

## GEN 2.3 CHART SYMBOLS

## 1. TOPOGRAPHY

1	Contours		8	Gravel		12	Highest elevation on chart	Alternative	<b>17456</b>
2	Approximate contours		9	Levee or esker					<b>.17456</b>
3	Relief shown by hachures				Alternative				
4	Bluff, cliff or escarpment		10	Unusual land features appropriately labelled		13	Spot elevation		<b>.6397</b> <b>.8975</b>
5	Lava flow					14	Spot elevation (of doubtful accuracy)		<b>.6370±</b>
6	Sand dunes			Active volcano		15	Coniferous trees		
7	Sand area		11	Mountain pass		16	Other trees		
18	Areas not surveyed for contour information or relief data incomplete								Caution

## 2. HYDROGRAPHY

19	Shore line (reliable)		30	Abandoned canal <i>Note.— Dry canal having landmark value.</i>		38	Reservoir	
20	Shore line (unreliable)		31	Lakes (perennial)		39	Dry lake bed	Alternative 
21	Tidal flats		32	Lakes (non-perennial)	Alternative 	40	Wash	Alternative 
22	Coral reefs and ledges		33	Salt lake		41	Shoals	
23	Large river (perennial)		34	Salt pans (evaporator)		42	Glaciers and ice caps	
24	Small river (perennial)		35	Swamp		43	Danger line (2 m or one fathom line)	
25	Rivers and streams (non-perennial)	Alternative 	36	Rice field	Alternative 	44	Charted isolated rock	
26	Rivers and streams (unsurveyed)		37	Spring, well or water hole	perennial 	45	Rock awash	
27	Rapids				intermittent 	46	Unusual water features appropriately labelled	
28	Falls							
29	Canal							

### 3. CULTURE

#### BUILT-UP AREAS

47	City or large town	
48	Town	
49	Village	
50	Buildings	

#### HIGHWAYS AND ROADS

57	Dual highway	
58	Primary road	
59	Secondary road	
60	Trail	
61	Road bridge	
62	Road tunnel	

#### MISCELLANEOUS (Cont.)

69	Pipeline	
70	Oil or gas field	
71	Tank farms	
72	Nuclear power station	
73	Coast guard station	
74	Lookout tower	
75	Mine	
76	Forest ranger station	
77	Race track or stadium	
78	Ruins	
79	Fort	
80	Church	
81	Mosque	
82	Pagoda	
83	Temple	

#### RAILROADS

51	Railroad (single track)	
52	Railroad (two or more tracks)	
53	Railroad (under construction)	
54	Railroad bridge	
55	Railroad tunnel	
56	Railroad station	

#### MISCELLANEOUS

63	Boundaries (international)	
64	Outer boundaries	
65	Fence	
66	Telegraph or telephone line (when a landmark)	
67	Dam	
68	Ferry	

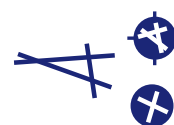
### 4. AERODROMES

84	Civil	Land	
85	Civil	Water	
86	Military	Land	
87	Military	Water	

88	Joint civil and military	Land	
89	Joint civil and military	Water	
90	Emergency aerodrome or aerodrome with no facilities		
91	Abandoned or closed aerodrome		

92	Sheltered anchorage	
93	Aerodrome for use on charts on which aerodrome classification is not required e.g. Enroute Charts	
94	Heliport Note.— Aerodrome for the exclusive use of helicopters	

95 Note.— Where required by the function of the chart, the runway pattern of the aerodrome may be shown in lieu of the aerodrome symbol, for example:



## 5. AERODROME DATA IN ABBREVIATED FORM WHICH MAY BE IN ASSOCIATION WITH AERODROME SYMBOLS














96	<p>Elevation given in the units of measurement (metres or feet) selected for use on the chart</p> <p>Minimum lighting — obstacles, boundary or runway lights and lighted wind indicator or landing direction indicator</p> <p>Note.— A dash (—) is to be inserted where L or H do not apply.</p>	<p>Name of aerodrome</p> <p>Length of longest runway in hundreds of metres or feet (whichever unit is selected for use on the chart)</p> <p>Runway hard surfaced, normally all weather</p>

## 6. AERODROME SYMBOLS FOR APPROACH CHARTS

97	Aerodromes affecting the traffic pattern on the aerodrome on which the procedure is based	
98	The aerodrome on which the procedure is based	

## 7. RADIO NAVIGATION AIDS

99	Basic radio navigation aid symbol Note.— This symbol may be used with or without a box to enclose the data.			
100	Non-directional radio beacon	NDB		Electronic
101	VHF omnidirectional radio range	VOR		
102	Distance measuring equipment	DME		
103	Collocated VOR and DME radio navigation aids	VOR/DME		
104	DME distance	Distance in kilometres (nautical miles) to DME — 15 km Identification of radio navigation aid — KAV		
105	VOR radial	Radial bearing from, and identification of, VOR R 090 KAV		
106	UHF tactical air navigation aid	TACAN		
107	Collocated VOR and TACAN radio navigation aids	VORTAC		Electronic
108	Instrument landing system	ILS	<p>PLAN VIEW</p> <p>Electronic</p> <p>FRONT COURSE</p> <p>BACK COURSE</p> <p>PROFILE</p> <p>Electronic</p> <p>GLIDE PATH</p>	
109	Radio marker beacon	<p>Elliptical</p> <p>Bone Shape</p>	<p>Note.— Marker beacon may be shown by outline, or stipple, or both.</p>	

110	Compass rose To be orientated on the chart in accordance with the alignment of the station (normally Magnetic North)		Compass rose to be used as appropriate in combination with the following symbols:	<table><tr><td>VOR</td><td></td></tr><tr><td>VOR/DME</td><td></td></tr><tr><td>TACAN</td><td></td></tr><tr><td>VORTAC</td><td></td></tr></table>	VOR		VOR/DME		TACAN		VORTAC	
	VOR											
	VOR/DME											
	TACAN											
	VORTAC											
Note.— Additional points of compass may be added as required.												

