



IALA INFORMATION

TABLE OF DGNSS STATIONS

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International Association of Marine Aids to Navigation and Lighthouse Authorities

Association Internationale de Signalisation Maritime



DOCUMENT HISTORY

Revisions to this IALA Document are to be noted in the table prior to the issue of a revised document.

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1 ARABIAN GULF

Table of DGNSS Stations			Country: ARABIAN GULF (Bahrain, Kuwait, United Arab Emirate)			Date of issue: January 2002 Date of last update: September 2018					
Station name	Identification Numbers		Geographical Position Latitude Longitude (WGS84)	Nominal range		Station in operation	Integrity Monitoring	Transmitted message types	Freq. (kHz)	Bit Rate (bps)	Remarks
	Reference Stations	Transmitting Station		km	at ($\mu\text{V}/\text{m}$)						
Bahrain	480 481	140	26° 07.00' N 50° 39.00' E	240	75	Yes	Yes	3 6 7 9 16	298	200	
Kuwait	482 483	141	29° 07.21' N 48° 08.20' E	248	75	Yes	Yes	3 6 7 9 16	295	200	
UAE (Ras Al Khaimah)	484 485	142	25° 59.00' N 56° 04.00' E	250	75	Yes	Yes	3 6 7 9 16	292	200	
UAE (Abu Dhabi)	486 487	143	24° 06.00' N 52° 56.00' E	250	75	Yes	Yes	3 6 7 9 16	314	200	



2 ARGENTINA

Table of DGNSS Stations			Country: ARGENTINA			Date of issue: December 2011 Date of last update: September 2018					
Station name	Identification Numbers		Geographical Position Latitude Longitude (WGS84)	Nominal range		Station in operation	Integrity Monitoring	Transmitted message types	Freq. (kHz)	Bit Rate (bps)	Remarks
	Reference Stations	Transmitting Station		km	at ($\mu\text{V}/\text{m}$)						

Remarks

1. No DGNSS service in Argentina at the moment



3 AUSTRALIA

Table of DGNSS Stations			Country: AUSTRALIA			Date of issue: January 2002 Date of last update: September 2018					
Station name	Identification Numbers		Geographical Position Latitude Longitude (WGS84)	Nominal range		Station in operation	Integrity Monitoring	Transmitted message types	Freq. (kHz)	Bit Rate (bps)	Remarks
	Reference Stations	Transmitting Station		km	at (µV/m)						
Albany	011	711	35°05' 15.168" S 117°54' 01.752" E	370	75	Yes	Yes	3 5 7 9 16	315	200	
Brisbane	007	707	27°04' 08.797" S 153°03' 18.941" E	278	100	Yes	Yes	3 5 7 9 16	294	200	
Cape Flattery	005	705	14°57' 59.166" S 145°17'58.992" E	222	100	Yes	Yes	3 5 7 9 16	304	200	
Corny Point	010	710	34°53' 58.305" S 137°00' 52.539" E	370	75	Yes	Yes	3 5 7 9 16	316	200	
Crib Point	000	700	38° 21' 36.702" S 145° 10' 11.538" E	370	75	Yes	Yes	3 5 7 9 16	314	200	
Darwin	014	714	12° 26' 42.989" S 130° 57' 30.543" E	370		Yes	Yes	3 5 7 9 16	294	200	
Exmouth	015	715	21° 53' 03.3041" S 114° 08' 02.3719" E	370		Yes	Yes	3 5 7 9 16	297	200	
Gladstone	006	706	24°02' 12.544" S 151°21' 31.570" E	370	100	Yes	Yes	3 5 7 9 16	313	200	
Horn Island	002	702	10°35' 31.021" S 142°16' 28.810" E	222		Yes	Yes	3 5 7 9 16	320	200	
Ingham	008	708	18° 33' 20.248" S 146°18' 21.087" E	278	100	Yes	Yes	3 5 7 9 16	306	200	
Karratha	001	701	20° 42' 24.840" S 116° 46' 26.152" E	370		Yes	Yes	3 5 7 9 16	304	200	



Table of DGNSS Stations			Country: AUSTRALIA			Date of issue: January 2002 Date of last update: September 2018					
Station name	Identification Numbers		Geographical Position Latitude Longitude (WGS84)	Nominal range		Station in operation	Integrity Monitoring	Transmitted message types	Freq. (kHz)	Bit Rate (bps)	Remarks
	Reference Stations	Transmitting Station		km	at (μ V/m)						
Mackay	004	704	21° 06' 11.642" S 149° 12' 40.872" E	278		Yes	Yes	3 5 7 9 16	315	200	
Mallacoota	013	713	37° 34' 05.523" S 149° 44' 09.804" E	370		Yes	Yes	3 5 7 9 16	318	200	
Perth	012	712	31° 47' 52.854" S 115° 56' 00.582" E	370		Yes	Yes	3 5 7 9 16	306	200	
Sydney	003	703	33° 59' 10.763" S 150° 58' 40.282" E	222		Yes	Yes	3 5 7 9 16	308	200	
Weipa	009	709	12° 39' 12.658" S 141° 51' 36.631" E	370		Yes	Yes	3 5 7 9 16	316	200	



4 AUSTRIA

Table of DGNSS Stations			Country: AUSTRIA			Date of issue: November 2014					
Station name	Identification Numbers		Geographical Position Latitude Longitude (WGS84)	Nominal range		Station in operation	Integrity Monitoring	Transmitted message types	Freq. (kHz)	Bit Rate (bps)	Remarks
	Reference Stations	Transmitting Station		km	at ($\mu\text{V}/\text{m}$)						

Remarks

1. No DGNSS service in Austria at the moment



5 AZERBAIJA

Table of DGNSS Stations			Country: AZERBAIJAN			Date of issue: December 2012 Date of last update: November 2014					
Station name	Identification Numbers		Geographical Position Latitude Longitude (WGS84)	Nominal range		Station in operation	Integrity Monitoring	Transmitted message types	Freq. (kHz)	Bit Rate (bps)	Remarks
	Reference Stations	Transmitting Station		km	at ($\mu\text{V}/\text{m}$)						
Baku	185 186	95	40° 19' N 50° 36' E	500	62	Yes	Yes	1, 3, 16	309.5	200	



6 BANGLADESH

Table of DGNSS Stations			Country: BANGLADESH			Date of issue: November 2014					
Station name	Identification Numbers		Geographical Position Latitude Longitude (WGS84)	Nominal range		Station in operation	Integrity Monitoring	Transmitted message types	Freq. (kHz)	Bit Rate (bps)	Remarks
	Reference Stations	Transmitting Station		km	at ($\mu\text{V}/\text{m}$)						
Dohazari, Chittagong	301		22° 09' 53.58" N 092° 03' 16.57" E	300	110	YES	YES	2 3 5 7 9 16	305.0	200	
Monirampur, Jessore	201		23° 00' 59.23" N 089° 14' 03.65" E	300	128	YES	YES	2 3 5 7 9 16	295.0	200	
Rupchandrapur, Mymensingh	101		24° 48' 50.87" N 090° 26' 28.24" E	300	127	YES	YES	2 3 5 7 9 16	300.0	200	

Remarks

1. Stations operating time 09:00-17:00



7 BELGIUM

Table of DGNSS Stations			Country: BELGIUM			Date of issue: January 2002 Date of last update: September 2018					
Station name	Identification Numbers		Geographical Position Latitude Longitude (WGS84)	Nominal range		Station in operation	Integrity Monitoring	Transmitted message types	Freq. (kHz)	Bit Rate (bps)	Remarks
	Reference Stations	Transmitting Station		km	at ($\mu\text{V}/\text{m}$)						
Oostende	640	420	51° 13' 19" N 02° 55' 52" E	220	50	Yes	Yes	1 3 7 9 16 27	312	200	



8 BERMUDA

Table of DGNSS Stations			Country: BERMUDA			Date of issue: January 2002 Date of last update: November 2014					
Station name	Identification Numbers		Geographical Position Latitude Longitude (WGS84)	Nominal range		Station in operation	Integrity Monitoring	Transmitted message types	Freq. (kHz)	Bit Rate (bps)	Remarks
	Reference Stations	Transmitting Station		km	at ($\mu\text{V}/\text{m}$)						
St. Davids Head		950	32° 22' 06" N 64° 38' 95" W	277	75	Yes	Yes	1 3 5 7 16	323	100	



9 BRAZIL

Table of DGNSS Stations			Country: BRAZIL				Date of issue: January 2002 Date of last update: August 2015				
Station name	Identification Numbers		Geographical Position Latitude Longitude (WGS84)	Nominal range		Station in operation	Integrity Monitoring	Transmitted message types	Freq. (kHz)	Bit Rate (bps)	Remarks
	Reference Stations	Transmitting Station		km	at (μV/m)						
Abrolhos	461	242	17° 57' 47" S 038° 41' 45" W	370	20	Yes	No	1 2 3 6 16	290	100	1,2
Calcanhar	467	223	05° 09' 40" S 035° 29' 11" W	370	20	Yes	No	1 2 3 6 16	305	100	1,2
SantaMarta	466	269	28° 36' 14" S 048° 48' 45" W	370	20	Yes	No	1 2 3 6 16	310	100	1,2
Canivete	463	204	00° 30' 34" S 050° 24' 53" W	300	20	Yes	No	1 2 3 6 16	310	100	1, 2
Moela	462	259	24° 03' 05" S 046° 15' 53" W	370	20	Yes	No	1 2 3 6 16	305	100	1,2
Paranagua	470	262	25° 29' 42" S 048° 19' 34" W	370	20	Yes	No	1 2 3 6 16	320	100	1,2
Rasa	469	252	23° 03' 49" S 043° 08' 46" W	370	20	Yes	No	1 2 3 6 16	315	100	1,2
SãoMarcos	460	211	02° 29' 19" S 044° 18' 06" W	370	20	Yes	No	1 2 3 6 16	300	100	1,2
Rio Grande	464	278	32° 08' 58" S 052° 06' 08" W	370	20	Yes	No	1 2 3 6 16	290	100	1,2
São Tomé	465	248	22° 02' 33" S 041° 03' 14" W	370	20	Yes	Yes	3 6 9 16	300	200	1, 2
Sergipe	468	224	10° 58' 10" S 037° 02' 12" W	370	20	Yes	No	1 2 3 6 16	320	100	1, 2



