

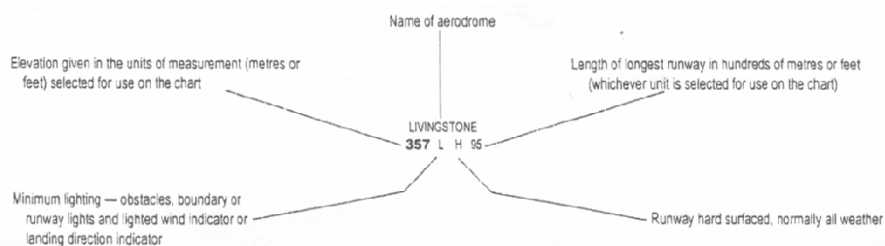
## GEN 2.3 ICAO CHART SYMBOLS

### TOPOGRAPHY

Contours		Gravel		Highest elevation on chart	17456
Approximate contours		Levee or esker		Spot elevation	.6397 .8975
Relief shown by hachures		Unusual land features appropriately labelled		Spot elevation (of doubtful accuracy)	.63702
Bluff, cliff or escarpment		Active volcano		Coniferous trees	
Lava flow		Mountain pass		Other trees	
Sand dunes				Palms	
Sand area					

### AREODROMES

Civil	Land		Joint civil and military	Land		Sheltered anchorage	
Civil	Water		Joint civil and military	Water		Aerodrome for use on charts on which aerodrome classification is not required e.g. Enroute Charts	
Military	Land		Emergency aerodrome or aerodrome with no facilities			Heliport Note — Aerodrome for the exclusive use of helicopters	
Military	Water		Abandoned or closed aerodrome				



Note — A dash (—) is to be inserted where L or H do not apply.

# AIR TRAFFIC SERVICES

Flight information region	FIR	
Aerodrome traffic zone	ATZ	
Control area	CTA	
Airway	AWY	
Controlled route		
Uncontrolled route		
Advisory airspace	ADA	
Control zone	CTR	
Air defence identification zone	ADIZ	
Advisory route	ADR	
Visual flight path		<div>compulsory with radio communication requirement </div> <div>compulsory, without radio communication requirement </div> <div>recommended </div>
Scale-break (on ATS route)		<div>Alternative </div> <div>Alternative </div>
Reporting point	REP	<div>Compulsory </div> <div>On request </div>
Change-over point	COP	
To be superimposed on the appropriate route symbol at right angles to the route		
ATS/MET reporting point	MRP	<div>Compulsory </div> <div>On request </div>
Waypoint	WPT	<div>Flyover WPT (also used for start point and end point of a controlled turn) </div> <div>Fly-by WPT </div>
Final approach fix	FAF	
Altitudes/flight levels		
Altitude/flight level "window"		<div>17 000</div> <div>10 000</div> <div>FL 220</div> <div>10 000</div>
"At or above" altitude/flight level		<div>7 000</div> <div>FL 70</div>
"At or below" altitude/flight level		<div>5 000</div> <div>FL 50</div>
"Mandatory" altitude/flight level		<div>3 000</div> <div>FL 30</div>
"Recommended" procedure altitude/flight level		<div>5 000</div> <div>FL 50</div>
"Expected" altitude		<div>Expect 5 000</div> <div>Expect FL 50</div>
Note.— For use only on SID and STAR charts. Not intended for depiction of minimum obstacle clearance altitude.		

## RADIO NAVIGATION AIDS

Basic radio navigation aid symbol <i>Note.— This symbol may be used with or without a box to enclose the data.</i>		
Non-directional radio beacon	NDB	
VHF omnidirectional radio range	VOR	
Distance measuring equipment	DME	
Collocated VOR and DME radio navigation aids	VOR/DME	
DME distance	Distance in kilometres (nautical miles) to DME — 15 km Identification of radio navigation aid — K A V	
VOR radial	Radial bearing from, and identification of, VOR R 090 K A V	
UHF tactical air navigation aid	TACAN	

Collocated VOR and TACAN radio navigation aids	VORTAC	
Instrument landing system	PLAN VIEW	
	Electronic	
	FRONT COURSE	
	BACK COURSE	
Radio marker beacon	PROFILE	
	Electronic	
Radio marker beacon	Elliptical	
	Bone Shape	

*Note.— Marker beacon may be shown by outline, or stipple, or both.*

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:
<i>Note.— Additional points of compass may be added as required.</i>		
VOR		
VOR/DME		
TACAN		
VORTAC		

## AIRSPACE RESTRICTIONS

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

## CULTURE

### BUILT-UP AREAS

City or large town	
Town	
Village	
Buildings	

### HIGHWAYS AND ROADS

Dual highway	
Primary road	
Secondary road	
Trail	
Road bridge	
Road tunnel	

### MISCELLANEOUS

Boundaries (international)	
Outer boundaries	
Fence	
Telegraph or telephone line (when a landmark)	
Dam	
Ferry	
Pipeline	
Oil or gas field	
Tank farms	
Nuclear power station	
Coast guard station	
Lookout tower	
Mine	
Forest ranger station	
Race track or stadium	
Ruins	
Fort	
Church	
Mosque	
Pagoda	
Temple	

### RAILROADS

Railroad (single track)	
Railroad (two or more tracks)	
Railroad (under construction)	
Railroad bridge	
Railroad tunnel	
Railroad station	

### SYMBOLS FOR AERODROME CHARTS

Hard surface runway		Pierced steel plank or steel mesh runway	
Unpaved runway		Point light	
Stopway SWY			
Taxiways and parking areas		Obstacle light	
Helicopter alighting area on an aerodrome		Landing direction indicator (lighted)	
Aerodrome reference point ARP		Landing direction indicator (unlighted)	
VOR check-point		Stop bar	
Runway visual range (RVR) observation site		Runway-holding position	<div>Pattern A</div> <div>Pattern B</div>

*Note.— For application, see Annex 14, Volume I, paragraph 5.2.10.*

### SYMBOLS FOR AERODROME OBSTACLE CHARTS – TYPE A, B, AND C

	Plan	Profile
Tree or shrub		
Pole, tower, spire, antenna, etc.		
Building or large structure		
Railroad		
Transmission line or overhead cable		
	Plan	Profile
Terrain penetrating obstacle plane		
Escarpment		
Stopway SWY		
Clearway CWY		

### OBSTACLES

Obstacle		Exceptionally high obstacle (optional symbol)	
Lighted obstacle		Exceptionally high obstacle - lighted (optional symbol)	
Group obstacles		<i>Note.— For obstacles having a height of the order of 300 m (1 000 ft) above terrain.</i>	
Lighted group obstacles		<div> Elevation of top (italics) →  </div> <div> Height above specified datum (upright type in parentheses) →  </div>	