GLOSSARY OF

ABBREVIATIONS AND ACRONYMS

A B

A	amplitude; augmentation; away (altitude intercept); Arctic/Antarctic (air mass).	В	atmospheric pressure correction (altitude); bearing, bearing angle.
		BC	Bathymetric Contour Chart.
a	semimajor axis.	Bdy Mon	boundary monument.
a	altitude intercept (Ho~Hc); altitude fac-	BFO	beat frequency oscillator.
	tor (change of altitude in 1 minute of time	BIH	Bureau Internationale de l'Heure.
ABAND	from meridian transit); assumed. abandoned.	BIPM	International Bureau of Weights and
			Measures.
AC	alternating current; altocumulus.	bk	broken.
ACC	Antarctic Circumpolar Current.	bkw	breakwater.
add'l	additional.	bl	blue.
ADF	automatic direction finder.	BM	bench mark.
ADIZ	air defense identification zone.	Bn	beacon.
ADLL	Admiralty Digital List of Lights.	BNPC	Bathymetric Navigation Planning Chart.
AEB	acquisition exclusion boundary.	Bpgc	bearing per gyrocompass.
AERO	aeronautical.	br	breakers.
AF	audio frequency.	Brg.	bearing (as distinguished from bearing
AFC	automatic frequency control.	bu	angle). blue.
AGC	automatic gain control.	ou	olue.
AIS-SART	AIS Search And Rescue Transmitter.		\mathbf{C}
AIS	Automatic Identification System.		C
AISM	Association Internationale de Signalisa-		
1110111	tion Maritime (International Association	C	Celsius (centigrade); chronometer time;
	of Lighthouse Authorities).		compass (direction); correction; course,
aL	assumed latitude.	CALA	course angle; can; cylindrical; cove.
Al., Alt,	alternating (light).	CALM	catenary anchor leg mooring.
A.L.R.S.	Admiralty List of Radio Signals.	CB CBDR	compass bearing.
am	amber.	CCC	constant bearing, decreasing range. compass course; chronometer correction.
AM	amplitude modulation.	CCIR	International Radio Consultative Com-
AM	ante meridian (before noon).	CCIK	mittee.
AMHS	Automated Message Handling System.	CCU	Consultative Committee for Units of the
AMSL	Above Mean Sea Level.		International Committee of Weights and
			Measures (CIPM).
Anch	anchorage.	CCZ	Coastal Confluence Zone.
antilog	antilogarithm.	cd	candela, candelas.
AP	assumed position.	CD	chart datum.
approx.	approximate, approximately.	CD-ROM	compact disk-read only memory.
ARCS.	Admiralty Raster Chart System.	CG	Coast Guard.
ARPA	automatic radar plotting aid.	CE	chronometer error- compass error.
ASAM	anti-ship activity message.	CFR	Code of Federal Regulations.
ASF	Additional Secondary Phase Factor.	cec	centicycle.
ASM	Application Specific Message.	cel CED	centilane. circular probable error.
ASP	Application Service Provider.	CEP CES	coast earth station.
AT	atomic time.	CFR	Code of Federal Regulations.
ATON (AtoN)	Aid(s) To Navigation.	CGPM	General Conference of Weights and
AUSREP	Australian Ships Reporting System.	0011/1	Measures.
al	assumed longitude.	СН	Channel.

CH CIPM	compass heading. International Committee of Weights and	DGNSS	Differential Global Navigation Satellite Service.
	Measures.	DGPS	differential global positioning system.
Cl	clearance.	DHQ	mean diurnal high water inequality.
cm	centimeter(s).	DHS	Department of Homeland Security.
CMG	course made good.	Dia	diaphone.
		diff.	difference.
Cn	course (as distinguished from course angle).		
CNO	Chief of Naval Operations, US Navy.	Dist.	distance.
co	coral.	DLA.	Defense Logistics Agency.
CO-	the complement of (90° minus).	D. Lat.	difference of latitude.
COA	course of advance.	DLo	difference of longitude (arc units).
COE	Committee on ECDIS (IHO).	DLQ	mean diurnal low water inequality.
COG	course over ground.	dm	decimeters.
coL	colatitude.	DNC	digital navigation chart.
colog	cologarithm.	dol	dolphin.
corr.	correction.	DOT	Department of Transportation.
cos	cosine.	DR	dead reckoning; dead reckoning position.
cot	cotangent.	DRE	dead reckoning equipment.
COTP	Captain of the Port.	DRM	direction of relative movement.
cov	coversine.	DRT	dead reckoning tracer.
CPA	closest point of approach.	Ds	dip short of horizon.
CPE		DSC	digital selective calling.
	circular probable error.	DSD	double second difference.
Cpgc	course per gyrocompass.		
CPRNW	Commission on the Promulgation of Ra-	DSVL	doppler sonar velocity log.
	dio Navigational Warnings.	dur.	duration.
cps	cycles per second.	DW	Deep Water Route.
Cpsc	course per standard compass.	DZ	danger zone.
Cp stg c	course per steering compass.		
CPU	central processing unit.		${f E}$
crs	course.		2
CRT	cathode-ray tube.		
CICI			
csc	cosecant.	E	east.
csc	cosecant.	E e	base of Naperian logarithms; origin of
csc CSP	cosecant. Communications Service Provider.		base of Naperian logarithms; origin of own ship's true vector.
csc	cosecant. Communications Service Provider. Carrier-sense Time Division Multiple	e e	base of Naperian logarithms; origin of own ship's true vector. eccentricity.
csc CSP CSTDMA	cosecant. Communications Service Provider. Carrier-sense Time Division Multiple Access.	e	base of Naperian logarithms; origin of own ship's true vector.
csc CSP CSTDMA	cosecant. Communications Service Provider. Carrier-sense Time Division Multiple Access. cupola.	e e	base of Naperian logarithms; origin of own ship's true vector. eccentricity. electronic bearing line. envelope to cycle difference; envelope to
CSC CSP CSTDMA cup Cus Ho	cosecant. Communications Service Provider. Carrier-sense Time Division Multiple Access. cupola. customs house.	e e EBL	base of Naperian logarithms; origin of own ship's true vector. eccentricity. electronic bearing line.
csc CSP CSTDMA cup Cus Ho CW	cosecant. Communications Service Provider. Carrier-sense Time Division Multiple Access. cupola. customs house. continuous wave.	e e EBL	base of Naperian logarithms; origin of own ship's true vector. eccentricity. electronic bearing line. envelope to cycle difference; envelope to
CSC CSP CSTDMA cup Cus Ho	cosecant. Communications Service Provider. Carrier-sense Time Division Multiple Access. cupola. customs house.	e e EBL ECD	base of Naperian logarithms; origin of own ship's true vector. eccentricity. electronic bearing line. envelope to cycle difference; envelope to cycle discrepancy.
csc CSP CSTDMA cup Cus Ho CW	cosecant. Communications Service Provider. Carrier-sense Time Division Multiple Access. cupola. customs house. continuous wave. compass azimuth.	e e EBL ECD EC EC	base of Naperian logarithms; origin of own ship's true vector. eccentricity. electronic bearing line. envelope to cycle difference; envelope to cycle discrepancy. electronic chart. electronic chart correction.
csc CSP CSTDMA cup Cus Ho CW	cosecant. Communications Service Provider. Carrier-sense Time Division Multiple Access. cupola. customs house. continuous wave.	e EBL ECD EC ECC ECCB	base of Naperian logarithms; origin of own ship's true vector. eccentricity. electronic bearing line. envelope to cycle difference; envelope to cycle discrepancy. electronic chart. electronic chart correction. electronic chart data base.
csc CSP CSTDMA cup Cus Ho CW	cosecant. Communications Service Provider. Carrier-sense Time Division Multiple Access. cupola. customs house. continuous wave. compass azimuth.	e e EBL ECD EC EC	base of Naperian logarithms; origin of own ship's true vector. eccentricity. electronic bearing line. envelope to cycle difference; envelope to cycle discrepancy. electronic chart. electronic chart correction. electronic chart data base. electronic chart display and information
csc CSP CSTDMA cup Cus Ho CW	cosecant. Communications Service Provider. Carrier-sense Time Division Multiple Access. cupola. customs house. continuous wave. compass azimuth.	e EBL ECD EC ECC ECCB ECDB ECDIS	base of Naperian logarithms; origin of own ship's true vector. eccentricity. electronic bearing line. envelope to cycle difference; envelope to cycle discrepancy. electronic chart. electronic chart correction. electronic chart data base. electronic chart display and information system.
csc CSP CSTDMA cup Cus Ho CW	cosecant. Communications Service Provider. Carrier-sense Time Division Multiple Access. cupola. customs house. continuous wave. compass azimuth. D deviation; dip (of horizon); distance; de-	e e EBL ECD EC ECC ECCB ECDB ECDIS ECS	base of Naperian logarithms; origin of own ship's true vector. eccentricity. electronic bearing line. envelope to cycle difference; envelope to cycle discrepancy. electronic chart. electronic chart correction. electronic chart data base. electronic chart display and information system. electronic chart system.
CSC CSP CSTDMA cup Cus Ho CW CZn	cosecant. Communications Service Provider. Carrier-sense Time Division Multiple Access. cupola. customs house. continuous wave. compass azimuth. D deviation; dip (of horizon); distance; destroyed.	e e EBL ECD EC ECC ECCB ECDB ECDIS ECS ED	base of Naperian logarithms; origin of own ship's true vector. eccentricity. electronic bearing line. envelope to cycle difference; envelope to cycle discrepancy. electronic chart. electronic chart correction. electronic chart data base. electronic chart display and information system. electronic chart system. existence doubtful.
csc CSP CSTDMA cup Cus Ho CW	cosecant. Communications Service Provider. Carrier-sense Time Division Multiple Access. cupola. customs house. continuous wave. compass azimuth. D deviation; dip (of horizon); distance; destroyed. declination (astronomical); altitude dif-	e e EBL ECD EC ECC ECCB ECDB ECDIS ECS ED EDD	base of Naperian logarithms; origin of own ship's true vector. eccentricity. electronic bearing line. envelope to cycle difference; envelope to cycle discrepancy. electronic chart. electronic chart correction. electronic chart data base. electronic chart display and information system. electronic chart system. existence doubtful. estimated date of departure.
CSC CSP CSTDMA cup Cus Ho CW CZn	cosecant. Communications Service Provider. Carrier-sense Time Division Multiple Access. cupola. customs house. continuous wave. compass azimuth. D deviation; dip (of horizon); distance; destroyed. declination (astronomical); altitude difference.	e e EBL ECD EC ECC ECDB ECDIS ECS ED EDD EEZ	base of Naperian logarithms; origin of own ship's true vector. eccentricity. electronic bearing line. envelope to cycle difference; envelope to cycle discrepancy. electronic chart. electronic chart correction. electronic chart data base. electronic chart display and information system. electronic chart system. existence doubtful. estimated date of departure. exclusive economic zone.
CSC CSP CSTDMA cup Cus Ho CW CZn	cosecant. Communications Service Provider. Carrier-sense Time Division Multiple Access. cupola. customs house. continuous wave. compass azimuth. D deviation; dip (of horizon); distance; destroyed. declination (astronomical); altitude difference. declination change in 1 hour.	e e EBL ECD EC ECC ECDB ECDIS ECS ED EDD EEZ EGC	base of Naperian logarithms; origin of own ship's true vector. eccentricity. electronic bearing line. envelope to cycle difference; envelope to cycle discrepancy. electronic chart. electronic chart correction. electronic chart data base. electronic chart display and information system. electronic chart system. existence doubtful. estimated date of departure. exclusive economic zone. enhanced group calling.
CSC CSP CSTDMA cup Cus Ho CW CZn D d d d dA	cosecant. Communications Service Provider. Carrier-sense Time Division Multiple Access. cupola. customs house. continuous wave. compass azimuth. D deviation; dip (of horizon); distance; destroyed. declination (astronomical); altitude difference. declination change in 1 hour. difference of longitude (time units).	e EBL ECD EC ECC ECDB ECDIS ECS ED EDD EEZ EGC EHF	base of Naperian logarithms; origin of own ship's true vector. eccentricity. electronic bearing line. envelope to cycle difference; envelope to cycle discrepancy. electronic chart. electronic chart correction. electronic chart data base. electronic chart display and information system. electronic chart system. existence doubtful. estimated date of departure. exclusive economic zone. enhanced group calling. extremely high frequency.