Remarks

1. All reference position of DGNSS antennas refer to WGS84 Datum and are nationwide adjusted so that in the event of a station outage, the user receiver with automatic station tuning capability changeover to neighbouring station(s) corrections without experiencing sudden shifts in its position
2. The inherent accuracy of the system is 3 metres, added to a degradation proportional to 2 ppm x distance to the reference station



10 BULGARIA

Table of DGNSS Stations			Country: BULGARIA			Date of issue: January 2002 Date of last update: November 2014					
Station name	Identification Numbers		Geographical Position Latitude Longitude (WGS84)	Nominal range		Station in operation	Integrity Monitoring	Transmitted message types	Freq. (kHz)	Bit Rate (bps)	Remarks
	Reference Stations	Transmitting Station		km	at (μ V/m)						
Cavarna	900 901	540	43° 25' 06" N 28° 22' 30" E	200		YES	YES		300.0		



11 CANADA

Table of DGNSS Stations			Country: CANADA			Date of issue: January 2002 Date of last update: September 2018					
Station name	Identification Numbers		Geographical Position Latitude Longitude (WGS84)	Nominal range		Station in operation	Integrity Monitoring	Transmitted message types	Freq. (kHz)	Bit Rate (bps)	Remarks
	Reference Stations	Transmitting Station		Km	at (µV/m)						
Alert Bay, BC	300 301	909	50° 35.19' N 126° 55.49' W	500	75	Yes	Yes	3, 6, 7, 9, 16	309.0	200	1, 2
Cape Race, NL	338 339	940	46° 45.70' N 53° 10.82' W	500	75	Yes	Yes	3, 6, 7, 9, 16	315.0	200	1, 2
Cape Ray, NL	340 341	942	47° 38.07' N 59° 14.23' W	500	75	Yes	Yes	3, 6, 7, 9, 16	288.0	200	1, 2
Cardinal, ON	308 309	919	44° 47.28' N 75° 25.28' W	125	100	Yes	Yes	3, 6, 7, 9, 16	306.0	200	1, 2
Fox Island, NS	336 337	934	45° 19.77' N 61° 04.76' W	325	75	Yes	Yes	3, 6, 7, 9, 16	307.0	200	1, 2
Hartlen Point, NS	330 331	937	44° 35.54' N 63° 27.12' W	500	75	Yes	Yes	3, 6, 7, 9, 16	298.0	200	1, 2
Lauzon, QC	316 317	927	46° 48.74' N 71° 09.56' W	350	100	Yes	Yes	3, 6, 7, 9, 16	309.0	200	1, 2
Partridge Island, NB	326 327	939	45° 14.39' N 66° 03.22' W	475	75	Yes	Yes	3, 6, 7, 9, 16	295.0	200	1, 2
Cape Norman, NL	342 343	944	51° 29.93' N 55° 49.49' W	525	75	Yes	Yes	3, 6, 7, 9, 16	310.0	200	1, 2
Pont Escuminac, NB	332 333	936	47°04.40' N 64° 47.90' W	475	75	Yes	Yes	3, 6, 7, 9, 16	319.0	200	1, 2
Sandspit, BC	306 307	906	53° 14.12' N 131° 48.54' W	425	75	Yes	Yes	3, 6, 7, 9, 16	300.0	200	1, 2



Table of DGNSS Stations			Country: CANADA			Date of issue: January 2002 Date of last update: September 2018					
Station name	Identification Numbers		Geographical Position Latitude Longitude (WGS84)	Nominal range		Station in operation	Integrity Monitoring	Transmitted message types	Freq. (kHz)	Bit Rate (bps)	Remarks
	Reference Stations	Transmitting Station		Km	at ($\mu\text{V}/\text{m}$)						
Rigolet, NL	344 345	946	54° 10.68' N 58° 26.64' W	450	75	Yes	Yes	3, 6, 7, 9, 16	299.0	200	1, 2
Rivière-du-Loup, QC	318 319	926	47° 45.62' N 69° 36.34' W	200	100	Yes	Yes	3, 6, 7, 9, 16	300.0	200	1, 2
St-Jean-sur-Richelieu, QC	312 313	929	45° 19.28' N 73° 18.62' W	225	100	Yes	Yes	3, 6, 7, 9, 16	296.0	200	1, 2
Moisie, QC	320 321	925	50° 11.71' N 66° 06.64' W	300	100	Yes	Yes	3, 6, 7, 9, 16	313.0	200	1, 2
Amphitrite Point, BC	302 303	908	48° 55.46' N 125° 32.53' W	375	75	Yes	Yes	3, 6, 7, 9, 16	315.0	200	1, 2
Richmond, BC	304 305	907	49° 05.74' N 123° 10.61' W	150	75	Yes	Yes	3, 6, 7, 9, 16	320.0	200	1, 2
Western Head, NS	334 335	935	43° 59.40' N 64° 39.72' W	400	75	Yes	Yes	3, 6, 7, 9, 16	312.0	200	1, 2
Warton, ON	310 311	918	44° 44.84' N 81° 06.69' W	200	100	Yes	Yes	3, 6, 7, 9, 16	286.0	200	1, 2

Remarks

1. No DF identifier
2. Range based on field strength measurement



12 CHINA

Table of DGNSS Stations			Country: CHINA			Date of issue: January 2002 Date of last update: November 2014					
Station name	Identification Numbers		Geographical Position Latitude Longitude (WGS84)	Nominal range		Station in operation	Integrity Monitoring	Transmitted message types	Freq. (kHz)	Bit Rate (bps)	Remarks
	Reference Stations	Transmitting Station		Km	at (μV/m)						
Dasanshan	602 603	601	38° 52' N 121° 50' E	300	75	Yes	Yes	9 16	301.5	200	
Laotieshan	604 605	602	38° 44' N 121° 08' E	300	75	Yes	Yes	9 16	307.5	200	
Qinhuangdao	606 607	603	39° 55' N 119° 37' E	300	75	Yes	Yes	9 16	287.5	200	
Beitang	608 609	604	38° 50' N 117° 50' E	300	75	Yes	Yes	9 16	310.5	200	
Yingkou	610 611	605	40° 17' N 122° 06' E	300	75	Yes	Yes	9, 16	291.5	200	
Chengshanjiao	612 613	606	37° 24' N 122° 41' E	300	75	Yes	Yes	9 16	317	200	
Wangjiamai	614 615	607	36°04' N 120°26' E	300	75	Yes	Yes	9 16	313.5	200	
Yanweigang	620 621	610	34° 29' N 119° 47' E	300	75	Yes	Yes	9 16	291	200	
Haozhigang	622 623	611	32° 01' N 121° 43' E	300	75	Yes	Yes	9 16	304	200	
Dajishan	624 625	612	30° 49' N 122° 10' E	300	75	Yes	Yes	9 16	307.5	200	
Dinghai	626 627	613	30° 01' N 122° 04' E	300	75	Yes	Yes	9 16	310	200	



Table of DGNS Stations			Country: CHINA			Date of issue: January 2002 Date of last update: November 2014					
Station name	Identification Numbers		Geographical Position Latitude Longitude (WGS84)	Nominal range		Station in operation	Integrity Monitoring	Transmitted message types	Freq. (kHz)	Bit Rate (bps)	Remarks
	Reference Stations	Transmitting Station		Km	at (μ V/m)						
Shitang	628 629	614	28° 16' N 121° 37' E	300	75	Yes	Yes	9 16	295	200	
Tiandashan	630 631	615	25° 28' N 119° 42' E	300	75	Yes	Yes	9 16	313	200	
Zhenhaijiao	632 633	616	24° 16' N 118° 08' E	300	75	Yes	Yes	9 16	320	200	
Lingkun	634 635	617	27° 58' N 120° 54' E	300	75	Yes	Yes	9, 16	286.5	200	
Dezhoudao	640 641	620	23° 19.6' N 116° 45' E	300	75	Yes	Yes	9 16	317	200	
Sanzaodao	642 643	621	22° 00.6' N 113° 24' E	300	75	Yes	Yes	9 16	291	200	
Naozhoudao	644 645	622	20° 54.1' N 110° 36' E	300	75	Yes	Yes	9 16	301	200	
Fangchenggang	646 647	623	21° 35' N 108° 19' E	300	75	Yes	Yes	9 16	287	200	
Baohujiao	652 653	626	20° 00' N 110° 55' E	300	75	Yes	Yes	9 16	310.5	200	
Sanya	654 655	627	18° 17' N 109° 21' E	300	75	Yes	Yes	9 16	295	200	
Yangpugang	656 657	628	19° 43' N 109° 12' E	300	75	Yes	Yes	9 16	313	200	



13 HONG KONG

Table of DGNS Stations			Country: HONG KONG			Date of issue: January 2002 Date of last update: November 2014					
Station name	Identification Numbers		Geographical Position Latitude Longitude (WGS84)	Nominal range		Station in operation	Integrity Monitoring	Transmitted message types	Freq. (kHz)	Bit Rate (bps)	Remarks
	Reference Stations	Transmitting Station		Km	at (μ V/m)						
Kau Yi Chau	852 853		22° 17' N 114° 04' E	50	50	Yes	Yes	1, 3, 5, 7 16	289	200	



14 CUBA

Table of DGNSS Stations			Country: CUBA			Date of issue: December 2011 Date of last update: November 2014					
Station name	Identification Numbers		Geographical Position Latitude Longitude (WGS84)	Nominal range		Station in operation	Integrity Monitoring	Transmitted message types	Freq. (kHz)	Bit Rate (bps)	Remarks
	Reference Stations	Transmitting Station		Km	at ($\mu\text{V}/\text{m}$)						



15 CZECH

Table of DGNSS Stations			Country: CZECH			Date of issue: November 2014 Date of last update: November 2014					
Station name	Identification Numbers		Geographical Position Latitude Longitude (WGS84)	Nominal range		Station in operation	Integrity Monitoring	Transmitted message types	Freq. (kHz)	Bit Rate (bps)	Remarks
	Reference Stations	Transmitting Station		Km	at (μ V/m)						
Obříství	850 851		50° 18' 04" N 014° 29' 02" E	200	75	Yes	Yes		295	100	



