

**Secretariat**

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

### **Note verbale dated 17 December 2021 from the Permanent Mission of China to the United Nations (Vienna) addressed to the Secretary-General**

The Permanent Mission of China to the United Nations (Vienna), in accordance with article IV of the Convention on Registration of Objects Launched into Outer Space (General Assembly resolution [3235 \(XXIX\)](#), annex) and General Assembly resolution [62/101](#), has the honour to transmit information concerning 99 space objects launched by China in recent years (see annex).<sup>1</sup>

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<sup>1</sup> The data on space objects referenced in the annex were entered into the Register of Objects Launched into Outer Space on 30 December 2021.



## Annex

### Registration data on space objects launched by China\*

#### Jilin-1GXA

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

Committee on Space Research international designator	2015-057D
Name of space object	Jilin-1GXA
State of registry	China
Date and territory or location of launch	7 October 2015 UTC; Jiuquan Satellite Launch Centre, China
Basic orbital parameters	
Nodal period	97.77 minutes
Inclination	97.79 degrees
Apogee	661 kilometres
Perigee	636 kilometres
General function of space object	Obtain video images of Earth by remote sensing

#### Jilin-1LQ

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

Committee on Space Research international designator	2015-057A
Name of space object	Jilin-1LQ
State of registry	China
Date and territory or location of launch	7 October 2015 UTC; Jiuquan Satellite Launch Centre, China
Basic orbital parameters	
Nodal period	97.80 minutes
Inclination	97.78 degrees
Apogee	663 kilometres
Perigee	639 kilometres
General function of space object	Obtain video images of Earth by remote sensing

\* The information was submitted using the form prepared pursuant to General Assembly resolution [62/101](#) and has been reformatted by the Secretariat.

**Jilin-1SP01****Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space**

Committee on Space Research international designator	2015-057B
Name of space object	Jilin-1SP01
State of registry	China
Date and territory or location of launch	7 October 2015 UTC; Jiuquan Satellite Launch Centre, China
Basic orbital parameters	
Nodal period	97.78 minutes
Inclination	97.78 degrees
Apogee	662 kilometres
Perigee	638 kilometres
General function of space object	Obtain video images of Earth by remote sensing

**Jilin-1SP02****Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space**

Committee on Space Research international designator	2015-057C
Name of space object	Jilin-1SP02
State of registry	China
Date and territory or location of launch	7 October 2015 UTC; Jiuquan Satellite Launch Centre
Basic orbital parameters	
Nodal period	97.80 minutes
Inclination	97.78 degrees
Apogee	662 kilometres
Perigee	638 kilometres
General function of space object	Obtain video images of Earth by remote sensing

**Hongyun technology test satellite****Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space**

Committee on Space Research international designator	2018-108A
Name of space object	Hongyun technology test satellite
State of registry	China

Date and territory or location of launch	20 December 2018 UTC; Jiuquan Satellite Launch Centre
Basic orbital parameters	
Nodal period	106.00 minutes
Inclination	99.92 degrees
Apogee	1,070 kilometres
Perigee	1,065 kilometres
General function of space object	Testing of low-Earth-orbit broadband satellite communications technology

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

Space object owner or operator	China
Launch vehicle	CZ-11

**Communications technology test satellite No. 5**

**Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space**

Committee on Space Research international designator	2020-002A
Name of space object	Communications technology test satellite No. 5
State of registry	China
Date and territory or location of launch	7 January 2020 UTC; Xichang Satellite Launch Centre
Basic orbital parameters	
Nodal period	1436.02 minutes
Inclination	0.24 degrees
Apogee	35,808 kilometres
Perigee	35,766 kilometres
General function of space object	Communications satellite

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

Space object owner or operator	China
Launch vehicle	CZ-3B

**JILIN-01 KUANFU 01**

**Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space**

Committee on Space Research international designator	2020-003A
Name of space object	JILIN-01 KUANFU 01

State of registry	China
Date and territory or location of launch	15 January 2020 UTC; Taiyuan Satellite Launch Centre
Basic orbital parameters	
Nodal period	94.22 minutes
Inclination	97.26 degrees
Apogee	490 kilometres
Perigee	472 kilometres
General function of space object	Remote sensing satellite

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

Space object owner or operator	China
Launch vehicle	CZ-2D

## **TIANQI-5**

**Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space**

Committee on Space Research international designator	2020-003D
Name of space object	TIANQI-5
State of registry	China
Date and territory or location of launch	15 January 2020 UTC; Taiyuan Satellite Launch Centre
Basic orbital parameters	
Nodal period	94.17 minutes
Inclination	97.26 degrees
Apogee	488 kilometres
Perigee	469 kilometres
General function of space object	Communications satellite

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

Space object owner or operator	China
Launch vehicle	CZ-2D

## **YINHE-1**

**Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space**

Committee on Space Research international designator	2020-004A
Name of space object	YINHE-1
State of registry	China

Date and territory or location of launch	16 January 2020 UTC; Jiuquan Satellite Launch Centre
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Basic orbital parameters

Nodal period	97.6 minutes
Inclination	86.4 degrees
Apogee	653 kilometres
Perigee	635 kilometres

General function of space object	Communications satellite
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**Additional voluntary information for use in the Register of Objects Launched into Outer Space**

Space object owner or operator	China
Launch vehicle	KZ-1A

**New technology test satellite C**

**Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space**

Committee on Space Research international designator	2020-014A
Name of space object	New technology test satellite C
State of registry	China
Date and territory or location of launch	19 February 2020 UTC; Xichang Satellite Launch Centre

Basic orbital parameters

Nodal period	94.06 minutes
Inclination	35.02 degrees
Apogee	477 kilometres
Perigee	469 kilometres

General function of space object	Test satellite
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**Additional voluntary information for use in the Register of Objects Launched into Outer Space**

Space object owner or operator	China
Launch vehicle	CZ-2D

**New technology test satellite D**

**Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space**

Committee on Space Research international designator	2020-014B
Name of space object	New technology test satellite D
State of registry	China

Date and territory or location of launch	19 February 2020 UTC; Xichang Satellite Launch Centre
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Basic orbital parameters

Nodal period	94.07 minutes
Inclination	35.02 degrees
Apogee	479 kilometres
Perigee	468 kilometres

