L1 C/A PRN CODE ASSIGNMENTS

PRN Code Number	**G2 Delay** (Chips)	**Initial G2 Setting** (Octal)[i]	**First 10 Chips** (Octal)[i]	**PRN Allocations** System (Satellite)	**Orbital Slot**	**Effective Through** (Month Year)
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	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 GNSS & other applications	See Below	See Below
Reserved for Satellite-Based Augmentation System (SBAS) (PRNs 120-158)						
120	145	1106	0671	ASECNA (A-SBAS)	5 W -45E	**Nov 2024**
121	175	1241	0536	EGNOS (Eutelsat 5WB)	5 W	**May 2031**
122	52	0267	1510	SPAN (INMARSAT 4F1)	143.5 E	Jan 2023
123	21	0232	1545	EGNOS (ASTRA 5B)	31.5 E	**May 2031**
124	237	1617	0160	Reserved	---	---
125	235	1076	0701	SDCM (Luch-5B)	16 W	**May 2031**
126	886	1764	0013	EGNOS (INMARSAT 4F2)	63.9 E	**Dec 2024**
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-3)[iv]	127 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 2025
133	603	1731	0046	WAAS (SES-15)	129 W	Oct 2029
134	130	0706	1071	KASS (MEASAT-3D)	91.5 E	**Jan 2024**
135	359	1216	0561	WAAS (Intelsat Galaxy 30)	125 W	Jul 2029
136	595	0740	1037	EGNOS (HOTBIRD 13G)	5 E	**May 2031**
137	68	1007	0770	MSAS (QZS-3)[iv]	127 E	Sep 2029
138	386	0450	1327	WAAS (ANIK F1R)	107.3 W	Jul 2022
139	797	0305	1472	MSAS (QZS-7)	---	**Jun 2031**
140	456	1653	0124	SDCM (Luch-5V)	95 E	**May 2031**
141	499	1411	0366	SDCM (Luch-5A)	167 E	**May 2031**
142	883	1644	0133	Unallocated	---	---
143	307	1312	0465	BDSBAS (G3)	110.5 E	Aug 2030
144	127	1060	0717	BDSBAS (G2)	80 E	Aug 2030

Please refer to IS-GPS-200 for published values

L1 C/A PRN CODE ASSIGNMENTS

PRN Code Number	**G2 Delay** (Chips)	**Initial G2 Setting** (Octal)[i]	**First 10 Chips** (Octal)[i]	**PRN Allocations** System (Satellite)	**Orbital Slot**	**Effective Through** (Month Year)
145	211	1560	0217	Unallocated	---	---
146	121	0035	1742	Unallocated	---	---
147	118	0355	1422	ASECNA (A-SBAS)	5 W -45 E	**Nov 2024**
148	163	0335	1442	ASAL (ALCOMSAT-1)	24.8 W	Jan 2022
149	628	1254	0523	Unallocated	---	---
150	853	1041	0736	EGNOS	---	**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	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	---	---
173	150	1362	0415	Unallocated	---	---
174	395	1654	0123	Unallocated	---	---
175	345	0510	1267	Unallocated	---	---
176	846	0242	1535	Unallocated	---	---

L1 C/A PRN CODE ASSIGNMENTS

PRN Code Number	**G2 Delay** (Chips)	**Initial G2 Setting** (Octal)[i]	**First 10 Chips** (Octal)[i]	**PRN Allocations** System (Satellite)	**Orbital Slot**	**Effective Through** (Month Year)
177	798	1142	0635	Unallocated	---	---
178	992	1017	0760	Unallocated	---	---
179	357	1070	0707	Unallocated	---	---
180	995	0501	1276	Unallocated	---	---
181	877	0455	1322	Unallocated	---	---
182	112	1566	0211	Unallocated	---	---
183	144	0215	1562	QZSS (QZS-1)	A1[v]	Aug 2025
184	476	1003	0774	QZSS (**QZS-2**)	A1[v]	Aug 2025
185	193	1454	0323	QZSS (**QZS-4**)	A1[v]	Aug 2025
186	109	1665	0112	QZSS (**QZS-1R**)	A1[v]	Aug 2025
187	445	0471	1306	Unallocated	---	---
188	291	1750	0027	Unallocated	---	---
189	87	0307	1470	QZSS (**QZS-3**)	A1[v]	Aug 2025
190	399	0272	1505	Unallocated	---	---
191	292	0764	1013	Unallocated	---	---
192	901	1422	0355	Unallocated	---	---
193	339	1050	0727	QZSS (QZS-1)	A1[v]	Aug 2025
194	208	1607	0170	QZSS (**QZS-2**)	A1[v]	Aug 2025
195	711	1747	0030	QZSS (**QZS-4**)	A1[v]	Aug 2025
196	189	1305	0472	QZSS (**QZS-1R**)	A1[v]	Aug 2025
197	263	0540	1237	QZSS (**QZS-5**)	A1[v]	Aug 2025
198	537	1363	0414	QZSS (**Test**)	---	Aug 2025
199	663	0727	1050	QZSS (**QZS-3**)	A1[v]	Aug 2025
200	942	0147	1630	QZSS (**QZS-6**)	A1[v]	Aug 2025
201	173	1206	0571	QZSS (**QZS-7**)	A1[v]	Aug 2025
202	900	1045	0732	QZSS (**Test**)	---	Aug 2025
203	30	0476	1301	QZSS (**QZS-1R**)	A1[v]	**Aug 2025**
204	500	0604	1173	QZSS (**QZS-5**)	A1[v]	**Aug 2025**
205	935	1757	0020	QZSS (**QZS-6**)	A1[v]	**Aug 2025**
206	556	1330	0447	QZSS (**QZS-7**)	A1[v]	**Aug 2025**
207	373	0663	1114	Unallocated	---	---
208	85	1436	0341	Unallocated	---	---
209	652	0753	1024	Unallocated	---	---
210	310	0731	1046	Unallocated	---	---

L1 C/A PRN CODE ASSIGNMENTS

PRN Code Number	**G2 Delay** (Chips)	**Initial G2 Setting** (Octal)[i]	**First 10 Chips** (Octal)[i]	**PRN Allocations** System (Satellite)	**Orbital Slot**	**Effective Through** (Month Year)

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 (L1C, L2C, 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:

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

[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] QZS-3 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] QZSS A1: RAAN = 0, Argument of Perigee = 270, Mean Anomaly = 324, at Epoch 31Dec 07 00:00:00.