16 DENMARK / FAROE ISLANDS

Table of DGNS Stations			Country: DENMARK / FAROE ISLANDS			Date of issue: January 2002 Date of last update: November 2014					
Station name	Identification Numbers		Geographical Position Latitude Longitude (WGS84)	Nominal range		Station in operation	Integrity Monitoring	Transmitted message types	Freq. (kHz)	Bit Rate (bps)	Remarks
	Reference Stations	Transmitting Station		Km	at (μ V/m)						
Blavandshuk	705 706	452	55° 33' N 008° 05' E	277	50	Yes	Yes	3 6 7 9 16	290	100	1
Hammerodde	700 701	451	55° 17' N 014° 46' E	330	50	Yes	Yes	3 6 7 9 16	289.5	100	1
Skagen	710 711	453	57° 44' N 010° 35' E	270	50	Yes	Yes	3 6 7 9 16	296	100	1
Thorshavn	715 716	454	62° 01' N 006° 50' W	370	50	Yes	Yes	3 6 7 9 16	287.5	100	1

Remarks

1. Normal operation with 24 hour monitoring



17 EGYPT

Table of DGNSS Stations			Country: EGYPT			Date of issue: November 2014 Date of last update: November 2014					
Station name	Identification Numbers		Geographical Position Latitude Longitude (WGS84)	Nominal range		Station in operation	Integrity Monitoring	Transmitted message types	Freq. (kHz)	Bit Rate (bps)	Remarks
	Reference Stations	Transmitting Station		Km	at (μV/m)						
Alexandria	440 441	320	31° 09' 28" N 029° 50' 77" E	278		Yes	Yes	3 6 7 9 16	284	200	
MersaMatruh	448 449	324	31° 21' 55" N 027° 14' 80" E	278		Yes	Yes	3 6 7 9 16	307	200	
Port Said	442 443	321	31° 16' 34" N 032° 17' 57" E	324		Yes	Yes	3 6 7 9 16	290	200	
Quseir	450 451	325	26° 08' 26" N 034° 15' 65" E	482		Yes	Yes	3 6 7 9 16	314.5	200	
RasGharib	446 447	323	28° 21' 10" N 033° 06' 61" E	278		Yes	Yes	3 6 7 9 16	298	200	
Ras Umm Sid	444 445	322	27° 50' 90" N 034° 18' 80" E	234		Yes	Yes	3 6 7 9 16	293.5	200	



18 ESTONIA

Table of DGNSS Stations			Country: ESTONIA			Date of issue: January 2002 Date of last update: September 2018					
Station name	Identification Numbers		Geographical Position Latitude Longitude (WGS84)	Nominal range		Station in operation	Integrity Monitoring	Transmitted message types	Freq. (kHz)	Bit Rate (bps)	Remarks
	Reference Stations	Transmitting Station		Km	at ($\mu\text{V}/\text{m}$)						
Narva	841	531	59° 28' N 028° 02' E	150	50	Yes	Yes	3 9 16	295.5	100	
Ristna	840	530	58° 56' N 022° 03' E	150	50	Yes	Yes	3 9 16	307	100	



19 FINLAND

Table of DGNSS Stations			Country: FINLAND			Date of issue: January 2002 Date of last update: November 2018					
Station name	Identification Numbers		Geographical Position Latitude Longitude (WGS84)	Nominal range		Station in operation	Integrity Monitoring	Transmitted message types	Freq. (kHz)	Bit Rate (bps)	Remarks
	Reference Stations	Transmitting Station		Km	at (μV/m)						
Haarajoki	607	407	60° 31' N 025° 10' E	250	50	Yes	Yes	3 6 7 9 16	292.5	100	
Klamila	606	406	60° 30' N 027° 26' E	250	50	Yes	Yes	3 6 7 9 16	287	100	
Kokkola	608	408	63° 52' N 023° 11' E	250	50	Yes	Yes	3 6 7 9 16	290.5	100	
Mäntyluoto	601	401	61° 36' N 021° 28' E	250	50	Yes	Yes	3 6 7 9 16	287.5	100	
Marjaniemi	605	405	65° 02' N 024° 34' E	250	50	Yes	Yes	3 6 7 9 16	314.5	100	
Outokumpu	603	403	62° 41' N 029° 01' E	70	50	Yes	Yes	3 6 7 9 16	304.5	100	
Porkkala	600	400	59° 58' N 024° 23' E	250	50	Yes	Yes	3 6 7 9 16	293.5	100	
Puumala	602	402	61° 24' N 028° 14' E	70	50	Yes	Yes	3 6 7 9 16	290.0	100	
Turku	604	404	60° 26' N 022° 13' E	200	50	Yes	Yes	3 6 7 9 16	301.5	100	
Savonlinna	609	409	62° 05' N 028° 39' E			planned		3 6 7 9 16	286	100	



20 FRANCE

Table of DGNSS Stations			Country: FRANCE			Date of issue: January 2002 Date of last update: March 2019					
Station name	Identification Numbers		Geographical Position Latitude Longitude (WGS84)	Nominal range		Station in operation	Integrity Monitoring	Transmitted message types	Freq. (kHz)	Bit Rate (bps)	Remarks
	Reference Stations	Transmitting Station		Km	at (μV/m)						
Cap Bear (BEAR)	468	338	42° 31' N 003° 08' E	200	50	Yes	Yes	1 3 5 7 9	304.5	100	
Cap Ferret (FERR)	466	336	44° 39' N 001° 15' W	200	50	Yes	Yes	1 3 5 7 9	310	100	
Heauville (HEAU)	460	330	49° 34' N 001° 46' W	200	50	Yes	Yes	1 3 5 7 9	299	100	
Olonne (SABL)	464	334	46° 31' N 001° 48' W	200	50	Yes	Yes	1 3 5 7 9	307	100	
Pont de Buis (PNDB)	462	332	48° 18' N 004° 05' W	200	50	Yes	Yes	1 3 5 7 9	308.5	100	
Porquerolles (PORQ)	469	339	42° 59' N 006° 12' E	250	50	Yes	Yes	1 3 5 7 9	286.5	100	



21 FRENCH GUIANA

Table of DGNSS Stations			Country: FRENCH GUIANA			Date of issue: May 2004 Date of last update: November 2014					
Station name	Identification Numbers		Geographical Position Latitude Longitude (WGS84)	Nominal range		Station in operation	Integrity Monitoring	Transmitted message types	Freq. (kHz)	Bit Rate (bps)	Remarks
	Reference Stations	Transmitting Station		Km	at (μ V/m)						
Cayenne (CAYN)	475	986	04° 56.95' N 052° 18.55' W	200	50	Yes	Yes	1 3 5 7 9	307	100	



22 GERMANY

Table of DGNSS Stations			Country: GERMANY			Date of issue: January 2002 Date of last update: November 2014					
Station name	Identification Numbers		Geographical Position Latitude Longitude (WGS84)	Nominal range		Station in operation	Integrity Monitoring	Transmitted message types	Freq. (kHz)	Bit Rate (bps)	Remarks
	Reference Stations	Transmitting Station		Km	at (µV/m)						
Helgoland	762	492	54° 11' N 007° 53' E	285	50	Yes	Yes	3 6 7 9 16	298.5	100	
Koblenz	760	490	50° 22' N 007° 38' E	225	50	Yes	Yes	3 6 7 9 16	302.5	100	
Zeven	763	493	53° 17' N 009° 15' E	285	50	Yes	Yes	3 6 7 9 16	303.5	100	
GroßMohrdorf	761	491	54° 22' N 012° 55' E	285	50	Yes	Yes	3 6 7 9 16	308.0	100	
Iffezheim	764	494	48° 50' N 008° 07' E	225	50	Yes	Yes	3 6 7 9 16	293.5	100	
Bad Abbach	765	495	48° 56' N 012° 02' E	225	50	Yes	Yes	3 6 7 9 16	314.5	100	
Mauken	766	496	51° 43' N 012° 49' E	225	50	Yes	Yes	3 6 7 9 16	313.5	100	



23 GREECE

Table of DGNSS Stations			Country: GREECE			Date of issue: November 2014 Date of last update: November 2014					
Station name	Identification Numbers		Geographical Position Latitude Longitude (WGS84)	Nominal range		Station in operation	Integrity Monitoring	Transmitted message types	Freq. (kHz)	Bit Rate (bps)	Remarks
	Reference Stations	Transmitting Station		Km	at (μ V/m)						

Remarks

1. No DGPS service at the moment



24 HUNGARY

Table of DGNSS Stations			Country: HUNGARY			Date of issue: November 2014 Date of last update: November 2014					
Station name	Identification Numbers		Geographical Position Latitude Longitude (WGS84)	Nominal range		Station in operation	Integrity Monitoring	Transmitted message types	Freq. (kHz)	Bit Rate (bps)	Remarks
	Reference Stations	Transmitting Station		Km	at (μ V/m)						

Remarks

- No DGPS service at the moment



25 ICELAND

Table of DGNSS Stations			Country: ICELAND			Date of issue: January 2002 Date of last update: November 2014					
Station name	Identification Numbers		Geographical Position Latitude Longitude (WGS84)	Nominal range		Station in operation	Integrity Monitoring	Transmitted message types	Freq. (kHz)	Bit Rate (bps)	Remarks
	Reference Stations	Transmitting Station		Km	at (μ V/m)						
Bjartangar	624 625	412	65° 30.15' N 024° 31.89' W	250	50	Yes	Yes	3 6 7 9 16	300	100	
Djupivogur	630 631	415	64° 39.15' N 014° 16.60' W	250	50	Yes	Yes	3 6 7 9 16	291	100	
Raufarhofn	628 629	414	66° 27.01' N 015° 57.25' W	250	50	Yes	Yes	3 6 7 9 16	289.5	100	
Reykjanes	622 623	411	63° 48.93' N 022° 42.26' W	250	50	Yes	Yes	3 6 7 9 16	293.5	100	
Skagatá	626 627	413	66° 07.16' N 020° 05.92' W	250	50	Yes	Yes	3 6 7 9 16	289	100	
Skardsfjara	632 633	416	63° 31.07' N 017° 58.73' W	250	50	Yes	Yes	3 6 7 9 16	287	100	



