



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

Note verbale dated 25 March 2022 from the Permanent Mission of France to the United Nations (Vienna) addressed to the Secretary-General

The Permanent Mission of France 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), has the honour to submit herewith information on 16 space objects registered by France in 2021 (nine satellites, including one EUTELSAT satellite, and seven launcher elements).

The annexes to the present note contain the following information for 2021:¹

- Pursuant to article IV, paragraph 1, of the Convention, a list of satellites registered by France (annex I, table 1), a list of space objects launched into orbit registered by France (annex I, table 2) and a list of satellites launched by France on behalf of foreign operators (not registered by France) (annex I, table 3)
- Pursuant to article IV, paragraph 3, of the Convention, a list of space objects registered by France that have re-entered the atmosphere (annex II)
- Pursuant to article IV, paragraph 2, of the Convention, and in implementation of the recommendations made by the Committee on the Peaceful Uses of Outer Space, France wishes to furnish to the Secretary-General the following additional information on space objects included in its national registry: satellites operating in low Earth orbit (annex III, table 1), satellites operating in geostationary orbit (annex III, table 2) and satellites that remain in orbit but are no longer operational (annex III, table 3)

As at 31 December 2021, the national registry contained data on 398 space objects, of which 150 were satellites (including 76 operational satellites) and 248 were launcher elements (launcher stages and carrier structures).

Of the aforementioned 150 satellites, it should be noted that 48 are catalogued as EUTELSAT satellites and that the satellites of the intergovernmental organization EUTELSAT are registered by France in accordance with an agreement that remains in force between France and that organization (19 satellites were launched between 1983 and mid-2001).

The second-generation Globalstar satellites, of which there are currently 24, are registered by France in accordance with the Order of 29 August 2011 (article 9).

¹ The data on space objects referenced in the annexes were entered into the Register of Objects Launched into Outer Space on 29 April 2022.



Annex I

Information on space objects launched by France in 2021*

Table 1
Satellites registered by France in 2021

International designator	Date of the launch	Launch site	Name of the launcher	Basic orbital characteristics				General function of the space object	Launch number	Remarks	
				Nodal period (minutes)	Inclination (degrees)	Apogee (km)	Perigee (km)			Satellites	
2021-006AB	24 January 2021	AFETR	Falcon	95.13	97.47	533	517	Earth observation	-	UVSQ-SAT	
2021-034A	29 April 2021	CSG	VEGA	97.2468	97.8946	629	612	Earth observation	VV18	Pleiades NEO 3 (PNEO3)	
2021-069B	30 July 2021	CSG	Ariane 5	1 436	0	35 786	35 786	Telecommunications	VA254	Eutelsat QUANTUM	
2021-073A	17 August 2021	CSG	VEGA	95.46	97.55	561	521	Unseenlabs maritime surveillance	VV19	BRO-4	
2021-073E	17 August 2021	CSG	VEGA	97.2468	97.8946	629	612	Earth observation	VV19	Pleiades NEO 4 (PNEO4)	
2021-095B	24 October 2021	CSG	Ariane 5	784.81	5.24	39 769	3 843	Telecommunications	VA255	SYRACUSE 4A	
2021-105A	16 November 2021	CSG	VEGA	98.74	75.02	699	698	Earth observation	VV20	CERES 1	
2021-105B	16 November 2021	CSG	VEGA	98.73	75.03	699	697	Earth observation	VV20	CERES 2	
2021-105C	16 November 2021	CSG	VEGA	97.67	74.99	648	646	Earth observation	VV20	CERES 3	

Abbreviations: AFETR, United States Air Force Eastern Test Range (Cape Canaveral, Florida, United States of America); CSG, Guiana Space Centre (Kourou, France).

Table 2
Space objects registered by France in 2021

International designator	Date of the launch	Launch site	Name of the launcher	Basic orbital characteristics				General function of the space object	Launch number	Remarks	
				Nodal period (minutes)	Inclination (degrees)	Apogee (km)	Perigee (km)			Launched space object	State/organization
2021-069C	30 July 2021	CSG	AR5 ECA	632.828	3.002	35 826.8	250	SYLDA carrier structure	VA254	SYLDA	France
2021-069D	30 July 2021	CSG	AR5 ECA	626.878	2.995	35 562.2	233	ESC-A cryogenic upper stage	VA254	ESC-A	France
2021-095C	24 October 2021	CSG	AR5 ECA	623.508	5.992	35 344.4	251.8	SYLDA carrier structure	VA255	SYLDA	France
2021-095D	24 October 2021	CSG	AR5 ECA	627.362	2.995	35 562.2	233	ESC-A cryogenic upper stage	VA255	ESC-A	France

* The data are reproduced in the form in which they were received.