General function of space object	Test satellite
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**Additional voluntary information for use in the Register of Objects Launched into Outer Space**

Space object owner or operator	China
Launch vehicle	CZ-2D

**New technology test satellite E**

**Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space**

Committee on Space Research international designator	2020-014C
Name of space object	New technology test satellite E
State of registry	China
Date and territory or location of launch	19 February 2020 UTC; Xichang Satellite Launch Centre

Basic orbital parameters

Nodal period	94.07 minutes
Inclination	35.02 degrees
Apogee	476 kilometres
Perigee	470 kilometres

General function of space object	Test satellite
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**Additional voluntary information for use in the Register of Objects Launched into Outer Space**

Space object owner or operator	China
Launch vehicle	CZ-2D

**New technology test satellite F**

**Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space**

Committee on Space Research international designator	2020-014E
Name of space object	New technology test satellite F
State of registry	China

Date and territory or location of launch	19 February 2020 UTC; Xichang Satellite Launch Centre
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Basic orbital parameters

Nodal period	94.07 minutes
Inclination	35.02 degrees
Apogee	479 kilometres
Perigee	468 kilometres

General function of space object	Test satellite
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**Additional voluntary information for use in the Register of Objects Launched into Outer Space**

Space object owner or operator	China
Launch vehicle	CZ-2D

**BDS satellite No. 54**

**Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space**

Committee on Space Research international designator	2020-017A
Name of space object	BDS satellite No. 54
State of registry	China
Date and territory or location of launch	9 March 2020 UTC; Xichang Satellite Launch Centre

Basic orbital parameters

Nodal period	1,436.1 minutes
Inclination	2.28 degrees
Apogee	35,799 kilometres
Perigee	35,774 kilometres

General function of space object	Navigation satellite
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**Additional voluntary information for use in the Register of Objects Launched into Outer Space**

Space object owner or operator	China
Launch vehicle	CZ-3B

**Remote sensing satellite No.30-16**

**Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space**

Committee on Space Research international designator	2020-021A
Name of space object	Remote sensing satellite No.30-16
State of registry	China



Date and territory or location of launch	24 March 2020 UTC; Xichang Satellite Launch Centre
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Basic orbital parameters

Nodal period	96.64 minutes
Inclination	35.00 degrees
Apogee	602 kilometres
Perigee	594 kilometres

General function of space object	Remote sensing satellite
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**Additional voluntary information for use in the Register of Objects Launched into Outer Space**

Space object owner or operator	China
Launch vehicle	CZ-2C

**Remote sensing satellite No.30-17**

**Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space**

Committee on Space Research international designator	2020-021B
Name of space object	Remote sensing satellite No.30-17
State of registry	China
Date and territory or location of launch	24 March 2020 UTC; Xichang Satellite Launch Centre

Basic orbital parameters

Nodal period	96.64 minutes
Inclination	35.00 degrees
Apogee	600 kilometres
Perigee	595 kilometres

General function of space object	Remote sensing satellite
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**Additional voluntary information for use in the Register of Objects Launched into Outer Space**

Space object owner or operator	China
Launch vehicle	CZ-2C

**Remote sensing satellite No.30-18**

**Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space**

Committee on Space Research international designator	2020-021C
Name of space object	Remote sensing satellite No.30-18
State of registry	China

Date and territory or location of launch	24 March 2020 UTC; Xichang Satellite Launch Centre
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Basic orbital parameters

Nodal period	96.64 minutes
Inclination	35.00 degrees
Apogee	599 kilometres
Perigee	597 kilometres

General function of space object	Remote sensing satellite
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**Additional voluntary information for use in the Register of Objects Launched into Outer Space**

Space object owner or operator	China
Launch vehicle	CZ-2C

**XINGYUN-2 01**

**Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space**

Committee on Space Research international designator	2020-028A
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Name of space object	XINGYUN-2 01
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State of registry	China
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Date and territory or location of launch	12 May 2020 UTC; Jiuquan Satellite Launch Centre
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Basic orbital parameters

Nodal period	95.93 minutes
Inclination	97.5 degrees
Apogee	571 kilometres
Perigee	556 kilometres

General function of space object	Verify a number of key technologies, such as space-based Internet of things satellite-ground communication system, digital multi-beam technology and inter-satellite laser communication
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**Additional voluntary information for use in the Register of Objects Launched into Outer Space**

Space object owner or operator	China
Launch vehicle	KZ-1A

**XINGYUN-2 02****Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space**

Committee on Space Research international designator	2020-028B
Name of space object	XINGYUN-2 02
State of registry	China
Date and territory or location of launch	12 May 2020 UTC; Jiuquan Satellite Launch Centre
Basic orbital parameters	
Nodal period	95.93 minutes
Inclination	97.5 degrees
Apogee	571 kilometres
Perigee	556 kilometres
General function of space object	Verify a number of key technologies, such as space-based Internet of things satellite-ground communication system, digital multi-beam technology and inter-satellite laser communication

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

Space object owner or operator	China
Launch vehicle	KZ-1A

**New technology test satellite G****Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space**

Committee on Space Research international designator	2020-032A
Name of space object	New technology test satellite G
State of registry	China
Date and territory or location of launch	29 May 2020 UTC; Xichang Satellite Launch Centre
Basic orbital parameters	
Nodal period	94.07 minutes
Inclination	35.04 degrees
Apogee	479 kilometres
Perigee	468 kilometres
General function of space object	Test satellite

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

Space object owner or operator	China
Launch vehicle	CZ-11

### **New technology test satellite H**

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

Committee on Space Research international designator	2020-032B
Name of space object	New technology test satellite H
State of registry	China
Date and territory or location of launch	29 May 2020 UTC; Xichang Satellite Launch Centre
Basic orbital parameters	
Nodal period	94.07 minutes
Inclination	35.04 degrees
Apogee	479 kilometres
Perigee	468 kilometres
General function of space object	Test satellite

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

Space object owner or operator	China
Launch vehicle	CZ-11

### **GAOFEN 9 02**

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

Committee on Space Research international designator	2020-034B
Name of space object	GAOFEN 9 02
State of registry	China
Date and territory or location of launch	31 May 2020 UTC; Jiuquan Satellite Launch Centre
Basic orbital parameters	
Nodal period	94.51 minutes
Inclination	97.36 degrees
Apogee	502 kilometres
Perigee	488 kilometres
General function of space object	Remote sensing satellite