26 INDIA

Table of DGNSS Stations			Country: INDIA			Date of issue: January 2002 Date of last update: November 2014					
Station name	Identification Numbers		Geographical Position Latitude Longitude (WGS84)	Nominal range		Station in operation	Integrity Monitoring	Transmitted message types	Freq. (kHz)	Bit Rate (bps)	Remarks
	Reference Stations	Transmitting Station		Km	at (μ V/m)						
Okha	400 401	100	22° 28' 35.282" N 069° 04' 11.115" E	185	100	Yes	Yes	3,5,7,9,16	296	100	
Porbandar	402 403	101	21° 37' 21.219" N 69° 37' 12.004" E	185	100	Yes	Yes	3,5,7,9,16	293	100	
Gopnath	404 405	102	21° 12' 11.879" N 072° 06' 31.199" E	185	100	Yes	Yes	3,5,7,9,16	299	100	
Hazira	408 409	104	21° 05' 31.433" N 72° 38' 34.607" E	185	100	Yes	Yes	3,5,7,9,16	314	100	
Utan Point	406 407	103	19° 16' 42.182" N 072° 46' 50.854" E	185	100	Yes	Yes	3,5,7,9,16	306	100	
Ratnagiri	420 421	110	16° 59' 16.374" N 073° 16' 20.599" E	185	100	Yes	Yes	3,5,7,9,16	308	100	
Aguada	410 411	105	15° 29' 32.178" N 073° 46' 20.849" E	185	100	Yes	Yes	3,5,7,9,16	288	100	
Suratkal Point	412 413	106	13° 00' 17.027" N 074° 47' 23.386" E	185	100	Yes	Yes	3,5,7,9,16	320	100	
Azhikode (Periyar River)	414 415	107	10° 12' 13.038" N 076° 09' 27.305" E	185	100	Yes	Yes	3,5,7,9,16	301	100	
Minicoy Island	418 419	109	08° 16' 09.958" N 073° 01' 33.265" E	185	100	Yes	Yes	3,5,7,9,16	306	100	
PandiyarThivu	424 425	112	08° 47' 08.913" N 078° 11' 48.560" E	185	100	Yes	Yes	3,5,7,9,16	309	100	



Table of DGNS Stations			Country: INDIA			Date of issue: January 2002 Date of last update: November 2014					
Station name	Identification Numbers		Geographical Position Latitude Longitude (WGS84)	Nominal range		Station in operation	Integrity Monitoring	Transmitted message types	Freq. (kHz)	Bit Rate (bps)	Remarks
	Reference Stations	Transmitting Station		Km	at ($\mu\text{V}/\text{m}$)						
Rameshwaram	446 447	123	09° 17' 01.893" N 079° 18' 31.828" E	185	100	Yes	Yes	3,5,7,9,16	311	100	
Nagapatinam	426 427	113	10° 45' 58.133" N 079° 51' 00.372" E	185	100	Yes	Yes	3,5,7,9,16	323	100	
Pondicherry	422 423	111	11° 54' 59.028" N 079° 49' 51.725" E	185	100	Yes	Yes	3,5,7,9,16	315	100	
Pulicat	430 431	115	13° 25' 15.943" N 080° 19' 36.393" E	185	100	Yes	Yes	3,5,7,9,16	319	100	
Krishnapatnam	432 433	116	14° 15' 17.533" N 080° 07' 33.235" E	185	100	Yes	Yes	3,5,7,9,16	297	100	
Antervedi	436 437	118	16° 19' 01.118" N 081° 43' 32.844" E	185	100	Yes	Yes	3,5,7,9,16	320	100	
Dolphin's Nose Vishakhapatnam	428 429	114	17° 40' 41.986" N 083° 17' 29.149" E	185	100	Yes	Yes	3,5,7,9,16	295	100	
Paradip	440 441	120	20° 15' 21.040" N 086° 39' 19.883" E	185	100	Yes	Yes	3,5,7,9,16	290	100	
Sagar Island	434 435	117	21° 39' 30.557" N 088° 02' 49.105" E	185	100	Yes	Yes	3,5,7,9,16	318	100	
East Island	442 443	121	13° 37' 52.039" N 093° 02' 49.902" E	185	100	Yes	Yes	3,5,7,9,16	313	100	
Keating Point	438 439	119	09° 15' 20.278" N 092° 46' 31.226" E	185	100	Yes	Yes	3,5,7,9,16	317	100	
Campbell Bay	444 445	122	07° 29.91278' N 093° 56' 11.74246" E	185	100	Yes	Yes	3,5,7,9,16	289	100	

27 IRAQ

Table of DGNSS Stations			Country: IRAQ			Date of issue: September 2018 Date of last update: September 2018					
Station name	Identification Numbers		Geographical Position Latitude Longitude (WGS84)	Nominal range		Station in operation	Integrity Monitoring	Transmitted message types	Freq. (kHz)	Bit Rate (bps)	Remarks
	Reference Stations	Transmitting Station		Km	at ($\mu\text{V}/\text{m}$)						

Remarks

- No DGPS service at the moment



28 IRELAND

Table of DGNSS Stations			Country: IRELAND			Date of issue: July 2002 Date of last update: November 2014					
Station name	Identification Numbers		Geographical Position Latitude Longitude (WGS84)	Nominal range		Station in operation	Integrity Monitoring	Transmitted message types	Freq. (kHz)	Bit Rate (bps)	Remarks
	Reference Stations	Transmitting Station		Km	at (μ V/m)						
Loop Head	665	432	52° 33' N 009° 55' W	277	50	Yes	Yes	3 7 9 16 27	293	100	
Mizen Head	660	430	51° 27' N 009° 48' W	277	50	Yes	Yes	3 7 9 16 27	284	100	
Tory Island	670	435	55° 16' N 008° 14' W	370	50	Yes	Yes	3 7 9 16 27	288.5	100	



29 ITALY

Table of DGNSS Stations			Country: ITALY			Date of issue: January 2002 Date of last update: August 2015					
Station name	Identification Numbers		Geographical Position Latitude Longitude (WGS84)	Nominal range		Station in operation	Integrity Monitoring	Transmitted message types	Freq. (kHz)	Bit Rate (bps)	Remarks
	Reference Stations	Transmitting Station		Km	at (µV/m)						
Capo Ferro			41° 09'N 009° 31'E	277	75	Off	No	3 5 9 16	298	100	
Messina (Piale)			38° 13.5'N 015° 38.7'E	277	75	Off	No	3 5 9 16	295	100	
Monfalcone			45° 47.3'N 013° 32.2' E	277	75	Off	No	3 5 9 16	308	100	
Piombino			42° 55'N 010° 37' E	277	75	Off	No	3 5 9 16	304	100	
Vieste			41°53'N 016°11'E	277	75	Off	No	3 5 9 16	292.5	100	
Sellia Marina			38°52'N 016° 43'E	277	75	Off	No	3 5 9 16	290	100	



30 JAPAN

Table of DGNSS Stations			Country: JAPAN			Date of issue: January 2002 Date of last update: September 2018					
Station name	Identification Numbers		Geographical Position Latitude Longitude (WGS84)	Nominal range		Station in operation	Integrity Monitoring	Transmitted message types	Freq. (kHz)	Bit Rate (bps)	Remarks
	Reference Stations	Transmitting Station		Km	at (μ V/m)						
Abashiri	662 663	631	43° 59' 53" N 144° 17' 26" E	200	100	Yes	Yes	3 7 9	309	200	
Daio Saki	692 693	646	34° 16' 42" N 136° 54' 03" E	200	100	Yes	Yes	3 7 9	288	200	
E Saki	696 697	648	34° 35' 49" N 134° 59' 32" E	200	100	Yes	Yes	3 7 9	320.5	200	
Yaese	710 711	655	26° 07' 55" N 127° 42' 58" E	200	100	Yes	Yes	3 7 9	288	200	
HachijoShima	688 689	644	33° 04' 46" N 139° 51' 14" E	200	100	Yes	Yes	3 7 9	302	200	
Hamada	670 671	635	34° 52' 42" N 132° 02' 20" E	200	100	Yes	Yes	3 7 9	305	200	
HeguraShima	674 675	637	37° 51' 08" N 136° 55' 13" E	200	100	Yes	Yes	3 7 9	295	200	
Inubo Saki	682 683	641	35° 42' 27" N 140° 52' 05" E	200	100	Yes	Yes	3 7 9	295	200	
Tsurugi Saki	686 687	643	35° 08' 28" N 139° 40' 31" E	200	100	Yes	Yes	3 7 9	309	200	
Kinkasan	680 681	640	38° 16' 38" N 141° 34' 59" E	200	100	Yes	Yes	3 7 9	316	200	
Kushiro Saki	660 661	630	42° 58' 06" N 144° 22' 29" E	200	100	Yes	Yes	3 7 9	288	200	



Table of DGNS Stations			Country: JAPAN			Date of issue: January 2002 Date of last update: September 2018					
Station name	Identification Numbers		Geographical Position Latitude Longitude (WGS84)	Nominal range		Station in operation	Integrity Monitoring	Transmitted message types	Freq. (kHz)	Bit Rate (bps)	Remarks
	Reference Stations	Transmitting Station		Km	at (μV/m)						
Matsumae	668 669	634	41° 25' 20" N 140° 05' 12" E	200	100	Yes	Yes	3 7 9	309	200	
MiyakoShima	712 713	656	24° 43' 47" N 125° 26' 10" E	200	100	Yes	Yes	3 7 9	316	200	
MurotoZaki	694 695	647	33° 15' 06" N 134° 10' 36" E	200	100	Yes	Yes	3 7 9	295	200	
Nagoya	690 691	645	35° 02' 07" N 136° 50' 45" E	200	100	Yes	Yes	3 7 9	320	200	
Tokara Nakano Shima	708 709	654	29° 49' 20" N 129° 54' 56" E	200	100	Yes	Yes	3 7 9	320.5	200	
Ohama	698 699	649	34° 05' 24" N 132° 59' 29" E	200	100	Yes	Yes	3 7 9	321	200	
Ose Saki	704 705	652	32° 37' 01" N 128° 36' 21" E	200	100	Yes	Yes	3 7 9	302	200	
Sakata	676 677	638	38° 56' 46" N 139° 49' 22" E	200	100	Yes	Yes	3 7 9	288	200	
Seto	700 701	650	33° 26' 04" N 132° 13' 14" E	200	100	Yes	Yes	3 7 9	320	200	
Shakotan	666 667	633	43° 22' 14" N 140° 28' 04" E	200	100	Yes	Yes	3 7 9	316	200	
Shiriyaki Saki	678 679	639	41° 25' 43" N 141° 27' 46" E	200	100	Yes	Yes	3 7 9	302	200	
Soya Misaki	664 665	632	45° 31' 14" N 141° 56' 10" E	200	100	Yes	Yes	3 7 9	295	200	



