

L2C PRN CODE ASSIGNMENTS

PRN Code Number	Initial Shift Register State <i>(Octal)</i>		End Shift Register State <i>(Octal)</i>		PRN Allocations System (Satellite)	Orbital Slot	Effective Through (Month Year)
	L2 CM	L2 CL	L2 CM	L2 CL			
1 – 63	See IS-GPS-200 ⁱ	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	See IS-GPS-200 ⁱ	Reserved for other augmentation systems	N/A	N/A
120 – 158	See IS-GPS-200 ⁱ	See IS-GPS-200 ⁱ	See IS-GPS-200 ⁱ	See IS-GPS-200 ⁱ	Reserved for SBAS	N/A	N/A
159 – 210	See Below	See Below	See Below	See Below	Reserved for other RNSS Systems & other applications	See Below	See Below
Reserved for Other Radio Navigation Satellite Service (RNSS) Systems & Other Applications (PRNs 159 – 210)							
159	604055104	605253024	425373114	44547544	Unallocated	---	---
160	157065232	63314262	427153064	707116115	Reserved	---	---
161	13305707	66073422	310366577	412264037	Reserved	---	---
162	603552017	737276117	623710414	223755032	Reserved	---	---
163	230461355	737243704	252761705	403114174	Reserved	---	---
164	603653437	67557532	50174703	671505575	Reserved	---	---
165	652346475	227354537	50301454	606261015	Reserved	---	---
166	743107103	704765502	416652040	223023120	Reserved	---	---
167	401521277	44746712	50301251	370035547	Reserved	---	---
168	167335110	720535263	744136527	516101304	Reserved	---	---
169	14013575	733541364	633772375	44115766	Reserved	---	---
170	362051132	270060042	7131446	704125517	Reserved	---	---
171	617753265	737176640	142007172	406332330	Reserved	---	---
172	216363634	133776704	655543571	506446631	Reserved	---	---
173	755561123	5645427	31272346	743702511	Reserved	---	---
174	365304033	704321074	203260313	22623276	Reserved	---	---

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

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	L2 CM	L2 CL	L2 CM	L2 CL			
175	625025543	137740372	226613112	704221045	Reserved	---	---
176	54420334	56375464	736560607	372577721	Reserved	---	---
177	415473671	704374004	11741374	105175230	Reserved	---	---
178	662364360	216320123	765056120	760701311	Reserved	---	---
179	373446602	11322115	262725266	737141001	Reserved	---	---
180	417564100	761050112	13051476	227627616	Unallocated	---	---
181	526452	725304036	144541215	245154134	Unallocated	---	---
182	226631300	721320336	534125243	40015760	Unallocated	---	---
183	113752074	443462103	250001521	2154472	Reserved	---	---
184	706134401	510466244	276000566	301767766	Reserved	---	---
185	41352546	745522652	447447071	226475246	Reserved	---	---
186	664630154	373417061	202044	733673015	Reserved	---	---
187	276524255	225526762	751430577	602507667	Reserved	---	---
188	714720530	47614504	136741270	753362551	Reserved	---	---
189	714051771	34730440	257252440	746265601	Reserved	---	---
190	44526647	453073141	757666513	36253206	Reserved	---	---
191	207164322	533654510	606512137	202512772	Reserved	---	---
192	262120161	377016461	734247645	701234023	Reserved	---	---
193	204244652	235525312	415505547	722043377	Reserved	---	---
194	202133131	507056307	705146647	240751052	QZSS	See ⁱⁱⁱ	Aug 2030
195	714351204	221720061	6215430	375674043	QZSS	See ⁱⁱⁱ	Aug 2030
196	657127260	520470122	371216176	166677056	QZSS	See ⁱⁱⁱ	Aug 2030
197	130567507	603764120	645502771	123055362	QZSS	See ⁱⁱⁱ	Aug 2030
198	670517677	145604016	455175106	707017665	QZSS (Test)	---	Aug 2030
199	607275514	51237167	127161032	437503241	QZSS	See ⁱⁱⁱ	Aug 2030

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	L2 CM	L2 CL	L2 CM	L2 CL			
200	45413633	33326347	470332401	275605155	QZSS	See ⁱⁱⁱ	Aug 2030
201	212645405	534627074	252026355	376333266	QZSS	See ⁱⁱⁱ	Aug 2030
202	613700455	645230164	113771472	467523556	QZSS (Test)	---	Aug 2030
203	706202440	171400	754447142	144132537	Reserved	---	---
204	705056276	22715417	627405712	451024205	Reserved	---	---
205	20373522	135471311	325721745	722446427	Reserved	---	---
206	746013617	137422057	56714616	412376261	Reserved	---	---
207	132720621	714426456	706035241	441570172	Reserved	---	---
208	434015513	640724672	173076740	63217710	Reserved	---	---
209	566721727	501254540	145721746	110320656	Reserved	---	---
210	140633660	513322453	465052527	113765506	Unallocated	---	---

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	L2 CM	L2 CL	L2 CM	L2 CL			

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>