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

Space object owner or operator	China
Launch vehicle	CZ-2D

### **HEAD-4**

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

Committee on Space Research international designator	2020-034A
Name of space object	HEAD-4
State of registry	China
Date and territory or location of launch	31 May 2020 UTC; Jiuquan Satellite Launch Centre
Basic orbital parameters	
Nodal period	94.37 minutes
Inclination	94.37 degrees
Apogee	496 kilometres
Perigee	480 kilometres
General function of space object	Automatic identification system (AIS) ship identification, Automatic Dependent Surveillance-Broadcast (ADS-B) flight tracking and Internet of things data collection

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

Space object owner or operator	China
Launch vehicle	CZ-2D

### **HY-1D**

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

Committee on Space Research international designator	2020-036A
Name of space object	HY-1D
State of registry	China
Date and territory or location of launch	10 June 2020 UTC; Taiyuan Satellite Launch Centre
Basic orbital parameters	
Nodal period	100.4 minutes
Inclination	98.49 degrees

Apogee	785 kilometres
Perigee	770 kilometres
General function of space object	Earth observation

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

Space object owner or operator	China
Launch vehicle	CZ-2C

**GAOFEN 9 03**

**Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space**

Committee on Space Research international designator	2020-039A
Name of space object	GAOFEN 9 03
State of registry	China
Date and territory or location of launch	17 June 2020 UTC; Jiuquan Satellite Launch Centre
Basic orbital parameters	
Nodal period	94.52 minutes
Inclination	97.37 degrees
Apogee	503 kilometres
Perigee	488 kilometres
General function of space object	Remote sensing satellite

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

Space object owner or operator	China
Launch vehicle	CZ-2D

**ZDPS-3**

**Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space**

Committee on Space Research international designator	2020-039B
Name of space object	ZDPS-3
State of registry	China
Date and territory or location of launch	17 June 2020 UTC; Jiuquan Satellite Launch Centre
Basic orbital parameters	
Nodal period	94.42 minutes
Inclination	97.37 degrees

Apogee	500 kilometres
Perigee	481 kilometres
General function of space object	Conduct in-orbit tests of pico- and nano-satellite technologies, such as multimode measurement and control transponder and space-borne integrated electronic systems

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

Space object owner or operator	China
Launch vehicle	CZ-2D

**HEAD-5**

**Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space**

Committee on Space Research international designator	2020-039C
Name of space object	HEAD-5
State of registry	China
Date and territory or location of launch	17 June 2020 UTC; Jiuquan Satellite Launch Centre
Basic orbital parameters	
Nodal period	94.37 minutes
Inclination	97.37 degrees
Apogee	498 kilometres
Perigee	478 kilometres
General function of space object	AIS ship identification, ADS-B flight tracking, Internet of things data collection

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

Space object owner or operator	China
Launch vehicle	CZ-2D

**BDS satellite No. 55**

**Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space**

Committee on Space Research international designator	2020-040A
Name of space object	BDS satellite No. 55
State of registry	China
Date and territory or location of launch	23 June 2020 UTC; Xichang Satellite Launch Centre

Basic orbital parameters	
Nodal period	1,436 minutes
Inclination	2 degrees
Apogee	35,826 kilometres
Perigee	35,744 kilometres
General function of space object	Navigation satellite

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

Space object owner or operator	China
Launch vehicle	CZ-3B

**BY-2**

**Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space**

Committee on Space Research international designator	2020-042B
Name of space object	BY-2
State of registry	China
Date and territory or location of launch	3 July 2020 UTC; Taiyuan Satellite Launch Centre

Basic orbital parameters	
Nodal period	97.47 minutes
Inclination	97.98 degrees
Apogee	646 kilometres
Perigee	629 kilometres
General function of space object	Earth observation

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

Space object owner or operator	China
Launch vehicle	CZ-4B

**GFDM**

**Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space**

Committee on Space Research international designator	2020-042A
Name of space object	GFDM
State of registry	China
Date and territory or location of launch	3 July 2020 UTC; Taiyuan Satellite Launch Centre



Basic orbital parameters	
Nodal period	97.51 minutes
Inclination	97.97 degrees
Apogee	650 kilometres
Perigee	629 kilometres
General function of space object	Earth observation and imaging
<b>Additional voluntary information for use in the Register of Objects Launched into Outer Space</b>	
Space object owner or operator	China
Launch vehicle	CZ-4B

## SHIYAN 6 02

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

Committee on Space Research international designator	2020-043A
Name of space object	SHIYAN 6 02
State of registry	China
Date and territory or location of launch	5 July 2020 UTC; Jiuquan Satellite Launch Centre
Basic orbital parameters	
Nodal period	99.3 minutes
Inclination	98.2 degrees
Apogee	792 kilometres
Perigee	659 kilometres
General function of space object	Test satellite

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

Space object owner or operator	China
Launch vehicle	CZ-2D

## Apstar-6D

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

Committee on Space Research international designator	2020-045A
Name of space object	Apstar-6D
State of registry	China
Date and territory or location of launch	9 July 2020 UTC; Xichang Satellite Launch Site

## Basic orbital parameters

Nodal period	1,436.1 minutes
Inclination	0.06 degrees
Apogee	35,796 kilometres
Perigee	35,778 kilometres

General function of space object	Communications
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**Additional voluntary information for use in the Register of Objects Launched into Outer Space**

Geostationary position	134 degrees East
Space object owner or operator	China
Launch vehicle	CZ-3B

**Tianwen-1****Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space**

Committee on Space Research international designator	2020-049A
Name of space object	Tianwen-1
State of registry	China
Date and territory or location of launch	23 July 2020 UTC; Wenchang, Hainan
Basic orbital parameters	
Nodal period	-
Inclination	-
Apogee	-
Perigee	-
General function of space object	Orbiting, landing and exploratory roving on Mars

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

Space object owner or operator	China
Launch vehicle	CZ-5
Celestial body	Mars

**Longxia Yan 1****Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space**

Committee on Space Research international designator	2020-051B
Name of space object	Longxia Yan 1
State of registry	China