Table of DGNSS Stations			Country: JAPAN			Date of issue: January 2002 Date of last update: September 2018					
Station name	Identification Numbers		Geographical Position Latitude Longitude (WGS84)	Nominal range		Station in operation	Integrity Monitoring	Transmitted message types	Freq. (kHz)	Bit Rate (bps)	Remarks
	Reference Stations	Transmitting Station		Km	at (μ V/m)						
Tango	672 673	636	35° 44' 19"N 135° 05' 10"E	200	100	Yes	Yes	3 7 9	316	200	
ToiMisaki	706 707	653	31° 22' 23"N 131° 20' 04"E	200	100	Yes	Yes	3 7 9	309	200	
Urayasu	684 685	642	35° 37' 01"N 139° 53' 51" E	200	100	Yes	Yes	3 7 9	321	200	
Wakamiya	702 703	651	33° 52' 09" N 129° 41' 11" E	200	100	Yes	Yes	3 7 9	295	200	



31 KOREA

Table of DGNSS Stations			Country: KOREA			Date of issue: November 2006 Date of last update: September 2018					
Station name	Identification Numbers		Geographical Position Latitude Longitude (WGS84)	Nominal range		Station in operation	Integrity Monitoring	Transmitted message types	Freq. (kHz)	Bit Rate (bps)	Remarks
	Reference Stations	Transmitting Station		Km	at ($\mu\text{V}/\text{m}$)						
Homigot	732 733	666	36° 04' 40.96" N 129° 33' 59.98" E	185	100	Yes	Yes	3 5 7 9 16	310	200	
Jumunjin	726 727	663	37° 53' 52.19" N 128° 50' 01.57" E	185	100	Yes	Yes	3 5 7 9 16	295	200	
Eocheongdo	728 729	664	36° 07' 30.74" N 125° 58' 06.53" E	185	100	Yes	Yes	3 5 7 9 16	295	200	
Geomundo	724 725	662	34° 00' 27.49" N 127° 19' 20.28" E	185	100	Yes	Yes	3 5 7 9 16	287	200	
Marado	730 731	665	33° 07' 00.95" N 126° 16' 08.92" E	185	100	Yes	Yes	3 5 7 9 16	290	200	
Palmido	722 723	661	37° 21' 30.00" N 126° 30' 40.55" E	185	100	Yes	Yes	3 5 7 9 16	313	200	
Ulleungdo	734 735	667	37° 31' 06.29" N 130° 47' 51.74" E	185	100	Yes	Yes	3 5 7 9 16	319	200	
Yeongdo	720 721	660	35° 03' 43.88" N 129° 04' 14.62" E	185	100	Yes	Yes	3 5 7 9 16	300	200	
Socheongdo	736 737	668	37° 45' 37.28" N 124° 43' 43.56" E	185	100	Yes	Yes	3 5 7 9 16	323	200	
Gageodo	738 739	669	34° 05' 41.62" N 125° 05' 56.10" E	185	100	Yes	Yes	3 5 7 9 16	298	200	
Jeojin	740 741	670	38° 33' 07.48" N 128° 23' 55.48" E	185	100	Yes	Yes	3 5 7 9 16	292	200	



Table of DGNSS Stations			Country: KOREA			Date of issue: November 2006 Date of last update: September 2018					
Station name	Identification Numbers		Geographical Position Latitude Longitude (WGS84)	Nominal range		Station in operation	Integrity Monitoring	Transmitted message types	Freq. (kHz)	Bit Rate (bps)	Remarks
	Reference Stations	Transmitting Station		Km	at (μ V/m)						
Chuncheon	757 758	676	37° 59' 40.18" N 127° 42' 53.88" E	80	100	Yes	Yes	3 5 7 9 16	286	200	
Chungju	753 754	674	36° 58' 55.69" N 127° 45' 16.63" E	80	100	Yes	Yes	3 5 7 9 16	318	200	
Muju	747 748	671	35° 54' 12.46" N 127° 34' 58.98" E	80	100	Yes	Yes	3 5 7 9 16	322	200	
Pyeongchang	751 752	673	37° 20' 58.67" N 128° 29' 15.58" E	80	100	Yes	Yes	3 5 7 9 16	303	200	
Yeongju	749 750	672	36° 51' 56.54" N 128° 32' 41.56" E	80	100	Yes	Yes	3 5 7 9 16	289	200	
Seongju	755 756	675	35° 56' 17.26" N 128° 10' 59.94" E	80	100	Yes	Yes	3 5 7 9 16	296	200	



32 LATVIA

Table of DGNSS Stations			Country: LATVIA			Date of issue: January 2002 Date of last update: November 2014					
Station name	Identification Numbers		Geographical Position Latitude Longitude (WGS84)	Nominal range		Station in operation	Integrity Monitoring	Transmitted message types	Freq. (kHz)	Bit Rate (bps)	Remarks
	Reference Stations	Transmitting Station		Km	at ($\mu\text{V}/\text{m}$)						
Ventspils			57° 24' N 21° 32' E	74	50	Not in operation			308.5		1

Remarks

4. Ventspils Reference station is out of order for several years now and the Port Authority has no plans to do anything about it.



33 LITHUANIA

Table of DGNSS Stations			Country: LITHUANIA			Date of issue: January 2002 Date of last update: November 2014					
Station name	Identification Numbers		Geographical Position Latitude Longitude (WGS84)	Nominal range		Station in operation	Integrity Monitoring	Transmitted message types	Freq. (kHz)	Bit Rate (bps)	Remarks
	Reference Stations	Transmitting Station		Km	at ($\mu\text{V}/\text{m}$)						
Klaipeda		535	55° 43' 66" N 021° 05' 74" E	100	50	Yes	Yes	3 6 9 16	304.5	200	



34 MALYSIA

Table of DGNSS Stations			Country: MALYSIA			Date of issue: January 2002 Date of last update: November 2014					
Station name	Identification Numbers		Geographical Position Latitude Longitude (WGS84)	Nominal range		Station in operation	Integrity Monitoring	Transmitted message types	Freq. (kHz)	Bit Rate (bps)	Remarks
	Reference Stations	Transmitting Station		Km	at (μV/m)						
Bagan Datuk	120 121	740	03° 59' N 100° 47' E	300	100	Yes	Yes	3 5 6 7 9 16	288	200	
Bandar Melaka	124 125	742	02° 11' N 102° 14' E	220	100	Yes	Yes	3 5 6 7 9 16	294	200	
Kuantan	122 123	741	03° 49' N 103° 20' E	340	100	Yes	Yes	3 5 6 7 9 16	291	200	
Kuala Besar	126 127	743	06° 13' N 102° 14' E	340	100	Yes	Yes	3 5 6 7 9 16	296	200	
Bintulu	821		03° 11' N 130° 2' E	450	40	On Trial	Yes	1 3 7 9 16	290	200	
Kuching	822		01° 43' N 110° 31' E	400	40	On Trial	Yes	1 3 7 9 16	305	200	



35 MEXICO

Table of DGNSS Stations			Country: MEXICO			Date of issue: November 2014 Date of last update: November 2014					
Station name	Identification Numbers		Geographical Position Latitude Longitude (WGS84)	Nominal range		Station in operation	Integrity Monitoring	Transmitted message types	Freq. (kHz)	Bit Rate (bps)	Remarks
	Reference Stations	Transmitting Station		Km	at (μ V/m)						

Remarks

1. No DGPS Service currently



36 NETHERLANDS

Table of DGNSS Stations			Country: NETHERLANDS			Date of issue: January 2002 Date of last update: November 2014					
Station name	Identification Numbers		Geographical Position Latitude Longitude (WGS84)	Nominal range		Station in operation	Integrity Monitoring	Transmitted message types	Freq. (kHz)	Bit Rate (bps)	Remarks
	Reference Stations	Transmitting Station		Km	at (μ V/m)						
GilzeRijen	652 653	426	51° 37'N 04° 55'E	185	50	Yes	Yes	3 6 7 9	302	200	
Hoek van Holland	650 651	425	51° 58' N 04° 06' E	220	50	Yes	Yes	2 3 5 7 9 16	312.5	200	
VlielandPhare	655 656	428	53° 18'N 05° 04' E	220	50	Yes	Yes	2 3 5 7 9	294	200	
Ijmuiden Phare			52° 27'N 04° 34' E	90	50	Planned			301		



37 NEW ZEALAND

Table of DGNSS Stations			Country: NEW ZEALAND				Date of issue: November 2014 Date of last update: November 2014				
Station name	Identification Numbers		Geographical Position Latitude Longitude (WGS84)	Nominal range		Station in operation	Integrity Monitoring	Transmitted message types	Freq. (kHz)	Bit Rate (bps)	Remarks
	Reference Stations	Transmitting Station		Km	at (μ V/m)						
Ventspils			57° 24' N 21° 32' E	74	50	Not in operation			308.5		1

Remarks

1. No DGPS Service currently



38 NORWAY

Table of DGNSS Stations			Country: NORWAY				Date of issue: January 2002 Date of last update: November 2014				
Station name	Identification Numbers		Geographical Position Latitude Longitude (WGS84)	Nominal range		Station in operation	Integrity Monitoring	Transmitted message types	Freq. (kHz)	Bit Rate (bps)	Remarks
	Reference Stations	Transmitting Station		Km	at (μ V/m)						
Andenes	794	515	69° 19.7' N 016° 08.0' E	300	50	Operational	Yes	1 2 7 16 27	311	200	
Færder	780	500	59° 01.6' N 010° 31.5' E	300	50	Operational	Yes	1 2 7 16 27	310.5	200	
Fruholmen	797	518	71° 05.6' N 023° 58.9' E	300	50	Operational	Yes	1 2 7 16 27	309.5	200	
Halten	790	510	64° 10.4' N 009° 24.4' E	300	50	Operational	Yes	1 2 7 16 27	301	200	
Lista	783	503	58° 06.6' N 006° 34.0' E	300	50	Operational	Yes	1 2 7 16 27	304	200	
Sklinna	791	511	65° 12.1' N 010° 59.7' E	300	50	Operational	Yes	1 2 7 16 27	305.5	200	
Skomvær	793	513	67° 24.7' N 011° 52.5' E	300	50	Operational	Yes	1 2 7 16 27	286.5	200	
Svinøy	788	508	62° 19.7' N 005° 16.1' E	300	50	Operational	Yes	1 2 7 16 27	302.5	200	
Torsvåg	796	516	70° 14.7' N 019° 30.4' E	300	50	Operational	Yes	1 2 7 16 27	284	200	
Utsira	785	505	59° 18.5' N 004° 52.3' E	300	50	Operational	Yes	1 2 7 16 27	313	200	
Utvær	787	507	61° 02.2' N 004° 30.6' E	300	50	Operational	Yes	1 2 7 16 27	314	200	