International designator	Date of the launch	Launch site	Name of the launcher	Basic orbital characteristics				General function of the space object	Launch number	Remarks	
				Nodal period (minutes)	Inclination (degrees)	Apogee (km)	Perigee (km)			Launched space object	State/organization
2021-105D	16 November 2021	CSG	VEGA	95.5317	74.964	641.3	447.3	Passive upper stage (AVUM)	VV20	AVUM	France
2021-116C	5 December 2021	CSG	Soyuz	858.188	57.09	23 543	23 533	Fregat upper stage	VS26	Fregat	CIS
2021-130B	25 December 2021	CSG	AR5 ECA	55 098.9	4.054	1 886 354	6 720.41	ESC-A cryogenic upper stage	VA256	ESC-A	France

Abbreviations: CIS, Commonwealth of Independent States; CSG, Guiana Space Centre (Kourou, France).

Note: The VV18 and VV19 launchers did not leave an object in orbit.

Table 3

Satellites launched by France on behalf of foreign operators (not registered by France) in 2021

International designator	Date of the launch	Launch site	Name of the launcher	Basic orbital characteristics				General function of the space object	Launch number	Remarks	
				Nodal period (minutes)	Inclination (degrees)	Apogee (km)	Perigee (km)			Launched space object	State/organization
2021-034C	29 April 2021	CSG	VEGA	96.91	97.77	613	609	Technology demonstration	VV18	All-BRAVO	Lithuania
2021-034D	29 April 2021	CSG	VEGA	96.88	97.77	611	608	Telecommunications	VV18	Tyvak-182A (Eutelsat ELO alpha)	Italy
2021-034E	29 April 2021	CSG	VEGA	96.86	97.77	610	606	Navigation	VV18	NorSat 3	Norway
2021-034F	29 April 2021	CSG	VEGA	96.90	97.77	612	608	Meteorology and navigation	VV18	Lemur 2 Special K	United States
2021-069A	30 July 2021	CSG	Ariane 5	1 436.08	0.00	35 796	35 777	Telecommunications	VA254	STARONE D2	Brazil
2021-073B	17 August 2021	CSG	VEGA	95.51	97.55	562	525	Technology demonstration	VV19	RadCube	Hungary
2021-073C	17 August 2021	CSG	VEGA	95.52	97.55	562	525	Technology demonstration	VV19	Sunstorm	Finland
2021-073D	17 August 2021	CSG	VEGA	95.53	97.55	563	525	Technology demonstration	VV19	LEDSAT	Italy
2021-095A	24 October 2021	CSG	Ariane 5	798.85	5.14	39 627	4 655	Telecommunications	VA255	SES 17	SES
2021-116A	5 December 2021	CSG	Soyuz	859.33	57.10	23 596	23 530	Navigation	VS26	GALILEO 27 (223)	ESA
2021-116B	5 December 2021	CSG	Soyuz	858.49	57.08	23 573	23 514	Navigation	VA256	GALILEO 28 (224)	ESA
2021-130A	25 December 2021	CSG	Ariane 5	-	-	-	-	Observation	VA256	JWST	ESA

Abbreviations: CSG, Guiana Space Centre (Kourou, France); ESA, European Space Agency; SES, Société Européenne des Satellites.

Annex II

Information provided by France in conformity with article IV, paragraph 3, of the Convention on Registration of Objects Launched into Outer Space on space objects registered by France that re-entered the Earth's atmosphere in 2021*

<i>International designator</i>	<i>Date of the launch</i>	<i>General function of the space object</i>	<i>Date of atmospheric re-entry</i>
2016-060D	5 October 2016	SYLDA Ariane 5	6 January 2021
2009-044D	21 May 2009	SYLDA Ariane 5	17 January 2021
2014-062D	16 October 2014	SYLDA Ariane 5	24 January 2021
2013-038C	25 July 2013	SYLDA Ariane 5	10 February 2021
1992-041C	9 July 1992	Ariane 44L launcher	16 March 2021
2008-030D	12 June 2008	SYLDA Ariane 5	20 May 2021
1998-075B	22 December 1998	Ariane 42L launcher	17 June 2021
1999-067QP	4 July 2019	EntrySat ^a	10 August 2021

^a Owing to an omission, EntrySat did not appear in annex III, table 3, in earlier submissions; it was launched from the International Space Station (ISS) on 4 July 2019.

