GEN 2.3 CHART SYMBOLS

TOPOGRAPHY

1	Contours	
2	Approximate contours	12:300
3	Relief shown by hachures	0
4	Bluff, cliff or escarpment	mmm
5		ESTIR
5	Lava flow	Et Es
6	Sand dunes	

	TOI OOKAI III		
8	Gravel		
9	Alter		411117777777
9	Levee or esker	native	***********
	Unusual land features		Many Small Volunces
10	appropriately labelle	ppropriately labelled	
	Active volcano		<u> </u>
11	Mountain pass).(5395

Highest elevation on		Alterr	17456
12	chart ative	Alternative	.17456
13	Spot elevation	.6397 .8975	
14	Spot elevation (of doul accuracy)	.6370±	
15	Coniferous trees	A-17A 242.41	
16	Other trees		
17	Palms	7 T T	

Areas not surveyed for contour information or relief data incomplete

Caution

HYDROGRAPHY

19	Shore line(reliable	20	
20	Shore line(unrelia	~~	
21	Tidal flats		
22	Coral reefs and	ledges	to add the Control
23	Large river(perer	nnial)	1
24	Small river(perennial)		4
25	Rivers and streams (non-perennial)	Alternative	2000
26	Rivers and streams (unsurveyed)		
27	Rapids		
28	Falls		
29	Canal		

30	Abandoned canal Note.—Dry canal having landmark value.			
31	Lakes (peren	nial)		9
32	Lakes		Alternative	
32	32 Lakes (non-perennial)		native	
33	Salt lake			
34	Salt pans(evaporator)			
35	Swamp			all all
26	Pigg field		Alteri	
30	Rice field		\lternative	alle alle
37	Spring, well or	perer	nial	•
31	water hole	intermi	ttent	0

38	Reservoir		Reservoir
39	Dry lake bed	Alter	0
33	Dry lake bed	Alternative	0
40	Alter		7.5
40	Wash	Alternative	37
41	Shoals		
42	Glaciers and ice caps	Military Control	
43	Danger line (2 m or one fathom line)	⊕	
44	Charted isolated rock	+	
45	Rock awash	H	
46	Unusual water feature appropriately labelled	(Covered Reel	

Culture

BUILT-UP AREAS

47	City or large town	
48	Town	0
49	Village	0
50	Buildings	

HIWAYS AND ROADS

57	Dual highway	====
58	Primary road	
59	Secondary road	
60	Trail	
61	Road bridge	
62	Road Tunnel	→←

MISCELLANEOUS (Cont.)

69	Pipeline	Pipeline
70	Oil or gas field	A
71	Tank farms	
72	Nuclear power station	*
73	Coast guard station	+
74	Lookout tower	(A)
75	Mine	⊗
76	Forest ranger station	<u> </u>
77	Race track stadium	
78	Ruins	*
79	Fort	Д
80	Church	ţ
81	Mosque	X
82	Pagoda	ţ
83	Temple	血

RAILROADS

51	Railroad (single track)	
52	Railroad (two or more tracks)	===
53	Railroad (under construction)	++
54	Railroad bridge	<u></u>
55	Railroad tunnel) (
56	Railroad station	+=+

MISCELLANEOUS

63	Boundaries (international)	—
64	Outer boundary	
65	Fence	xx-x
66	Telegraph or telephone line (when a landmark)	- тт-
67	Dam	
68	Ferry	J0/

AERODROMES

84	1	Civil	Land	\Diamond
85	5	Civil	Water	(
86	6	Military	Land	0
87	7	Military	Water	

95

88	Joint Civil and military	Land	\rightarrow
89	Joint Civil and military	(
90	Emergency aerodrome or aerodrome with facilities	0	
91	Abandoned o	\otimes	

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

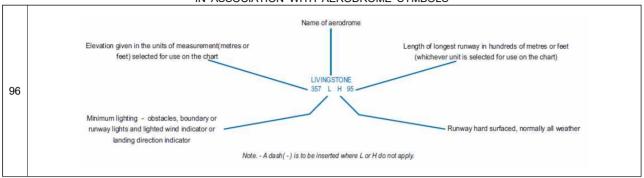
Note

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:



AERODROMES (Cont.)

