



ກະຊວງໄປສະນີ, ໂທລະຄົມມະນາຄົມ ແລະ ການສື່ສານ

MINISTRY OF POSTS AND TELECOMMUNICATIONS



The Development of Satellite Communications in Lao PDR

Prepared by  Mr. Singthong Khamone  Deputy Director of Satellite Communication Division
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LAOSAT-1 launching



On 21 November 2015, LAOSAT-1 has been launched from Xichang Satellite Launch Center (XSLC) into orbital slot 128.5°E (GEO).

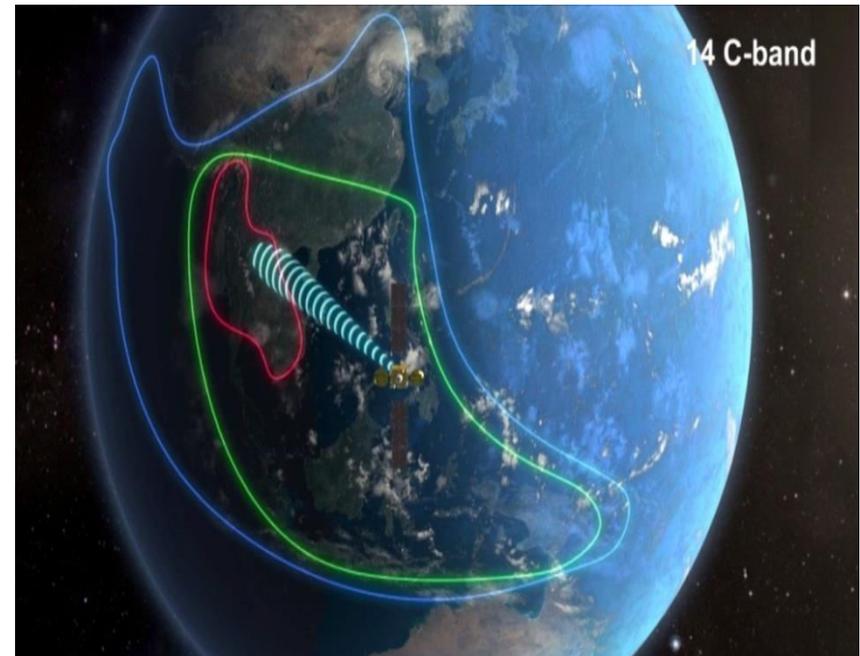
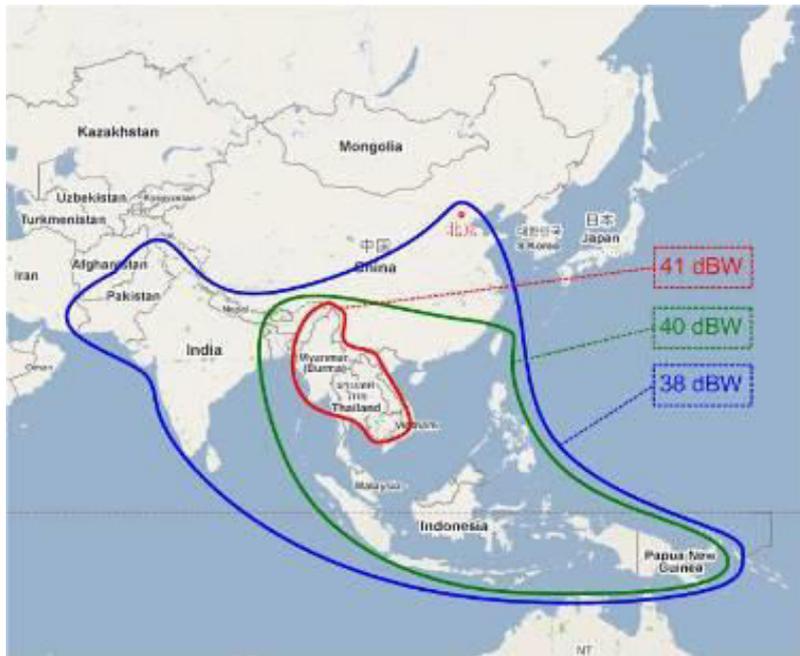
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Coverage Area of C-band transponders



