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English only

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**Committee on the Peaceful  
Uses of Outer Space**  
**Scientific and Technical Subcommittee**  
**Fifty-eighth session**  
Vienna, 19-30 April 2021  
Item 16 of the Provisional Agenda

**Report of the International Telecommunication Union (ITU)  
on the use of the geostationary-satellite orbit (GSO) and  
other orbits**

**Note by the Secretariat**

1. At its forty-fifth session, in 2008, the Scientific and Technical Subcommittee of the United Nations Committee on the Peaceful Uses of Outer Space (see A/AC.105/911, para. 184) invited the International Telecommunication Union to make a report concerning its contribution to the peaceful uses of outer space, including the use of the geostationary satellite orbit (GSO) and other orbits. At its fifty-seventh session, in 2020, the Subcommittee invited ITU to continue to submit reports to it (A/AC.105/1224, para. 250).

2. In response to that invitation the Secretariat has received the ITU Radiocommunication Bureau (BR) 2020 Annual Space Report to STSC-21 on the use of the the geostationary-satellite orbit (GSO) and other orbits. In accordance with the information provided by the ITU, the Report is available in six languages of the Union in PDF or CSV format (Annexes 1A-1B only) and may be downloaded from the BR webpage at:

<http://www.itu.int/ITU-R/space/snl/report>



12 February 2021

**ITU Radiocommunication Bureau (BR)  
2020 Annual Space Services Report to the STSC 2019 Session  
on the use of the Geostationary-Satellite Orbit (GSO) and other orbits**

In the report of the 45<sup>th</sup> session of the Scientific and Technical Subcommittee (STSC) of the COPUOS, § 184 the subcommittee invited ITU to make further reports concerning its contribution to the peaceful uses of outer space, including the use of the geostationary-satellite orbit (GSO) and other orbits.

Accordingly, please find attached:

**ANNEX 1A** - List of geostationary space networks for which information has been communicated to the ITU Radiocommunication Bureau **up to 31.12.2020** in application of the provisions of Article 9 (Advance Publication Information - A or Coordination Request - C) and/or Article 11 (Notification - N) of the Radio Regulations.

**ANNEX 1B** - List of non-geostationary space networks for which information has been communicated to the ITU Radiocommunication Bureau **up to 31.12.2020** in application of the provisions of Article 9 (Advance Publication Information - A or Coordination Request - C) and/or Article 11 (Notification - N) of the Radio Regulations.

**ANNEX 2** - Appendices 30 & 30A of the Radio Regulations - List of geostationary-satellite networks in the Broadcasting-Satellite Service (BSS) and its associated feeder links communicated and published in application of the provisions of Article 4 of Appendices 30 and 30A.

**ANNEX 3** – Appendix 30B of the Radio Regulations - List of geostationary-satellite networks in the Fixed-Satellite Service (FSS) communicated and published in application of the provisions of Articles 6 and 7 of Appendix 30B.

**ANNEX 4** – Statistics.

**ANNEX 5** - Description of the columns in the list.

The **BR Annual Space Services Report to the STSC 2021 Session on the use of the Geostationary-Satellite Orbit (GSO) and other orbits** is available in six languages of the Union in PDF or CSV format (Annexes 1A-1B only) and may be downloaded from the BR webpage at: <http://www.itu.int/ITU-R/space/snl/report/>

For more information about the *status* of any network in the list, please see – **Space Networks List (SNL)** online at: <http://www.itu.int/ITU-R/space/snl/>

For more information about the *description* of the space services database and related Parts and Special Sections, please see the **Space Preface** at: <http://www.itu.int/ITU-R/go/space-preface/en>

Annexes : 5

## Annex 4

### STATISTICS

TABLE 4.1: SATELLITE FILINGS (NETWORK) AND REGULATORY STATUS  
(IN APPLICATION OF THE PROVISIONS OF ARTICLE 9 AND/OR ARTICLE 11 OF THE RADIO REGULATIONS)

(A = Network in API stage, C = Network in coordination stage,  
N = Network in notification stage)

Year	Networks		A	C	N
2020	GSO	3404	19	2055	1330
	Non-GSO	1405	610	217	578
	<b>TOTAL</b>	<b>4809</b>	<b>629</b>	<b>2272</b>	<b>1908</b>
2019	GSO	3298	15	2038	1245
	Non-GSO	1144	479	147	518
	<b>TOTAL</b>	<b>4442</b>	<b>494</b>	<b>2185</b>	<b>1763</b>
2018	GSO	3371	N/A <sup>1</sup>	2152	1215
	Non-GSO	1066	448	132	486
	<b>TOTAL</b>	<b>4437</b>	<b>452</b>	<b>2284</b>	<b>1701</b>
2017	GSO	3292	N/A <sup>1</sup>	2148	1136
	Non-GSO	890	376	89	425
	<b>TOTAL</b>	<b>4182</b>	<b>384</b>	<b>2237</b>	<b>1561</b>
2016	GSO	4971	1841	2020	1110
	non-GSO	766	311	56	399
	<b>TOTAL</b>	<b>5737</b>	<b>2152</b>	<b>2076</b>	<b>1509</b>
2015	GSO	5656	2782	1773	1101
	non-GSO	696	272	43	381
	<b>TOTAL</b>	<b>6352</b>	<b>3054</b>	<b>1816</b>	<b>1482</b>
2014	GSO	4641	1902	1654	1085
	non-GSO	611	190	42	379
	<b>TOTAL</b>	<b>5252</b>	<b>2092</b>	<b>1696</b>	<b>1464</b>
2013	GSO	4017	1520	1418	1079
	non-GSO	566	157	41	368
	<b>TOTAL</b>	<b>4583</b>	<b>1677</b>	<b>1459</b>	<b>1447</b>
2012	GSO	3993	1688	1264	1041
	non-GSO	545	155	37	353
	<b>TOTAL</b>	<b>4538</b>	<b>1843</b>	<b>1301</b>	<b>1394</b>
2011	GSO	3371	1162	1188	1021
	non-GSO	509	132	37	340
	<b>TOTAL</b>	<b>3880</b>	<b>1294</b>	<b>1225</b>	<b>1361</b>
2010	GSO	3133	966	1115	1052
	non-GSO	495	139	36	320
	<b>TOTAL</b>	<b>3628</b>	<b>1105</b>	<b>1151</b>	<b>1372</b>
2009	GSO	3166	1043	1109	1014
	non-GSO	520	186	36	298
	<b>TOTAL</b>	<b>3686</b>	<b>1229</b>	<b>1145</b>	<b>1312</b>