CSC CSP CSTDMA cup Cus Ho CW CZn D d d d dA DAAS	cosecant. Communications Service Provider. Carrier-sense Time Division Multiple Access. cupola. customs house. continuous wave. compass azimuth. D deviation; dip (of horizon); distance; destroyed. declination (astronomical); altitude difference. declination change in 1 hour. difference of longitude (time units). Defense Automatic Addressing System.	e EBL ECD EC ECC ECCB ECDB ECDIS ECS ED EDD EEZ EGC EHF E. Int.	base of Naperian logarithms; origin of own ship's true vector. eccentricity. electronic bearing line. envelope to cycle difference; envelope to cycle discrepancy. electronic chart. electronic chart correction. electronic chart data base. electronic chart display and information system. electronic chart system. existence doubtful. estimated date of departure. exclusive economic zone. enhanced group calling. extremely high frequency. equal interval; isophase.
CSC CSP CSTDMA cup Cus Ho CW CZn D d d d dA DAAS DAC	cosecant. Communications Service Provider. Carrier-sense Time Division Multiple Access. cupola. customs house. continuous wave. compass azimuth. D deviation; dip (of horizon); distance; destroyed. declination (astronomical); altitude difference. declination change in 1 hour. difference of longitude (time units). Defense Automatic Addressing System. Designated Area Code.	e EBL ECD EC ECC ECDB ECDIS ECS ED EDD EEZ EGC EHF	base of Naperian logarithms; origin of own ship's true vector. eccentricity. electronic bearing line. envelope to cycle difference; envelope to cycle discrepancy. electronic chart. electronic chart correction. electronic chart data base. electronic chart display and information system. electronic chart system. existence doubtful. estimated date of departure. exclusive economic zone. enhanced group calling. extremely high frequency. equal interval; isophase. electromagnetic (underwater log).
CSC CSP CSTDMA cup Cus Ho CW CZn D d d dA DAAS DAC DC	cosecant. Communications Service Provider. Carrier-sense Time Division Multiple Access. cupola. customs house. continuous wave. compass azimuth. D deviation; dip (of horizon); distance; destroyed. declination (astronomical); altitude difference. declination change in 1 hour. difference of longitude (time units). Defense Automatic Addressing System. Designated Area Code. direct current.	e EBL ECD EC ECC ECCB ECDB ECDIS ECS ED EDD EEZ EGC EHF E. Int. EM em	base of Naperian logarithms; origin of own ship's true vector. eccentricity. electronic bearing line. envelope to cycle difference; envelope to cycle discrepancy. electronic chart. electronic chart correction. electronic chart data base. electronic chart display and information system. electronic chart system. existence doubtful. estimated date of departure. exclusive economic zone. enhanced group calling. extremely high frequency. equal interval; isophase. electromagnetic (underwater log). other ship's true vector.
CSC CSP CSTDMA cup Cus Ho CW CZn D d d dA DAAS DAC DC deg.	cosecant. Communications Service Provider. Carrier-sense Time Division Multiple Access. cupola. customs house. continuous wave. compass azimuth. D deviation; dip (of horizon); distance; destroyed. declination (astronomical); altitude difference. declination change in 1 hour. difference of longitude (time units). Defense Automatic Addressing System. Designated Area Code. direct current. degree(s).	e EBL ECD EC ECC ECCB ECDB ECDIS ECS ED EDD EEZ EGC EHF E. Int. EM em ENC	base of Naperian logarithms; origin of own ship's true vector. eccentricity. electronic bearing line. envelope to cycle difference; envelope to cycle discrepancy. electronic chart. electronic chart correction. electronic chart data base. electronic chart display and information system. electronic chart system. existence doubtful. estimated date of departure. exclusive economic zone. enhanced group calling. extremely high frequency. equal interval; isophase. electromagnetic (underwater log). other ship's true vector. electronic navigation chart.
CSC CSP CSTDMA cup Cus Ho CW CZn D d d dA DAAS DAC DC deg. Dec.	cosecant. Communications Service Provider. Carrier-sense Time Division Multiple Access. cupola. customs house. continuous wave. compass azimuth. D deviation; dip (of horizon); distance; destroyed. declination (astronomical); altitude difference. declination change in 1 hour. difference of longitude (time units). Defense Automatic Addressing System. Designated Area Code. direct current. degree(s). declination.	e EBL ECD EC ECC ECCB ECDB ECDIS ECS ED EDD EEZ EGC EHF E. Int. EM em ENC ENCDB	base of Naperian logarithms; origin of own ship's true vector. eccentricity. electronic bearing line. envelope to cycle difference; envelope to cycle discrepancy. electronic chart. electronic chart correction. electronic chart data base. electronic chart display and information system. electronic chart system. existence doubtful. estimated date of departure. exclusive economic zone. enhanced group calling. extremely high frequency. equal interval; isophase. electromagnetic (underwater log). other ship's true vector. electronic navigation chart. electronic navigation chart data base.
CSC CSP CSTDMA cup Cus Ho CW CZn D d d dA DAAS DAC DC deg.	cosecant. Communications Service Provider. Carrier-sense Time Division Multiple Access. cupola. customs house. continuous wave. compass azimuth. D deviation; dip (of horizon); distance; destroyed. declination (astronomical); altitude difference. declination change in 1 hour. difference of longitude (time units). Defense Automatic Addressing System. Designated Area Code. direct current. degree(s).	e EBL ECD EC ECC ECCBECDB ECDIS ECS ED EDD EEZ EGC EHF E. Int. EM em ENC ENCDB EP	base of Naperian logarithms; origin of own ship's true vector. eccentricity. electronic bearing line. envelope to cycle difference; envelope to cycle discrepancy. electronic chart. electronic chart correction. electronic chart data base. electronic chart display and information system. electronic chart system. existence doubtful. estimated date of departure. exclusive economic zone. enhanced group calling. extremely high frequency. equal interval; isophase. electromagnetic (underwater log). other ship's true vector. electronic navigation chart. electronic navigation chart data base. estimated position.
CSC CSP CSTDMA cup Cus Ho CW CZn D d d dA DAAS DAC DC deg. Dec.	cosecant. Communications Service Provider. Carrier-sense Time Division Multiple Access. cupola. customs house. continuous wave. compass azimuth. D deviation; dip (of horizon); distance; destroyed. declination (astronomical); altitude difference. declination change in 1 hour. difference of longitude (time units). Defense Automatic Addressing System. Designated Area Code. direct current. degree(s). declination.	e EBL ECD EC ECC ECCB ECDB ECDIS ECS ED EDD EEZ EGC EHF E. Int. EM em ENC ENCDB	base of Naperian logarithms; origin of own ship's true vector. eccentricity. electronic bearing line. envelope to cycle difference; envelope to cycle discrepancy. electronic chart. electronic chart correction. electronic chart data base. electronic chart display and information system. electronic chart system. existence doubtful. estimated date of departure. exclusive economic zone. enhanced group calling. extremely high frequency. equal interval; isophase. electromagnetic (underwater log). other ship's true vector. electronic navigation chart. electronic navigation chart data base.
CSC CSP CSTDMA cup Cus Ho CW CZn D d d dA DAAS DAC DC deg. Dec. Dec. Dec. Inc.	cosecant. Communications Service Provider. Carrier-sense Time Division Multiple Access. cupola. customs house. continuous wave. compass azimuth. D deviation; dip (of horizon); distance; destroyed. declination (astronomical); altitude difference. declination change in 1 hour. difference of longitude (time units). Defense Automatic Addressing System. Designated Area Code. direct current. degree(s). declination. declination increment.	e EBL ECD EC ECC ECCBECDB ECDIS ECS ED EDD EEZ EGC EHF E. Int. EM em ENC ENCDB EP	base of Naperian logarithms; origin of own ship's true vector. eccentricity. electronic bearing line. envelope to cycle difference; envelope to cycle discrepancy. electronic chart. electronic chart correction. electronic chart data base. electronic chart display and information system. electronic chart system. existence doubtful. estimated date of departure. exclusive economic zone. enhanced group calling. extremely high frequency. equal interval; isophase. electromagnetic (underwater log). other ship's true vector. electronic navigation chart. electronic navigation chart data base. estimated position.
csc CSP CSTDMA cup Cus Ho CW CZn D d d dA DAAS DAC DC deg. Dec. Dec. Inc. Dep.	cosecant. Communications Service Provider. Carrier-sense Time Division Multiple Access. cupola. customs house. continuous wave. compass azimuth. D deviation; dip (of horizon); distance; destroyed. declination (astronomical); altitude difference. declination change in 1 hour. difference of longitude (time units). Defense Automatic Addressing System. Designated Area Code. direct current. degree(s). declination. declination increment. departure.	e EBL ECD EC ECC ECDB ECDIS ECS ED EDD EEZ EGC EHF E. Int. EM em ENC ENCDB EP EPFS	base of Naperian logarithms; origin of own ship's true vector. eccentricity. electronic bearing line. envelope to cycle difference; envelope to cycle discrepancy. electronic chart. electronic chart correction. electronic chart data base. electronic chart display and information system. electronic chart system. existence doubtful. estimated date of departure. exclusive economic zone. enhanced group calling. extremely high frequency. equal interval; isophase. electromagnetic (underwater log). other ship's true vector. electronic navigation chart. electronic navigation. Electronic Position Fixing System.
csc CSP CSTDMA cup Cus Ho CW CZn D d d dA DAAS DAC DC deg. Dec. Dec. Inc. Dep. destr	cosecant. Communications Service Provider. Carrier-sense Time Division Multiple Access. cupola. customs house. continuous wave. compass azimuth. D deviation; dip (of horizon); distance; destroyed. declination (astronomical); altitude difference. declination change in 1 hour. difference of longitude (time units). Defense Automatic Addressing System. Designated Area Code. direct current. degree(s). declination. declination increment. departure. destroyed. deviation.	e EBL ECD EC ECC ECDB ECDIS ECS ED EDD EEZ EGC EHF E. Int. EM em ENC ENCDB EP EPFS	base of Naperian logarithms; origin of own ship's true vector. eccentricity. electronic bearing line. envelope to cycle difference; envelope to cycle discrepancy. electronic chart. electronic chart correction. electronic chart data base. electronic chart display and information system. electronic chart system. existence doubtful. estimated date of departure. exclusive economic zone. enhanced group calling. extremely high frequency. equal interval; isophase. electromagnetic (underwater log). other ship's true vector. electronic navigation chart. electronic navigation chart data base. estimated position. Electronic Position Fixing System. Emergency Position Indicating Radio Beacon.
csc CSP CSTDMA cup Cus Ho CW CZn D d d dA DAAS DAC DC deg. Dec. Dec. Inc. Dep. destr Dev.	cosecant. Communications Service Provider. Carrier-sense Time Division Multiple Access. cupola. customs house. continuous wave. compass azimuth. D deviation; dip (of horizon); distance; destroyed. declination (astronomical); altitude difference. declination change in 1 hour. difference of longitude (time units). Defense Automatic Addressing System. Designated Area Code. direct current. degree(s). declination. declination increment. departure. destroyed. deviation. degaussing.	e EBL ECD EC ECC ECCB ECDB ECDIS ECS ED EDD EEZ EGC EHF E. Int. EM em ENC ENCDB EP EPFS EPIRB	base of Naperian logarithms; origin of own ship's true vector. eccentricity. electronic bearing line. envelope to cycle difference; envelope to cycle discrepancy. electronic chart. electronic chart correction. electronic chart data base. electronic chart display and information system. electronic chart system. existence doubtful. estimated date of departure. exclusive economic zone. enhanced group calling. extremely high frequency. equal interval; isophase. electromagnetic (underwater log). other ship's true vector. electronic navigation chart. electronic navigation chart data base. estimated position. Electronic Position Fixing System. Emergency Position Indicating Radio
csc CSP CSTDMA cup Cus Ho CW CZn D d d dA DAAS DAC DC deg. Dec. Dec. Inc. Dep. destr Dev. DG	cosecant. Communications Service Provider. Carrier-sense Time Division Multiple Access. cupola. customs house. continuous wave. compass azimuth. D deviation; dip (of horizon); distance; destroyed. declination (astronomical); altitude difference. declination change in 1 hour. difference of longitude (time units). Defense Automatic Addressing System. Designated Area Code. direct current. degree(s). declination. declination increment. departure. destroyed. deviation.	e EBL ECD EC ECC ECCB ECDB ECDIS ECS ED EDD EEZ EGC EHF E. Int. EM em ENC ENCDB EP EPFS EPIRB	base of Naperian logarithms; origin of own ship's true vector. eccentricity. electronic bearing line. envelope to cycle difference; envelope to cycle discrepancy. electronic chart. electronic chart correction. electronic chart data base. electronic chart display and information system. electronic chart system. existence doubtful. estimated date of departure. exclusive economic zone. enhanced group calling. extremely high frequency. equal interval; isophase. electromagnetic (underwater log). other ship's true vector. electronic navigation chart. electronic navigation chart data base. estimated position. Electronic Position Fixing System. Emergency Position Indicating Radio Beacon. Emergency Position Indicating Radio

EPROM Eq.T	erasable programmable read only memory. equation of time.		Н
er	own ship's true vector.	1	12. 1 /
ET	Ephemeris Time.	h	altitude (astronomical); height above sea
ETA	estimated time of arrival.	1	level; hours.