Date and territory or location of launch	25 July 2020 UTC; Taiyuan Satellite Launch Centre
Basic orbital parameters	
Nodal period	94.27 minutes
Inclination	97.46 degrees
Apogee	492 kilometres
Perigee	475 kilometres
General function of space object	Using a “lobster eye” focused X-ray lens and high-resolution detector, the decay signature of keV sterile neutrinos can be captured by compiling long-term data in the target sky area

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

Space object owner or operator	China
Launch vehicle	CZ-4B

**ZY3-03**

**Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space**

Committee on Space Research international designator	2020-051A
Name of space object	ZY3-03
State of registry	China
Date and territory or location of launch	25 July 2020 UTC; Taiyuan Satellite Launch Centre
Basic orbital parameters	
Nodal period	94.65 minutes
Inclination	97.46 degrees
Apogee	509 kilometres
Perigee	494 kilometres
General function of space object	Mapping

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

Space object owner or operator	China
Launch vehicle	CZ-4B

**TIANQI-10****Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space**

Committee on Space Research international designator	2020-051C
Name of space object	TIANQI-10
State of registry	China
Date and territory or location of launch	25 July 2020 UTC; Taiyuan Satellite Launch Centre
Basic orbital parameters	
Nodal period	94.35 minutes
Inclination	97.46 degrees
Apogee	496 kilometres
Perigee	478 kilometres
General function of space object	The Apocalypse Constellation 10 is equipped with a multiband Internet of things payload system that will provide support for users to conduct narrow-band space-based Internet of things business-level scenario applications

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

Space object owner or operator	China
Launch vehicle	CZ-4B

**GAOFEN 9 04****Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space**

Committee on Space Research international designator	2020-054A
Name of space object	GAOFEN 9 04
State of registry	China
Date and territory or location of launch	6 August 2020 UTC; Jiuquan Satellite Launch Centre
Basic orbital parameters	
Nodal period	94.52 minutes
Inclination	97.43 degrees
Apogee	505 kilometres
Perigee	486 kilometres
General function of space object	Remote sensing satellite

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

Space object owner or operator	China
Launch vehicle	CZ-2D

**TSINGHUA SCIENCE**
**Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space**

Committee on Space Research international designator	2020-054B
Name of space object	TSINGHUA SCIENCE
State of registry	China
Date and territory or location of launch	6 August 2020 UTC; Jiuquan Satellite Launch Centre
Basic orbital parameters	
Nodal period	94.41 minutes
Inclination	97.43 degrees
Apogee	502 kilometres
Perigee	478 kilometres
General function of space object	Scientific satellite

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

Space object owner or operator	China
Launch vehicle	CZ-2D

**GAOFEN 9 05**
**Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space**

Committee on Space Research international designator	2020-058A
Name of space object	GAOFEN 9 05
State of registry	China
Date and territory or location of launch	23 August 2020 UTC; Jiuquan Satellite Launch Centre
Basic orbital parameters	
Nodal period	94.52 minutes
Inclination	97.45 degrees
Apogee	504 kilometres
Perigee	487 kilometres
General function of space object	Remote sensing satellite

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

Space object owner or operator	China
Launch vehicle	CZ-2D

## **GAOFEN 11 2**

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

Committee on Space Research international designator	2020-064A
Name of space object	GAOFEN 11 2
State of registry	China
Date and territory or location of launch	7 September 2020 UTC; Taiyuan Satellite Launch Centre
Basic orbital parameters	
Nodal period	94.51 minutes
Inclination	97.36 degrees
Apogee	496 kilometres
Perigee	494 kilometres
General function of space object	Remote sensing satellite

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

Space object owner or operator	China
Launch vehicle	CZ-4B

## **Jilin-1gf03b01**

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

Committee on Space Research international designator	2020-065A
Name of space object	Jilin-1gf03b01
State of registry	China
Date and territory or location of launch	15 September 2020 UTC; Yellow Sea area
Basic orbital parameters	
Nodal period	95.36 minutes
Inclination	97.48 degrees
Apogee	547 kilometres
Perigee	526 kilometres
General function of space object	Optical remote sensing of Earth

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

Space object owner or operator	China
Launch vehicle	CZ-11H

### **Jilin-1gf03b02**

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

Committee on Space Research international designator	2020-065B
Name of space object	Jilin-1gf03b02
State of registry	China
Date and territory or location of launch	15 September 2020 UTC; Yellow Sea area
Basic orbital parameters	
Nodal period	95.36 minutes
Inclination	97.48 degrees
Apogee	546 kilometres
Perigee	526 kilometres
General function of space object	Optical remote sensing of Earth

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

Space object owner or operator	China
Launch vehicle	CZ-11H

### **Jilin-1gf03b03**

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

Committee on Space Research international designator	2020-065C
Name of space object	Jilin-1gf03b03
State of registry	China
Date and territory or location of launch	15 September 2020 UTC; Yellow Sea area
Basic orbital parameters	
Nodal period	95.36 minutes
Inclination	97.49 degrees
Apogee	546 kilometres
Perigee	527 kilometres
General function of space object	Optical remote sensing of Earth

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

Space object owner or operator	China
Launch vehicle	CZ-11H

### **Jilin-1gf03b04**

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

Committee on Space Research international designator	2020-065D
Name of space object	Jilin-1gf03b04
State of registry	China
Date and territory or location of launch	15 September 2020 UTC; Yellow Sea area
Basic orbital parameters	
Nodal period	95.36 minutes
Inclination	97.48 degrees
Apogee	546 kilometres
Perigee	527 kilometres
General function of space object	Optical remote sensing of Earth

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

Space object owner or operator	China
Launch vehicle	CZ-11H

### **Jilin-1gf03b05**

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

Committee on Space Research international designator	2020-065E
Name of space object	Jilin-1gf03b05
State of registry	China
Date and territory or location of launch	15 September 2020 UTC; Yellow Sea area
Basic orbital parameters	
Nodal period	95.36 minutes
Inclination	97.48 degrees
Apogee	546 kilometres
Perigee	527 kilometres
General function of space object	Optical remote sensing of Earth



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

Space object owner or operator	China
Launch vehicle	CZ-11H

### **Jilin-1gf03b06**

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

Committee on Space Research international designator	2020-065F
Name of space object	Jilin-1gf03b06
State of registry	China
Date and territory or location of launch	15 September 2020 UTC; Yellow Sea area
Basic orbital parameters	
Nodal period	95.36 minutes
Inclination	97.49 degrees
Apogee	547 kilometres
Perigee	525 kilometres
General function of space object	Optical remote sensing of Earth