8. AIR TRAFFIC SERVICES

111	Flight information region	FIR		
112	Aerodrome traffic zone	ATZ		
113	Control area Airway Controlled route	CTA AWY		Alternative 
114	Uncontrolled route			
115	Advisory airspace	ADA		
116	Control zone	CTR		
117	Air defence identification zone	ADIZ		
118	Advisory route	ADR		Alternative 
119	Visual flight path		compulsory with radio communication requirement	
			compulsory, without radio communication requirement	
			recommended	
120	Scale-break (on ATS route)			Alternative 
121	Reporting point	REP	Compulsory	On request
122	Change-over point	COP		
123	ATS/MET reporting point	MRP	Compulsory	On request
124	Waypoint WPT		Flyover WPT (also used for start point and end point of a controlled turn)	Fly-by WPT
125	Final approach fix	FAF		

126	Altitudes/flight levels	Altitude/flight level "window"		
		"At or above" altitude/flight level		
		"At or below" altitude/flight level		
		"Mandatory" altitude/flight level		
		"Recommended" procedure altitude/flight level		
		"Expected" altitude		
		Note.— For use only on SID and STAR charts. Not intended for depiction of minimum obstacle clearance altitude.		

## 9. AIRSPACE CLASSIFICATIONS

127	Airspace classifications		Aeronautical data in abbreviated form to be used in association with airspace classification symbols:
128	Alternative		

## 10. AIRSPACE RESTRICTIONS

129	Restricted airspace (prohibited, restricted or danger area)		Common boundary of two areas	
Note.— The angle and density of rulings may be varied according to scale and the size, shape and orientation of the area.				
130	International boundary closed to passage of aircraft except through air corridor			

## 11. OBSTACLES

131	Obstacle		135	Exceptionally high obstacle (optional symbol)	
132	Lighted obstacle		136	Exceptionally high obstacle - lighted (optional symbol)	
133	Group obstacles		Note.— For obstacles having a height of the order of 300 m (1 000 ft) above terrain.		
134	Lighted group obstacles		137		

## 12. MISCELLANEOUS

138	Prominent transmission line		139	Isogonic line or isogonal		140	Ocean station vessel (normal position)	
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## 13. VISUAL AIDS

141	Marine light Note 2.— Characteristics are to be indicated as follows:		<b>F</b> Alt B F Alternating Blue Fixed	Note 1.— Marine alternating lights are red and white unless otherwise indicated. Marine lights are white unless colours are stated.			
				<b>Fl</b> G Gp Flashing Green Group	<b>Occ</b> R SEC Occulting Red Sector	<b>sec</b> (U) W Second Unwatched White	
142	Aeronautical ground light			Electronic	143	Lightship	

## 14. SYMBOLS FOR AERODROME/HELIPORT CHARTS

144	Hard surface runway		153	Point light	
145	Pierced steel plank or steel mesh runway				
146	Unpaved runway		154	Obstacle light	
147	Stopway SWY		155	Landing direction indicator (lighted)	
148	Taxiways and parking areas		156	Landing direction indicator (unlighted)	
149	Helicopter alighting area on an aerodrome		157	Stop bar	
150	Aerodrome reference point		158	Runway-holding position Pattern A Pattern B	 
151	VOR check-point			Note.- For application, see Annex 14, Volume I, 5.2.10.	
152	Runway visual range (RVR) observation site		159	Intermediate holding position Note.- For application, see Annex 14, Volume I, 5.2.11.	
			160	Hot spot Note.- Hot spot location to be circled.	

## 15. SYMBOLS FOR AERODROME OBSTACLE CHARTS - TYPE A, B AND C

		Plan	Profile		Plan	Profile
161	Tree or shrub			166	Terrain penetrating obstacle plane	
162	Pole, tower, spire, antenna, etc.			167	Escarpment	
163	Building or large structure			168	Stopway SWY	
164	Railroad			169	Cleanway CWY	
165	Transmission line or overhead cable					

## 16. ADDITIONAL SYMBOLS FOR USE ON PAPER AND ELECTRONIC CHARTS

PLAN VIEW		Electronic
171	Minimum sector altitude <i>Note.— This symbol may be modified to reflect particular sector shapes.</i>	MSA
172	Terminal arrival altitude <i>Note.— This symbol may be modified to reflect particular TAA shapes.</i>	TAA
173	Holding pattern	
174	Missed approach track	

175	Runway	
176	Radio navigation aid (type of aid and its use in the procedure to be annotated on top of the symbol)	
177	Radio marker beacon (type of beacon to be annotated on top of the symbol)	
178	Collocated radio navigation aid and marker beacon (type of aid to be annotated on top of the symbol)	
179	DME fix (distance from DME and the fix use in the procedure to be annotated on top of the symbol)	
180	Collocated DME fix and marker beacon (distance from DME and the type of beacon to be annotated on top of the symbol)	

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