ES PRIN CODE ASSIGNMENTS									
PRN Code Number	XB Code Advance (Chips) ⁱ		Initial XB Code State (Octal) ⁱⁱ		PRN Allocations	Orbital Slot	Effective Through		
	15	Q5	15	Q5	System (Satellite)		(Month Year)		
1-63	See IS-GPS-705 ⁱⁱⁱ		See IS-GPS-705 ⁱⁱⁱ		Reserved for GPS	See NAVCENiv	See NAVCEN ^{iv}		
64-119	See IS-GPS-705 ⁱⁱⁱ			ee S-705 ⁱⁱⁱ	Reserved for other augmentation systems	N/A	N/A		
120-158	See Below		See I	Below	Reserved for SBAS	See Below	See Below		
159-210	See Below		See I	Below	Reserved for other GNSS & other applications	See Below	See Below		
		Reser	ved for Sat	ellite-Based	l Augmentation System (SBAS) (PRNs 12	0-158)			
		1		1		T			
120	2797	6837	15142	15131	Unallocated				
121	934	1393	14314	2171	EGNOS (Eutelsat 5WB)	5 W	Apr 2024		
122	3023	7383	10305	17637	SPAN (INMARSAT 4F1)	143.5 E	Jan 2023		
123	3632	611	17333	10601	EGNOS (ASTRA 5B)	31.5 E	Nov 2021		
124	1330	4920	144	743	EGNOS (Reserved)		Apr 2024		
125	4909	5416	15605	7334	Reserved		Dec 2021		
126	4867	1611	14102	5524	EGNOS (INMARSAT 4F2)	63.9 E	Apr 2023		
127	1183	2474	1515	527	GAGAN (GSAT-8)	55 E	Sep 2020		
128	3990	118	12453	12755	GAGAN (GSAT-10)	83 E	Sep 2020		
129	6217	1382	17364	4202	Reserved		Sep 2029		
130	1224	1092	17754	12737	BDSBAS (G1)	140 E	Oct 2020		
131	1733	7950	207	6102	WAAS (Eutelsat 117 West B)	117 W	Mar 2028		
132	2319	7223	17602	13032	GAGAN (GSAT-15)	93.5 E	Nov 2025		
133	3928	1769	03473	10407	WAAS (SES-15)	129 W	Oct 2029		
134	2380	4721	15425	11366	KASS (MEASAT-3D)	91.5 E	Jun 2021		
135	841	1252	05373	10130	WAAS (Intelsat Galaxy 30)	125 W	Jul 2029		
136	5049	5147	01433	00627	EGNOS (SES-5)	5 E	Nov 2021		
137	7027	2165	01567	02553	Reserved		Sep 2029		
138	1197	7897	16360	03414	WAAS (ANIK F1R)	107.3 W	Jul 2022		
139	7208	4054	07437	04313	Unallocated				
140	8000	3498	03560	12517	Reserved		Dec 2021		
141	152	6571	17110	04105	Reserved		Dec 2021		
142	6762	2858	01562	00174	Unallocated				
143	3745	8126	05474	15167	BDSBAS (G3)	110.5 E	Oct 2020		