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

Space object owner or operator	China
Launch vehicle	CZ-11H

### **Jilin-1gf03c01**

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

Committee on Space Research international designator	2020-065G
Name of space object	Jilin-1gf03c01
State of registry	China
Date and territory or location of launch	15 September 2020 UTC; Yellow Sea area
Basic orbital parameters	
Nodal period	95.36 minutes
Inclination	97.48 degrees
Apogee	546 kilometres
Perigee	526 kilometres
General function of space object	Optical remote sensing of Earth

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

Space object owner or operator	China
Launch vehicle	CZ-11H

### **Jilin-1gf03c02**

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

Committee on Space Research international designator	2020-065H
Name of space object	Jilin-1gf03c02
State of registry	China
Date and territory or location of launch	15 September 2020 UTC; Yellow Sea area
Basic orbital parameters	
Nodal period	95.36 minutes
Inclination	97.49 degrees
Apogee	546 kilometres
Perigee	526 kilometres
General function of space object	Optical remote sensing of Earth

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

Space object owner or operator	China
Launch vehicle	CZ-11H

### **Jilin-1gf03c03**

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

Committee on Space Research international designator	2020-065J
Name of space object	Jilin-1gf03c03
State of registry	China
Date and territory or location of launch	15 September 2020 UTC; Yellow Sea area
Basic orbital parameters	
Nodal period	95.37 minutes
Inclination	97.48 degrees
Apogee	546 kilometres
Perigee	527 kilometres
General function of space object	Optical remote sensing of Earth

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

Space object owner or operator	China
Launch vehicle	CZ-11H

### **HY-02C**

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

Committee on Space Research international designator	2020-066A
Name of space object	HY-02C
State of registry	China
Date and territory or location of launch	21 September 2020 UTC; Jiuquan Satellite Launch Centre
Basic orbital parameters	
Nodal period	104.09 minutes
Inclination	65.99 degrees
Apogee	960 kilometres
Perigee	943 kilometres
General function of space object	Monitor and conduct research on the marine environment and provide support services for marine disaster prevention and mitigation, protection of marine rights and interests, development of marine resources, marine environmental protection and marine scientific research

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

Space object owner or operator	China
Launch vehicle	CZ-4B

### **HJ-02A**

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

Committee on Space Research international designator	2020-067A
Name of space object	HJ-02A
State of registry	China
Date and territory or location of launch	27 September 2020 UTC; Taiyuan Satellite Launch Centre
Basic orbital parameters	
Nodal period	97.53 minutes
Inclination	98.01 degrees

Apogee	642 kilometres
Perigee	639 kilometres
General function of space object	Earth observation

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

Space object owner or operator	China
Launch vehicle	CZ-4B

**HJ-02B**

**Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space**

Committee on Space Research international designator	2020-067B
Name of space object	HJ-02B
State of registry	China
Date and territory or location of launch	27 September 2020 UTC; Taiyuan Satellite Launch Centre
Basic orbital parameters	
Nodal period	97.53 minutes
Inclination	98.02 degrees
Apogee	642 kilometres
Perigee	639 kilometres
General function of space object	Earth observation

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

Space object owner or operator	China
Launch vehicle	CZ-4B

**GAOFEN 13**

**Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space**

Committee on Space Research international designator	2020-071A
Name of space object	GAOFEN 13
State of registry	China
Date and territory or location of launch	11 October 2020 UTC; Xichang Satellite Launch Centre
Basic orbital parameters	
Nodal period	1,436 minutes
Inclination	1.1 degrees

Apogee	35,799 kilometres
Perigee	35,772 kilometres
General function of space object	Remote sensing satellite

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

Space object owner or operator	China
Launch vehicle	CZ-3B

**TIANQI-6**

**Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space**

Committee on Space Research international designator	2020-076D
Name of space object	TIANQI-6
State of registry	China
Date and territory or location of launch	26 October 2020 UTC; Xichang Satellite Launch Centre
Basic orbital parameters	
Nodal period	96.54 minutes
Inclination	35 degrees
Apogee	602 kilometres
Perigee	584 kilometres
General function of space object	The Apocalypse Constellation 06 is equipped with a multiband Internet of things payload system that will provide support for users to conduct narrow-band space-based Internet of things business-level scenario applications

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

Space object owner or operator	China
Launch vehicle	CZ-2C

**YAOGAN-30 W**

**Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space**

Committee on Space Research international designator	2020-076C
Name of space object	YAOGAN-30 W
State of registry	China
Date and territory or location of launch	26 October 2020 UTC; Xichang Satellite Launch Centre

Basic orbital parameters	
Nodal period	96.64 minutes
Inclination	35 degrees
Apogee	598 kilometres
Perigee	598 kilometres
General function of space object	Remote sensing satellite

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

Space object owner or operator	China
Launch vehicle	CZ-2C

**YAOGAN-30 V**

**Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space**

Committee on Space Research international designator	2020-076B
Name of space object	YAOGAN-30 V
State of registry	China
Date and territory or location of launch	26 October 2020 UTC; Xichang Satellite Launch Centre

Basic orbital parameters	
Nodal period	96.64 minutes
Inclination	35 degrees
Apogee	600 kilometres
Perigee	596 kilometres
General function of space object	Remote sensing satellite

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

Space object owner or operator	China
Launch vehicle	CZ-2C

**YAOGAN-30 U**

**Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space**

Committee on Space Research international designator	2020-076A
Name of space object	YAOGAN-30 U
State of registry	China
Date and territory or location of launch	26 October 2020 UTC; Xichang Satellite Launch Centre

Basic orbital parameters	
Nodal period	96.64 minutes
Inclination	35 degrees
Apogee	603 kilometres
Perigee	593 kilometres
General function of space object	Remote sensing satellite

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

Space object owner or operator	China
Launch vehicle	CZ-2C

**TIANYAN-05**

**Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space**

Committee on Space Research international designator	2020-079L
Name of space object	TIANYAN-05
State of registry	China
Date and territory or location of launch	6 November 2020 UTC; Taiyuan Satellite Launch Centre