Table of DGNSS Stations			Country: NORWAY			Date of issue: January 2002 Date of last update: November 2014					
Station name	Identification Numbers		Geographical Position Latitude Longitude (WGS84)	Nominal range		Station in operation	Integrity Monitoring	Transmitted message types	Freq. (kHz)	Bit Rate (bps)	Remarks
	Reference Stations	Transmitting Station		Km	at ($\mu\text{V}/\text{m}$)						
Vardø	800	520	70° 23.3' N 031° 09.3' E	300	50	Operational	Yes	1 2 7 16 27	305.5	200	



39 OMAN

Table of DGNSS Stations			Country: OMAN			Date of issue: November 2014 Date of last update: November 2014					
Station name	Identification Numbers		Geographical Position Latitude Longitude (WGS84)	Nominal range		Station in operation	Integrity Monitoring	Transmitted message types	Freq. (kHz)	Bit Rate (bps)	Remarks
	Reference Stations	Transmitting Station		Km	at (μ V/m)						
Ras Al Hadd	490 491	150	22° 28'07" N 059° 47'00" E	500	100	Yes	Yes	3 5 6 7 9 16	300	200	
RasMadrasah	492 493	151	19° 02'52" N 057° 43'31" E	550	100	Yes	Yes	3 5 6 7 9 16	305	200	
Marbat	494 495	152	16° 57'60" N 054° 45'03" E	550	100	Yes	Yes	3 5 6 7 9 16	310	200	



40 PANAMA

Table of DGNSS Stations			Country: PANAMA			Date of issue: January 2004 Date of last update: November 2014					
Station name	Identification Numbers		Geographical Position Latitude Longitude (WGS84)	Nominal range		Station in operation	Integrity Monitoring	Transmitted message types	Freq. (kHz)	Bit Rate (bps)	Remarks
	Reference Stations	Transmitting Station		Km	at ($\mu\text{V}/\text{m}$)						
Gatun	903 904	971	09° 15.5' N 079° 56.2' W	50	70	Yes	Yes	3, 9, 16	307	200	
Miraflores	901 902	972	08° 59.6' N 079° 35.1' W	50	70	Yes	Yes	3, 9, 16	302	200	



41 POLAND

Table of DGNSS Stations			Country: POLAND			Date of issue: January 2004 Date of last update: November 2014					
Station name	Identification Numbers		Geographical Position Latitude Longitude (WGS84)	Nominal range		Station in operation	Integrity Monitoring	Transmitted message types	Freq. (kHz)	Bit Rate (bps)	Remarks
	Reference Stations	Transmitting Station		Km	at ($\mu\text{V}/\text{m}$)						
Dziwnów	741 742	481	54° 01' N 014° 44' E	220	50	Yes	Yes	3,7,9,16	283.5	100	1
Rozewie	743 744	482	54° 49' N 018° 20' E	250	50	Yes	Yes	3,7,9,16	301.0	100	1

Remarks

1. National DGPS-PL is supported by 3 far field monitoring stations



42 PORTUGAL

Table of DGNSS Stations			Country: PORTUGAL			Date of issue: January 2004 Date of last update: November 2014					
Station name	Identification Numbers		Geographical Position Latitude Longitude (WGS84)	Nominal range		Station in operation	Integrity Monitoring	Transmitted message types	Freq. (kHz)	Bit Rate (bps)	Remarks
	Reference Stations	Transmitting Station		Km	at ($\mu\text{V}/\text{m}$)						
Cabo Carvoeiro	480 481	340	39° 21' N 09° 24' W	370	118	Yes	Yes	1,9	311.5	200	
Horta	484 485	342	38° 32' N 28° 37' W	545	123	Yes	Yes	1,9	308	200	
Porto Santo	486 487	343	33° 05' N 16° 20' W	370	115	Yes	Yes	1,9	287.5	200	
Sagres	482 483	341	37° 00' N 08° 00' W	370	118	Yes	Yes	1,9	305.5	200	



43 ROMANIA

Table of DGNSS Stations			Country: ROMANIA			Date of issue: January 2004 Date of last update: November 2014					
Station name	Identification Numbers		Geographical Position Latitude Longitude (WGS84)	Nominal range		Station in operation	Integrity Monitoring	Transmitted message types	Freq. (kHz)	Bit Rate (bps)	Remarks
	Reference Stations	Transmitting Station		Km	at ($\mu\text{V}/\text{m}$)						
Agigea	554 555	382	44° 06' 18" N 23° 37' 50" E	200	50	Yes	Yes	3 6 9 16	296.5	200	
Bechet	550 551	380	43° 45' 08" N 23° 57' 19" E	150	50	Test / Preliminary	Yes		291	200	



44 RUSSIA

Table of DGNSS Stations			Country: RUSSIA			Date of issue: January 2004 Date of last update: November 2015					
Station name	Identification Numbers		Geographical Position Latitude Longitude (WGS84)	Nominal range		Station in operation	Integrity Monitoring	Transmitted message types	Freq. (kHz)	Bit Rate (bps)	Remarks
	Reference Stations	Transmitting Station		Km	at (μV/m)						
Africa	052	052	56° 11.0' N 163° 21.0' E	200	20	Test			285.0	100	
Alevina	055	055	58° 50.0' N 151° 21.0' E	200	20	Test			300.0	100	
Astrahansky	028 029	028 029	45° 50.5' N 047° 38.6' E	200	20	Test			283.5	100	
Baltiisk	001	001	54° 38.3' N 019° 53.9' E	200	20	Test			286.5	100	
Basargina	053	053	43° 03.0' N 131° 57.0' E	200	20	Test			285.5	100	
Caranginsky	057	057	58° 33.0' N 163° 33.0' E	200	20	Test			301.5	100	
Corsakovsky	062	062	46° 37.0' N 142° 48.0' E	200	20	Test			313.5	100	
Crutogorova	060	060	55° 05.0' N 155° 35.0' E	200	20	Test			312.5	100	
Doobsky	022	022	44° 36.0' N 37° 58.0' E	200	20	Test			292.0	100	
Kaninsky	004	004	68° 39.0' N 43° 17.0' E	300	20	Test			284.5	100	
Kodoshskiy	037	037	44° 06.0' N 39° 02.0' E	200	20	Test			308.5	100	



Table of DGNS Stations			Country: RUSSIA			Date of issue: January 2004 Date of last update: November 2015					
Station name	Identification Numbers		Geographical Position Latitude Longitude (WGS84)	Nominal range		Station in operation	Integrity Monitoring	Transmitted message types	Freq. (kHz)	Bit Rate (bps)	Remarks
	Reference Stations	Transmitting Station		Km	at (μ V/m)						
Krasnoie	056	056	53° 06.8' N 140° 52.3' E	200	20	Test			301.0	100	
KrasnyPartizan	051	051	48° 59.0' N 140° 23.0' E	200	20	Test			284.0	100	
Lopatka	054	054	50° 52.0' N 156° 40.0' E	200	20	Test			299.5	100	
Mud'iugsky	003	003	64° 55.0' N 040° 14.0' E	300	20	Test			283.5	100	
Oleniy Island	024	024	72° 36.0' N 77° 39.0' E	250	20	Test			294.5	100	
Povorotny	058	058	42° 40.0' N 133° 02.0' E	200	20	Test			306.5	100	
Petropavlovsky	050	050	52° 53' N 158° 42' E	200	20	Test			283.5	100	
Russian Cat	061	061	64° 34.0' N 178° 33.0' E	200	20	Test			313.0	100	
Shepelevskiy	002	002	59° 59.0' N 029° 08.0' E	200	20	Test			298.5	100	
Shepelevskiy	005	005	59° 59.0' N 029° 08.0' E	200	20	Test			311.0	100	
Sterlegov Cape	003	003	75° 23.0' N 088° 45.0' E	280	20	Test			318.5	100	
Sulakskiy	008	008	43° 16.0' N 047° 32.0' E	200	20	Test			288.5	100	

Table of DGNSS Stations			Country: RUSSIA			Date of issue: January 2004 Date of last update: November 2015					
Station name	Identification Numbers		Geographical Position Latitude Longitude (WGS84)	Nominal range		Station in operation	Integrity Monitoring	Transmitted message types	Freq. (kHz)	Bit Rate (bps)	Remarks
	Reference Stations	Transmitting Station		Km	at (μ V/m)						
Temiryukskiy	036	036	45° 20.0' N 037° 14.0' E	200	20	Test			285.0	100	
Tsyp. Navolock	009	009	69° 44.0' N 033° 06.1' E	300	20	Test			315.0	100	
Stolbovoy	027	027	74° 10.0' N 135° 27.0' E	300	20	Test			306.5	100	
Andreya	008	008	76° 47.0' N 110° 46.0' E	300	20	Test			291.5	100	
Van-der-Linda	063	063	50° 52.0' N 156° 40.0' E	200	20	Test			315.0	100	
Indigirka	029	029	64° 55.0' N 040° 14.0' E	280	20	Test			324.5	100	
Kamenka	009	009	64° 55.0' N 040° 14.0' E	300	20	Test			318.5	100	



45 SAUDI ARABIA

Table of DGNSS Stations			Country: SAUDI ARABIA			Date of issue: July 2002 Date of last update: November 2014					
Station name	Identification Numbers		Geographical Position Latitude Longitude (WGS84)	Nominal range		Station in operation	Integrity Monitoring	Transmitted message types	Freq. (kHz)	Bit Rate (bps)	Remarks
	Reference Stations	Transmitting Station		Km	at (μ V/m)						
Jeddah	961		21° 28' N 39° 08' E	460	75	Yes	Yes	3 5 6 7 9 16	320	200	
Gizan	962		16° 53' N 42° 32' E	460	75	Yes	Yes	3 5 6 7 9 16	324	200	



