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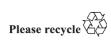
Committee on the Peaceful Uses of Outer Space

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

Stabilisation mode

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

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Precision maintenance 0±0.05 degrees East/West

0±0.1 degrees North/South

Tri-axial

Precision of antenna pointing less than 0.1 degrees

Number of transponders 22

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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.

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

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