Basic orbital parameters	
Nodal period	93.87 minutes
Inclination	97.23 degrees
Apogee	470 kilometres
Perigee	458 kilometres
General function of space object	Remote-sensing imaging satellite

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

Space object owner or operator	China
Launch vehicle	CZ-6

**Beihangkongshi 1**

**Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space**

Committee on Space Research international designator	2020-079M
Name of space object	Beihangkongshi 1
State of registry	China
Date and territory or location of launch	6 November 2020 UTC; Taiyuan Satellite Launch Centre

Basic orbital parameters	
Nodal period	93.82 minutes
Inclination	97.23 degrees
Apogee	467 kilometres
Perigee	456 kilometres
General function of space object	Used for space science experiments and technological verification

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

Space object owner or operator	China
Launch vehicle	CZ-6

**BY70-3**

**Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space**

Committee on Space Research international designator	2020-079N
Name of space object	BY70-3
State of registry	China
Date and territory or location of launch	6 November 2020 UTC; Taiyuan Satellite Launch Centre
Basic orbital parameters	
Nodal period	93.82 minutes
Inclination	97.23 degrees
Apogee	468 kilometres
Perigee	456 kilometres
General function of space object	Popularize space science education and scientific experiments

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

Space object owner or operator	China
Launch vehicle	CZ-6

**TIANQI-11**

**Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space**

Committee on Space Research international designator	2020-080A
Name of space object	TIANQI-11
State of registry	China



Date and territory or location of launch	7 November 2020 UTC; Jiuquan Satellite Launch Centre
Basic orbital parameters	
Nodal period	94.37 minutes
Inclination	97.44 degrees
Apogee	497 kilometres
Perigee	479 kilometres
General function of space object	The Apocalypse Constellation 11 is equipped with a multiband Internet of things payload system that will provide support for users to conduct narrow-band space-based Internet of things business-level scenario applications

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

Space object owner or operator	China
Launch vehicle	CERES-1

**TIANTONG-1 2**

**Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space**

Committee on Space Research international designator	2020-082A
Name of space object	TIANTONG-1 2
State of registry	China
Date and territory or location of launch	12 November 2020 UTC; Xichang Satellite Launch Centre
Basic orbital parameters	
Nodal period	1,436.05 minutes
Inclination	4.71 degrees
Apogee	35,795 kilometres
Perigee	35,776 kilometres
General function of space object	Communications satellite

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

Space object owner or operator	China
Launch vehicle	CZ-3B

**Chang'e-5****Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space**

Committee on Space Research international designator	2020-087A
Name of space object	Chang'e-5
State of registry	China
Date and territory or location of launch	24 November 2020 UTC; Wenchang
Basic orbital parameters	
Nodal period	-
Inclination	-
Apogee	-
Perigee	-
General function of space object	Deep-space exploration

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

Change of status in operations	
Date when space object is no longer functional	17 December 2020 UTC
Space object owner or operator	China
Launch vehicle	CZ-5
Celestial body	Moon

**GAOFEN 14****Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space**

Committee on Space Research international designator	2020-092A
Name of space object	GAOFEN 14
State of registry	China
Date and territory or location of launch	6 December 2020 UTC; Xichang Satellite Launch Centre
Basic orbital parameters	
Nodal period	94.39 minutes
Inclination	97.41 degrees
Apogee	490 kilometres
Perigee	488 kilometres
General function of space object	Remote sensing satellite

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

Space object owner or operator	China
Launch vehicle	CZ-3B G5

### **GECAM A**

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

Committee on Space Research international designator	2020-094A
Name of space object	GECAM A
State of registry	China
Date and territory or location of launch	9 December 2020 UTC; Xichang Satellite Launch Centre
Basic orbital parameters	
Nodal period	96.59 minutes
Inclination	29 degrees
Apogee	604 kilometres
Perigee	587 kilometres
General function of space object	Monitoring high-energy electromagnetic counterparts from gravitational wave events

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

Space object owner or operator	China
Launch vehicle	CZ-11

### **GECAM B**

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

Committee on Space Research international designator	2020-094B
Name of space object	GECAM B
State of registry	China
Date and territory or location of launch	9 December 2020 UTC; Xichang Satellite Launch Centre
Basic orbital parameters	
Nodal period	96.59 minutes
Inclination	29 degrees
Apogee	604 kilometres
Perigee	586 kilometres
General function of space object	Monitoring high-energy electromagnetic counterparts from gravitational wave events

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

Space object owner or operator	China
Launch vehicle	CZ-11

### **Yuanguang**

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

Committee on Space Research international designator	2020-102A
Name of space object	Yuanguang
State of registry	China
Date and territory or location of launch	22 December 2020 UTC; Wenchang
Basic orbital parameters	
Nodal period	94.76 minutes
Inclination	97.43 degrees
Apogee	512 kilometres
Perigee	502 kilometres
General function of space object	Used for space science experiments and technological verification

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

Space object owner or operator	China
Launch vehicle	CZ-8

### **Haisi 1**

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

Committee on Space Research international designator	2020-102B
Name of space object	Haisi 1
State of registry	China
Date and territory or location of launch	22 December 2020 UTC; Wenchang
Basic orbital parameters	
Nodal period	94.75 minutes
Inclination	97.43 degrees
Apogee	510 kilometres
Perigee	503 kilometres
General function of space object	Used for space science experiments and technological verification

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

Space object owner or operator	China
Launch vehicle	CZ-8

### **TIANQI-8**

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

Committee on Space Research international designator	2020-102D
Name of space object	TIANQI-8
State of registry	China
Date and territory or location of launch	22 December 2020 UTC; Wenchang
Basic orbital parameters	
Nodal period	94.7 minutes
Inclination	97.43 degrees
Apogee	508 kilometres
Perigee	501 kilometres
General function of space object	Communications satellite

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

Space object owner or operator	China
Launch vehicle	CZ-8 Y1

### **SMART 01-A**

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

Committee on Space Research international designator	2020-102E
Name of space object	SMART 01-A
State of registry	China
Date and territory or location of launch	22 December 2020 UTC; Wenchang
Basic orbital parameters	
Nodal period	94.62 minutes
Inclination	97.43 degrees
Apogee	504 kilometres
Perigee	496 kilometres
General function of space object	Earth observation satellite