Note: These data do not include re-entering debris generated by objects that remain in orbit or that had previously re-entered the atmosphere.

* The registration data are reproduced in the form in which they were received.

Annex III

Additional information provided by France in conformity with article IV, paragraph 2, of the Convention on Registration of Objects Launched into Outer Space on space objects registered by France as at 31 December 2021*

Table 1
Satellites registered by France and operating in low Earth orbit

No.	Registration number	Satellite	Type of orbit
1	2004-049A	HELIOS 2A space observation satellite	Polar orbit
2	2006-016B	CALIPSO satellite for three-dimensional characterization of clouds and aerosols	700 km polar orbit
3	2009-073A	HELIOS 2B space observation satellite	Polar orbit
4	2010-054A	Globalstar M079 communication satellite	1,400 km orbit inclined at 52°
5	2010-054B	Globalstar M074 communication satellite	1,400 km orbit inclined at 52°
6	2010-054C	Globalstar M076 communication satellite	1,400 km orbit inclined at 52°
7	2010-054D	Globalstar M077 communication satellite	1,400 km orbit inclined at 52°
8	2010-054E	Globalstar M075 communication satellite	1,400 km orbit inclined at 52°
9	2010-054F	Globalstar M073 communication satellite	1,400 km orbit inclined at 52°
10	2011-033A	Globalstar M083 communication satellite	1,400 km orbit inclined at 52°
11	2011-033B	Globalstar M088 communication satellite	1,400 km orbit inclined at 52°
12	2011-033C	Globalstar M091 communication satellite	1,400 km orbit inclined at 52°
13	2011-033D	Globalstar M085 communication satellite	1,400 km orbit inclined at 52°
14	2011-033E	Globalstar M081 communication satellite	1,400 km orbit inclined at 52°
15	2011-033F	Globalstar M089 communication satellite	1,400 km orbit inclined at 52°
	2011-076A	ELISA W11 listening system microsatellite^a	Polar orbit
	2011-076B	ELISA E24 listening system microsatellite^a	Polar orbit
	2011-076C	ELISA W23 listening system microsatellite^a	Polar orbit
	2011-076D	ELISA E12 listening system microsatellite^a	Polar orbit
16	2011-076F	PLEIADES-1A Earth observation satellite	700 km polar orbit
17	2011-080A	Globalstar M084 communication satellite	1,400 km orbit inclined at 52°
18	2011-080B	Globalstar M080 communication satellite	1,400 km orbit inclined at 52°

* The registration data are reproduced in the form in which they were received.

No.	Registration number	Satellite	Type of orbit
19	2011-080C	Globalstar M082 communication satellite	1,400 km orbit inclined at 52°
20	2011-080D	Globalstar M092 communication satellite	1,400 km orbit inclined at 52°
21	2011-080E	Globalstar M090 communication satellite	1,400 km orbit inclined at 52°
22	2011-080F	Globalstar M086 communication satellite	1,400 km orbit inclined at 52°
23	2012-047A	SPOT 6 Earth observation satellite	700 km polar orbit
24	2012-068A	PLEIADES-1B Earth observation satellite	700 km polar orbit
25	2013-005A	Globalstar M097 communication satellite	1,400 km orbit inclined at 52°
26	2013-005B	Globalstar M093 communication satellite	1,400 km orbit inclined at 52°
27	2013-005C	Globalstar M094 communication satellite	1,400 km orbit inclined at 52°
28	2013-005D	Globalstar M096 communication satellite	1,400 km orbit inclined at 52°
29	2013-005E	Globalstar M078 communication satellite	1,400 km orbit inclined at 52°
30	2013-005F	Globalstar M095 communication satellite	1,400 km orbit inclined at 52°
31	2017-036AD	Robusta 1B	505 km orbit inclined at 97°
32	2018-106A	CSO-1	Polar orbit
33	2019-054A	BRO-1	540 km orbit inclined at 45°
34	2019-038K ^b	ROBUSTA 1C ("Object K")	530 km polar orbit
35	2019-092D	ANGELS	500 km polar orbit
36	2019-092E	EYESAT	500 km polar orbit
37	2020-085M	BRO-2	513 km orbit inclined at 97°
38	2020-085Q	BRO-3	514 km orbit inclined at 97°
39	2020-104A	CSO-2	Polar orbit
40	2021-006AB	UVSQ-SAT	515 km orbit inclined at 97°
41	2021-034A	Pleiades NEO 3 Earth observation satellite	620 km polar orbit
42	2021-073A	BRO-4	521 km orbit inclined at 97°
43	2021-073E	Pleiades NEO4 Earth observation satellite	620 km polar orbit
44	2021-105A	CERES 1	681 km orbit inclined at 75°
45	2021-105B	CERES 2	687 km orbit inclined at 75°
46	2021-105C	CERES 3	654 km orbit inclined at 75°

Note: Bold font shows additions made in 2021. Strikethrough font shows deletions made in 2021.