ETD	estimated time of departure.	ha	apparent altitude.
Exting	extinguished.	Hc	computed altitude.
C		Hdg. HE	heading. heeling error; height of eye.
	\mathbf{F}	HF	high frequency.
	•	hf	height above sea level in feet.
Г		HFL	Hydrographic Feature Layer.
F	Fahrenheit; fast; longitude factor; phase	HHW	higher high water.
£.	correction (altitude); fixed (light)	HHWI	higher high water interval.
f f	latitude factor.	Hk	hulk.
FATDMA	flattening or ellipticity.	HLW	higher low water.
TAIDMA	Fixed Access Time Division Multiple Access.	HLWI	higher low water interval.
F.Fl.	fixed and flashing.	hm	height above sea level in meters.
FI	Function Identifier.	Но	observed altitude.
Fl.	flashing (light).	Hor	horizontal.
Fl. (2)	group flashing (light).	Hor Cl	horizontal clearance.
Fl. (2+1)	composite group flashing (light).	HP	horizontal parallax.
FLO	Fleet Liaison Officer - a civilian NGA	Нр	precomputed altitude.
120	analyst of Navy Quartermaster (QM).	Hpgc	heading per gyrocompass.
fm(s)	fathom(s).	Hpsc	heading per standard compass.
FM	frequency modulation.	Hp stg c	heading per steering compass.
Fog Det.	fog detector.	hr	rectified (apparent) altitude.
Fog Sig.	fog signal.	hr.	hour, hrs., hours.
ft.	foot, feet.	hs	sextant altitude.
FTC	fast time constant.	HSD	high speed data.
		ht	tabulated altitude.
		11337	high western
	G	HW E &C	high water.
	G	HW H.W.F.&C. HWI	high water full and change. high water interval, mean high water
G	Greenwich; Greenwich meridian (upper	H.W.F.&C. HWI	high water full and change. high water interval, mean high water lunitidal interval.
	Greenwich; Greenwich meridian (upper branch); grid (direction); gravel; green.	H.W.F.&C. HWI HWQ	high water full and change. high water interval, mean high water lunitidal interval. tropic high water inequality.
g	Greenwich; Greenwich meridian (upper branch); grid (direction); gravel; green. acceleration due to gravity; Greenwich meridian (lower branch).	H.W.F.&C. HWI	high water full and change. high water interval, mean high water lunitidal interval. tropic high water inequality. hertz.
g GAT	Greenwich; Greenwich meridian (upper branch); grid (direction); gravel; green. acceleration due to gravity; Greenwich meridian (lower branch). Greenwich apparent time.	H.W.F.&C. HWI HWQ	high water full and change. high water interval, mean high water lunitidal interval. tropic high water inequality.
g GAT GB	Greenwich; Greenwich meridian (upper branch); grid (direction); gravel; green. acceleration due to gravity; Greenwich meridian (lower branch). Greenwich apparent time. grid bearing.	H.W.F.&C. HWI HWQ	high water full and change. high water interval, mean high water lunitidal interval. tropic high water inequality. hertz.
g GAT GB GC	Greenwich; Greenwich meridian (upper branch); grid (direction); gravel; green. acceleration due to gravity; Greenwich meridian (lower branch). Greenwich apparent time. grid bearing. grid course.	H.W.F.&C. HWI HWQ	high water full and change. high water interval, mean high water lunitidal interval. tropic high water inequality. hertz.
g GAT GB GC GCLWD	Greenwich; Greenwich meridian (upper branch); grid (direction); gravel; green. acceleration due to gravity; Greenwich meridian (lower branch). Greenwich apparent time. grid bearing. grid course. Gulf Coast Low Water Datum.	H.W.F.&C. HWI HWQ Hz	high water full and change. high water interval, mean high water lunitidal interval. tropic high water inequality. hertz.
g GAT GB GC GCLWD GDOP	Greenwich; Greenwich meridian (upper branch); grid (direction); gravel; green. acceleration due to gravity; Greenwich meridian (lower branch). Greenwich apparent time. grid bearing. grid course. Gulf Coast Low Water Datum. geometric dilution of precision.	H.W.F.&C. HWI HWQ Hz	high water full and change. high water interval, mean high water lunitidal interval. tropic high water inequality. hertz. I instrument correction. inclination (of satellite orbit). International Association of Lighthouse
g GAT GB GC GCLWD GDOP GE	Greenwich; Greenwich meridian (upper branch); grid (direction); gravel; green. acceleration due to gravity; Greenwich meridian (lower branch). Greenwich apparent time. grid bearing. grid course. Gulf Coast Low Water Datum. geometric dilution of precision. gyro error.	H.W.F.&C. HWI HWQ Hz	high water full and change. high water interval, mean high water lunitidal interval. tropic high water inequality. hertz. I instrument correction. inclination (of satellite orbit). International Association of Lighthouse Authorities.
g GAT GB GC GCLWD GDOP GE GEOINT	Greenwich; Greenwich meridian (upper branch); grid (direction); gravel; green. acceleration due to gravity; Greenwich meridian (lower branch). Greenwich apparent time. grid bearing. grid course. Gulf Coast Low Water Datum. geometric dilution of precision. gyro error. Geospatial Intelligence.	H.W.F.&C. HWI HWQ Hz I i iALA	high water full and change. high water interval, mean high water lunitidal interval. tropic high water inequality. hertz. I instrument correction. inclination (of satellite orbit). International Association of Lighthouse Authorities. International Astronomical Union.
GAT GB GC GCLWD GDOP GE GEOINT GH	Greenwich; Greenwich meridian (upper branch); grid (direction); gravel; green. acceleration due to gravity; Greenwich meridian (lower branch). Greenwich apparent time. grid bearing. grid course. Gulf Coast Low Water Datum. geometric dilution of precision. gyro error. Geospatial Intelligence. grid heading.	H.W.F.&C. HWI HWQ Hz I i IALA IAU IC	high water full and change. high water interval, mean high water lunitidal interval. tropic high water inequality. hertz. I instrument correction. inclination (of satellite orbit). International Association of Lighthouse Authorities. International Astronomical Union. index correction.
GAT GB GC GCLWD GDOP GE GEOINT GH GHA	Greenwich; Greenwich meridian (upper branch); grid (direction); gravel; green. acceleration due to gravity; Greenwich meridian (lower branch). Greenwich apparent time. grid bearing. grid course. Gulf Coast Low Water Datum. geometric dilution of precision. gyro error. Geospatial Intelligence. grid heading. Greenwich hour angle.	H.W.F.&C. HWI HWQ Hz I I IALA IAU IC ICC	high water full and change. high water interval, mean high water lunitidal interval. tropic high water inequality. hertz. I instrument correction. inclination (of satellite orbit). International Association of Lighthouse Authorities. International Astronomical Union. index correction. Intelligence Coordination Center.
GAT GB GC GCLWD GDOP GE GEOINT GH GHA GIS	Greenwich; Greenwich meridian (upper branch); grid (direction); gravel; green. acceleration due to gravity; Greenwich meridian (lower branch). Greenwich apparent time. grid bearing. grid course. Gulf Coast Low Water Datum. geometric dilution of precision. gyro error. Geospatial Intelligence. grid heading. Greenwich hour angle. Geographic Information System.	H.W.F.&C. HWI HWQ Hz I I IALA IAU IC ICC ICC ICW	high water full and change. high water interval, mean high water lunitidal interval. tropic high water inequality. hertz. I instrument correction. inclination (of satellite orbit). International Association of Lighthouse Authorities. International Astronomical Union. index correction. Intelligence Coordination Center. Intracoastal Waterway.
GAT GB GC GCLWD GDOP GE GEOINT GH GHA	Greenwich; Greenwich meridian (upper branch); grid (direction); gravel; green. acceleration due to gravity; Greenwich meridian (lower branch). Greenwich apparent time. grid bearing. grid course. Gulf Coast Low Water Datum. geometric dilution of precision. gyro error. Geospatial Intelligence. grid heading. Greenwich hour angle. Geographic Information System. Global Maritime Distress and Safety	H.W.F.&C. HWI HWQ Hz I i IALA IAU IC ICC ICC ICW IDC	high water full and change. high water interval, mean high water lunitidal interval. tropic high water inequality. hertz. I instrument correction. inclination (of satellite orbit). International Association of Lighthouse Authorities. International Astronomical Union. index correction. Intelligence Coordination Center. Intracoastal Waterway. International Data Center.
GAT GB GC GCLWD GDOP GE GEOINT GH GHA GIS GMDSS	Greenwich; Greenwich meridian (upper branch); grid (direction); gravel; green. acceleration due to gravity; Greenwich meridian (lower branch). Greenwich apparent time. grid bearing. grid course. Gulf Coast Low Water Datum. geometric dilution of precision. gyro error. Geospatial Intelligence. grid heading. Greenwich hour angle. Geographic Information System. Global Maritime Distress and Safety System.	H.W.F.&C. HWI HWQ Hz I I IALA IAU IC ICC ICC ICW	high water full and change. high water interval, mean high water lunitidal interval. tropic high water inequality. hertz. I instrument correction. inclination (of satellite orbit). International Association of Lighthouse Authorities. International Astronomical Union. index correction. Intelligence Coordination Center. Intracoastal Waterway. International Data Center. International Electrotechnical Commis-
GAT GB GC GCLWD GDOP GE GEOINT GH GHA GIS GMDSS	Greenwich; Greenwich meridian (upper branch); grid (direction); gravel; green. acceleration due to gravity; Greenwich meridian (lower branch). Greenwich apparent time. grid bearing. grid course. Gulf Coast Low Water Datum. geometric dilution of precision. gyro error. Geospatial Intelligence. grid heading. Greenwich hour angle. Geographic Information System. Global Maritime Distress and Safety System. Greenwich mean time.	H.W.F.&C. HWI HWQ Hz I i IALA IAU IC ICC ICW IDC IEC	high water full and change. high water interval, mean high water lunitidal interval. tropic high water inequality. hertz. I instrument correction. inclination (of satellite orbit). International Association of Lighthouse Authorities. International Astronomical Union. index correction. Intelligence Coordination Center. Intracoastal Waterway. International Data Center. International Electrotechnical Commission.
g GAT GB GC GCLWD GDOP GE GEOINT GH GHA GIS GMDSS GMT GNSS	Greenwich; Greenwich meridian (upper branch); grid (direction); gravel; green. acceleration due to gravity; Greenwich meridian (lower branch). Greenwich apparent time. grid bearing. grid course. Gulf Coast Low Water Datum. geometric dilution of precision. gyro error. Geospatial Intelligence. grid heading. Greenwich hour angle. Geographic Information System. Global Maritime Distress and Safety System. Greenwich mean time. Global Navigation Satellite System.	H.W.F.&C. HWI HWQ Hz I i IALA IAU IC ICC ICW IDC IEC IDE	high water full and change. high water interval, mean high water lunitidal interval. tropic high water inequality. hertz. I instrument correction. inclination (of satellite orbit). International Association of Lighthouse Authorities. International Astronomical Union. index correction. Intelligence Coordination Center. Intracoastal Waterway. International Data Center. International Electrotechnical Commission. International Data Exchange.