46 SERBIA

Table of DGNSS Stations			Country: SERBIA			Date of issue: November 2014 Date of last update: November 2014					
Station name	Identification Numbers		Geographical Position Latitude Longitude (WGS84)	Nominal range		Station in operation	Integrity Monitoring	Transmitted message types	Freq. (kHz)	Bit Rate (bps)	Remarks
	Reference Stations	Transmitting Station		Km	at ($\mu\text{V}/\text{m}$)						
Makiš	685		44° 45' 19.44" N 020° 20' 34.44" E	200	100	Yes	Yes	1 3 7 9 16 27	287	100	



47 SINGAPORE

Table of DGNSS Stations			Country: SINGAPORE			Date of issue: January 2002 Date of last update: November 2014					
Station name	Identification Numbers		Geographical Position Latitude Longitude (WGS84)	Nominal range		Station in operation	Integrity Monitoring	Transmitted message types	Freq. (kHz)	Bit Rate (bps)	Remarks
	Reference Stations	Transmitting Station		Km	at ($\mu\text{V}/\text{m}$)						
PedraBranca (Horsburgh)	130 131	745	01° 19' N 104° 24' E	200	75	Yes	Yes	3 5 7 9 16	308	200	
PulauSatumu (Raffles)	132 133	746	01° 09' N 103° 44' E	200	75	Yes	Yes	3 5 7 9 16	298	200	



48 SOUTH AFRICA

Table of DGNSS Stations			Country: SOUTH AFRICA			Date of issue: January 2002 Date of last update: November 2014					
Station name	Identification Numbers		Geographical Position Latitude Longitude (WGS84)	Nominal range		Station in operation	Integrity Monitoring	Transmitted message types	Freq. (kHz)	Bit Rate (bps)	Remarks
	Reference Stations	Transmitting Station		Km	at (μ V/m)						

Remarks:

1. Currently, No DGPS service



49 SPAIN

Table of DGNSS Stations			Country: SPAIN			Date of issue: January 2002 Date of last update: November 2014					
Station name	Identification Numbers		Geographical Position Latitude Longitude (WGS84)	Nominal range		Station in operation	Integrity Monitoring	Transmitted message types	Freq. (kHz)	Bit Rate (bps)	Remarks
	Reference Stations	Transmitting Station		Km	at (μV/m)						
Cabo Machichaco	500	350	43° 27' N 002° 45' W	180	50	Yes	Yes	3 6 7 9 16	285.0	100	
Cabo Mayor	502	351	43° 29' N 003° 47' W	180	50	Yes	Yes	3 6 7 9 16	289.0	100	
Cabo Peñas	504	352	43° 39' N 005° 51' W	180	50	Yes	Yes	3 6 7 9 16	295.0	100	
Estaca de Bares	506	353	43° 47' N 007° 41' W	180	50	Yes	Yes	3 6 7 9 16	293.0	100	
Cabo Finisterre	508	354	42° 53' N 009° 16' W	180	75	Yes	Yes	3 6 7 9 16	296.0	100	
Rota	510	355	36° 38' N 006° 23' W	180	75	Yes	Yes	3 6 7 9 16	303.5	100	
Tarifa	512	356	36° 00' N 005° 36' W	180	75	Yes	Yes	3 6 7 9 16	302.5	100	
Malaga	514	357	36° 43' N 004° 25' W	180	75	Yes	Yes	3 6 7 9 16	299.5	100	
Sabinal	516	358	36° 41' N 002° 42' W	180	75	Yes	Yes	3 6 7 9 16	298.5	100	
Cabo de Palos	518	359	37° 38' N 000° 41' W	180	75	Yes	Yes	3 6 7 9 16	302.0	100	
Cabo de la Nao	520	360	38° 44' N 000° 14' E	180	75	Yes	Yes	3 6 7 9 16	297.5	100	



Remarks:

1. Each regional network has a remote reception for monitoring the correction signals on air



50 SRI LANKA

Table of DGNSS Stations			Country: SRI LANKA			Date of issue: January 2002 Date of last update: November 2014					
Station name	Identification Numbers		Geographical Position Latitude Longitude (WGS84)	Nominal range		Station in operation	Integrity Monitoring	Transmitted message types	Freq. (kHz)	Bit Rate (bps)	Remarks
	Reference Stations	Transmitting Station		Km	at (μ V/m)						

Remarks:

1. No DGPS service currently



51 SWEDEN

Table of DGNSS Stations			Country: SWEDEN			Date of issue: January 2002 Date of last update: September 2018					
Station name	Identification Numbers		Geographical Position Latitude Longitude (WGS84)	Nominal range		Station in operation	Integrity Monitoring	Transmitted message types	Freq. (kHz)	Bit Rate (bps)	Remarks
	Reference Stations	Transmitting Station		Km	at (μV/m)						
Hjortensudde	733	467	58° 38' N 012° 40' E	125	50	Yes	Yes	3 6 9 16	302.0	100	
Hoburg	730	465	56° 55' N 018° 09' E	240	50	Yes	Yes	3 6 9 16	297.5	100	
Holmsjö	720	460	56° 27' N 015° 39' E	240	50	Yes	Yes	3 6 9 16	292	100	
Järnäs	724	462	63° 29' N 019° 39' E	240	50	Yes	Yes	3 6 9 16	289.0	100	
Kapellskar	728	464	59° 43' N 019° 04' E	240	50	Yes	Yes	3 6 9 16	307.5	100	
Kullen	732	466	56° 18' N 012° 27' E	200	50	Yes	Yes	3 6 9 16	293.0	100	
Göteborg	736	469	57° 37' N 011° 59' E	240	50	Yes	Yes	3 6 9 16	296.5	100	
Nynashamn	734	468	58° 56' N 017° 57' E	240	50	Yes	Yes	3 6 9 16	298.0	100	
Skutskär	726	463	60° 37' N 017° 26' E	240	50	Yes	Yes	3 6 9 16	299.5	100	
Otterbacken	738	470	58° 52' N 014° 06' E	240	50	Yes	Yes	3 6 9 16	288.5	100	



52 TAIWAN

Table of DGNSS Stations			Country: TAIWAN			Date of issue: November 2014 Date of last update: November 2014					
Station name	Identification Numbers		Geographical Position Latitude Longitude (WGS84)	Nominal range		Station in operation	Integrity Monitoring	Transmitted message types	Freq. (kHz)	Bit Rate (bps)	Remarks
	Reference Stations	Transmitting Station		Km	at (μ V/m)						
Hou-Long			24° 38' N 120° 46' E	375	75	Test / Preliminary	Yes	3 5 6 7 9 16	286	200	1
Fong-Yuan			23° 58' N 120° 19' E	200	75	Planned		3 5 7 9 16	306	200	

Remarks

1. Survey use



53 THAILAND

Table of DGNSS Stations			Country: THAILAND			Date of issue: November 2014 Date of last update: November 2014					
Station name	Identification Numbers		Geographical Position Latitude Longitude (WGS84)	Nominal range		Station in operation	Integrity Monitoring	Transmitted message types	Freq. (kHz)	Bit Rate (bps)	Remarks
	Reference Stations	Transmitting Station		Km	at (μ V/m)						
Lang Suan, Chomphon		306	09° 56.62038' N 099° 09.57907' E	200	75	Yes	Yes	3, 5, 6, 9, 16	306	200	



54 TUNISIA

Table of DGNSS Stations			Country: TUNESIA			Date of issue: January 2002 Date of last update: November 2014					
Station name	Identification Numbers		Geographical Position Latitude Longitude (WGS84)	Nominal range		Station in operation	Integrity Monitoring	Transmitted message types	Freq. (kHz)	Bit Rate (bps)	Remarks
	Reference Stations	Transmitting Station		Km	at (μ V/m)						

Remarks

1. No DGNSS service in Tunisia at the moment



55 TURKEY

Table of DGNSS Stations			Country: TURKEY			Date of issue: January 2002 Date of last update: September 2018					
Station name	Identification Numbers		Geographical Position Latitude Longitude (WGS84)	Nominal range		Station in operation	Integrity Monitoring	Transmitted message types	Freq. (kHz)	Bit Rate (bps)	Remarks
	Reference Stations	Transmitting Station		Km	at (μ V/m)						
Rumelifeneri	545 546	373	41° 14.19' N 29° 06.46' E	160	75	No	Yes	3 7 9 16	301	200	
Kumkale	547 548	374	36° 59.37' N 26° 10.83' E	160	75	No	Yes	3 7 9 16	307.5	200	

56 UKRAINE

Table of DGNSS Stations			Country: UKRAINE			Date of issue: July 2005 Date of last update: September 2018					
Station name	Identification Numbers		Geographical Position Latitude Longitude (WGS84)	Nominal range		Station in operation	Integrity Monitoring	Transmitted message types	Freq. (kHz)	Bit Rate (bps)	Remarks
	Reference Stations	Transmitting Station		Km	at ($\mu\text{V}/\text{m}$)						
Odeskyi Lighthouse	086	086	46° 23' N 30° 45' E	200	50	Yes	Yes	1 3 5 6 7 9 16 31 32 33 34 35 36 37	297.0	200	
Zmiinyi Lighthouse	085	085	45° 15' N 30° 12' E	200	50	Yes	Yes	1 3 5 6 7 9 16 31 32 33 34 35 36 37	294.5	200	
Yenikalskyi Lighthouse	095	095	45° 23' N 36° 39' E	-	-	-	Yes	1 3 5 6 7 9 16 31 32 33 34 35 36 37	288	200	1.