^a The ELISA satellites were decommissioned on 8 December 2021.

^b The ROBUSTA 1C university CubeSat is likely to be the object catalogued as 2019-038-K by Space-Track.

Table 2
Satellites registered by France and operating in geostationary orbit

No.	Registration number	Satellite	Orbital position
	2000-028A	Eutelsat 48 E telecommunications satellite (formerly Eutelsat 70 E, Eutelsat 12 West C, Eutelsat 80A, Eutelsat 88A, Eutelsat 70C and Eutelsat 36A)^a	48° E
1	2001-011A	Eutelsat 133 WA telecommunications satellite (formerly Eutelsat 33C, Eutelsat 28A and Eurobird 1)	-132.85° E
2	2002-035A	Eutelsat 5 West A telecommunications satellite (formerly Atlantic Bird 3)	5° W
3	2004-008A	Eutelsat 7A telecommunications satellite (formerly W3A)	7° E
4	2005-041B	Syracuse 3A telecommunications satellite	47° E
5	2006-007B	HOTBIRD 13E telecommunications satellite (formerly Eutelsat 9A, Eurobird 9A and Hot Bird 7A)	13° E
6	2006-032A	Eutelsat Hot Bird 13B telecommunications satellite (formerly Hot Bird 8)	13° E
7	2006-033B	Syracuse 3B telecommunications satellite	5° W
8	2008-065A	Eutelsat Hot Bird 13C telecommunications satellite (formerly Hot Bird 9)	13° E
9	2008-065B	Eutelsat 48D telecommunications satellite (formerly 28B, Eutelsat 48B and W2M)	48.1° E
10	2009-008B	Eutelsat 33E telecommunications satellite (formerly Eutelsat Hotbird 13D, Eutelsat 3C, Atlantic Bird 4A and Hot Bird 10)	33.1° E
11	2009-016A	Eutelsat 10A telecommunications satellite (formerly W2A)	10° E
12	2009-065A	Eutelsat 36B telecommunications satellite (formerly W7)	35.9° E
13	2010-069A	Eutelsat KA-SAT 9A telecommunications satellite (formerly KA-SAT)	9° E
14	2011-051A	Eutelsat 7 West A telecommunications satellite (formerly Atlantic Bird 7)	7.3° W
15	2011-057A	Eutelsat 16A telecommunications satellite (formerly W3C)	16° E
16	2012-062B	Eutelsat 21B telecommunications satellite (formerly W6A)	21.5° E
17	2012-069A	Eutelsat 70B telecommunications satellite (formerly W5A)	70.5° E
18	2013-022A	Eutelsat 7B telecommunications satellite (3D (formerly W3D))	7° E
19	2013-044A	Eutelsat Es'hail (QAT) telecommunications satellite (formerly 25B and EB 2A)	25.5° E
20	2014-006B	Athena-Fidus telecommunications satellite	25° E
21	2014-030A	Eutelsat 3B telecommunications satellite	3.1° E
22	2015-039B	Eutelsat 8 West B telecommunications satellite	8° W
23	2016-005A	Eutelsat 9B telecommunications satellite	9° E
24	2016-014A	Eutelsat 65WA telecommunications satellite	65° W
25	2017-029B	Eutelsat 172B telecommunications satellite	172° E
26	2019-034B	Eutelsat 7C telecommunications satellite	7° E
27	2019-067A	Eutelsat 5WB telecommunications satellite	5° W
28	2020-005B	Eutelsat KONNECT telecommunications satellite	7.2° E

<i>No.</i>	<i>Registration number</i>	<i>Satellite</i>	<i>Orbital position</i>
29	2021-069B	Eutelsat QUANTUM telecommunications satellite	48° E
30	2021-095B	SYRACUSE 4A	45.5° E (planned)

Note: Bold font shows additions made in 2021. Strikethrough font shows deletions made in 2021.

^a Decommissioned on 3 November 2021.

