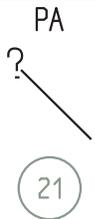


B Positions, Distances, Directions, Compass

No.	INT	Description	NOAA	NGA	Other NGA	ECDIS	
Geographical Positions							
1	Lat	Latitude					
2	Long	Longitude					
3		International Meridian (Greenwich)					
4	°	Degree(s)					
5	'	Minute(s) of arc					
6	"	Second(s) of arc					
7	PA	Position approximate (not accurately determined or does not remain fixed)	PA	(PA)			Position approximate Point feature or area of low accuracy Sounding of low accuracy
8	PD	Position doubtful (reported in various positions)	PD	(PD)			Point feature or area of low accuracy Sounding of low accuracy
9	N	North					
10	E	East					
11	S	South					
12	W	West					
13	NE	Northeast					
14	SE	Southeast					
15	NW	Northwest					
16	SW	Southwest					

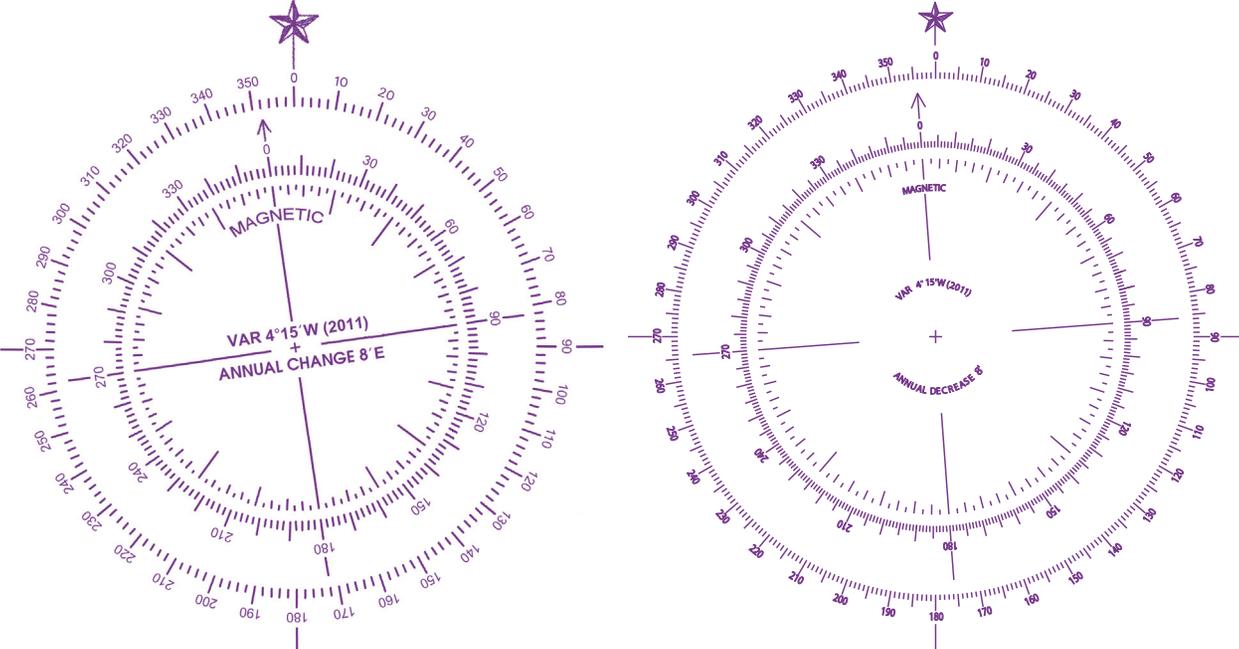
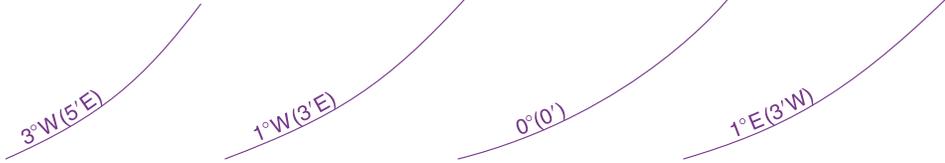
Positions, Distances, Directions, Compass