Remarks

1. The station is located in the Crimean Peninsula, which has been temporarily occupied by the Russian Federation, and currently is out of the Ukraine's control



57 UNITED KINGDOM

Table of DGNSS Stations			Country: UK			Date of issue: July 2002 Date of last update: November 2018					
Station name	Identification Numbers		Geographical Position Latitude Longitude (WGS84)	Nominal range		Station in operation	Integrity Monitoring	Transmitted message types	Freq. (kHz)	Bit Rate (bps)	Remarks
	Reference Stations	Transmitting Station		Km	at (μV/m)						
Butt of Lewis	684	444	58° 31' N 006° 16' W	370	50	Yes	Yes	3 7 9 16 27	295.5	100	
Stirling	693	443	56° 04' N 004° 03' W	370	50	Yes	Yes	3 7 9 16 27	285.5	100	
Flamborough	687	447	54° 07' N 000° 05' W	277	50	Yes	Yes	3 7 9 16 27	290.5	100	
Girdle Ness	686	446	57° 08' N 002° 03' W	277	50	Yes	Yes	3 7 9 16 27	297	100	
Lizard	681	441	49° 58' N 005° 12' W	277	50	Yes	Yes	3 7 9 16 27	306	100	
Nash Point	689	449	51° 24' N 003° 33' W	185	50	Yes	Yes	3 7 9 16 27	309.5	100	
North Foreland	688	448	51° 23' N 001° 27' E	185	50	Yes	Yes	3 7 9 16 27	299.5	100	
Point Lynas	682	442	53° 25' N 004° 17' W	277	50	Yes	Yes	3 7 9 16 27	297.5	100	
St. Catherine's	680	440	50° 35' N 001° 18' W	185	50	Yes	Yes	3 7 9 16 27	307.5	100	
Sumburgh Head	685	445	59° 51' N 001° 16' W	370	50	Yes	Yes	3 7 9 16 27	291.5	100	
Wormleighton	691	439	52° 12' N 001° 22' W	277	50	Yes	Yes	3 7 9 16 27	291	100	



58 USA

Table of DGNSS Stations			Country: USA			Date of issue: October 2005 Date of last update: September 2018					
Station name	Identification Numbers		Geographical Position Latitude Longitude (NAD83)	Nominal range		Station in operation	Integrity Monitoring	Transmitted message types	Freq. (kHz)	Bit Rate (bps)	Remarks
	Reference Stations	Transmitting Station		Km	at (μV/m)						
Acushnet, MA	198 199	772	41° 44.613282' N 070° 53.217112' W	370	100	Yes	Yes	3 6 7 9 16	306	200	2020
Angleton, TX	246 247	828	29° 18.088229' N 095° 29.103959' W	275	75	Yes	Yes	3 6 7 9 16	301	100	2020
Annette Island, AK	278 279	889	55° 04.144147' N 131° 35.970893' W	315	75	Yes	Yes	3 6 7 9 16	323	100	2020
Appleton, WA	172 173	871	45° 46.957719' N 121° 19.652758' W	402	75	Yes	Yes	3 6 7 9 16	300	100	2019
Biorka, AK	280 281	890	56° 51.269416' N 135° 32.356458' W	315	75	Yes	Yes	3 6 7 9 16	305	100	2020
Cape Canaveral, FL	018 019	809	28° 27.613331' N 080° 32.713648' W	371	75	Yes	Yes	3 6 7 9 16	289	100	2019
Cape Mendocino, CA	270 271	885	40° 26.506261' N 124° 23.779130' W	333	75	Yes	Yes	3 6 7 9 16	292	100	2019
Card Sound, FL	016 017	808	25° 25.897326' N 080° 28.017391' W	261	100	Yes	Yes	3 6 7 9 16	314	200	2019
Cheboygan, MI	112 113	836	45° 39.209100' N 084° 27.938327' W	177	100	Yes	Yes	3 6 7 9 16	292	200	2019
Detroit, MI	116 117	838	42° 17.840411' N 083° 05.717475' W	161	100	Yes	Yes	3 6 7 9 16	319	200	2019
Driver, VA	012 013	806	36° 57.518936' N 076° 33.398372' W	241	75	Yes	Yes	3 6 7 9 16	289	100	2019



Table of DGNSS Stations			Country: USA			Date of issue: October 2005 Date of last update: September 2018					
Station name	Identification Numbers		Geographical Position Latitude Longitude (NAD83)	Nominal range		Station in operation	Integrity Monitoring	Transmitted message types	Freq. (kHz)	Bit Rate (bps)	Remarks
	Reference Stations	Transmitting Station		Km	at ($\mu\text{V}/\text{m}$)						
English Turn, LA	028 029	814	29° 52.737434' N 089° 56.503285' W	315	100	Yes	Yes	3 6 7 9 16	293	200	2020
Fort Stevens, OR	272 273	886	46° 12.293029' N 123° 57.364639' W	333	75	Yes	Yes	3 6 7 9 16	287	100	2020
Gustavus, AK	284 285	892	58° 25.049028' N 135° 41.839199' W	315	75	Yes	Yes	3 6 7 9 16	288	100	2020
Hudson Falls	094 095	844	43° 16.249032' N 073° 32.347046' W	250	100	Yes	Yes	3 6 7 9 16	324	200	2020
Kenai, AK	292 293	896	60° 40.504714' N 151° 21.009469' W	260	75	Yes	Yes	3 6 7 9 16	310	100	2020
Kensington, SC	192 193	778	33° 28.921436' N 079° 20.578943' W	200	75	Yes	Yes	3 6 7 9 16	292	100	2019
Kodiak, AK	294 295	897	57° 37.061583' N 152° 11.604449' W	333	75	Yes	Yes	3 6 7 9 16	313	100	2020
Kokole Pt., HI	260 261	880	21° 59.009106' N 159° 45.488644' W	210	100	Yes	Yes	3 6 7 9 16	300	200	2019
Level Island, AK	282 283	891	56° 27.940652' N 133° 05.565597' W	315	75	Yes	Yes	3 6 7 9 16	295	100	2020
Lincoln, CA	210 211	764	38° 50.790445' N 121° 21.013231' W	225	100	Yes	Yes	3 6 7 9 16	314	200	2019
Mequon, WI	218 219	777	43° 11.632700' N 088° 03.571635' W	230	100	Yes	Yes	3 6 7 9 16	304	200	2019
Moriches, NY	006 007	803	40° 47.370983' N 072° 44.777310' W	241	75	Yes	Yes	3 6 7 9 16	293	100	2020



Table of DGNSS Stations			Country: USA			Date of issue: October 2005 Date of last update: September 2018					
Station name	Identification Numbers		Geographical Position Latitude Longitude (NAD83)	Nominal range		Station in operation	Integrity Monitoring	Transmitted message types	Freq. (kHz)	Bit Rate (bps)	Remarks
	Reference Stations	Transmitting Station		Km	at (μV/m)						
Penobscot, ME	044 045	799	44° 27.102957' N 068° 46.336034' W	435	100	Yes	Yes	3 6 7 9 16	290	200	2020
Point Loma, CA	262 263	881	32° 39.925066' N 117° 14.580992' W	333	75	Yes	Yes	3 6 7 9 16	302	100	2019
Potato Point, AK	290 291	895	61° 03.375650' N 146° 41.808717' W	185	75	Yes	Yes	3 6 7 9 16	298	100	2020
Sandy Hook, NJ	008 009	804	40° 28.289027' N 74° 00.695661' W	185	100	Yes	Yes	3 6 7 9 16	286	200	2020
Tampa (Macdill), FL	244 245	827	27° 50.988979' N 082° 31.938923' W	389	100	Yes	Yes	3 6 7 9 16	312	200	2019
Upolu, HI	258 259	879	20° 14.752783' N 155° 53.027567' W	315	75	Yes	Yes	3 6 7 9 16	286	100	2019
Upper Keweenaw, MI	102 103	831	47° 13.623429' N 088° 37.458985' W	209	75	Yes	Yes	3 6 7 9 16	298	100	2019
Whidbey Island, WA	276 277	888	48° 18.762698' N 122° 41.767562' W	166	75	Yes	Yes	3 6 7 9 16	302	100	2019
Wisconsin Point, WI	100 101	830	46° 42.302867' N 092° 00.912216' W	270	75	Yes	Yes	3 6 7 9 16	296	100	2019
Youngstown, NY	118 119	839	43° 13.874804' N 078° 58.209905' W	241	75	Yes	Yes	3 6 7 9 16	322	100	2019



59 PUERTO RICO

Table of DGNSS Stations			Country: PUERTO RICO			Date of issue: October 2005 Date of last update: February 2006					
Station name	Identification Numbers		Geographical Position Latitude Longitude (NAD83)	Nominal range		Station in operation	Integrity Monitoring	Transmitted message types	Freq. (kHz)	Bit Rate (bps)	Remarks
	Reference Stations	Transmitting Station		Km	at (μ V/m)						
Isabela, PR	034 035	817	18° 27.778391' N 067° 04.017435' W	125	75	Yes	Yes	3 6 7 9 16	295	100	



60 VIETNAM

Table of DGNSS Stations			Country: VIETNAM				Date of issue: December 2009 Date of last update: August 2015				
Station name	Identification Numbers		Geographical Position Latitude Longitude (WGS84)	Nominal range		Station in operation	Integrity Monitoring	Transmitted message types	Freq. (kHz)	Bit Rate (bps)	Remarks
	Reference Stations	Transmitting Station		Km	at (μV/m)						
TruongSa	168 167	741	8° 38.77' N 111° 55.16' E	500	100	Yes	Yes	3,5,7,9,16	285	200	Ministry of Defense
MongCai	186 187*	743	21° 31.58' N 107° 58.09' E	500	100	Yes	Yes	3,5,7,9,16	286	200	Ministry of Defense
PhuQuoc	197* 198	746	10° 02.31' N 104° 01.01' E	500	100	Yes	Yes	3,5,7,9,16	288	200	Ministry of Defense
DaNang	199 200*	748	16° 02.40' N 108° 12.41' E	500	100	Yes	Yes	3,5,7,9,16	296	200	Ministry of Defense
NgheAn	175	749	18° 45.55' N 105° 39.67' E	500	100	Yes	Yes	3,5,7,9,16	287	200	Ministry of Defense
CamRanh	173	747	11° 57.68' N 109° 10.94' E	500	100	Yes	Yes	3,5,7,9,16	298	200	Ministry of Defense
DoSon	NA	NA	20° 41' 40" N 106° 47' 41" E	500	100	Yes	Yes	3,5,7,9,16	295	200	Ministry of Natural resources and Environment
VungTau	NA	NA	10° 23'46" N 107° 08' 44" E	500	100	Yes	Yes	3,5,7,9,16	295	200	Ministry of Natural resources and Environment
QuangNam	NA	NA	15° 47' 42" N 108° 24' 48" E	500	100	Yes	Yes	3,5,7,9,16	295	200	Ministry of Natural resources and Environment



Remarks

1. * = Not yet in use
2. Integrity monitoring involves pre and post broadcast integrity
3. TruongSa, MongCai, PhuQuoc, DaNang, NgheAn and CamRanh are operated by Defense Mapping Agency.
4. Doson and VungTau are operated by SEAMAP.
5. QuangNam is operated by Department of Survey and Mapping VietNam(DOSM).