



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 2 March 2020 from the Permanent Mission of the Lao People's Democratic Republic to the United Nations (Vienna) addressed to the Secretary-General

The Permanent Mission of the Lao People's Democratic Republic to the United Nations (Vienna) has the honour to transmit, in accordance with paragraph 1 of General Assembly resolution [1721 B \(XVI\)](#) of 20 December 1961, further information on the LaoSat-1 communications satellite (see annex).¹

¹ The data on the space object referenced in the annex were entered into the Register of Objects Launched into Outer Space on 3 March 2020.



Annex

Registration data on a space object launched into outer space by the Lao People's Democratic Republic^{*}

LaoSat-1

Name of space object	LaoSat-1
National designator/ registration number	LaoSat-1
State of registry	Lao People's Democratic Republic
Other launching States	China
Date and territory or location of launch	20 November 2015 at 1607 hours UTC Xichang Satellite Launch Centre, Sichuan, Xichang, China
Basic orbital parameters	
Nodal period	23 hours, 56 minutes, 4 seconds
Inclination	0±0.1 degrees
Apogee	35,796 kilometres
Perigee	35,775 kilometres
Longitudinal tolerance	0±0.05 degrees
Geostationary orbital position	128.5 degrees East
General function of space object	Communications satellite
Space object owner or operator	Lao Asia-Pacific Satellite Co., Ltd.
Launch vehicle	Long March 3B/E (LM-3B/E)

Technical details for LaoSat-1

Estimated useful life	15 years
Type	Communication satellite
Satellite platform	DFH-4S
Satellite dimensions	2,360 x 2,100 x 3,100 millimetres
Weight of satellite	4,000 kilograms
Orbit type	Geostationary
GEO orbit altitude	36,000 kilometres
Stabilisation mode	Tri-axial
Precision maintenance	0±0.05 degrees East/West 0±0.1 degrees North/South
Precision of antenna pointing	less than 0.1 degrees
Number of transponders	22

^{*} The information was submitted using the form prepared pursuant to General Assembly resolution [62/101](#) and has been reformatted by the Secretariat.

Transponder bands

C

Number of transponders: 14
Bandwidth per transponder: 36 MHz
Useful bandwidth: 504 MHz

Ku

Number of transponders: 8
Bandwidth per transponder: 54 MHz
Useful bandwidth: 432 MHz