Table 3
Satellites registered by France that remain in orbit but are no longer operational

<i>No.</i>	<i>Registration number</i>	<i>Satellite</i>	<i>Orbit</i>
1	1965-096A	A1 experimental satellite (Astérix)	Low Earth orbit (LEO)
2	1965-101A	FR1 technological satellite	LEO
3	1966-013A	Diapason D1 experimental satellite	LEO
4	1967-011A	Diadème 1 experimental satellite	LEO
5	1967-014A	Diadème 2 experimental satellite	LEO
6	1971-071A	EOLE 1 (CAS-A) experimental data-collection satellite	LEO
7	1974-101A	Symphonie 1 experimental telecommunications satellite	Geostationary Earth orbit (GEO)
8	1975-010A	Starlette scientific satellite	LEO
9	1975-077A	Symphonie 2 experimental telecommunications satellite	GEO
10	1983-058A	Eutelsat I F1 telecommunications satellite (ECS 1, ESA)	GEO
11	1984-081A	Eutelsat I F2 telecommunications satellite (ECS 2, ESA)	GEO
12	1984-081B	TELECOM 1A telecommunications satellite	GEO
13	1985-035B	TELECOM 1B telecommunications satellite	GEO
14	1986-019A	SPOT 1 Earth observation satellite (deorbiting manoeuvres effected in November 2003 to lower the satellite's perigee to below 600 km with a view to achieving re-entry within 25 years)	LEO
15	1987-078B	Eutelsat I F4 telecommunications satellite (ECS 4)	GEO
16	1988-018B	TELECOM 1C telecommunications satellite	GEO
17	1988-063B	Eutelsat I F5 telecommunications satellite (ECS 5, ESA)	GEO
18	1988-098A	TDF1 live television satellite	GEO
19	1990-005A	SPOT 2 Earth observation satellite (final deorbiting manoeuvres effected on 29 July 2009 to lower the satellite's perigee to below 600 km with a view to achieving re-entry within 25 years)	LEO
20	1990-063A	TDF2 live television satellite	GEO
21	1990-079B	Eutelsat II F1 telecommunications satellite	GEO
22	1991-003B	Eutelsat II F2 telecommunications satellite	GEO

<i>No.</i>	<i>Registration number</i>	<i>Satellite</i>	<i>Orbit</i>
23	1991-050E	Satellite for Amateur Radio Astronomy (SARA)	LEO
24	1991-083A	Eutelsat II F3 telecommunications satellite	GEO
25	1991-084A	TELECOM 2A telecommunications satellite	GEO
26	1992-021A	TELECOM 2B telecommunications satellite	GEO
27	1992-041B	Eutelsat II F4 telecommunications satellite	GEO
28	1992-052C	S80/T technological satellite	LEO
29	1993-031B	ARSENE amateur radio satellite (perigee ~17 000 km)	Geostationary transfer orbit (GTO)
30	1993-061A	SPOT 3 Earth observation satellite (> 800 km)	LEO
31	1993-061B	STELLA scientific satellite (800 km)	LEO
32	1995-016B	Hot Bird 1 telecommunications satellite (Eutelsat II F6)	GEO
33	1995-033A	HELIOS 1A observation satellite (deactivated in February 2012 following deorbiting manoeuvres)	LEO
34	1995-033B	CERISE research satellite (~600 km)	LEO
35	1995-067A	TELECOM 2C telecommunications satellite	GEO
36	1996-044B	TELECOM 2D telecommunications satellite (deactivated in November 2012 following deorbiting manoeuvres)	GEO
37	1996-067A	Eutelsat 48A telecommunications satellite (formerly W48, Eurobird 9 and Hot Bird 2)	GEO
38	1997-049A	W75 telecommunications satellite (formerly Eurobird 4 and Hot Bird 3) (deactivated in July 2011 following deorbiting manoeuvres)	GEO
39	1998-013A	Eutelsat 16B telecommunications satellite (formerly Eurobird 16 and Hot Bird 4)	GEO
40	1998-017A	SPOT 4 Earth observation satellite (820 km sun-synchronous orbit; ceased operating on 29 June 2013)	LEO
41	1998-056A	Eutelsat W2 telecommunications satellite (deactivated in March 2010 following deorbiting manoeuvres)	GEO
42	1998-057A	Eutelsat 25A telecommunications satellite (formerly Eurobird 2 and Hot Bird 5), redeployed and renamed Eutelsat 4B in 2013 (deactivated in September 2013 following deorbiting manoeuvres)	GEO
43	1999-018A	Eutelsat 21A telecommunications satellite (formerly W6 and W3), redeployed and renamed Eutelsat 48C in 2013 (decommissioned on 9 November 2014)	GEO
44	1999-064A	HELIOS 1B space observation satellite (ceased operating on 21 October 2004; perigee ~630 km)	LEO
45	1999-064B	Clémentine experimental satellite (perigee ~600 km)	LEO
46	2000-052A	Eurobird 4A telecommunications satellite (formerly W1) (deactivated in February 2012 following deorbiting manoeuvres)	GEO
47	2001-055A	French-American JASON 1 oceanography satellite (orbit inclined at 66°; mission ended on 3 July 2013)	LEO
48	2002-021A	SPOT 5 Earth observation satellite (820 km sun-synchronous orbit)	LEO
49	2002-021B	IDEFIX amateur radio satellite (attached to third stage of Ariane 4-V151; orbit ~800 km)	LEO
50	2002-038A	Eutelsat 70D telecommunications satellite (formerly Hot Bird 13A) (decommissioned on 7 August 2016)	GEO