GAT GB GC GCLWD GDOP GE GEOINT GH GHA GIS GMDSS	Greenwich; Greenwich meridian (upper branch); grid (direction); gravel; green. acceleration due to gravity; Greenwich meridian (lower branch). Greenwich apparent time. grid bearing. grid course. Gulf Coast Low Water Datum. geometric dilution of precision. gyro error. Geospatial Intelligence. grid heading. Greenwich hour angle. Geographic Information System. Global Maritime Distress and Safety System. Greenwich mean time. Global Navigation Satellite System. group flashing.	H.W.F.&C. HWI HWQ Hz I i IALA IAU IC ICC ICW IDC IEC IDE IGLD	high water full and change. high water interval, mean high water lunitidal interval. tropic high water inequality. hertz. I instrument correction. inclination (of satellite orbit). International Association of Lighthouse Authorities. International Astronomical Union. index correction. Intelligence Coordination Center. Intracoastal Waterway. International Data Center. International Electrotechnical Commission. International Data Exchange. International Great Lakes Datum.
g GAT GB GC GCLWD GDOP GE GEOINT GH GHA GIS GMDSS GMT GNSS Gp. Fl.	Greenwich; Greenwich meridian (upper branch); grid (direction); gravel; green. acceleration due to gravity; Greenwich meridian (lower branch). Greenwich apparent time. grid bearing. grid course. Gulf Coast Low Water Datum. geometric dilution of precision. gyro error. Geospatial Intelligence. grid heading. Greenwich hour angle. Geographic Information System. Global Maritime Distress and Safety System. Greenwich mean time. Global Navigation Satellite System. group flashing. geographical position.	H.W.F.&C. HWI HWQ Hz I i IALA IAU IC ICC ICC ICW IDC IEC IDE IGLD IHB	high water full and change. high water interval, mean high water lunitidal interval. tropic high water inequality. hertz. I instrument correction. inclination (of satellite orbit). International Association of Lighthouse Authorities. International Astronomical Union. index correction. Intelligence Coordination Center. Intracoastal Waterway. International Data Center. International Electrotechnical Commission. International Data Exchange. International Great Lakes Datum. International Hydrographic Bureau.
GAT GB GC GCLWD GDOP GE GEOINT GH GHA GIS GMDSS GMT GNSS Gp. Fl. GP	Greenwich; Greenwich meridian (upper branch); grid (direction); gravel; green. acceleration due to gravity; Greenwich meridian (lower branch). Greenwich apparent time. grid bearing. grid course. Gulf Coast Low Water Datum. geometric dilution of precision. gyro error. Geospatial Intelligence. grid heading. Greenwich hour angle. Geographic Information System. Global Maritime Distress and Safety System. Greenwich mean time. Global Navigation Satellite System. group flashing.	H.W.F.&C. HWI HWQ Hz I i IALA IAU IC ICC ICW IDC IEC IDE IGLD	high water full and change. high water interval, mean high water lunitidal interval. tropic high water inequality. hertz. I instrument correction. inclination (of satellite orbit). International Association of Lighthouse Authorities. International Astronomical Union. index correction. Intelligence Coordination Center. Intracoastal Waterway. International Data Center. International Electrotechnical Commission. International Data Exchange. International Great Lakes Datum.
GAT GB GC GCLWD GDOP GE GEOINT GH GHA GIS GMDSS GMT GNSS Gp. Fl. GP GPS	Greenwich; Greenwich meridian (upper branch); grid (direction); gravel; green. acceleration due to gravity; Greenwich meridian (lower branch). Greenwich apparent time. grid bearing. grid course. Gulf Coast Low Water Datum. geometric dilution of precision. gyro error. Geospatial Intelligence. grid heading. Greenwich hour angle. Geographic Information System. Global Maritime Distress and Safety System. Greenwich mean time. Global Navigation Satellite System. group flashing. geographical position. Global Positioning System.	H.W.F.&C. HWI HWQ Hz I i IALA IAU IC ICC ICC ICW IDC IEC IDE IGLD IHB	high water full and change. high water interval, mean high water lunitidal interval. tropic high water inequality. hertz. I instrument correction. inclination (of satellite orbit). International Association of Lighthouse Authorities. International Astronomical Union. index correction. Intelligence Coordination Center. Intracoastal Waterway. International Data Center. International Electrotechnical Commission. International Data Exchange. International Great Lakes Datum. International Hydrographic Bureau. International Hydrographic Organiza-
GAT GB GC GCLWD GDOP GE GEOINT GH GHA GIS GMDSS GMT GNSS Gp. Fl. GP GPS Gr.	Greenwich; Greenwich meridian (upper branch); grid (direction); gravel; green. acceleration due to gravity; Greenwich meridian (lower branch). Greenwich apparent time. grid bearing. grid course. Gulf Coast Low Water Datum. geometric dilution of precision. gyro error. Geospatial Intelligence. grid heading. Greenwich hour angle. Geographic Information System. Global Maritime Distress and Safety System. Greenwich mean time. Global Navigation Satellite System. group flashing. geographical position. Global Positioning System. Greenwich.	H.W.F.&C. HWI HWQ Hz I i IALA IAU IC ICC ICW IDC IEC IDE IGLD IHB IHO	high water full and change. high water interval, mean high water lunitidal interval. tropic high water inequality. hertz. I instrument correction. inclination (of satellite orbit). International Association of Lighthouse Authorities. International Astronomical Union. index correction. Intelligence Coordination Center. Intracoastal Waterway. International Data Center. International Electrotechnical Commission. International Data Exchange. International Great Lakes Datum. International Hydrographic Bureau. International Hydrographic Organization.
GAT GB GC GCLWD GDOP GE GEOINT GH GHA GIS GMDSS GMT GNSS Gp. Fl. GP GPS Gr. GRI GST GV	Greenwich; Greenwich meridian (upper branch); grid (direction); gravel; green. acceleration due to gravity; Greenwich meridian (lower branch). Greenwich apparent time. grid bearing. grid course. Gulf Coast Low Water Datum. geometric dilution of precision. gyro error. Geospatial Intelligence. grid heading. Greenwich hour angle. Geographic Information System. Global Maritime Distress and Safety System. Greenwich mean time. Global Navigation Satellite System. group flashing. geographical position. Global Positioning System. Greenwich. group repetition interval. Greenwich sidereal time. grid variation.	H.W.F.&C. HWI HWQ Hz I i IALA IAU IC ICC ICW IDC IEC IDE IGLD IHB IHO IIP IMO in.	high water full and change. high water interval, mean high water lunitidal interval. tropic high water inequality. hertz. I instrument correction. inclination (of satellite orbit). International Association of Lighthouse Authorities. International Astronomical Union. index correction. Intelligence Coordination Center. Intracoastal Waterway. International Data Center. International Electrotechnical Commission. International Data Exchange. International Great Lakes Datum. International Hydrographic Bureau. International Hydrographic Organization. International Ice Patrol.
GAT GB GC GCLWD GDOP GE GEOINT GH GHA GIS GMDSS GMT GNSS Gp. Fl. GP GPS Gr. GRI GST	Greenwich; Greenwich meridian (upper branch); grid (direction); gravel; green. acceleration due to gravity; Greenwich meridian (lower branch). Greenwich apparent time. grid bearing. grid course. Gulf Coast Low Water Datum. geometric dilution of precision. gyro error. Geospatial Intelligence. grid heading. Greenwich hour angle. Geographic Information System. Global Maritime Distress and Safety System. Greenwich mean time. Global Navigation Satellite System. group flashing. geographical position. Global Positioning System. Greenwich. group repetition interval. Greenwich sidereal time.	H.W.F.&C. HWI HWQ Hz I i IALA IAU IC ICC ICW IDC IEC IDE IGLD IHB IHO IIP IMO	high water full and change. high water interval, mean high water lunitidal interval. tropic high water inequality. hertz. I instrument correction. inclination (of satellite orbit). International Association of Lighthouse Authorities. International Astronomical Union. index correction. Intelligence Coordination Center. Intracoastal Waterway. International Data Center. International Electrotechnical Commission. International Data Exchange. International Great Lakes Datum. International Hydrographic Bureau. International Hydrographic Organization. International Ice Patrol. International Maritime Organization.

INMARSAT	International Maritime Satellite Organi-	Long.	longitude.
	zation.	LOP	line of position.
INS	inertial navigation system.	LRIT	Long-Range Identification and Tracking.
int.	interval.	LSS	Logical AIS Shore Station.
Int. Qk.	Interrupted quick flashing.	LST	local sidereal time.
ION	Institute of Navigation.	Lt.	light.
I.Q.	interrupted quick flashing.	Lt Ho	light house.
IR	interference rejection.	Lt V	light vessel.
IRP	image-retaining panel.	LW	low water.
ISLW	Indian spring low water.	LWD	low water datum.
ISO	International Order of Standardization,	LWI	low water interval; mean low water lunit-
	International Organization for Standards;		idal interval.
	isophase (light).	LWQ	tropic low water inequality.
ITDMA	Incremental Time Division Multiple Ac-		1 ,
	cess.		\mathbf{M}
ITU	International Telecommunications Union.		141
IUGG	International Union of Geodesy and Geo-		
	physics.	M	celestial body; meridian (upper branch);
I.U.Q.	interrupted ultra quick flashing.		magnetic (direction); meridional parts;
I.V.Q.	interrupted very quick flashing.		nautical mile, miles; other ship.
IWW	Intracoastal Waterway.	m	meridian (lower branch); meridional dif-
	-		ference; meter,(s); U.S. survey mile,
	J – K – L		miles; end of other ship's true vector;
	J - K - L		minutes.
		MA.	Marine Analyst.
J	irradiation correction (altitude).	mag.	magnetic; magnitude.
JRCC	Joint Rescue Coordination Center.	MARAD	United States Maritime Administration.
K	Kelvin (temperature).	MB	magnetic bearing.
kHz	kilohertz.	mb	millibar(s).
km	kilometer, kilometers.	MC	magnetic course.
KML	Keyhole Markup Language	mc	megacycle, megacycles; megacycles per
KMZ	Keyhole Markup Language Zipped		second.
kn	knot, knots.	MC&G	mapping, charting and geodesy.
L	latitude; lower limb correction for moon.	MCPA	minutes to closest point of approach.
1	difference of latitude; logarithm, loga-	MDA	Maritime Domain Awareness.
	rithmic.	Mer. Pass.	meridian passage.
LAN	local apparent noon.	MF	medium frequency.
LANBY	large automatic navigational buoy.	MGRS	military grid reference system.
LASH	lighter aboard ship.	MH	magnetic heading.
LAT	local apparent time.	MHHW	mean higher high water.
lat.	latitude.	MHHWL	mean higher high water line.
LF	low frequency.	MHW	mean high water.
L.Fl.	long flashing.	MHWI	mean high water lunitidal interval.
LHA	local hour angle.	MHWL	mean high water line.
LHW	lower high water.	MHWN	neap high water or high water neaps.
LHWI	lower high water interval.	MHWS	mean high water springs.
LL	Light List.	MHz	megahertz.
LL	lower limb.	mi.	mile, miles.
LLW	lower low water.	MID	Maritime Identification Digit.
LLWD	lower low water datum.	mid	middle.
LLWI	lower low water interval.	min.	minute(s).
Lm	middle latitude; mean latitude.	MISLE	Marine Information for Safety and Law
LMT	local mean time.		Enforcement.
LNB	large navigational buoy.	MLLW	mean lower low water.
LNG	liquified natural gas.	MLLWL	mean lower low water line.
LPC	Littoral Planning Chart.	MLW	mean low water.
LPG	liquified petroleum gas.	MLWI	mean low water lunitidal interval.
Log	logarithm, logarithmic.	MLWL	mean low water line.
Loge			
	natural logarithm (to the base e).	MLWN	neap low water or low water neaps.