AERODROME DATA IN ABBREVIATED FORM WHICH MAY BE IN ASSOCIATION WITH AERODROME SYMBOLS



AERODROME SYMBOLS FOR APPROACH CHARTS

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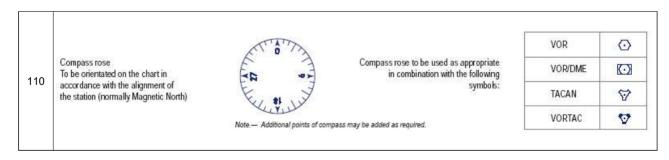




RADIO NAVIGATION AIDS*

99	Basic radio naviga Note. This symbol without a box to e	used with or	•	
100	Non-directional rad	lio	NDB	
101	VHF omnidirectional radio range		VOR	·
102	Distance measurin	g	DME	•
103	Collocated VOR and DME radio navigation aids DME distance		VOR/DME	\odot
104			Distance in kilometres (nautical miles) to DME — 15 km Identification of KAV radio navigation aid	
105	VOR radial	an	Radial bearing from, d identification of, VOR	R 090 KAV
106	UHF tactical air navi	♡		

IIOIV /				
	Collocated VOR			
107	and TACAN radio	VORTAC	₩.	
	navigation aids			
	_	PLAN VIEW	В	
		-manual III	ennannini.	
		Electronic		
	Instrument	FRONT	COURSE	
108	landing system ILS	T.KOMY.		
100	landing system illo	PLOY GOLDON		
		BACK COURSE PROFILE		
		PROFILE		
			and the second s	
		Electronic		
		GLIDE PATH		
	Radio marker	Elliptical		
109	beacon		V-202	
109		Bone Shape		
	Note. Marker beaco.	n may be showr	by outline or	
			,,	
	stipple, or both.			



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13 JAN 2022

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	Controled zone	CTR	

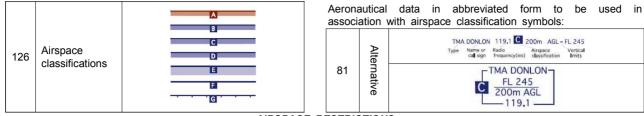
117	Air defence zone	identification	ADIZ	<u>-00</u>	ADIZ
118	Advisory rou	ute	ADR	Alternative	
		compulsory wiradio commun requirement		····· ® ····	
119	Visual flight path	compulsory, w radio commun requirement			··· ® ·····
		requirement recommended		••	
120	Scale-break		Alt	_	w
120	(on ATS route)		Altern ative	_	

			for conv	oint depiction rentional pation	Significant point depiction for area navigation				
		REPORTING FLY-BY/FLY-OVER	On request (N/A)	Compulsory (N/A)	On request fly-by	Compulsory fly-by	On request flyover	Compulsory flyover	
		VFR reporting point	Δ	A	Δ	A			
	Basic Symbols with functionality	Intersection INT	Δ	A	Δ	A	Δ		
		VORTAC	•	₩	•	₩	•	•	
121		TACAN	♡	*	♡	*	\bigcirc	*	
		VOR	<u></u>	•	⊙	•	0		
		VOR/DME	$\overline{(\cdot)}$		$\overline{(\cdot)}$				
		NDB		(*)		(*)			
		Waypoint WPT	Not used	Not used	\Diamond	*	\bigcirc	(

	Change-over point						Compulsory				
122	To be superimposed on the appropriate route symbol at right angles to the route	COP	36	123	AIS/MET reporting point	MRP	On request	124	Final approach fix	FAF	*

		Altitude/flight level "window"	17 000 10 000	FL 220 10 000
		"At or above" altitude/flight level	7 000	FL 070
	Altitudes/flight levels	"At or below" altitude/flight level	5 000	FL 050
125	Attitudes/liight levels	"Mandatory" altitude/flight level	3 000	FL 030
		"Recommended" procedure altitude/flight level	5 000	FL 050
		"Expected" altitude	Expect 5 000	Expect FL 050
	Note. For use only on SID and STAR cha	earance altitud	de.	

