	16 July 1990
Location of launch	Xichang Satellite Launch Centre, China
Basic orbital parameters	
Apogee	984 kilometres
Perigee	201 kilometres
Inclination	28.4 degrees
Period	96.3 minutes
Local time of ascending node	..
Semi-major axis	6,975 kilometres
General function of space object	Testing and validation of indigenously developed satellite subsystems in the space environment
	Real-time voice and data communications experiments between two user ground stations
	Store-and-forward communications experiments in the very-high and ultra-high frequency bands
Date of decay	8 December 1990

BADR-B

Name of the launching State	Pakistan
An appropriate designator of the space object or its registration number	BADR-B (SUP002)

* The registration data are reproduced in the form in which they were received.

Date of launch	10 December 2001
Location of launch	Baikonur Cosmodrome, Kazakhstan
Basic orbital parameters	
Apogee	1,018.63 kilometres
Perigee	1,018.63 kilometres
Inclination	99.64 degrees
Local time of ascending node	0900 hours ± 15 minutes
Semi-major axis	7,319.6 kilometres
General function of space object	The main scientific goal of the mission is to acquire data on space weather and Earth resources for peaceful purposes.

PakSat-1R

Name of the launching State	Pakistan
An appropriate designator of the space object or its registration number	PakSat-1R
Date of launch	12 August 2011
Location of launch	Xichang Satellite Launch Centre, China
Basic orbital parameters (as at 13 December 2011, 0513 hours, 1 second UTC)	
Semi-major axis	42,166.709292 kilometres
Eccentricity	0.000181529
Inclination	0.088111 degrees
Right ascension of the ascending node	95.343441 degrees
Argument of perigee	148.105195 degrees
Mean anomaly	308.989495 degrees
General function of space object	Telecommunications

ICUBE-1

Name of the launching State	Pakistan
An appropriate designator of the space object or its registration number	ICUBE-1
Date of launch	21 November 2013
Location of launch	Yasny, Russian Federation
Planned orbital parameters	
Apogee	637 kilometres
Perigee	589 kilometres
Inclination	97.8 degrees
Period	96.95 minutes
Local time of ascending node	2230 hours
Semi-major axis	6,978.137 kilometres
General function of space object	Student experimental satellite