



L1 C/A PRN CODE ASSIGNMENTS

PRN Signal Number	G2 Delay (Chips)	Initial G2 Setting (Octal) ⁱ	First 10 Chips (Octal) ⁱ	PRN Allocations	Orbital Slot	Effective Date
1 - 63	See IS-GPS-200 ⁱⁱ	See IS-GPS-200 ⁱⁱ	See IS-GPS-200 ⁱⁱ	Reserved for GPS	See NAVCEN ⁱⁱⁱ	See NAVCEN ⁱⁱⁱ
64 - 119	See IS-GPS-200 ⁱⁱ	See IS-GPS-200 ⁱⁱ	See IS-GPS-200 ⁱⁱ	Reserved for GBAS & other augmentation systems	N/A	Current
120 - 138	See Below	See Below	See Below	Reserved for SBAS	See Below	Updated
139 - 158	See Below	See Below	See Below	Reserved for SBAS expansion/testing	See Below	Updated
159 - 210	See Below	See Below	See Below	Reserved for other GNSS & other applications	See Below	Current
Reserved for Satellite-Based Augmentation System (SBAS) (PRNs 120-138)						
120	145	1106	0671	EGNOS (INMARSAT 3F2)	15.5 W	Current
121	175	1241	0536	EGNOS (INMARSAT 3F5)	25 E	Active until Apr 2024
122	52	0267	1510	Unallocated	---	---
123	21	0232	1545	EGNOS (ASTRA 5B)	31.5E	Active until Nov 2021
124	237	1617	0160	EGNOS (Reserved)	---	Active until Apr 2024
125	235	1076	0701	SDCM (Luch-5A)	16 W	Active until Dec 2021
126	886	1764	0013	EGNOS (INMARSAT 4F2)	25 E	Active until Apr 2019
127	657	0717	1060	GAGAN (GSAT-8)	55 E	Active until Sep 2020
128	634	1532	0245	GAGAN (GSAT-10)	83 E	Active until Sep 2020
129	762	1250	0527	MSAS (MTSAT-2) ^{iv}	145 E	Active until Jan 2020
130	355	0341	1436	ARTEMIS (ARTEMIS-1)	21.5 E	Active until Sep 2017
131	1012	0551	1226	WAAS (Satmex 9)	117 W	Active until Mar 2025
132	176	0520	1257	GAGAN (GSAT-15)	93.5 E	Active until Nov 2025
133	603	1731	0046	WAAS (INMARSAT 4F3)	98 W	Active until Oct 2019
134	130	0706	1071	Unallocated	---	---
135	359	1216	0561	WAAS (Intelsat Galaxy 15)	133 W	Active until Sep 2017
136	595	0740	1037	EGNOS (ASTRA 4B)	5 E	Active until Nov 2021
137	68	1007	0770	MSAS (MTSAT-2) ^{iv}	145 E	Active until Jan 2020
138	386	0450	1327	WAAS (ANIK-F1R)	107.3	Active until Sep 2017
Reserved for SBAS expansion/testing (PRNs 139 - 158)						
139	797	0305	1472	Unallocated	---	---

**L1 C/A PRN CODE ASSIGNMENTS**

PRN Signal Number	G2 Delay (Chips)	Initial G2 Setting (Octal) ⁱ	First 10 Chips (Octal) ⁱ	PRN Allocations	Orbital Slot	Effective Date
140	456	1653	0124	SDCM (Luch-5B)	95 E	Active until Dec 2021
141	499	1411	0366	SDCM (Luch-4)	167 E	Active until Dec 2021
142	883	1644	0133	Unallocated	---	---
143	307	1312	0465	Unallocated	---	---
144	127	1060	0717	Unallocated	---	---
145	211	1560	0217	Unallocated	---	---
146	121	0035	1742	Unallocated	---	---
147	118	0355	1422	Unallocated	---	---
148	163	0335	1442	Unallocated	---	---
149	628	1254	0523	Unallocated	---	---
150	853	1041	0736	Unallocated	---	---
151	484	0142	1635	Unallocated	---	---
152	289	1641	0136	Unallocated	---	---
153	811	1504	0273	Unallocated	---	---
154	202	0751	1026	Unallocated	---	---
155	1021	1774	0003	Unallocated	---	---
156	463	0107	1670	Unallocated	---	---
157	568	1153	0624	Unallocated	---	---
158	904	1542	0235	Unallocated	---	---
Other Global Navigation Satellite Systems (GNSS) & Other Applications (PRNs 159 – 210)						
159	670	1223	0554	Unallocated	---	---
160	230	1702	0075	Unallocated	---	---
161	911	0436	1341	Unallocated	---	---
162	684	1735	0042	Unallocated	---	---
163	309	1662	0115	Unallocated	---	---
164	644	1570	0207	Unallocated	---	---
165	932	1573	0204	Unallocated	---	---
166	12	0201	1576	Unallocated	---	---
167	314	0635	1142	Unallocated	---	---
168	891	1737	0040	Unallocated	---	---
169	212	1670	0107	Unallocated	---	---
170	185	0134	1643	Unallocated	---	---
171	675	1224	0553	Unallocated	---	---
172	503	1460	0317	Unallocated	---	---

