

L1 C/A PRN CODE ASSIGNMENTS

PRN Code Number	G2 Delay (Chips)	Initial G2 Setting (Octal)	First 10 Chips (Octal)	PRN Allocations System (Satellite)	Orbital Slot	Effective Through (Month Year)
1 – 63	See IS-GPS-200 ⁱ	See IS-GPS-200 ⁱ	See IS-GPS-200 ⁱ	Reserved for GPS	See NAVCEN ⁱⁱ	See NAVCEN ⁱⁱ
64 – 119	See IS-GPS-200 ⁱ	See IS-GPS-200 ⁱ	See IS-GPS-200 ⁱ	Reserved for GBAS & other augmentation systems	N/A	N/A
120 – 158	See Below	See Below	See Below	Reserved for SBAS	See Below	See Below
159 – 210	See Below	See Below	See Below	Reserved for other RNSS Systems & other applications	See Below	See Below
Reserved for Satellite-Based Augmentation System (SBAS) (PRNs 120-158)						
120	145	1106	0671	ASECNA (ANGA)	20W – 55E	Jun 2028
121	175	1241	0536	EGNOS (Eutelsat 5WB)	5 W	May 2031
122	52	0267	1510	SPAN (INMARSAT 4F2)	143.5 E	Jan 2029
123	21	0232	1545	EGNOS (ASTRA 5B)	31.5 E	May 2031
124	237	1617	0160	SPAN (INMARSAT 4F1)	178 E	May 2034
125	235	1076	0701	SDCM (Luch-5B)	16 W	May 2031
126	886	1764	0013	Reserved	---	---
127	657	0717	1060	GAGAN (GSAT-8)	55 E	Jun 2030
128	634	1532	0245	GAGAN (GSAT-10)	83 E	Jun 2030
129	762	1250	0527	MSAS (QZS-6)	90.5 E	Sep 2029
130	355	0341	1436	BDSBAS (G1)	140 E	Aug 2030
131	1012	0551	1226	WAAS (Eutelsat 117 West B)	117 W	Mar 2028
132	176	0520	1257	GAGAN (GSAT-15)	93.5 E	Nov 2030
133	603	1731	0046	WAAS (SES-15)	129 W	Oct 2029
134	130	0706	1071	KASS (MEASAT-3D)	91.5 E	Dec 2033
135	359	1216	0561	WAAS (Intelsat Galaxy 30)	125 W	Jul 2029
136	595	0740	1037	EGNOS (SES 5)	5 E	May 2031
137	68	1007	0770	MSAS (QZS-3)	127 E	Sep 2029
138	386	0450	1327	WAAS (GEO 8)	117 W	Dec 2029
139	797	0305	1472	MSAS (QZS-7)	175 W	Jun 2031
140	456	1653	0124	SDCM (Luch-5V)	95 E	May 2031
141	499	1411	0366	SDCM (Luch-5A)	167 E	May 2031

Changes shown in **bold**
Please refer to IS-GPS-200 for published values

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142	883	1644	0133	KASS (KOREASAT-116N)	116 E	Dec 2027
143	307	1312	0465	BDSBAS (G3)	110.5 E	Aug 2030
144	127	1060	0717	BDSBAS (G2)	80 E	Aug 2030
145	211	1560	0217	Pak-SBAS (PakSat-MM1)	38.2E	May 2027
146	121	0035	1742	Unallocated	---	---
147	118	0355	1422	ASECNA (ANGA)	20W – 55E	Jun 2028
148	163	0335	1442	A-SBAS (Alcomsat-1)	24.8 W	Jan 2027
149	628	1254	0523	Unallocated	---	---
150	853	1041	0736	EGNOS (HOTBIRD 13G)	13 E	May 2031
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	UK SBAS (Inmarsat 3F5)	53.9W	Dec 2026
Reserved for Other Radio Navigation Satellite Service (RNSS) Systems & Other Applications (PRNs 159 – 210)						
159	670	1223	0554	Unallocated	---	---
160	230	1702	0075	Reserved	---	---
161	911	0436	1341	Reserved	---	---
162	684	1735	0042	Reserved	---	---
163	309	1662	0115	Reserved	---	---
164	644	1570	0207	Reserved	---	---
165	932	1573	0204	Reserved	---	---
166	12	0201	1576	Reserved	---	---
167	314	0635	1142	Reserved	---	---
168	891	1737	0040	Reserved	---	---
169	212	1670	0107	Reserved	---	---
170	185	0134	1643	Reserved	---	---