No.	Registration number	Satellite	Orbit
51	2002-051A	Eutelsat 70A telecommunications satellite (formerly W5), redeployed and renamed Eutelsat 25C in 2013, then Eutelsat 33B	GEO
52	2004-025C	DEMETER scientific microsatellite (scientific use terminated in December 2010; deactivated in February 2011; 650 km)	LEO
53	2004-049C	ESSAIM 1 satellite for characterization of Earth's electromagnetic environment (ceased operating in October 2010; re-entry in less than 25 years)	LEO
54	2004-049D	ESSAIM 2 satellite for characterization of Earth's electromagnetic environment (ceased operating in October 2010; re-entry in less than 25 years)	LEO
55	2004-049E	ESSAIM 3 satellite for characterization of Earth's electromagnetic environment (ceased operating in October 2010; re-entry in less than 25 years)	LEO
56	2004-049F	ESSAIM 4 satellite for characterization of Earth's electromagnetic environment (ceased operating in October 2010; re-entry in less than 25 years)	LEO
57	2004-049G	Polarization and Anisotropy of Reflectances for Atmospheric Sciences coupled with Observations from a Lidar (PARASOL) microsatellite for characterization of the radiative and microphysical properties of clouds and aerosols (700 km polar orbit; ceased operating on 18 December 2013)	LEO
58	2006-063A	Convection, Rotation and Planetary Transits (COROT) satellite for the study of stars and exoplanet detection (end of lifetime on 17 June 2014)	LEO
59	2009-008C	Spirale A experimental satellite (deactivated early 2011)	GTO
60	2009-008D	Spirale B experimental satellite (deactivated early 2011)	GTO
61	2010-028A	PICARD microsatellite for solar research (end of lifetime on 4 April 2014)	LEO
62	2010-056A	Eutelsat W3B telecommunications satellite (failed launch into geostationary orbit; in GTO)	GTO
63	2016-025B	MICROSCOPE scientific satellite	LEO
64	2000-019A	Eutelsat 16C telecommunications satellite (formerly SESAT 1)	GEO
65	2002-040A	Eutelsat 59 A telecommunications satellite (formerly Eutelsat 36WA, Eutelsat 12 WA and Atlantic Bird 1)	GEO
66	2003-043A	Eutelsat 31 A telecommunications satellite (formerly 33A, Eurobird 3 and e-Bird)	GEO
67	2018-004X	PICSAT (launched in January 2018 and lost in March 2018)	LEO
68	2008-032A	French-American JASON 2 oceanography satellite	LEO
69	2001-042A	EUTELSAT_E12WB (moved to a graveyard orbit on 6 October 2020; deorbiting manoeuvres commenced on 6 October 2020)	GEO
70	2011-076A	ELISA W11 listening system microsatellite	LEO
71	2011-076B	ELISA E24 listening system microsatellite	LEO
72	2011-076C	ELISA W23 listening system microsatellite	LEO

<i>No.</i>	<i>Registration number</i>	<i>Satellite</i>	<i>Orbit</i>
73	2011-076D	ELISA E12 listening system microsatellite	LEO
74	2000-028A	Eutelsat 48 E telecommunications satellite (formerly Eutelsat 70 E, Eutelsat 12 West C, Eutelsat 80A, Eutelsat 88A, Eutelsat 70C and Eutelsat 36A)	GEO

Note: Bold font shows additions made in 2021.