**L1 C/A PRN CODE ASSIGNMENTS**

PRN Signal Number	G2 Delay (Chips)	Initial G2 Setting (Octal) ⁱ	First 10 Chips (Octal) ⁱ	PRN Allocations	Orbital Slot	Effective Date
173	150	1362	0415	QZSS - IMES ^{vi}	Ground	Active until Nov 2017
174	395	1654	0123	QZSS - IMES ^{vi}	Ground	Active until Nov 2017
175	345	0510	1267	QZSS - IMES ^{vi}	Ground	Active until Nov 2017
176	846	0242	1535	QZSS - IMES ^{vi}	Ground	Active until Nov 2017
177	798	1142	0635	QZSS - IMES ^{vi}	Ground	Active until Nov 2017
178	992	1017	0760	QZSS - IMES ^{vi}	Ground	Active until Nov 2017
179	357	1070	0707	QZSS - IMES ^{vi}	Ground	Active until Nov 2017
180	995	0501	1276	QZSS - IMES ^{vi}	Ground	Active until Nov 2017
181	877	0455	1322	QZSS - IMES ^{vi}	Ground	Active until Nov 2017
182	112	1566	0211	QZSS - IMES ^{vi}	Ground	Active until Nov 2017
183	144	0215	1562	QZSS (QZS1) ^{vii}	A1	Active until Aug 2025
184	476	1003	0774	QZSS (Reserved)	TBD	Active until Aug 2025
185	193	1454	0323	QZSS (Reserved)	TBD	Active until Aug 2025
186	109	1665	0112	QZSS (Reserved)	TBD	Active until Aug 2025
187	445	0471	1306	QZSS (Reserved)	TBD	Active until Aug 2025
188	291	1750	0027	QZSS (Reserved)	TBD	Active until Aug 2025
189	87	0307	1470	QZSS (Reserved)	TBD	Active until Aug 2025
190	399	0272	1505	QZSS (Reserved)	TBD	Active until Aug 2025
191	292	0764	1013	QZSS (Reserved)	TBD	Active until Aug 2025
192	901	1422	0355	QZSS (Reserved)	TBD	Active until Aug 2025
193	339	1050	0727	QZSS (QZS1) ^{vii}	A1	Active until Aug 2025
194	208	1607	0170	QZSS (Reserved)	TBD	Active until Aug 2025
195	711	1747	0030	QZSS (Reserved)	TBD	Active until Aug 2025
196	189	1305	0472	QZSS (Reserved)	TBD	Active until Aug 2025
197	263	0540	1237	QZSS (Reserved)	TBD	Active until Aug 2025
198	537	1363	0414	QZSS (Reserved)	TBD	Active until Aug 2025
199	663	0727	1050	QZSS (Reserved)	TBD	Active until Aug 2025
200	942	0147	1630	QZSS (Reserved)	TBD	Active until Aug 2025
201	173	1206	0571	QZSS (Reserved)	TBD	Active until Aug 2025
202	900	1045	0732	QZSS (Reserved)	TBD	Active until Aug 2025
203	30	0476	1301	Unallocated	---	---
204	500	0604	1173	Unallocated	---	---
205	935	1757	0020	Unallocated	---	---
206	556	1330	0447	Unallocated	---	---
207	373	0663	1114	Unallocated	---	---
208	85	1436	0341	Unallocated	---	---

**L1 C/A PRN CODE ASSIGNMENTS**

PRN Signal Number	G2 Delay (Chips)	Initial G2 Setting (Octal) ⁱ	First 10 Chips (Octal) ⁱ	PRN Allocations	Orbital Slot	Effective Date
-------------------	------------------	---	-------------------------------------	-----------------	--------------	----------------

209	652	0753	1024	Unallocated	---	---
210	310	0731	1046	Unallocated	---	---

Abbreviations:

EGNOS – European Geostationary Navigation Overlay Service

GBAS – Ground-Based Augmentation System

MSAS – MTSAT Space-Based Augmentation System

QZSS – Quazi-Zenith Satellite System

TBD – To Be Determined

GAGAN – GPS-Aided Geo-Augmented Navigation

IMES – Indoor Messaging System

PRN – Pseudorandom Noise

SDCM – System of Differential Correction and Monitoring

ⁱ In the octal notation for the first 10 bits as shown in this column, the first digit (1/0) represents the first bit and the last three digits are the conventional octal representation of the remaining 9 bits.

ⁱⁱ For further information see the latest edition of IS-GPS-200 at <http://www.gps.gov/technical/icwg/>.

ⁱⁱⁱ For current PRN assignments and orbital information for GPS satellites please see the Navigation Center website at <http://www.navcen.uscg.gov/?Do=constellationStatus>.

^{iv} MTSAT-2 will broadcast two PRN signals-each of which is received from an independent uplink station-in order to maintain continuity in case of uplink signal failure.

^v This PRN is reserved for the requesting system pending final approval as of publication of this document.

^{vi} This PRN number is designated for low-power terrestrial applications solely within Japan.

^{vii} QZSS A1 => RAAN = 0, Argument of Perigee = 270, Mean Anomaly = 324, at Epoch 31Dec 07 00:00:00.