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

Space object owner or operator	China
Launch vehicle	CZ-8 Y1

## **WEINA 2**

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

Committee on Space Research international designator	2020-103B
Name of space object	WEINA 2
State of registry	China
Date and territory or location of launch	27 December 2020 UTC; Jiuquan Satellite Launch Centre
Basic orbital parameters	
Nodal period	98.68 minutes
Inclination	98.23 degrees
Apogee	697 kilometres
Perigee	695 kilometres
General function of space object	Remote sensing satellite

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

Space object owner or operator	China
Launch vehicle	CZ-4C

## **YAOGAN-33**

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

Committee on Space Research international designator	2020-103A
Name of space object	YAOGAN-33
State of registry	China
Date and territory or location of launch	27 December 2020 UTC; Jiuquan Satellite Launch Centre
Basic orbital parameters	
Nodal period	98.68 minutes
Inclination	98.23 degrees
Apogee	697 kilometres
Perigee	695 kilometres
General function of space object	Remote sensing satellite

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

Space object owner or operator	China
Launch vehicle	CZ-4C

### **TIANTONG-1 03**

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

Committee on Space Research international designator	2021-003A
Name of space object	TIANTONG-1 03
State of registry	China
Date and territory or location of launch	19 January 2021 UTC; Xichang Satellite Launch Centre
Basic orbital parameters	
Nodal period	1,436.12 minutes
Inclination	5.19 degrees
Apogee	35,808 kilometres
Perigee	35,766 kilometres
General function of space object	Communications satellite

### **YAOGAN-31 F**

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

Committee on Space Research international designator	2021-007E
Name of space object	YAOGAN-31 F
State of registry	China
Date and territory or location of launch	29 January 2021 UTC; Jiuquan Satellite Launch Centre
Basic orbital parameters	
Nodal period	107.05 minutes
Inclination	63.41 degrees
Apogee	1,102 kilometres
Perigee	1,078 kilometres
General function of space object	Remote sensing satellite

**YAOGAN-31 E****Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space**

Committee on Space Research international designator	2021-007B
Name of space object	YAOGAN-31 E
State of registry	China
Date and territory or location of launch	29 January 2021 UTC; Jiuquan Satellite Launch Centre
Basic orbital parameters	
Nodal period	107.05 minutes
Inclination	63.41 degrees
Apogee	1,102 kilometres
Perigee	1,078 kilometres
General function of space object	Remote sensing satellite

**YAOGAN-31 D****Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space**

Committee on Space Research international designator	2021-007A
Name of space object	YAOGAN-31 D
State of registry	China
Date and territory or location of launch	29 January 2021 UTC; Jiuquan Satellite Launch Centre
Basic orbital parameters	
Nodal period	107.05 minutes
Inclination	63.41 degrees
Apogee	1,102 kilometres
Perigee	1,078 kilometres
General function of space object	Remote sensing satellite

**TJS-6****Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space**

Committee on Space Research international designator	2021-010A
Name of space object	TJS-6
State of registry	China
Date and territory or location of launch	4 February 2021 UTC; Xichang Satellite Launch Centre



Basic orbital parameters	
Nodal period	1,436.14 minutes
Inclination	0.68 degrees
Apogee	35,791 kilometres
Perigee	35,784 kilometres
General function of space object	Communications satellite

## YAOGAN-31 J

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

Committee on Space Research international designator	2021-014E
Name of space object	YAOGAN-31 J
State of registry	China
Date and territory or location of launch	24 February 2021 UTC; Jiuquan Satellite Launch Centre
Basic orbital parameters	
Nodal period	107.05 minutes
Inclination	63.40 degrees
Apogee	1,102 kilometres
Perigee	1,078 kilometres
General function of space object	Remote sensing satellite

## YAOGAN-31 H

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

Committee on Space Research international designator	2021-014C
Name of space object	YAOGAN-31 H
State of registry	China
Date and territory or location of launch	24 February 2021 UTC; Jiuquan Satellite Launch Centre
Basic orbital parameters	
Nodal period	107.05 minutes
Inclination	634.1 degrees
Apogee	1,102 kilometres
Perigee	1,077 kilometres
General function of space object	Remote sensing satellite

**YAOGAN-31 G****Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space**

Committee on Space Research international designator	2021-014A
Name of space object	YAOGAN-31 G
State of registry	China
Date and territory or location of launch	24 February 2021 UTC; Jiuquan Satellite Launch Centre
Basic orbital parameters	
Nodal period	107.05 minutes
Inclination	63.41 degrees
Apogee	1,102 kilometres
Perigee	1,078 kilometres
General function of space object	Remote sensing satellite

**SHIYAN 9****Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space**

Committee on Space Research international designator	2021-019A
Name of space object	SHIYAN 9
State of registry	China
Date and territory or location of launch	12 March 2021 UTC; Wenchang
Basic orbital parameters	
Nodal period	600 minutes
Inclination	19.6 degrees
Apogee	36,000 kilometres
Perigee	500 kilometres
General function of space object	Test satellite

**YAOGAN-31 M****Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space**

Committee on Space Research international designator	2021-020D
Name of space object	YAOGAN-31 M
State of registry	China
Date and territory or location of launch	13 March 2021 UTC; Jiuquan Satellite Launch Centre

Basic orbital parameters	
Nodal period	107.05 minutes
Inclination	[63.41 degrees]
Apogee	1,100 kilometres
Perigee	1,079 kilometres
General function of space object	Remote sensing satellite

## YAOGAN-31 L

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

Committee on Space Research international designator	2021-020C
Name of space object	YAOGAN-31 L
State of registry	China
Date and territory or location of launch	13 March 2021 UTC; Jiuquan Satellite Launch Centre
Basic orbital parameters	
Nodal period	107.05 minutes
Inclination	63.41 degrees
Apogee	1,100 kilometres
Perigee	1,080 kilometres
General function of space object	Remote sensing satellite

## YAOGAN-31 K

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

Committee on Space Research international designator	2021-020A
Name of space object	YAOGAN-31 K
State of registry	China
Date and territory or location of launch	13 March 2021 UTC; Jiuquan Satellite Launch Centre
Basic orbital parameters	
Nodal period	107.05 minutes
Inclination	63.41 degrees
Apogee	1,100 kilometres
Perigee	1,080 kilometres
General function of space object	Remote sensing satellite