<sup>1</sup> Following a decision by the World Radiocommunication Conference of 2015 (WRC-15), API have ceased to apply to satellite networks or systems subject to coordination procedure under Section II of Article 9 from 1<sup>st</sup> January 2017. The number of filings shown from 2017 will therefore be only related to API on satellite networks or systems not subject to coordination procedure under Section II of Article 9.

<b>Year</b>	<b>Networks</b>	<b>A</b>	<b>C</b>	<b>N</b>	
2008	GSO	3126	1017	1249	860
	non-GSO	438	115	35	288
	<b>TOTAL</b>	<b>3564</b>	<b>1132</b>	<b>1284</b>	<b>1148</b>

TABLE 4.2: COUNT OF UNIQUE FILINGS (NETWORKS) PER ADMINISTRATION  
(IN APPLICATION OF THE PROVISIONS OF ARTICLE 9 AND/OR ARTICLE 11 OF THE RADIO REGULATIONS)

	ADM	A	C	N	TOTAL
1	AFS	3			3
2	ALG	2	6	2	10
3	ARG	8	6	3	17
4	ARS/ARB		19	17	36
5	ARS	1	2	5	8
6	AUS	5	20	25	50
7	AUT	1		1	2
8	AZE		8	1	9
9	B	9	27	34	70
10	BEL	5	2	7	14
11	BLR	1	1	1	3
12	BOL		1	1	2
13	BRM	1			1
14	BUL	2	3	1	6
15	CAN	12	28	38	78
16	CBG		1		1
17	CHL	1		2	3
18	CHN	79	249	202	530
19	CLM/ASA			1	1
20	CLM	1	3		4
21	CTI/RAS			1	1
22	CTR	1			1
23	CYP	1	51	8	60
24	CZE	1	4	1	6
25	D/EUM	2	4	4	10
26	D/GLS			1	1
27	D	38	35	32	105
28	DNK	5		3	8
29	E	13	104	25	142
30	EGY	1	19	6	26
31	EQA	1			1
32	EST			2	2
33	ETH	1	7		8
34	F/ESA	2		31	33
35	F/EUT			27	27
36	F/GLS	1	1	5	7
37	F	40	389	106	535
38	FIN	5		5	10
39	G	27	195	80	302
40	GHA	1			1
41	GRC		1	2	3
42	GTM			1	1
43	HNG	2		2	4
44	HOL	4	81	46	131
45	I/GLS			1	1
46	I	14	6	10	30

	ADM	A	C	N	TOTAL
47	IND	21	79	68	168
48	INS	2	23	23	48
49	IRL	1			1
50	IRN	3	20	9	32
51	ISR	10	36	10	56
52	J	49	76	123	248
53	JOR	1	1		2
54	KAZ		10	9	19
55	KEN			1	1
56	KOR	18	17	28	63
57	LAO		2	1	3
58	LIE	1	1	2	4
59	LTU	2		3	5
60	LUX	7	41	27	75
61	LVA	1		1	2
62	MAU			1	1
63	MCO	1	6		7
64	MDA	1			1
65	MEX	2	7	10	19
66	MLA	1	29	14	44
67	MLD		2		2
68	MRC			1	1
69	NCG		5		5
70	NIG		2	1	3
71	NOR	19	65	12	96
72	NPL		1		1
73	NZL	7	2		9
74	OMA		14		14
75	PAK	3	3	5	11
76	PHL	3		1	4
77	PNG	1	41	21	63
78	POL	10		1	11
79	POR			1	1
80	PRU			1	1
81	QAT		34	1	35
82	RRW	2	1		3
83	RUS/IK		17	11	28
84	RUS	6	65	185	256
85	S/NOT	1		1	2
86	S	3	29	9	41
87	SDN	1			1
88	SLM		2		2
89	SNG	7		10	17
90	SUI	2	14	4	20
91	SVK	1		1	2
92	SVN			2	2
93	THA	5	15	16	36
94	TON		1	7	8
95	TUR	3	18	19	40

	<b>ADM</b>	<b>A</b>	<b>C</b>	<b>N</b>	<b>TOTAL</b>
<b>96</b>	UAE	4	159	23	186
<b>97</b>	UGA	1			1
<b>98</b>	UKR	3	1	1	5
<b>99</b>	URG	1		1	2
<b>100</b>	USA	130	153	495	778
<b>101</b>	VEN		2	2	4
<b>102</b>	VTN	4	5	6	15
	<b>TOTAL</b>	<b>629</b>	<b>2272</b>	<b>1908</b>	<b>4809</b>