Log10	natural logarithm (to the base e). common logarithm (to the base 10).	MLWN MLWS	neap low water or low water neaps. mean low water springs.
Log10 LoL	natural logarithm (to the base e). common logarithm (to the base 10). List of Lights.		mean low water or low water neaps. mean low water springs. millimeters.

MMSI	Maritime Mobile Service Identity.	NOS	National Ocean Service.
Mn	mean range of tide.	NPRM	Notice of Proposed Rule Making.
mo(s)	month(s).	NRML	new relative movement line.
MOB-AIS	Man Overboard AIS device.	NtM	notice to mariners.
MODU	mobile offshore drilling unit.	NTTAA	
Mon		NIIAA	National Technology Transfer and Ad-
	monument. Marga Uniform (light)	NUN (C	vancement Act.
Mo.(U)	Morse Uniform (light).	NVMC	National Vessel Movement Center.
mph	miles per hour.	NWS	National Weather Service.
MPP	most probable position.		
MRCC	Maritime Rescue Coordination Center.		0
MRI	mean rise interval.		
MRM	miles of relative movement.		
ms	millisecond(s).	Obsc	obscured.
MSC	IMO Maritime Safety Committee.	Obs Spot	Observation spot.
MSC	Military Sealift Command.	Obstr	obstruction.
MSI	maritime safety information.	Oc.	occulting.
MSIWG	Maritime Safety Information Working	Oc.(2)	group occulting.
	Group.	Oc.(2+1)	composite group occulting.
MSL	mean sea level.	Occas	occasional.
MSO	Maritime Safety Office (NGA).	OCS	Outer Continental Shelf.
MTI	moving target indication.	ODAS	oceanographic data acquisition systems.
MTL	mean tide level.		
MWL		OMB	Office of Management and Budget.
	mean water level.	ONI	Office of Naval Intelligence.
MWLL	mean water level line.	OPAREA	US Navy Operating Area Chart.
MZn	magnetic azimuth.	Or	orange.
		OTC	officer in tactical command.
	\mathbf{N}	OTSR	Optimum Track Ship Routing.
N	north; nun.		P
n No	natural (trigonometric function).	_	
Na	nadir.	P	atmospheric pressure; parallax; planet;
Na NAD	nadir. North American Datum.	P	pole; pillar.
Na	nadir. North American Datum. National Aeronautics and Space Admin-	p	pole; pillar. departure; polar distance.
Na NAD NASA	nadir. North American Datum. National Aeronautics and Space Administration.	p PA	pole; pillar. departure; polar distance. position approximate.
Na NAD NASA NATO	nadir. North American Datum. National Aeronautics and Space Administration. North Atlantic Treaty Organization.	p	pole; pillar. departure; polar distance.
Na NAD NASA NATO NAUTO	nadir. North American Datum. National Aeronautics and Space Administration. North Atlantic Treaty Organization. nautophone.	p PA	pole; pillar. departure; polar distance. position approximate.
Na NAD NASA NATO NAUTO NAVAREA	nadir. North American Datum. National Aeronautics and Space Administration. North Atlantic Treaty Organization. nautophone. Navigation Area.	p PA PC	pole; pillar. departure; polar distance. position approximate. personal correction; personal computer. position doubtful.
Na NAD NASA NATO NAUTO NAVAREA NAVEX	nadir. North American Datum. National Aeronautics and Space Administration. North Atlantic Treaty Organization. nautophone. Navigation Area. Naval Exercise Chart.	p PA PC PD PCA	pole; pillar. departure; polar distance. position approximate. personal correction; personal computer. position doubtful. polar cap absorption.
Na NAD NASA NATO NAUTO NAVAREA NAVEX NAVSAT	nadir. North American Datum. National Aeronautics and Space Administration. North Atlantic Treaty Organization. nautophone. Navigation Area. Naval Exercise Chart. Navy Navigation Satellite System.	P PA PC PD PCA PCD	pole; pillar. departure; polar distance. position approximate. personal correction; personal computer. position doubtful. polar cap absorption. polar cap disturbance.
Na NAD NASA NATO NAUTO NAVAREA NAVEX NAVSAT NAVSSI	nadir. North American Datum. National Aeronautics and Space Administration. North Atlantic Treaty Organization. nautophone. Navigation Area. Naval Exercise Chart. Navy Navigation Satellite System. navigation sensor system interface.	p PA PC PD PCA PCD PCP	pole; pillar. departure; polar distance. position approximate. personal correction; personal computer. position doubtful. polar cap absorption. polar cap disturbance. potential point of collision.
Na NAD NASA NATO NAUTO NAVAREA NAVEX NAVSAT	nadir. North American Datum. National Aeronautics and Space Administration. North Atlantic Treaty Organization. nautophone. Navigation Area. Naval Exercise Chart. Navy Navigation Satellite System.	p PA PC PD PCA PCD PCP	pole; pillar. departure; polar distance. position approximate. personal correction; personal computer. position doubtful. polar cap absorption. polar cap disturbance. potential point of collision. per gyrocompass.
Na NAD NASA NATO NAUTO NAVAREA NAVEX NAVSAT NAVSSI	nadir. North American Datum. National Aeronautics and Space Administration. North Atlantic Treaty Organization. nautophone. Navigation Area. Naval Exercise Chart. Navy Navigation Satellite System. navigation sensor system interface.	p PA PC PD PCA PCD PCP pgc PI	pole; pillar. departure; polar distance. position approximate. personal correction; personal computer. position doubtful. polar cap absorption. polar cap disturbance. potential point of collision. per gyrocompass. Presentation Interface.
Na NAD NASA NATO NAUTO NAVAREA NAVEX NAVSAT NAVSSI NAVO	nadir. North American Datum. National Aeronautics and Space Administration. North Atlantic Treaty Organization. nautophone. Navigation Area. Naval Exercise Chart. Navy Navigation Satellite System. navigation sensor system interface. Naval Oceanographic Office.	PAPC PD PCAPCP PCP PGC PIPI P in A	pole; pillar. departure; polar distance. position approximate. personal correction; personal computer. position doubtful. polar cap absorption. polar cap disturbance. potential point of collision. per gyrocompass. Presentation Interface. parallax in altitude.
Na NAD NASA NATO NAUTO NAVAREA NAVEX NAVSAT NAVSSI NAVO NBDP	nadir. North American Datum. National Aeronautics and Space Administration. North Atlantic Treaty Organization. nautophone. Navigation Area. Naval Exercise Chart. Navy Navigation Satellite System. navigation sensor system interface. Naval Oceanographic Office. narrow band direct printing.	P PA PC PD PCA PCD PCP Pgc PI P in A PM	pole; pillar. departure; polar distance. position approximate. personal correction; personal computer. position doubtful. polar cap absorption. polar cap disturbance. potential point of collision. per gyrocompass. Presentation Interface. parallax in altitude. pulse modulation.
Na NAD NASA NATO NAUTO NAVAREA NAVEX NAVSAT NAVSSI NAVO NBDP NBS	nadir. North American Datum. National Aeronautics and Space Administration. North Atlantic Treaty Organization. nautophone. Navigation Area. Naval Exercise Chart. Navy Navigation Satellite System. navigation sensor system interface. Naval Oceanographic Office. narrow band direct printing. National Bureau of Standards.	P PA PC PD PCA PCD PCP Pgc PI P in A PM PM	pole; pillar. departure; polar distance. position approximate. personal correction; personal computer. position doubtful. polar cap absorption. polar cap disturbance. potential point of collision. per gyrocompass. Presentation Interface. parallax in altitude. pulse modulation. post meridian (after noon).
Na NAD NASA NATO NAUTO NAUTO NAVAREA NAVEX NAVSAT NAVSSI NAVO NBDP NBS NCS NEPA	nadir. North American Datum. National Aeronautics and Space Administration. North Atlantic Treaty Organization. nautophone. Navigation Area. Naval Exercise Chart. Navy Navigation Satellite System. navigation sensor system interface. Naval Oceanographic Office. narrow band direct printing. National Bureau of Standards. network coordination station. National Environmental Policy Act.	P PA PC PD PCA PCD PCP Pgc PI P in A PM PM PMP	pole; pillar. departure; polar distance. position approximate. personal correction; personal computer. position doubtful. polar cap absorption. polar cap disturbance. potential point of collision. per gyrocompass. Presentation Interface. parallax in altitude. pulse modulation. post meridian (after noon). parallel motion protractor.
Na NAD NASA NATO NAUTO NAUTO NAVAREA NAVEX NAVSAT NAVSSI NAVO NBDP NBS NCS NEPA NESS	nadir. North American Datum. National Aeronautics and Space Administration. North Atlantic Treaty Organization. nautophone. Navigation Area. Naval Exercise Chart. Navy Navigation Satellite System. navigation sensor system interface. Naval Oceanographic Office. narrow band direct printing. National Bureau of Standards. network coordination station. National Environmental Policy Act. National Earth Satellite Service.	P PA PC PD PCA PCD PCP Pgc PI P in A PM PM PMP Pn	pole; pillar. departure; polar distance. position approximate. personal correction; personal computer. position doubtful. polar cap absorption. polar cap disturbance. potential point of collision. per gyrocompass. Presentation Interface. parallax in altitude. pulse modulation. post meridian (after noon). parallel motion protractor. north pole; north celestial pole.
Na NAD NASA NATO NAUTO NAUTO NAVAREA NAVEX NAVSAT NAVSSI NAVO NBDP NBS NCS NEPA	nadir. North American Datum. National Aeronautics and Space Administration. North Atlantic Treaty Organization. nautophone. Navigation Area. Naval Exercise Chart. Navy Navigation Satellite System. navigation sensor system interface. Naval Oceanographic Office. narrow band direct printing. National Bureau of Standards. network coordination station. National Environmental Policy Act. National Earth Satellite Service. National Geospatial-Intelligence Agen-	P PA PC PD PCA PCD PCP Pgc PI P in A PM PM PMP	pole; pillar. departure; polar distance. position approximate. personal correction; personal computer. position doubtful. polar cap absorption. polar cap disturbance. potential point of collision. per gyrocompass. Presentation Interface. parallax in altitude. pulse modulation. post meridian (after noon). parallel motion protractor. north pole; north celestial pole. predicted propagation correction.
Na NAD NASA NATO NAUTO NAUTO NAVAREA NAVEX NAVSAT NAVSSI NAVO NBDP NBS NCS NEPA NESS NGA	nadir. North American Datum. National Aeronautics and Space Administration. North Atlantic Treaty Organization. nautophone. Navigation Area. Naval Exercise Chart. Navy Navigation Satellite System. navigation sensor system interface. Naval Oceanographic Office. narrow band direct printing. National Bureau of Standards. network coordination station. National Environmental Policy Act. National Earth Satellite Service. National Geospatial-Intelligence Agency.	P PA PC PD PCA PCD PCP Pgc PI P in A PM PM PMP Pn	pole; pillar. departure; polar distance. position approximate. personal correction; personal computer. position doubtful. polar cap absorption. polar cap disturbance. potential point of collision. per gyrocompass. Presentation Interface. parallax in altitude. pulse modulation. post meridian (after noon). parallel motion protractor. north pole; north celestial pole.
Na NAD NASA NATO NAUTO NAUTO NAVAREA NAVEX NAVSAT NAVSSI NAVO NBDP NBS NCS NEPA NESS NGA NGVD	nadir. North American Datum. National Aeronautics and Space Administration. North Atlantic Treaty Organization. nautophone. Navigation Area. Naval Exercise Chart. Navy Navigation Satellite System. navigation sensor system interface. Naval Oceanographic Office. narrow band direct printing. National Bureau of Standards. network coordination station. National Environmental Policy Act. National Earth Satellite Service. National Geospatial-Intelligence Agency. National Geodetic Vertical Datum.	P PA PC PD PCA PCD PCP Pgc PI P in A PM PM PM PMP Pn PPC	pole; pillar. departure; polar distance. position approximate. personal correction; personal computer. position doubtful. polar cap absorption. polar cap disturbance. potential point of collision. per gyrocompass. Presentation Interface. parallax in altitude. pulse modulation. post meridian (after noon). parallel motion protractor. north pole; north celestial pole. predicted propagation correction.