B

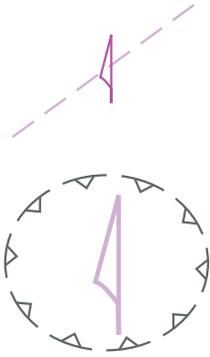
No.	INT	Description	NOAA	NGA	Other NGA	ECDIS
Control Points						
20		Triangulation point				
21		Observation spot		Obs Spot		
22		Fixed point				
23		Benchmark		BM		
24		Boundary mark		Bdy Mon		
25.1		Distance along waterway, no visible marker				
25.2		Distance along waterway with visible marker				
Note: ECDIS uses a magenta "km" symbol to represent distance marks. However, the distances shown along waterways on NOAA-produced ENC's are displayed in statute miles.						
Symbolized Positions (Examples)						
30		Symbols in plan: position is center of primary symbol				ECDIS follows the paper chart convention for the position of symbols, except for simplified symbols for buoys and beacons (see Q 1).
31		Symbols in profile: position is at bottom of symbol				
32		Point symbols: accurate positions		MAST		
33		Point symbol: approximate position		Mast		ECDIS indicates approximate position only for wrecks, obstructions, islets and shoreline features.
Units						
Supplementary national symbols: a-m						
40	km	Kilometer(s)				
41	m	Meter(s)				
42	dm	Decimeter(s)				
43	cm	Centimeter(s)				
44	mm	Millimeter(s)				
45	M	International nautical mile(s) (1852m), sea mile(s)		Mi NMi NM		
46		Cable(s) (0.1M)		cbl		

B Positions, Distances, Directions, Compass

No.	INT	Description	NOAA	NGA	Other NGA	ECDIS
47	ft	Foot/Feet				
48		Fathom(s)		fm		
49	h	Hour(s)		hr		
50	m min	Minute(s) of time				
51	s sec	Second(s) of time				
52	kn	Knot(s)				
53	t	Ton(s), Tonnage (weight)				
54	cd	Candela(s)				
Magnetic Compass						Supplementary national symbols: n
60		Variation		var VAR		Varn Magnetic variation
61		Magnetic		mag		
62		Bearing		brg		
63		True		T		
64		Decreasing				
65		Increasing				
66		Annual change				
67		Deviation		dev		
68.1	Magnetic Variation 4°30' W 2011 (8' E)	Note of magnetic variation, in position				 Cursor pick site for magnetic variation at a point  Cursor pick site for magnetic variation over an area
68.2	Magnetic Variation at 55°N 8°W 4°30' W 2011 (8' E)	Note of magnetic variation, out of position				

No.	NOAA / NGA	ECDIS	
70	<p>Compass rose, normal pattern (smaller patterns of compass rose may be used)</p> <p>Magnetic variation (example): VAR 4°15'W (2011) means magnetic variation was 4°15'W in 2011 ANNUAL DECREASE 8' means annual change is 8'E or decreasing 8' annually For 2012 the magnetic variation is 4°7'W</p> 		<p>Cursor pick site for magnetic variation at a point</p>
71	<p>Isogonic lines, Isogonals</p> <p>MAGNETIC VARIATION LINES ARE FOR 2011 The magnetic variation is shown in degrees, followed by the letter W or E, as appropriate, at certain positions on the lines. The annual change is expressed in minutes with the letter W or E and is given in brackets, immediately following the variation.</p> 	 <p>Varn - 3</p>	<p>Cursor pick site for magnetic variation along a line</p>

B Positions, Distances, Directions, Compass

No.	INT	Description	NOAA	NGA	Other NGA	ECDIS	
82.1		Local magnetic anomaly: Within the enclosed area the magnetic variation may deviate from the normal by the value shown					Cursor pick site for magnetic anomaly along a line or over an area
82.2	Local Magnetic Anomaly (see Note)	Local magnetic anomaly: Where the area affected cannot be easily defined, a legend only is shown at the position	LOCAL MAGNETIC DISTURBANCE (see note)	LOCAL MAGNETIC ANOMALY (see note)	LOCAL MAGNETIC DISTURBANCE (see note)		Cursor pick site for magnetic anomaly at a point
Supplementary National Symbols							
a		Square meter(s)		m ²			
b		Cubic meter(s)		m ³			
c		Inch(es)		in			
d		Yard(s)		yd			
e		Statute mile(s)		St M St Mi			
f		Microsecond(s)		μsec μs			
g		Hertz		Hz			
h		Kilohertz		kHz			
i		Megahertz		MHz			
j		Cycles/second		cps c/s			
k		Kilocycle(s)		kc			
l		Megacycle(s)		Mc			
m		Ton(s) (U.S. short ton) (2,000lbs)		T			
n		Degree(s)		deg			