14 C-band transponders of LAOSAT-1 covers Lao PDR and 15 countries in South East Asia

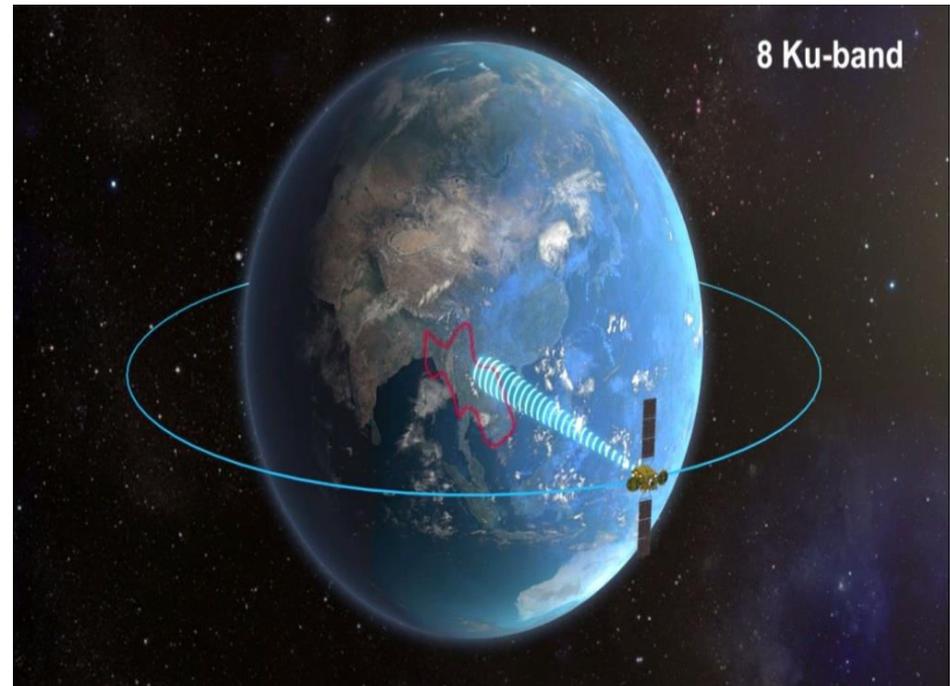
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Coverage Area of Ku-band transponders



8 Ku-band transponders of LAOSAT-1 covers Lao PDR with beside countries and Singapore

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LAOSAT-1 Satellite Frequency Applications

Frequency Band Applications		Polarization	Transponder Number
C Band	6485-6785MHz/3400-3700MHz	Both V&H	14
Ku Band	12.75-13GHz/10.7-10.95GHz	Both V&H	8



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LAOSAT-1 Joint Venture Company



The signing ceremony for the establishment of LAOSAT-1 joint venture company namely Lao Asia Pacific Satellite Company Limited was held in Vientiane on 30 October 2015

