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Satellite Service in Laos

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Contents

- Country Profile
- Project Overview
- LAOSAT-1
- GBTS
- WBCN
- Satellite Business
- LAOSTAR-1
- Conclusion

Country Profile

- Country Name: Lao People's Democratic Republic
- Land area: 236,800 sq. Km
- Population: 6,500,000
 - Urban: 30%
 - Rural: 70%
- Capital: Vientiane
- Covered by forest: 43%
- Mountainous: 70%
- Provinces: 18
- Districts: 148
- Villages: 10.868
- GDP: 1970 \$



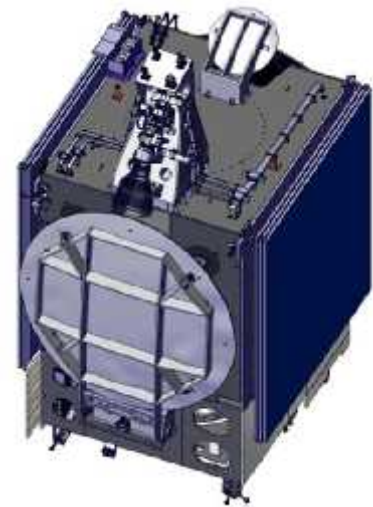
Project Overview

LAO Satellite Projects is a priority of LAO Government and there are two satellite Orbital Slots as follow:

1. LAO Satellite-1 Project (**LAOSAT-1**) Orbital Slots 128.5E
2. LAO Star-1 Project (**LAOSTAR-1**) Orbital Slots 126E

LAOSAT-1 Introduction

- Satellite name: LAOSAT-1
- Orbit location: 128.5E
- Transponders: 14 C-band and 8 Ku-band
- Launched time: 21 November 2015

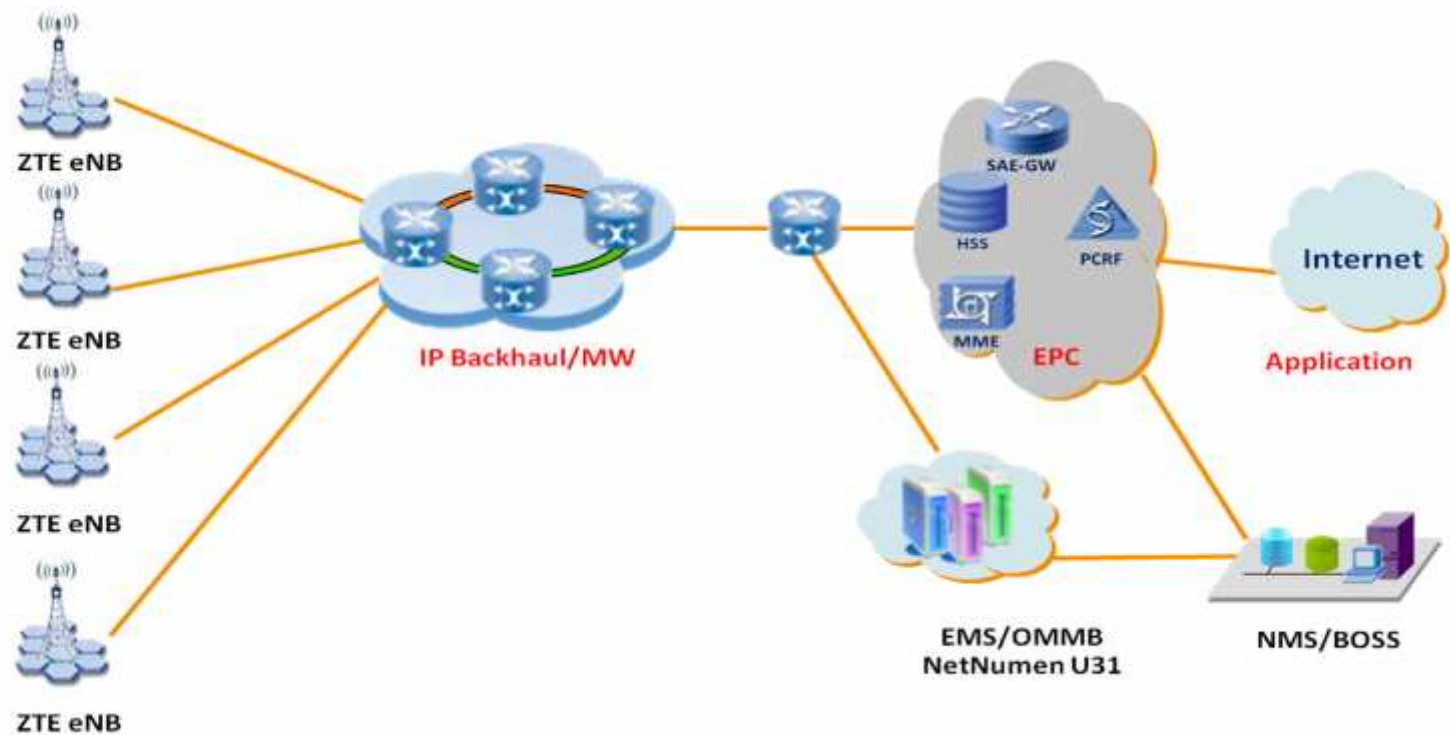


GBTS Introduction

- Ground Broadcasting Telecommunication System
 - System:
 - VSAT communication network
 - Emergency communication network
 - International gateway station
 - TV program product center
 - programs editing and programs broadcasting
 - DTH TV broadcasting network
 - SDTV, HDTV, Digital audio, DVB-S system and H.264 coding method

WBCN Introduction

- Wireless Broadband Communication Network
 - 4G TD-LTE Network Topology
 - 80 sites in total
 - Access Layer + IP Backhaul + Core Layer
 - Coverage for the Vientiane, Luangprabang, Savannakhet, Champasak



Satellite Business Operation

The Joint Venture Company (JVC) has been established by LAO Government namely **LAO Satellite Asia–Pacific Company Limited** and this company will operate the satellite business.



LAOSTAR-1 introduction

1. Development of LAO 126E Satellite Communication System.
2. Construction of Satellite Communications Industry Park.
3. Construction of Satellite Factory Area.
4. Construction of LAO University of space and Technology.

Now in the stage of performing.

Conclusion

- LAOSAT-1:
 - Launched 21 November of 2015
 - Orbit Location: 128.5E
 - Lifespan: 15 years
 - Transponders: 14 C-band and 8 Ku-band.
- LAOSTAR-1:
 - Orbit Location: 126E
 - Now in the stage of performing

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Terima kasih
ຂອບໃຈ
Thank you