Information furnished in conformity with General Assembly resolution 1721 B (XVI) by States launching objects into orbit or beyond

Note verbale dated 5 February 2014 from the Permanent Mission of the Plurinational State of Bolivia to the United Nations (Vienna) addressed to the Secretary-General

The Permanent Mission of the Plurinational State of Bolivia to the United Nations (Vienna) presents its compliments to the Secretary-General of the United Nations and has the honour to transmit, in accordance with paragraph 1 of General Assembly resolution 1721 B (XVI) of 20 December 1961, information concerning the launch of satellite Túpac Katari (see annex).
Annex

Registration data on an object launched into outer space by the Plurinational State of Bolivia

Túpac Katari

Information provided in conformity with General Assembly resolution 1721B (XVI)

Name of space object: Túpac Katari
National designator/registration number: TKSAT-1
State of registry: Bolivia
Other launching States: China
Date and territory or location of launch
  Date of launch: 20 December 2013, 1242 hours UTC/GMT-4
  Territory or location of launch: XSLC Satellite Launch Centre, Sichuan, Xichang, China

Basic orbital parameters
  Geostationary orbital position: 87.2 degrees West
  Inclination: 0.05 degrees
  Longitudinal tolerance: ± 0.05 degrees

General function of space object: Communications satellite
Date of decay/re-entry/deorbit: 20 December 2028 (expected date)

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

Space object owner or operator: Bolivian Space Agency
Launch vehicle: Long March 3BE (LM 3BE)
Website: www.abe.bo

Technical details for Túpac Katari

Orbital position: 87.2 degrees West
Number of transponders: 30
Date of launch: 20 December 2013, 1242 hours UTC/GMT-4
Entry into service: March 2014
Estimated useful life: 15 years
Type: Communications satellite

Satellite platform: DFH-4

Satellite dimensions: 2,360 mm x 2,100 mm x 3,600 mm

Orbit type: Geostationary (GEO)

GEO orbit altitude: 36,000 kilometres

Stabilization mode: Triaxial

Precision maintenance: ± 0.05 degrees West/East
± 0.05 degrees North/South

Precision of antenna positioning: < 0.1 degrees

Weight of satellite: 5,100 kilograms

Launch vehicle: LM 3BE

Transponder bands:

<table>
<thead>
<tr>
<th>Band</th>
<th>Number of transponders</th>
<th>Bandwidth per transponder (MHz)</th>
<th>Useful bandwidth (MHz)</th>
</tr>
</thead>
<tbody>
<tr>
<td>C</td>
<td>2</td>
<td>28</td>
<td>56</td>
</tr>
<tr>
<td>Ku (broadcasting)</td>
<td>4</td>
<td>36</td>
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<td>Ku (communications)</td>
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<td>720</td>
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<td>Ku (addressable)</td>
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<td>36</td>
<td>72</td>
</tr>
<tr>
<td>Ka</td>
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