AIRSPACE CLASSIFICATIONS



AIRSPACE RESTRICTIONS

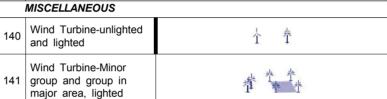
120	Restricted airspace (prohibited, restricted or danger area)		Common boundary		
120	Note. The angle and density of rulings area.	may be varied acc	ording to scale and	d the size, shape and	d orientation of the
129	International boundary closed to passag	e of aircraft except t	hrough air corridor		<i>'44441</i> 3- 4 4444

OBSTACLES

	Group obstacles	/M Ž/Š	136	
	Group obstacles	ΔΛ	126	
132 G				
131 L	ighted obstacle	*	135	Exceptionally high Note. For obstacl of 300 m (1 000
130 C	Obstacle	Δ	134	Exceptionally high

134	Exceptionally high obstacle (optional symbol)	k
135	Exceptionally high obstacle-lighted (optional symbol) Note. For obstacles having a height of the order of 300 m (1 000 ft) above terrain.	*
136	Elevation of top (falics) 52 Height above specified dat (upright type in parenthese	

137 Prominent transmission line 138 Isogonic line or isogonal 139 Ocean station vessel (normal position)



VISUAL AIDS

142			F •		Note 1. Marine alternating lights are red otherwise indicated. Marine lights colours are stated.						white white	unless unless
142	Marine light Note 2. Characteristics are to indicated as follows:	be De		Alternating Blue Fixed		Fl Flashing G Green Gp Group		Occ Occulti R Red SEC Sector	ng		sec Second (U) Unwatch W White	ned
143	Aeronautical ground light	*		Electronic	144	Lightship					*	

SYMBOLS FOR AERODROME/HELIPORT CHARTS

145	Hard surface runway	
146	Pierced steel plank or steel mesh runway	
147	Unpaved runway	133233233
148	Stopway SWY	
149	Taxiways and parking areas	
150	Helicopter alighting area on an aerodrome	H
151	Aerodrome reference point	-
152	VOR check-point	•
153	Runway visual range (RVR) observation site	\Diamond

154	Point light	•				
155	Obstacle light		米			
156	Landing direction in	ndicator (lighted)	Ţ			
157	Landing direction in	Т				
158	Stop bar	•••				
	Runway-holding	Pattern A	===			
159	position	Pattern B	ШШ			
	Note. For applicatio	Volume I, 5.2.10.				
160	Intermediate holding Note. For application Volume I, 5.2.					
161	Hot spot Note. Hot spot loca	ation to be circled.	0			

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

		Plan	Profile
162	Tree or shrub	*	
163	Pole, tower, spire, antenna, etc.	٥	Identification number
164	Building or large structure	-	
165	Railroad	+	'
166	Transmission line or overhead cable	- т - -т-	

		Plan	Profile			
167	Terrain penetrating obstacle plane					
168	Escarpment	***************************************				
169	Stopway]::::				
170	Clearway	1				