PRN Code Number	XB Code Advance (Chips) ⁱ		Initial XB Code State (Octal) ⁱⁱ		PRN Allocations	Orbital Slot	Effective Through
	15	Q5	15	Q5	System (Satellite)		(Month Year)
		1					1
144	4723	7017	02275	16761	BDSBAS (G2)	80 E	Oct 2020
145	5502	1901	15663	16721	Unallocated		
146	4796	181	03637	01263	Unallocated		
147	123	1114	11257	07705	NSAS (NIGCOMSAT-1R)	42.5 E	Jan 2021
148	8142	5195	07757	04234	ASAL (ALCOMSAT-1)	24.8 W	Jan 2021
149	5091	7479	00441	16023	Unallocated		
150	7875	4186	16153	06250	Unallocated		
151	330	3904	17221	00404	Unallocated		
152	5272	7128	13275	04453	Unallocated		
153	4912	1396	01560	10217	Unallocated		
154	374	4513	00274	16502	Unallocated		
155	2045	5967	04574	16073	Unallocated		
156	6616	2580	16672	16622	Unallocated		
157	6321	2575	15653	11110	Unallocated		
158	7605	7961	15061	03415	Unallocated		
	0	ther Global	l Navigatio	ո Satellite S	ystems (GNSS) & Other Applications (PF	RNs 159 - 210)	
159	2570	2598	04424	00756	Unallocated		
160	2419		04424	00756	Orianocated		
161	1224	4508	16431	00/56	Unallocated		
	1234					-	
162	1922	4508	16431	04114	Unallocated		
162 163		4508 2090	16431 15047	04114 02736	Unallocated Unallocated		
	1922	4508 2090 3685	16431 15047 05567	04114 02736 06332	Unallocated Unallocated Unallocated		
163	1922 4317	4508 2090 3685 7748	16431 15047 05567 02720	04114 02736 06332 15302	Unallocated Unallocated Unallocated Unallocated		
163 164	1922 4317 5110	4508 2090 3685 7748 684	16431 15047 05567 02720 00730	04114 02736 06332 15302 14215	Unallocated Unallocated Unallocated Unallocated Unallocated Unallocated		
163 164 165	1922 4317 5110 825	4508 2090 3685 7748 684 913	16431 15047 05567 02720 00730 11673	04114 02736 06332 15302 14215 12731	Unallocated Unallocated Unallocated Unallocated Unallocated Unallocated Unallocated	 	
163 164 165 166	1922 4317 5110 825 958	4508 2090 3685 7748 684 913 5558	16431 15047 05567 02720 00730 11673 06437	04114 02736 06332 15302 14215 12731 04112	Unallocated Unallocated Unallocated Unallocated Unallocated Unallocated Unallocated Unallocated Unallocated	 	
163 164 165 166 167	1922 4317 5110 825 958 1089	4508 2090 3685 7748 684 913 5558 2894	16431 15047 05567 02720 00730 11673 06437 07374	04114 02736 06332 15302 14215 12731 04112 07072	Unallocated	 	
163 164 165 166 167 168	1922 4317 5110 825 958 1089 7813	4508 2090 3685 7748 684 913 5558 2894 5858	16431 15047 05567 02720 00730 11673 06437 07374 12232	04114 02736 06332 15302 14215 12731 04112 07072 00060	Unallocated	 	
163 164 165 166 167 168 169	1922 4317 5110 825 958 1089 7813 6058	4508 2090 3685 7748 684 913 5558 2894 5858 6432	16431 15047 05567 02720 00730 11673 06437 07374 12232 02326	04114 02736 06332 15302 14215 12731 04112 07072 00060 14574	Unallocated		
163 164 165 166 167 168 169 170	1922 4317 5110 825 958 1089 7813 6058 7703	4508 2090 3685 7748 684 913 5558 2894 5858 6432 3813	16431 15047 05567 02720 00730 11673 06437 07374 12232 02326 07463	04114 02736 06332 15302 14215 12731 04112 07072 00060 14574 01447	Unallocated		
163 164 165 166 167 168 169 170	1922 4317 5110 825 958 1089 7813 6058 7703 6702	4508 2090 3685 7748 684 913 5558 2894 5858 6432 3813 3573	16431 15047 05567 02720 00730 11673 06437 07374 12232 02326 07463 00333	04114 02736 06332 15302 14215 12731 04112 07072 00060 14574 01447	Unallocated		