**GAOFEN 12 (02)****Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space**

Committee on Space Research international designator	2021-026A
Name of space object	GAOFEN 12 (02)
State of registry	China
Date and territory or location of launch	30 March 2021 UTC; Jiuquan Satellite Launch Centre
Basic orbital parameters	
Nodal period	97.28 minutes
Inclination	97.87 degrees
Apogee	630 kilometres
Perigee	627 kilometres
General function of space object	Remote sensing satellite

**SHIYAN 6 03****Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space**

Committee on Space Research international designator	2021-028A
Name of space object	SHIYAN 6 03
State of registry	China
Date and territory or location of launch	8 April 2021 UTC; Jiuquan Satellite Launch Centre
Basic orbital parameters	
Nodal period	105.04 minutes
Inclination	99.50 degrees
Apogee	1,003 kilometres
Perigee	990 kilometres
General function of space object	Test satellite

**TIANHE****Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space**

Committee on Space Research international designator	2021-035A
Name of space object	TIANHE
State of registry	China
Date and territory or location of launch	29 April 2021 UTC; Wenchang

Basic orbital parameters	
Nodal period	90.18 minutes
Inclination	41.419 degrees
Apogee	396.6 kilometres
Perigee	169.6 kilometres
General function of space object	Space station core cabin module

### **YAOGAN-34**

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

Committee on Space Research international designator	2021-037A
Name of space object	YAOGAN-34
State of registry	China
Date and territory or location of launch	30 April 2021 UTC; Jiuquan Satellite Launch Centre

Basic orbital parameters	
Nodal period	107.05 minutes
Inclination	63.41 degrees
Apogee	1,100 kilometres
Perigee	1,080 kilometres
General function of space object	Remote sensing satellite

### **YAOGAN-30 Z**

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

Committee on Space Research international designator	2021-039C
Name of space object	YAOGAN-30 Z
State of registry	China
Date and territory or location of launch	6 May 2021 UTC; Xichang Satellite Launch Centre

Basic orbital parameters	
Nodal period	96.65 minutes
Inclination	35 degrees
Apogee	601 kilometres
Perigee	595 kilometres
General function of space object	Remote sensing satellite

**YAOGAN-30 Y****Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space**

Committee on Space Research international designator	2021-039B
Name of space object	YAOGAN-30 Y
State of registry	China
Date and territory or location of launch	6 May 2021 UTC; Xichang Satellite Launch Centre
Basic orbital parameters	
Nodal period	96.65 minutes
Inclination	35 degrees
Apogee	602 kilometres
Perigee	594 kilometres
General function of space object	Remote sensing satellite

**YAOGAN-30 X****Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space**

Committee on Space Research international designator	2021-039A
Name of space object	YAOGAN-30 X
State of registry	China
Date and territory or location of launch	6 May 2021 UTC; Xichang Satellite Launch Centre
Basic orbital parameters	
Nodal period	96.65 minutes
Inclination	35 degrees
Apogee	602 kilometres
Perigee	594 kilometres
General function of space object	Remote sensing satellite

**TIANZHOU-2****Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space**

Committee on Space Research international designator	2021-046A
Name of space object	TIANZHOU-2
State of registry	China
Date and territory or location of launch	29 May 2021 UTC; Wenchang

Basic orbital parameters	
Nodal period	89.85 minutes
Inclination	41.56 degrees
Apogee	332.7 kilometres
Perigee	200 kilometres
General function of space object	Cargo spacecraft

## SHENZHOU-12

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

Committee on Space Research international designator	2021-053A
Name of space object	SHENZHOU-12
State of registry	China
Date and territory or location of launch	17 June 2021 UTC; Jiuquan Satellite Launch Centre

Basic orbital parameters	
Nodal period	89.85 minutes
Inclination	41.35 degrees
Apogee	347.9 kilometres
Perigee	200 kilometres
General function of space object	Crewed spacecraft

## YAOGAN-30 AC

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

Committee on Space Research international designator	2021-055D
Name of space object	YAOGAN-30 AC
State of registry	China
Date and territory or location of launch	18 June 2021 UTC; Xichang Satellite Launch Centre

Basic orbital parameters	
Nodal period	96.45 minutes
Inclination	35 degrees
Apogee	594 kilometres
Perigee	584 kilometres
General function of space object	Remote sensing satellite

**YAOGAN-30 AB****Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space**

Committee on Space Research international designator	2021-055B
Name of space object	YAOGAN-30 AB
State of registry	China
Date and territory or location of launch	18 June 2021 UTC; Xichang Satellite Launch Centre
Basic orbital parameters	
Nodal period	96.74 minutes
Inclination	34.99 degrees
Apogee	607 kilometres
Perigee	599 kilometres
General function of space object	Remote sensing satellite

**YAOGAN-30 AA****Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space**

Committee on Space Research international designator	2021-055A
Name of space object	YAOGAN-30 AA
State of registry	China
Date and territory or location of launch	18 June 2021 UTC; Xichang Satellite Launch Centre
Basic orbital parameters	
Nodal period	96.93 minutes
Inclination	35 degrees
Apogee	619 kilometres
Perigee	605 kilometres
General function of space object	Remote sensing satellite

**TIANZHOU-3****Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space**

Committee on Space Research international designator	2021-085A
Name of space object	TIANZHOU-3
State of registry	China
Date and territory or location of launch	20 September 2021 UTC; Wenchang



Basic orbital parameters	
Nodal period	89.93 minutes
Inclination	41.6 degrees
Apogee	342 kilometres
Perigee	200 kilometres
General function of space object	Cargo spacecraft

## SHENZHOU-13

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

Committee on Space Research international designator	2021-092A
Name of space object	SHENZHOU-13
State of registry	China
Date and territory or location of launch	16 October 2021 UTC; Jiuquan Satellite Launch Centre

Basic orbital parameters	
Nodal period	89.93 minutes
Inclination	41.46 degrees
Apogee	356 kilometres
Perigee	200 kilometres
General function of space object	Crewed spacecraft

## China Space Station

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

Committee on Space Research international designator	-
Name of space object	China Space Station
State of registry	China
Date and territory or location of launch	-

#### Basic orbital parameters [(information update)]

Nodal period	90 minutes
Inclination	41.38~41.5 degrees
Apogee	393±10 kilometres
Perigee	393±10 kilometres
General function of space object	Crewed space station