ADDITIONAL SYMBOLS FOR USE ON PAPER AND ELECTRONIC CHARTS

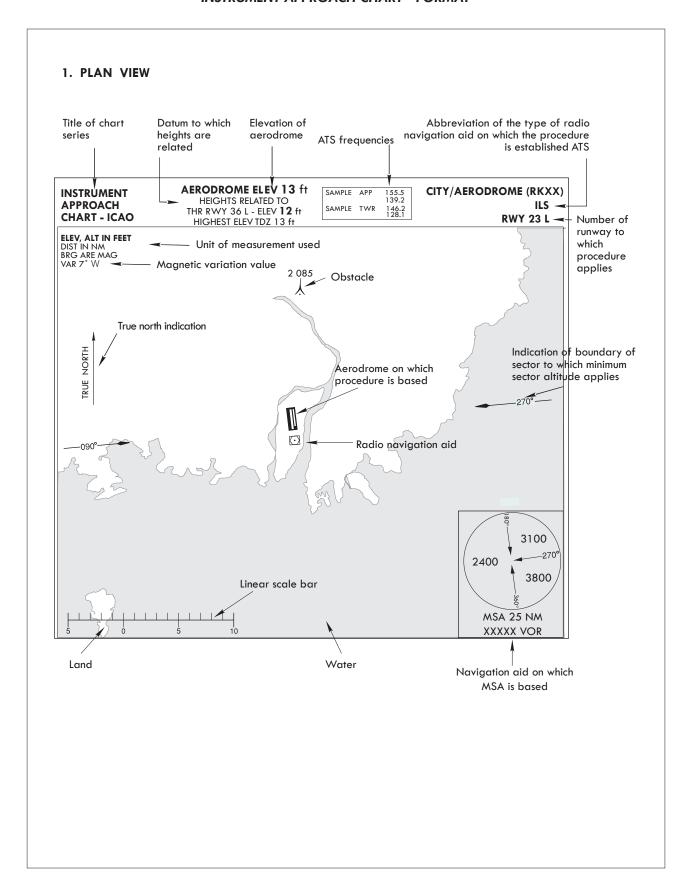
PLAN VIEW Electronic

171	Minimum sector altitude MSA Note. This symbol may be modified to reflect particular sector shapes.	08000 \$10.500 8100 \$370 MSA \$600 OED VOR
172	Terminal arrival altitude TAA Note. This symbol may be modified to reflect particular TAA shapes.	5 7000 25 NM 10 COM 10
173	Holding pattern	
174	Missed approach track	>

PROFILE

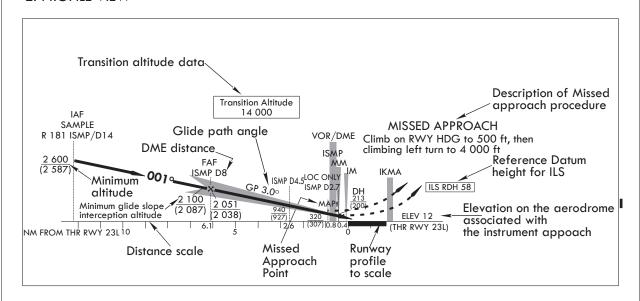
175	Runway	
176	Radio navigation aid (type of aid and its use in the procedure to be annotated on top of the symbol)	
177	Radio marker beacon (type of beacon to be annotated on top of the symbol)	
178	Collocated radio navigation aid and marker beacon (type of aid to be annotated on top of the symbol)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

INSTRUMENT APPROACH CHART - FORMAT



INSTRUMENT APPROACH CHART - FORMAT(Cont)

2. PROFILE VIEW



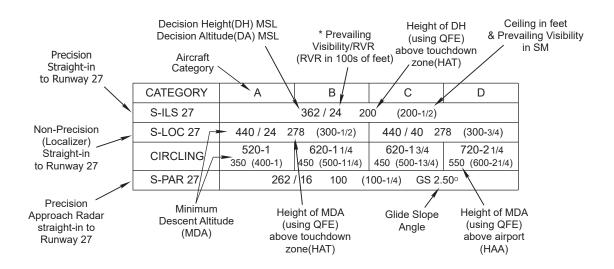
3. AERODROME OPERATING MINIMA

- a. MDA/MDH and, DH/DA are shown in feet.
- b. RVR visibility values are charted only when the value is not the same as the prevailing visibility value. When a difference occurs, the respective RVR and prevailing visibility values are prefixed with "RVR" and "VIS". When there is no difference, the minimum is shown only once and means either RVR (if RVR is reported for that runway) or visibility if measured otherwise.
 - When RVR and visibility values are the same, it is indicated as "800 m".
 - When RVR and visibility values are not the same, it is indicated as "RVR 800 m VIS 1 600 m".

—

IFR LANDING MINIMA - for FAA format

* Aaerodrome operating minima for joint civil/military aerodrome and military aerodrome is tabulated as follows:



^{*} Slash(/) denotes RVR Values and a dash(-) denotes Prevailing Visibility.