VP Code Advance Total VP Code							
PRN Code Number	XB Code Advance (Chips) ⁱ		Initial XB Code State (Octal) ⁱⁱ		PRN Allocations	Orbital Slot	Effective Through
	15	Q5	15	Q5	System (Satellite)		(Month Year)
175	1986	7424	02366	17771	Unallocated		
176	6282	2918	03651	06012	Unallocated		
177	3201	5792	17207	04512	Unallocated		
178	3760	1747	02224	17644	Unallocated		
179	1056	7079	04562	14253	Unallocated		
180	6233	2921	15660	14601	Unallocated		
181	1150	2490	10773	07732	Unallocated		
182	2823	4119	05560	07035	Unallocated		
183	6250	3373	01653	16226	Reserved		Aug 2025
184	645	977	17042	03770	Reserved		Aug 2025
185	2401	681	05103	02155	Reserved		Aug 2025
186	1639	4273	03574	01463	Reserved		Aug 2025
187	2946	5419	13272	04733	Reserved		Aug 2025
188	7091	5626	00123	06705	Reserved		Aug 2025
189	923	1266	02375	15343	Reserved		Aug 2025
190	7045	5804	17430	11661	Reserved		Aug 2025
191	6493	2414	15554	01466	Reserved		Aug 2025
192	1706	6444	15226	15527	Reserved		Aug 2025
193	5836	4757	06056	11607	QZSS (QZS-1)	A1 ^v	Aug 2025
194	926	427	06237	06472	QZSS (Reserved)		Aug 2025
195	6086	5452	10714	06146	QZSS (Reserved)		Aug 2025
196	950	5182	17561	00414	QZSS (Reserved)		Aug 2025
197	5905	6606	03741	05055	QZSS (Reserved)		Aug 2025
198	3240	6531	00161	10127	QZSS (Reserved)		Aug 2025
199	6675	4268	12644	03161	QZSS (Reserved)		Aug 2025
200	3197	3115	04166	04346	QZSS (Reserved)		Aug 2025
201	1555	6835	07643	04545	QZSS (Reserved)		Aug 2025
202	3589	862	01713	16127	QZSS (Reserved)		Aug 2025
203	4555	4856	12433	12664	Unallocated		
204	5671	2765	11563	17550	Unallocated		
205	6948	37	02701	10164	Unallocated		
206	4664	1943	15417	10254	Unallocated		
207	2086	7977	16751	14115	Unallocated		
208	5950	2512	06655	17703	Unallocated		

PRN Code Number	(Chips) ⁱ		State (Octal) ⁱⁱ		PRN Allocations	Orbital Slot	Effective Through (Month Year)
Number	15	Q5	15	Q5	System (Satellite)		(Monun rear)
209	5521	4451	07662	01363	Unallocated		
210	1515	4071	10567	11041	Unallocated		

Definitions:

Initial YR Code

Abbreviations:

ASAL - Algerian Space Agency

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

XB Code Advance

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

[&]quot;Unallocated" – This PRN number has not been assigned to a system provider for any signal (L1 C/A, L1C, L2C, or L5)

[&]quot;Reserved" – This PRN number has been assigned to a system provider for a different signal (L1 C/A, L1C or L2C). Therefore the PRN number for this signal is unassigned but held in reserve.

[&]quot;SYSTEM (Reserved)" - The system provider has been assigned the PRN for this signal, but the broadcasting satellite is not specified

ⁱ XB Code Advance is the number of XB clock cycles beyond an initial state of all 1s.

ii In the Octal notation for the first 13 chips of the I5 and Q5 XB codes as shown in these columns, the rightmost bit is the first bit out. Since the initial state of the XA Code is all 1s, these first 13 chips are also the complement of the initial states of the I5 or Q5-codes. In the Octal notation for the first 13 chips, the first digit (1/0) represents the first chip and the last four digits are the conventional Octal representation of the remaining 12 chips.

iii For further information see the latest edition of IS-GPS-705 at http://www.gps.gov/technical/icwg/.

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

V QZSS A1: RAAN = 0, Argument of Perigee = 270, Mean Anomaly = 324, at Epoch 31Dec 07 00:00:00.