Na NAD NASA NATO NAUTO NAUTO NAVAREA NAVEX NAVSAT NAVSSI NAVO NBDP NBS NCS NEPA NESS NGA NGVD NLT	nadir. North American Datum. National Aeronautics and Space Administration. North Atlantic Treaty Organization. nautophone. Navigation Area. Naval Exercise Chart. Navy Navigation Satellite System. navigation sensor system interface. Naval Oceanographic Office. narrow band direct printing. National Bureau of Standards. network coordination station. National Environmental Policy Act. National Earth Satellite Service. National Geospatial-Intelligence Agency. National Geodetic Vertical Datum. not less than (used with danger bearing).	P PA PC PD PCA PCD PCP Pgc PI P in A PM PM PM PMP Pn PPC PPDB	pole; pillar. departure; polar distance. position approximate. personal correction; personal computer. position doubtful. polar cap absorption. polar cap disturbance. potential point of collision. per gyrocompass. Presentation Interface. parallax in altitude. pulse modulation. post meridian (after noon). parallel motion protractor. north pole; north celestial pole. predicted propagation correction. point positioning data base. plan position indicator.
Na NAD NASA NATO NAUTO NAUTO NAVAREA NAVEX NAVSAT NAVSSI NAVO NBDP NBS NCS NEPA NESS NGA NGVD NLT n. mi.	nadir. North American Datum. National Aeronautics and Space Administration. North Atlantic Treaty Organization. nautophone. Navigation Area. Naval Exercise Chart. Navy Navigation Satellite System. navigation sensor system interface. Naval Oceanographic Office. narrow band direct printing. National Bureau of Standards. network coordination station. National Environmental Policy Act. National Earth Satellite Service. National Geospatial-Intelligence Agency. National Geodetic Vertical Datum. not less than (used with danger bearing). nautical mile(s).	P PA PC PD PCA PCD PCP pgc PI P in A PM PM PM PM PMP Pn PPC PPDB PPI PRF	pole; pillar. departure; polar distance. position approximate. personal correction; personal computer. position doubtful. polar cap absorption. polar cap disturbance. potential point of collision. per gyrocompass. Presentation Interface. parallax in altitude. pulse modulation. post meridian (after noon). parallel motion protractor. north pole; north celestial pole. predicted propagation correction. point positioning data base. plan position indicator. pulse repetition frequency.
Na NAD NASA NATO NAUTO NAUTO NAVAREA NAVEX NAVSAT NAVSSI NAVO NBDP NBS NCS NEPA NESS NGA NGVD NLT n. mi. NM	nadir. North American Datum. National Aeronautics and Space Administration. North Atlantic Treaty Organization. nautophone. Navigation Area. Naval Exercise Chart. Navy Navigation Satellite System. navigation sensor system interface. Naval Oceanographic Office. narrow band direct printing. National Bureau of Standards. network coordination station. National Environmental Policy Act. National Earth Satellite Service. National Geospatial-Intelligence Agency. National Geodetic Vertical Datum. not less than (used with danger bearing). nautical mile(s). nautical mile, miles; notice to mariners.	P PA PC PD PCA PCD PCP Pgc PI P in A PM PM PM PMP Pn PPC PPDB PPI PRF Priv	pole; pillar. departure; polar distance. position approximate. personal correction; personal computer. position doubtful. polar cap absorption. polar cap disturbance. potential point of collision. per gyrocompass. Presentation Interface. parallax in altitude. pulse modulation. post meridian (after noon). parallel motion protractor. north pole; north celestial pole. predicted propagation correction. point positioning data base. plan position indicator. pulse repetition frequency. private; privately.
Na NAD NASA NATO NAUTO NAUTO NAVAREA NAVEX NAVSAT NAVSSI NAVO NBDP NBS NCS NEPA NESS NGA NGVD NLT n. mi.	nadir. North American Datum. National Aeronautics and Space Administration. North Atlantic Treaty Organization. nautophone. Navigation Area. Naval Exercise Chart. Navy Navigation Satellite System. navigation sensor system interface. Naval Oceanographic Office. narrow band direct printing. National Bureau of Standards. network coordination station. National Environmental Policy Act. National Earth Satellite Service. National Geospatial-Intelligence Agency. National Geodetic Vertical Datum. not less than (used with danger bearing). nautical mile(s). nautical mile, miles; notice to mariners. National Marine Electronics Associa-	P PA PC PD PCA PCD PCP Pgc PI P in A PM PM PM PMP Pn PPC PPDB PPI PRF Priv PROHIB	pole; pillar. departure; polar distance. position approximate. personal correction; personal computer. position doubtful. polar cap absorption. polar cap disturbance. potential point of collision. per gyrocompass. Presentation Interface. parallax in altitude. pulse modulation. post meridian (after noon). parallel motion protractor. north pole; north celestial pole. predicted propagation correction. point positioning data base. plan position indicator. pulse repetition frequency. private; privately. prohibited.
Na NAD NASA NATO NAUTO NAUTO NAVAREA NAVEX NAVSAT NAVSSI NAVO NBDP NBS NCS NEPA NESS NGA NGVD NLT n. mi. NM NMEA	nadir. North American Datum. National Aeronautics and Space Administration. North Atlantic Treaty Organization. nautophone. Navigation Area. Naval Exercise Chart. Navy Navigation Satellite System. navigation sensor system interface. Naval Oceanographic Office. narrow band direct printing. National Bureau of Standards. network coordination station. National Environmental Policy Act. National Earth Satellite Service. National Geospatial-Intelligence Agency. National Geodetic Vertical Datum. not less than (used with danger bearing). nautical mile(s). nautical mile, miles; notice to mariners. National Marine Electronics Association.	P PA PC PD PCA PCD PCP Pgc PI P in A PM PM PM PMP Pn PPC PPDB PPI PRF Priv PROHIB PRR	pole; pillar. departure; polar distance. position approximate. personal correction; personal computer. position doubtful. polar cap absorption. polar cap disturbance. potential point of collision. per gyrocompass. Presentation Interface. parallax in altitude. pulse modulation. post meridian (after noon). parallel motion protractor. north pole; north celestial pole. predicted propagation correction. point positioning data base. plan position indicator. pulse repetition frequency. private; privately. prohibited. pulse repetition rate.
Na NAD NASA NATO NAUTO NAUTO NAVAREA NAVEX NAVSAT NAVSSI NAVO NBDP NBS NCS NEPA NESS NGA NGVD NLT n. mi. NM	nadir. North American Datum. National Aeronautics and Space Administration. North Atlantic Treaty Organization. nautophone. Navigation Area. Naval Exercise Chart. Navy Navigation Satellite System. navigation sensor system interface. Naval Oceanographic Office. narrow band direct printing. National Bureau of Standards. network coordination station. National Environmental Policy Act. National Earth Satellite Service. National Geospatial-Intelligence Agency. National Geodetic Vertical Datum. not less than (used with danger bearing). nautical mile(s). nautical mile, miles; notice to mariners. National Marine Electronics Association. not more than (used with danger bear-	P PA PC PD PCA PCD PCP Pgc PI P in A PM PM PM PMP Pn PPC PPDB PPI PRF Priv PROHIB PRR Ps	pole; pillar. departure; polar distance. position approximate. personal correction; personal computer. position doubtful. polar cap absorption. polar cap disturbance. potential point of collision. per gyrocompass. Presentation Interface. parallax in altitude. pulse modulation. post meridian (after noon). parallel motion protractor. north pole; north celestial pole. predicted propagation correction. point positioning data base. plan position indicator. pulse repetition frequency. private; privately. prohibited. pulse repetition rate. south pole; south celestial pole.
Na NAD NASA NATO NAUTO NAUTO NAVAREA NAVEX NAVSAT NAVSSI NAVO NBDP NBS NCS NEPA NESS NGA NGVD NLT n. mi. NM NMEA NMT	nadir. North American Datum. National Aeronautics and Space Administration. North Atlantic Treaty Organization. nautophone. Navigation Area. Naval Exercise Chart. Navy Navigation Satellite System. navigation sensor system interface. Naval Oceanographic Office. narrow band direct printing. National Bureau of Standards. network coordination station. National Environmental Policy Act. National Earth Satellite Service. National Geospatial-Intelligence Agency. National Geodetic Vertical Datum. not less than (used with danger bearing). nautical mile(s). nautical mile, miles; notice to mariners. National Marine Electronics Association. not more than (used with danger bearing).	P PA PC PD PCA PCD PCP Pgc PI P in A PM PM PM PMP Pn PPC PPDB PPI PRF Priv PROHIB PRR Ps psc (p stg c)	pole; pillar. departure; polar distance. position approximate. personal correction; personal computer. position doubtful. polar cap absorption. polar cap disturbance. potential point of collision. per gyrocompass. Presentation Interface. parallax in altitude. pulse modulation. post meridian (after noon). parallel motion protractor. north pole; north celestial pole. predicted propagation correction. point positioning data base. plan position indicator. pulse repetition frequency. private; privately. prohibited. pulse repetition rate. south pole; south celestial pole. per standard compass.
Na NAD NASA NATO NAUTO NAUTO NAVAREA NAVEX NAVSAT NAVSSI NAVO NBDP NBS NCS NEPA NESS NGA NGVD NLT n. mi. NM NMEA NMT NNSS	nadir. North American Datum. National Aeronautics and Space Administration. North Atlantic Treaty Organization. nautophone. Navigation Area. Naval Exercise Chart. Navy Navigation Satellite System. navigation sensor system interface. Naval Oceanographic Office. narrow band direct printing. National Bureau of Standards. network coordination station. National Environmental Policy Act. National Earth Satellite Service. National Geospatial-Intelligence Agency. National Geodetic Vertical Datum. not less than (used with danger bearing). nautical mile(s). nautical mile, miles; notice to mariners. National Marine Electronics Association. not more than (used with danger bearing). Navy Navigation Satellite System.	P PA PC PD PCA PCD PCP Pgc PI P in A PM PM PM PMP Pn PPC PPDB PPI PRF Priv PROHIB PRR Ps psc (p stg c) PSS	pole; pillar. departure; polar distance. position approximate. personal correction; personal computer. position doubtful. polar cap absorption. polar cap disturbance. potential point of collision. per gyrocompass. Presentation Interface. parallax in altitude. pulse modulation. post meridian (after noon). parallel motion protractor. north pole; north celestial pole. predicted propagation correction. point positioning data base. plan position indicator. pulse repetition frequency. private; privately. prohibited. pulse repetition rate. south pole; south celestial pole. per standard compass. Physical AIS Shore Station.
Na NAD NASA NATO NAUTO NAUTO NAVAREA NAVEX NAVSAT NAVSSI NAVO NBDP NBS NCS NEPA NESS NGA NGVD NLT n. mi. NM NMEA NMT NNSS NOA	nadir. North American Datum. National Aeronautics and Space Administration. North Atlantic Treaty Organization. nautophone. Navigation Area. Naval Exercise Chart. Navy Navigation Satellite System. navigation sensor system interface. Naval Oceanographic Office. narrow band direct printing. National Bureau of Standards. network coordination station. National Environmental Policy Act. National Earth Satellite Service. National Geospatial-Intelligence Agency. National Geodetic Vertical Datum. not less than (used with danger bearing). nautical mile(s). nautical mile, miles; notice to mariners. National Marine Electronics Association. not more than (used with danger bearing). Navy Navigation Satellite System. Notice of Arrival.	P PA PC PD PCA PCD PCP pgc PI P in A PM PM PM PM PMP Pn PPC PPDB PPI PRF Priv PROHIB PRR Ps psc (p stg c) PSS Pub.	pole; pillar. departure; polar distance. position approximate. personal correction; personal computer. position doubtful. polar cap absorption. polar cap disturbance. potential point of collision. per gyrocompass. Presentation Interface. parallax in altitude. pulse modulation. post meridian (after noon). parallel motion protractor. north pole; north celestial pole. predicted propagation correction. point positioning data base. plan position indicator. pulse repetition frequency. private; privately. prohibited. pulse repetition rate. south pole; south celestial pole. per standard compass. Physical AIS Shore Station. publication.