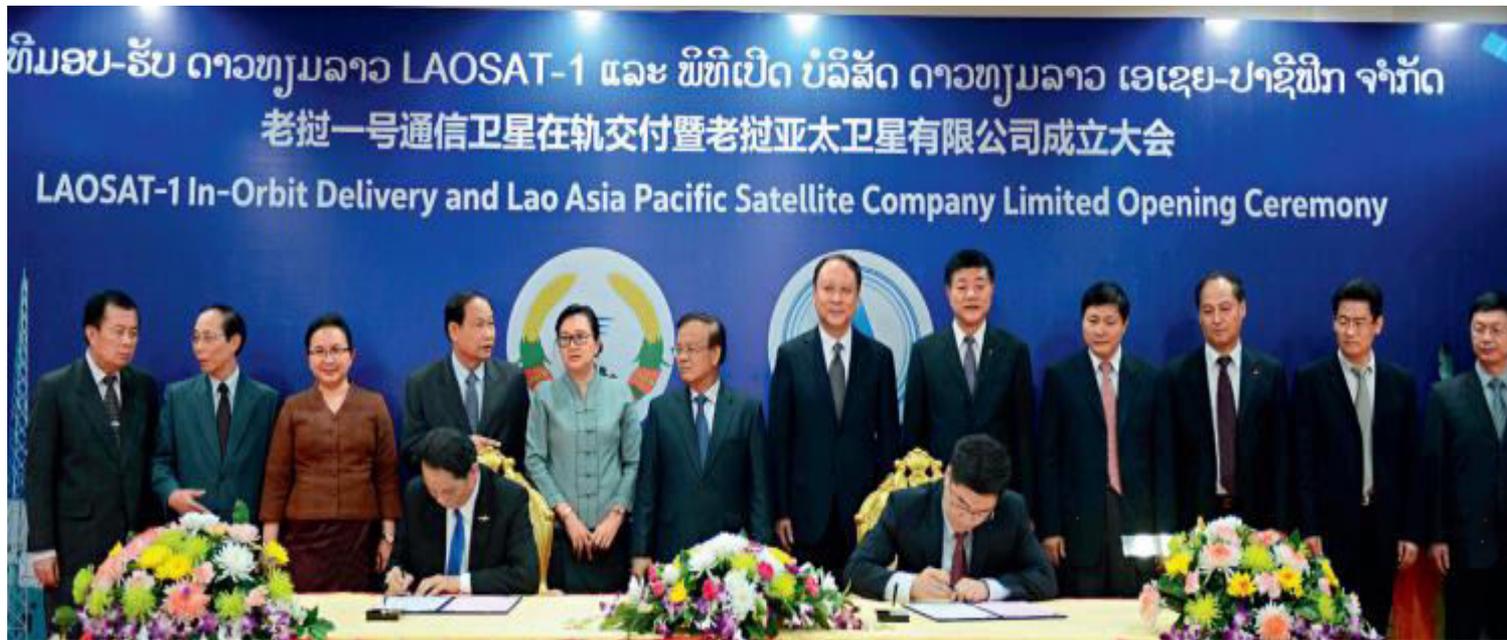
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LAOSAT-1 In-Orbit Delivery



LAOSAT-1 In-Orbit Delivery and Lao Asia-Pacific Satellite Company Limited Opening Ceremony was held at Vientiane Ground Station on 9 March 2016

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LAOSAT-1 main business services:

- 1. Direct To Home (DTH) and Television Production Center (TVPC)
Provide 54 sets of SDTV, 2 sets of HDTV, 10 channels of Radio Broadcasting





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LAOSAT-1 main business services (continued):

2. Very Small Aperture Terminal (VSAT) provide 70 VSAT of 2.4 m antenna size and 4 sets Satellite Interface Terminal (SIT) of 4.5 m antenna size.





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LAOSAT-1 main business services (continued):

3. National Emergency Communication Network (NECN)

Provide 1 set for Ku band hub and 6 sets terminal (3 vehicles and 3 portable)





Legislations and Future Plan

- The Ministry of Posts and Telecommunications (MPT) has been issued the Agreement on Satellite Communications No. 2507/MPT, dated 22 August 2016.
- Since then, we are now updating this Agreement into Decree on Satellite Communications.
- LAOSAT-1 has been registered in the United Nations Committee on the Peaceful Uses of Outer Space (UNCOPUOS) as an object launched into outer space since early 2017.
- We have the plan to expand the services of LAOSAT-1 to beside countries and other countries within the coverage areas.



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THANK YOU



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