United Nations ST/sg/ser.e/744



Distr.: General 3 August 2015 English

Original: Spanish

## Committee on the Peaceful Uses of Outer Space

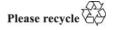
# Information furnished in conformity with the Convention on Registration of Objects Launched into Outer Space

Note verbale dated 8 April 2015 from the Permanent Mission of Mexico to the United Nations (Vienna) addressed to the Secretary-General

The Permanent Mission of Mexico to the United Nations (Vienna), in accordance with articles III and IV of the Convention on Registration of Objects Launched into Outer Space (General Assembly resolution 3235 (XXIX), annex), has the honour to inform the Secretary-General of the entry into its national registry of the Mexican satellite Eutelsat 115 West B (E115WB), whose owner is the company Satélites Mexicanos, S.A. de C.V. (Eutelsat Americas) (see annex). The satellite has already been registered in the database maintained by the Mexican Space Agency.

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#### Annex

## Registration data on a space object launched by Mexico\*

### E115WB (Satmex 7)

State of registry: Mexico

Name of the space object: E115WB (Satmex 7)

Date and territory or location of launch: 1 March 2015 UTC/GMT-4

Launch Complex 40 (SLC-40),

Cape Canaveral Air Force Station, Florida,

United States of America

Basic orbital parameters

Geostationary orbit location: 114.9 degrees West Inclination:  $0 \pm 0.05$  degrees Longitudinal tolerance:  $\pm 0.05$  degrees

General function of space object: Communications satellite

Date of decay/re-entry/deorbit: 20 December 2030 (expected date)

Additional voluntary information for use in the Register of Objects Launched into Outer Space

Space object owner or operator: Satélites Mexicanos, S.A. de C.V.

(Eutelsat Americas)

Launch vehicle: Falcon-9 v1.1

Website: www.spacex.com

Technical details for E115WB

Orbital position: 14.9 degrees West

Number of transponders: 12 C-band

34 Ku-band

Date of launch: 1 March 2015 2301 hours UTC/GMT-4

Entry into service: October 2015

Estimated useful life: 15 years

Type: Communications satellite

Satellite platform: 702SP (small platform)

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<sup>\*</sup> The registration data are reproduced in the form in which they were received.

Dimensions of satellite

Spacecraft length: 32.6 metres
Spacecraft width: 8.3 metres
Spacecraft height: 4.8 metres

Deployed area of solar arrays: 51.7 square metres

Orbit type: Geostationary

Geostationary orbit altitude: 36,000 kilometres

Stabilization mode: Triaxial

Precision maintenance: East/West  $\pm$  0.05 degrees

 $North/South \pm 0.05$  degrees

Precision of antenna positioning: Antenna pointing  $\leq 0.1$  degrees

Weight of satellite: Mass 221.5 kilograms

Launch vehicle: Falcon-9 v1.1

Transponders

Number of Bandwidth per transponders transponder (MHz) Bandwidth (MHz)

C 12 72 72

Ku 34 21/36 MHz 11/54 MHz and 2/56 MHz

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