Na NAD NASA NATO NAUTO NAUTO NAVAREA NAVEX NAVSAT NAVSSI NAVO NBDP NBS NCS NEPA NESS NGA NGVD NLT n. mi. NM NMEA NMT NNSS	nadir. North American Datum. National Aeronautics and Space Administration. North Atlantic Treaty Organization. nautophone. Navigation Area. Naval Exercise Chart. Navy Navigation Satellite System. navigation sensor system interface. Naval Oceanographic Office. narrow band direct printing. National Bureau of Standards. network coordination station. National Environmental Policy Act. National Earth Satellite Service. National Geospatial-Intelligence Agency. National Geodetic Vertical Datum. not less than (used with danger bearing). nautical mile(s). nautical mile, miles; notice to mariners. National Marine Electronics Association. not more than (used with danger bearing). Navy Navigation Satellite System. Notice of Arrival. National Oceanic and Atmospheric Ad-	P PA PC PD PCA PCD PCP pgc PI P in A PM PM PM PMP Pn PPC PPDB PPI PRF Priv PROHIB PRR Ps psc (p stg c) PSS Pub. PV	pole; pillar. departure; polar distance. position approximate. personal correction; personal computer. position doubtful. polar cap absorption. polar cap disturbance. potential point of collision. per gyrocompass. Presentation Interface. parallax in altitude. pulse modulation. post meridian (after noon). parallel motion protractor. north pole; north celestial pole. predicted propagation correction. point positioning data base. plan position indicator. pulse repetition frequency. private; privately. prohibited. pulse repetition rate. south pole; south celestial pole. per standard compass. Physical AIS Shore Station. publication. prime vertical.
Na NAD NASA NATO NAUTO NAUTO NAVAREA NAVEX NAVSAT NAVSSI NAVO NBDP NBS NCS NEPA NESS NGA NGVD NLT n. mi. NM NMEA NMT NNSS NOA	nadir. North American Datum. National Aeronautics and Space Administration. North Atlantic Treaty Organization. nautophone. Navigation Area. Naval Exercise Chart. Navy Navigation Satellite System. navigation sensor system interface. Naval Oceanographic Office. narrow band direct printing. National Bureau of Standards. network coordination station. National Environmental Policy Act. National Earth Satellite Service. National Geospatial-Intelligence Agency. National Geodetic Vertical Datum. not less than (used with danger bearing). nautical mile(s). nautical mile, miles; notice to mariners. National Marine Electronics Association. not more than (used with danger bearing). Navy Navigation Satellite System. Notice of Arrival.	P PA PC PD PCA PCD PCP pgc PI P in A PM PM PM PM PMP Pn PPC PPDB PPI PRF Priv PROHIB PRR Ps psc (p stg c) PSS Pub.	pole; pillar. departure; polar distance. position approximate. personal correction; personal computer. position doubtful. polar cap absorption. polar cap disturbance. potential point of collision. per gyrocompass. Presentation Interface. parallax in altitude. pulse modulation. post meridian (after noon). parallel motion protractor. north pole; north celestial pole. predicted propagation correction. point positioning data base. plan position indicator. pulse repetition frequency. private; privately. prohibited. pulse repetition rate. south pole; south celestial pole. per standard compass. Physical AIS Shore Station. publication.

	Q	sec.	second, seconds.
	•	semidur.	semiduration.
0	and all fleeling	SENC	system electronic navigation chart.
Q Q(2)	quick flashing.	SERS	Sea Floor Earth Data System.
Q(3)	group quick flashing (3 flashes).	SES	ship earth station.
Q(6)+L.Fl.	group quick flashing (6 flashes) plus a long flash.	SF	Secondary Phase Factor.
0	Polaris correction.	SH	ship's head (heading).
Q QM	US Navy Quartermaster.	SHA	sidereal hour angle.
QM QQ'	celestial equator.	SHF	super high frequency.
QQ	celestiai equator.	SI	International System of Units.
	R	SID	sudden ionospheric disturbance.
	N	sin	sine.
		SINS	Ships Inertial Navigation System.
r	end of own ship's true vector.	SLD	sea level datum.
R	Rankine (temperature); refraction; own	SME	Subject Matter Expert.
	ship; red; rocky; coast radio station.	SMG	speed made good.
RA	right ascension.	SNC	Standard Nautical Chart.
RACON	radar transponder beacon.	SNR	signal-to-noise ratio.
rad	radian(s).	SOA	speed of advance.
RATDMA	Random Access Time Division Multiple	SOG	speed over ground.
	Access.	SoN	Safety of Navigation.
RB	relative bearing.	SOLAS	Safety of Life at Sea Convention.
R Bn	radiobeacon.	SOTDMA	Self-Organizing Time Division Multiple
RCC	Rescue Coordination Center.		Access.
RCDS	raster chart display system.	SP	spire; spherical.
RDF	radio direction finder, RDF station.	SPA	sudden phase anomaly.
Rep.	reported.	SPM	single point mooring.
rev.	reversed.	SRM	speed of relative movement.
RF (rf)	radio frequency.	SS	signal station.
R Fix	running fix.	SSAS	Ship Security Alert System.
.1	rook rooks	anh anhm	submargad
rk	rock, rocky.	sub, subm	submerged.
RLG	ring laser gyro.	SVC	Sound Velocity Correction.
RLG rm	ring laser gyro. relative DRM-SRM vector.		Sound Velocity Correction.
RLG rm R Mast	ring laser gyro. relative DRM-SRM vector. radio mast.		
RLG rm R Mast RORO	ring laser gyro. relative DRM-SRM vector. radio mast. roll-on/roll-off.		Sound Velocity Correction.
RLG rm R Mast RORO ROT	ring laser gyro. relative DRM-SRM vector. radio mast. roll-on/roll-off. Rate of Turn.	SVC	Sound Velocity Correction. T
RLG rm R Mast RORO ROT RML	ring laser gyro. relative DRM-SRM vector. radio mast. roll-on/roll-off. Rate of Turn. relative movement line.		Sound Velocity Correction. T air temperature correction (altitude); ta-
RLG rm R Mast RORO ROT RML RMS	ring laser gyro. relative DRM-SRM vector. radio mast. roll-on/roll-off. Rate of Turn. relative movement line. root mean square.	SVC	Sound Velocity Correction. T air temperature correction (altitude); table; temperature; time; toward (altitude)
RLG rm R Mast RORO ROT RML RMS RNC	ring laser gyro. relative DRM-SRM vector. radio mast. roll-on/roll-off. Rate of Turn. relative movement line. root mean square. raster navigation chart.	SVC T	T air temperature correction (altitude); table; temperature; time; toward (altitude intercept); true (direction).
RLG rm R Mast RORO ROT RML RMS RNC RSS	ring laser gyro. relative DRM-SRM vector. radio mast. roll-on/roll-off. Rate of Turn. relative movement line. root mean square. raster navigation chart. root sum square.	SVC	T air temperature correction (altitude); table; temperature; time; toward (altitude intercept); true (direction). dry-bulb temperature; elapsed time; me-
RLG rm R Mast RORO ROT RML RMS RNC	ring laser gyro. relative DRM-SRM vector. radio mast. roll-on/roll-off. Rate of Turn. relative movement line. root mean square. raster navigation chart. root sum square. Radio Technical Commission for Mari-	SVC T	T air temperature correction (altitude); table; temperature; time; toward (altitude intercept); true (direction). dry-bulb temperature; elapsed time; meridian angle.
RLG rm R Mast RORO ROT RML RMS RNC RSS RTCM	ring laser gyro. relative DRM-SRM vector. radio mast. roll-on/roll-off. Rate of Turn. relative movement line. root mean square. raster navigation chart. root sum square. Radio Technical Commission for Maritime Services.	SVC T t t'	T air temperature correction (altitude); table; temperature; time; toward (altitude intercept); true (direction). dry-bulb temperature; elapsed time; me-
RLG rm R Mast RORO ROT RML RMS RNC RSS RTCM	ring laser gyro. relative DRM-SRM vector. radio mast. roll-on/roll-off. Rate of Turn. relative movement line. root mean square. raster navigation chart. root sum square. Radio Technical Commission for Maritime Services. reception.	SVC T	T air temperature correction (altitude); table; temperature; time; toward (altitude intercept); true (direction). dry-bulb temperature; elapsed time; meridian angle. wet-bulb temperature. table.
RLG rm R Mast RORO ROT RML RMS RNC RSS RTCM	ring laser gyro. relative DRM-SRM vector. radio mast. roll-on/roll-off. Rate of Turn. relative movement line. root mean square. raster navigation chart. root sum square. Radio Technical Commission for Maritime Services.	T t t' tab.	T air temperature correction (altitude); table; temperature; time; toward (altitude intercept); true (direction). dry-bulb temperature; elapsed time; meridian angle. wet-bulb temperature. table. International Atomic Time.
RLG rm R Mast RORO ROT RML RMS RNC RSS RTCM	ring laser gyro. relative DRM-SRM vector. radio mast. roll-on/roll-off. Rate of Turn. relative movement line. root mean square. raster navigation chart. root sum square. Radio Technical Commission for Maritime Services. reception. relative azimuth.	T t t' tab. TAI tan	T air temperature correction (altitude); table; temperature; time; toward (altitude intercept); true (direction). dry-bulb temperature; elapsed time; meridian angle. wet-bulb temperature. table. International Atomic Time. tangent.
RLG rm R Mast RORO ROT RML RMS RNC RSS RTCM	ring laser gyro. relative DRM-SRM vector. radio mast. roll-on/roll-off. Rate of Turn. relative movement line. root mean square. raster navigation chart. root sum square. Radio Technical Commission for Maritime Services. reception.	T t t' tab. TAI	T air temperature correction (altitude); table; temperature; time; toward (altitude intercept); true (direction). dry-bulb temperature; elapsed time; meridian angle. wet-bulb temperature. table. International Atomic Time.
RLG rm R Mast RORO ROT RML RMS RNC RSS RTCM	ring laser gyro. relative DRM-SRM vector. radio mast. roll-on/roll-off. Rate of Turn. relative movement line. root mean square. raster navigation chart. root sum square. Radio Technical Commission for Maritime Services. reception. relative azimuth.	T t t' tab. TAI tan TB	T air temperature correction (altitude); table; temperature; time; toward (altitude intercept); true (direction). dry-bulb temperature; elapsed time; meridian angle. wet-bulb temperature. table. International Atomic Time. tangent. true bearing; turning bearing; air tem-
RLG rm R Mast RORO ROT RML RMS RNC RSS RTCM	ring laser gyro. relative DRM-SRM vector. radio mast. roll-on/roll-off. Rate of Turn. relative movement line. root mean square. raster navigation chart. root sum square. Radio Technical Commission for Maritime Services. reception. relative azimuth.	T t t' tab. TAI tan	T air temperature correction (altitude); table; temperature; time; toward (altitude intercept); true (direction). dry-bulb temperature; elapsed time; meridian angle. wet-bulb temperature. table. International Atomic Time. tangent. true bearing; turning bearing; air temperature atmospheric pressure correction
RLG rm R Mast RORO ROT RML RMS RNC RSS RTCM Rx RZn	ring laser gyro. relative DRM-SRM vector. radio mast. roll-on/roll-off. Rate of Turn. relative movement line. root mean square. raster navigation chart. root sum square. Radio Technical Commission for Maritime Services. reception. relative azimuth.	T t t' tab. TAI tan TB	T air temperature correction (altitude); table; temperature; time; toward (altitude intercept); true (direction). dry-bulb temperature; elapsed time; meridian angle. wet-bulb temperature. table. International Atomic Time. tangent. true bearing; turning bearing; air temperature atmospheric pressure correction (altitude). true course. time of satellite closest approach.
RLG rm R Mast RORO ROT RML RMS RNC RSS RTCM Rx RZn	ring laser gyro. relative DRM-SRM vector. radio mast. roll-on/roll-off. Rate of Turn. relative movement line. root mean square. raster navigation chart. root sum square. Radio Technical Commission for Maritime Services. reception. relative azimuth.	T t t' tab. TAI tan TB TC TCA TCPA	T air temperature correction (altitude); table; temperature; time; toward (altitude intercept); true (direction). dry-bulb temperature; elapsed time; meridian angle. wet-bulb temperature. table. International Atomic Time. tangent. true bearing; turning bearing; air temperature atmospheric pressure correction (altitude). true course. time of satellite closest approach. time to closest point of approach.
