



# General Assembly

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## Committee on the Peaceful Uses of Outer Space

### **Information furnished in conformity with General Assembly resolution 1721 B (XVI) by States launching objects into orbit or beyond**

#### **Note verbale dated 8 February 2010 from the Permanent Mission of Malaysia to the United Nations (Vienna) addressed to the Secretary-General**

The Permanent Mission of Malaysia to the United Nations (Vienna) presents its compliments to the Secretary-General of the United Nations and has the honour to transmit, in accordance with paragraph 1 of General Assembly resolution 1721 B (XVI) of 20 December 1961, information concerning its space objects MEASAT-3a (international designation 2009-032A) and RAZAKSAT (international designation 2009-037A), which were launched in 2009 (see annex).



**Annex****Registration data on objects launched into space by Malaysia\*****MEASAT-3a**

International designation:	2009-032A
Name of space object:	MEASAT-3a
Owner of space object:	MEASAT Satellite Systems Sdn. Bhd.
Date of launch:	22 June 2009
Launch site:	Baikonur Cosmodrome, Kazakhstan
Launch vehicle:	Land Launch Zenit 3-SLB
Owner of launch site:	Russian Federation
Orbital parameters:	
Apogee radius:	42,164 kilometres
Perigee radius:	42,164 kilometres
Inclination:	0.00 degrees
Nodal period:	1,437.6 minutes (23 hours 57.6 minutes)
Technical information:	
Mass:	2,440 kilograms
Payload/Application:	Communications
Uplink frequency:	5925-6425 MHz 13750-14250 MHz
Downlink frequency:	3700-4200 MHz 12200-12500 MHz
Ground control station:	MEASAT Teleport and Broadcast Centre, Cyberjaya, Malaysia
Station position:	Latitude: 2.94° N Longitude: 101.6° E
Registration number:	006
Registration certificate:	AAN 006/COMM/MEASAT-3a

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

**RAZAKSAT**

International designation:	2009-037A
Name of space object:	RAZAKSAT
Owner of space object:	The Government of Malaysia
Date of launch:	14 July 2009
Launch site:	Omelek Island, Marshall Islands
Launch vehicle:	Falcon-1
Owner of launch site:	Leased by Space Exploration Technologies from the United States Army
Orbital parameters:	
Apogee radius:	690 kilometres
Perigee radius:	665 kilometres
Inclination:	8.98 degrees
Nodal period:	98.05 minutes
Technical information:	
Mass:	186 kilograms
Payload/Application:	Medium-size aperture camera/ Optical remote sensing
Uplink frequency:	2035.01 MHz
Downlink frequency:	2232.01 MHz
Ground control station:	Malaysia Space Centre, Sungai Lang, Selangor, Malaysia
Station position:	Latitude: 2°47'3" N Longitude: 101°30'26" E
Registration number:	005
Registration certificate:	AAN 005/RS/RAZAKSAT

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