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171	675	1224	0553	Reserved	---	---
172	503	1460	0317	Reserved	---	---
173	150	1362	0415	Reserved	---	---
174	395	1654	0123	Reserved	---	---
175	345	0510	1267	Reserved	---	---
176	846	0242	1535	Reserved	---	---
177	798	1142	0635	Reserved	---	---
178	992	1017	0760	Reserved	---	---
179	357	1070	0707	Reserved	---	---
180	995	0501	1276	Unallocated	---	---
181	877	0455	1322	Unallocated	---	---
182	112	1566	0211	Unallocated	---	---
183	144	0215	1562	Reserved	---	---
184	476	1003	0774	QZSS	See ⁱⁱⁱ	Aug 2030
185	193	1454	0323	QZSS	See ⁱⁱⁱ	Aug 2030
186	109	1665	0112	QZSS	See ⁱⁱⁱ	Aug 2030
187	445	0471	1306	Reserved	---	---
188	291	1750	0027	Reserved	---	---
189	87	0307	1470	QZSS	See ⁱⁱⁱ	Aug 2030
190	399	0272	1505	Reserved	---	---
191	292	0764	1013	Reserved	---	---
192	901	1422	0355	Reserved	---	---
193	339	1050	0727	Reserved		
194	208	1607	0170	QZSS	See ⁱⁱⁱ	Aug 2030
195	711	1747	0030	QZSS	See ⁱⁱⁱ	Aug 2030
196	189	1305	0472	QZSS	See ⁱⁱⁱ	Aug 2030
197	263	0540	1237	QZSS	See ⁱⁱⁱ	Aug 2030
198	537	1363	0414	QZSS (Test)	---	Aug 2030
199	663	0727	1050	QZSS	See ⁱⁱⁱ	Aug 2030
200	942	0147	1630	QZSS	See ⁱⁱⁱ	Aug 2030
201	173	1206	0571	QZSS	See ⁱⁱⁱ	Aug 2030
202	900	1045	0732	QZSS (Test)	---	Aug 2030
203	30	0476	1301	QZSS	See ⁱⁱⁱ	Aug 2030

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204	500	0604	1173	QZSS	See ⁱⁱⁱ	Aug 2030
205	935	1757	0020	QZSS	See ⁱⁱⁱ	Aug 2030
206	556	1330	0447	QZSS	See ⁱⁱⁱ	Aug 2030
207	373	0663	1114	Reserved	---	---
208	85	1436	0341	Reserved	---	---
209	652	0753	1024	Reserved	---	---
210	310	0731	1046	Unallocated	---	---

Definitions:

- "Unallocated" – This PRN number has not been assigned to a system provider for any signal (L1 C/A, L1C, L2C, or L5).
- "Reserved" – This PRN number has been assigned to a system provider for a different signal (L1 C/A, L1C or L5). Therefore, the PRN number for this signal is unassigned but held in reserve.
- "SYSTEM (Reserved)" – The system provider has been assigned the PRN for this signal, but the broadcasting satellite is not specified.

Abbreviations:

ANGA – Augmented Navigation for Africa	MSAS – Michibiki Satellite Augmentation System
A-SBAS – Algerian Satellite Based Augmentation System	Pak-SBAS – Pakistan Satellite Based Augmentation System
ASECNA – Agency for Aerial Navigation Safety in Africa and Madagascar	PRN – Pseudorandom Noise
BDSBAS – BeiDou Satellite-Based Augmentation System	QZSS – Quazi-Zenith Satellite System
EGNOS – European Geostationary Navigation Overlay Service	RNSS – Radio Navigation Satellite Service
GAGAN – GPS-Aided Geo-Augmented Navigation	SBAS – Satellite Based Augmentation System
GBAS – Ground-Based Augmentation System	SDCM – System of Differential Correction and Monitoring
KASS – Korean Augmentation Satellite System	SPAN – Southern Positioning Augmentation Network (AUS-NZ)
KPS – Korean Positioning System	WAAS – Wide Area Augmentation System

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

ⁱⁱ For current PRN assignments and orbital information for GPS satellites please see the Navigation Center website at <https://www.navcen.uscg.gov/gps-constellation>

ⁱⁱⁱ For current PRN assignments for QZSS satellites please see the QZSS Constellation Information website at <https://sys.qzss.go.jp/dod/en/constellation.html>

Changes shown in **bold**
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