RLG rm R Mast RORO ROT RML RMS RNC RSS RTCM Rx RZn	ring laser gyro. relative DRM-SRM vector. radio mast. roll-on/roll-off. Rate of Turn. relative movement line. root mean square. raster navigation chart. root sum square. Radio Technical Commission for Maritime Services. reception. relative azimuth. S second(s). sea-air temperature difference correc-	T t t' tab. TAI tan TB TC TCA TCPA TcHHW	T air temperature correction (altitude); table; temperature; time; toward (altitude intercept); true (direction). dry-bulb temperature; elapsed time; meridian angle. wet-bulb temperature. table. International Atomic Time. tangent. true bearing; turning bearing; air temperature atmospheric pressure correction (altitude). true course. time of satellite closest approach. time to closest point of approach. tropic higher high water.
RLG rm R Mast RORO ROT RML RMS RNC RSS RTCM Rx RZn	ring laser gyro. relative DRM-SRM vector. radio mast. roll-on/roll-off. Rate of Turn. relative movement line. root mean square. raster navigation chart. root sum square. Radio Technical Commission for Maritime Services. reception. relative azimuth. S second(s). sea-air temperature difference correction; slow; south; set; speed; sand.	t t t' tab. TAI tan TB TC TCA TCPA TcHHW TcHHWI	T air temperature correction (altitude); table; temperature; time; toward (altitude intercept); true (direction). dry-bulb temperature; elapsed time; meridian angle. wet-bulb temperature. table. International Atomic Time. tangent. true bearing; turning bearing; air temperature atmospheric pressure correction (altitude). true course. time of satellite closest approach. time to closest point of approach. tropic higher high water. tropic higher high water interval.
RLG rm R Mast RORO ROT RML RMS RNC RSS RTCM Rx RZn	ring laser gyro. relative DRM-SRM vector. radio mast. roll-on/roll-off. Rate of Turn. relative movement line. root mean square. raster navigation chart. root sum square. Radio Technical Commission for Maritime Services. reception. relative azimuth. S second(s). sea-air temperature difference correction; slow; south; set; speed; sand. Synthetic AIS.	t t t' tab. TAI tan TB TC TCA TCPA TcHHW TcHHWI TcHHWI TcHLW	T air temperature correction (altitude); table; temperature; time; toward (altitude intercept); true (direction). dry-bulb temperature; elapsed time; meridian angle. wet-bulb temperature. table. International Atomic Time. tangent. true bearing; turning bearing; air temperature atmospheric pressure correction (altitude). true course. time of satellite closest approach. time to closest point of approach. tropic higher high water. tropic higher low water.
RLG rm R Mast RORO ROT RML RMS RNC RSS RTCM Rx RZn	ring laser gyro. relative DRM-SRM vector. radio mast. roll-on/roll-off. Rate of Turn. relative movement line. root mean square. raster navigation chart. root sum square. Radio Technical Commission for Maritime Services. reception. relative azimuth. S second(s). sea-air temperature difference correction; slow; south; set; speed; sand. Synthetic AIS. single anchor leg mooring.	t t t' tab. TAI tan TB TC TCA TCPA TcHHW TcHHWI	T air temperature correction (altitude); table; temperature; time; toward (altitude intercept); true (direction). dry-bulb temperature; elapsed time; meridian angle. wet-bulb temperature. table. International Atomic Time. tangent. true bearing; turning bearing; air temperature atmospheric pressure correction (altitude). true course. time of satellite closest approach. time to closest point of approach. tropic higher high water. tropic higher high water interval.
RLG rm R Mast RORO ROT RML RMS RNC RSS RTCM Rx RZn s S S SAIS SALM SAM	ring laser gyro. relative DRM-SRM vector. radio mast. roll-on/roll-off. Rate of Turn. relative movement line. root mean square. raster navigation chart. root sum square. Radio Technical Commission for Maritime Services. reception. relative azimuth. S second(s). sea-air temperature difference correction; slow; south; set; speed; sand. Synthetic AIS. single anchor leg mooring. system area monitor.	T t t' tab. TAI tan TB TC TCA TCPA TcHHW TcHHWI TcHLW TcLHW TcLHW	T air temperature correction (altitude); table; temperature; time; toward (altitude intercept); true (direction). dry-bulb temperature; elapsed time; meridian angle. wet-bulb temperature. table. International Atomic Time. tangent. true bearing; turning bearing; air temperature atmospheric pressure correction (altitude). true course. time of satellite closest approach. time to closest point of approach. tropic higher high water. tropic higher low water. tropic lower high water. tropic lower low water.
RLG rm R Mast RORO ROT RML RMS RNC RSS RTCM Rx RZn s S S SAIS SALM SAM SAM SAR SART SBM	ring laser gyro. relative DRM-SRM vector. radio mast. roll-on/roll-off. Rate of Turn. relative movement line. root mean square. raster navigation chart. root sum square. Radio Technical Commission for Maritime Services. reception. relative azimuth. S second(s). sea-air temperature difference correction; slow; south; set; speed; sand. Synthetic AIS. single anchor leg mooring. system area monitor. search and rescue. search and rescue radar transponder. single buoy mooring.	T t t' tab. TAI tan TB TC TCA TCPA TcHHW TcHHWI TcHLW TcLHW TcLLW TcLLWI	T air temperature correction (altitude); table; temperature; time; toward (altitude intercept); true (direction). dry-bulb temperature; elapsed time; meridian angle. wet-bulb temperature. table. International Atomic Time. tangent. true bearing; turning bearing; air temperature atmospheric pressure correction (altitude). true course. time of satellite closest approach. time to closest point of approach. tropic higher high water. tropic higher low water. tropic lower low water. tropic lower low water interval.
RLG rm R Mast RORO ROT RML RMS RNC RSS RTCM Rx RZn s S S SAIS SALM SAM SAM SAR SART SBM SCP	ring laser gyro. relative DRM-SRM vector. radio mast. roll-on/roll-off. Rate of Turn. relative movement line. root mean square. raster navigation chart. root sum square. Radio Technical Commission for Maritime Services. reception. relative azimuth. S second(s). sea-air temperature difference correction; slow; south; set; speed; sand. Synthetic AIS. single anchor leg mooring. system area monitor. search and rescue. search and rescue radar transponder. single buoy mooring. SafetyNET Coordinating Panel.	t t t' tab. TAI tan TB TC TCA TCPA TcHHW TcHHWI TcHLW TcLHW TcLLW TcLLWI TD	T air temperature correction (altitude); table; temperature; time; toward (altitude intercept); true (direction). dry-bulb temperature; elapsed time; meridian angle. wet-bulb temperature. table. International Atomic Time. tangent. true bearing; turning bearing; air temperature atmospheric pressure correction (altitude). true course. time of satellite closest approach. time to closest point of approach. tropic higher high water. tropic higher low water. tropic lower low water. tropic lower low water interval. time difference (Loran C).
RLG rm R Mast RORO ROT RML RMS RNC RSS RTCM Rx RZn s S S SAIS SALM SAM SAM SAR SART SBM	ring laser gyro. relative DRM-SRM vector. radio mast. roll-on/roll-off. Rate of Turn. relative movement line. root mean square. raster navigation chart. root sum square. Radio Technical Commission for Maritime Services. reception. relative azimuth. S second(s). sea-air temperature difference correction; slow; south; set; speed; sand. Synthetic AIS. single anchor leg mooring. system area monitor. search and rescue. search and rescue radar transponder. single buoy mooring.	T t t' tab. TAI tan TB TC TCA TCPA TcHHW TcHHWI TcHLW TcLHW TcLLW TcLLWI	T air temperature correction (altitude); table; temperature; time; toward (altitude intercept); true (direction). dry-bulb temperature; elapsed time; meridian angle. wet-bulb temperature. table. International Atomic Time. tangent. true bearing; turning bearing; air temperature atmospheric pressure correction (altitude). true course. time of satellite closest approach. time to closest point of approach. tropic higher high water. tropic higher low water. tropic lower low water. tropic lower low water interval.
RLG rm R Mast RORO ROT RML RMS RNC RSS RTCM Rx RZn s S S SAIS SALM SAM SAM SAR SART SBM SCP	ring laser gyro. relative DRM-SRM vector. radio mast. roll-on/roll-off. Rate of Turn. relative movement line. root mean square. raster navigation chart. root sum square. Radio Technical Commission for Maritime Services. reception. relative azimuth. S second(s). sea-air temperature difference correction; slow; south; set; speed; sand. Synthetic AIS. single anchor leg mooring. system area monitor. search and rescue. search and rescue radar transponder. single buoy mooring. SafetyNET Coordinating Panel.	t t t' tab. TAI tan TB TC TCA TCPA TcHHW TcHHWI TcHLW TcLHW TcLLW TcLLWI TD	T air temperature correction (altitude); table; temperature; time; toward (altitude intercept); true (direction). dry-bulb temperature; elapsed time; meridian angle. wet-bulb temperature. table. International Atomic Time. tangent. true bearing; turning bearing; air temperature atmospheric pressure correction (altitude). true course. time of satellite closest approach. time to closest point of approach. tropic higher high water. tropic higher low water. tropic lower low water. tropic lower low water interval. time difference (Loran C).

TG	time difference of groundwaves from master and secondary (slave) stations (Loran).	VDE VDES VDU	VHF Data Exchange. VHF Data Exchange System. Vector Product Format Database Update.
TGS	time difference of groundwave from	VDL	VHF Data Link.
	master and skywave from secondary	vel	velocity.
	(slave) station (Loran).	Ver	vertical.
TH	true heading.	VHF	very high frequency.
TMG	track made good.	VHSD	very high speed data.
TOD	time of day (clock), Tactical Ocean Data	Vi	violet.
Tk	tank.	VLCC	very large crude carrier.
TR	track.	VLF	very low frequency.
Tr	transit; tower.	VMS	Voyage Management System.
TRANSCOM	U.S. Transportation Command.	VPF	vector product format.
Ts	time difference of skywaves from master	vol	volcano; volcanic.
TCC	and secondary (slave) stations (Loran).	VPF	vector product format.
TSG	time difference of skywave from master and groundwave from secondary (slave)	V.Q. V.Q.(3)	very quick flashing. group very quick flashing.
	station (Loran).	V.Q.(3) VRM	variable range marker.
TSS	traffic separation scheme.	VTS	vessel traffic service.
TZn	true azimuth.	V 15	vesser traffic service.
12.11	true uzimum.		\mathbf{W}
	${f U}$		**
	_	W	west; white.
U	upper limb correction for moon.	W WARC	World Administrative Radio Council.
UHF	ultra high frequency.	WE	watch error.
UK	United Kingdom.	WG	Working Group.
UL	upper limb.	WGS	World Geodetic System.
Uncov	uncovers.	Wk	wreck.
UPS	Universal Polar Stereographic.	WMO	World Meteorological Organization.
U.Q.	ultra quick flashing.	WPI	World Port Index.
USGS	United States Geodetic Survey.	WT	watch time.
U.S. Sur M	U.S. Survey mile(s).	WTS	Worldwide Threat to Shipping.
USWMS	Uniform State Waterway Marking Sys-	WWNWS	World Wide Navigational Warning Ser-
	tem.		vice.
UT	Universal Time.		
UT0	Universal Time 0.		X - Y - Z
UTI	Universal Time 1.		
UT2	Universal Time 2.	X	parallactic angle.
UTC	Coordinated Universal Time or Univer-	XMTR	transmitter.
UTM	sal Time Coordinated.	y.	yellow.
UTIVI	Universal Transverse Mercator.	yd(s).	yard(s).
	▼ 7	yr(s).	year(s).
	${f V}$	Z	zenith distance.
		Z	azimuth angle; zenith; Zulu.
V	variation; vertex.	ZD	zone description.
v	excess of GHA change from adopted val-	Z Diff.	azimuth angle difference.
	ue for 1 hour.	Zn	azimuth.
VAIS.	Virtual AIS.	Znpgc	azimuth per gyrocompass.
var.	variation.	ZOC	Zones of Confidence.