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English only

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**Committee on the Peaceful  
Uses of Outer Space**  
Scientific and Technical Subcommittee  
Fifty-seventh session  
Vienna, 3-14 February 2020

**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-sixth session, in 2019, the Subcommittee invited ITU to continue to submit reports to it (A/AC.105/1202, para. 287).
2. In response to that invitation the Secretariat has received the ITU Radiocommunication Bureau (BR) 2019 Annual Space Services Report to the STSC 2020 session on the use of 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 (Annex 1 only), and may be downloaded from the following BR webpage at:

<https://www.itu.int/en/ITU-R/space/snl/Pages/reportSTS.aspx>



29 January 2020

**ITU Radiocommunication Bureau (BR)  
2019 Annual Space Services Report to the STSC 2020 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 31.12.2019** 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 31.12.2019** 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 2020 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 (Annex 1 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>

## 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
2019	GSO	3298	15	2038	1245
	Non-GSO	1144	479	147	518
	TOTAL	4442	494	2185	1763
2018	GSO	3371	N/A <sup>1</sup>	2152	1215
	Non-GSO	1066	448	132	486
	TOTAL	4437	452	2284	1701
2017	GSO	3292	N/A <sup>1</sup>	2148	1136
	Non-GSO	890	376	89	425
	TOTAL	4182	384	2237	1561
2016	GSO	4971	1841	2020	1110
	non-GSO	766	311	56	399
	TOTAL	5737	2152	2076	1509
2015	GSO	5656	2782	1773	1101
	non-GSO	696	272	43	381
	TOTAL	6352	3054	1816	1482
2014	GSO	4641	1902	1654	1085
	non-GSO	611	190	42	379
	TOTAL	5252	2092	1696	1464
2013	GSO	4017	1520	1418	1079
	non-GSO	566	157	41	368
	TOTAL	4583	1677	1459	1447
2012	GSO	3993	1688	1264	1041
	non-GSO	545	155	37	353
	TOTAL	4538	1843	1301	1394
2011	GSO	3371	1162	1188	1021
	non-GSO	509	132	37	340
	TOTAL	3880	1294	1225	1361
2010	GSO	3133	966	1115	1052
	non-GSO	495	139	36	320
	TOTAL	3628	1105	1151	1372
2009	GSO	3166	1043	1109	1014
	non-GSO	520	186	36	298
	TOTAL	3686	1229	1145	1312
2008	GSO	3126	1017	1249	860
	non-GSO	438	115	35	288
	TOTAL	3564	1132	1284	1148

<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.

**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)

Total count – **101** administrations

ADM	A	C	N	TOTAL
AFS	3			3
ALG	2	9	1	12
ARG	8	5	3	16
ARM		1		1
ARS/ARB		34	16	50
ARS		2	5	7
AUS	1	16	25	42
AUT			1	1
AZE		5	1	6
B	7	26	31	64
BEL	4	1	7	12
BLR		1	1	2
BOL		1	1	2
BUL		4	2	6
CAN	10	28	36	74
CBG		1		1
CHL			2	2
CHN	45	177	174	396
CLM/ASA			1	1
CLM	1	3		4
CTI/RAS			1	1
CTR	1			1
CYP	3	68	7	78
CZE		4	1	5
D/EUM		4	4	8
D/GLS			1	1
D	22	24	31	77
DNK	5		3	8
E	9	102	22	133
EGY	2	26	5	33
EST	1		1	2
ETH	1	7		8
F/ESA	1		31	32
F/EUT			28	28
F/GLS			5	5
F	34	386	90	510
FIN	5		4	9
G	24	207	73	304
GHA	1			1
GRC		1	2	3

ADM	A	C	N	TOTAL
GTM	1			1
HNG	3		1	4
HOL	3	95	43	141
I/GLS			1	1
I	11	9	9	29
IND	16	77	68	161
INS	2	24	23	49
IRL	1			1
IRN	2	16	8	26
ISR	6	37	9	52
J	45	71	107	223
JOR	1	1		2
KAZ		10	9	19
KEN			1	1
KOR	13	21	25	59
LAO		3	1	4
LIE	2	1	1	4
LTU	2		4	6
LUX	6	69	24	99
LVA	1			1
MAU	1			1
MCO		4		4
MDA	1			1
MEX	2	8	10	20
MLA	1	33	13	47
MLD		2		2
MNG		1		1
MRC			1	1
NCG		6		6
NIG	2	2	1	5
NOR	16	65	11	92
NPL		1		1
NZL	5	1		6
OMA		8		8
PAK	3	3	5	11
PHL	1		1	2
PNG		54	16	70
POL	5		1	6
POR			1	1
PRU			1	1
QAT		31	1	32
ROU	1			1
RUS/IK		6	11	17
RUS	6	41	184	231

<b>ADM</b>	<b>A</b>	<b>C</b>	<b>N</b>	<b>TOTAL</b>
S/NOT	1		1	2
S	2	27	9	38
SDN	1			1
SLM		2		2
SNG	2		10	12
SUI	3	14	2	19
SVK			1	1
SVN			2	2
THA	2	12	14	28
TON			7	7
TUR	3	15	17	35
UAE	3	127	21	151
UKR	3	3	2	8
URG	1		1	2
USA	120	137	461	718
VEN			2	2
VTN	4	5	6	15
<b>TOTAL</b>	<b>494</b>	<b>2185</b>	<b>1763</b>	<b>4442</b>