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Aerodrome Operation Minima CONVERSION CHART

CEILING

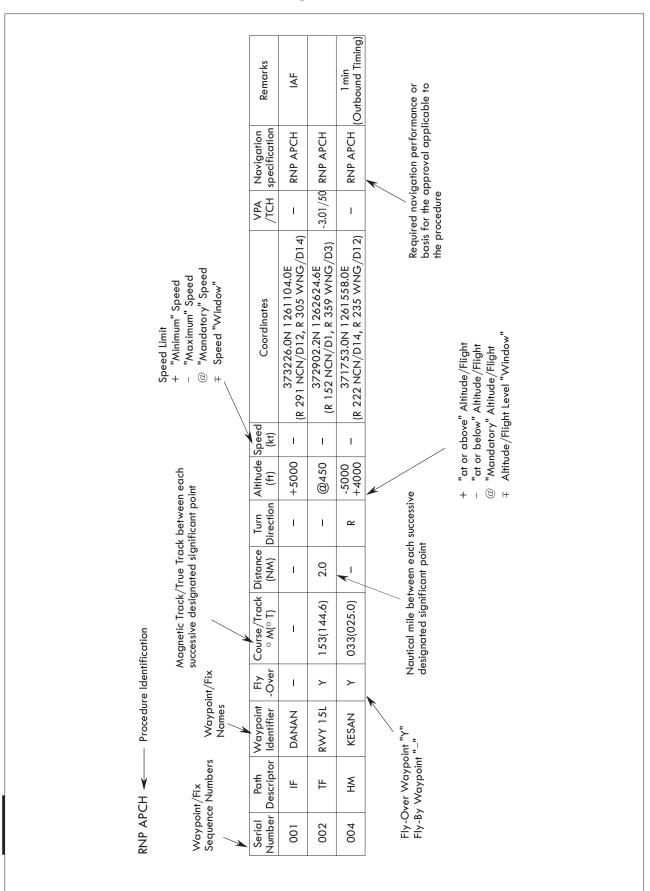
RUNWAY VISIBILITY

PUBLISHE MINIMA FEET	EQU	QUIRED IVALENT ETERS	RVR VALUES PUBLISHED IN HUNDREDS OF FEET		STATUTE MILE EQUIVALENT	NAUTICAL MILE EQUIVALENT		METERS EQUIVALENT	OMETERS JIVALENT
100 200		30 60	12		1/4(Helicopter Only)		2/10 ··	370	 .4
300		90	16		1/4		2/10	490	 .5
400		120	20		3/8		3/10 ··	610	 .6
500		150	24		1/2		4/10	730	 .7
600		180	32		5/8		6/10 ··	970	 1.0
700		210	40		3/4		7/10	1 220	 1.2
800		240	45		7/8		8/10 ··	1 370	 1.4
900		270	50		1		9/10	1 520	 1.5
1 000		300	60		1-1/4		1-1/10	1 830	 1.8
1 100		330							
1 200		360							
1 300		390							
1 400		420							
1 500		450							

PREVAILING VISIBILITY

	STATUTE NAUTICAL MILES MILES		METERS	KIL	OMETERS	STATU MILE	NAUTICAL MILES	. <u>-</u>	METERS	KI	LOMETERS	
1/8		1/10		200		.2	1-3/4	 1-5/10		2 800		2.8
1/4		2/10		400		.4	1-7/8	 1-6/10		3 000		3.0
3/8		3/10		600		.6	2	 1-7/10		3 200		3.2
		4/10		700		.7		1-8/10		3 400		3.4
1/2				800		.8	2-1/4	 1-9/10		3 600		3.6
		5/10		900		.9		2		3 700		3.7
5/8				1 000		1.0		2-1/10		3 900		3.9
		6/10		1 100		1.1	2-1/2	 2-2/10		4 000		4.0
3/4				1 200		1.2	2-5/8	 		4 200		4.2
		7/10		1 300		1.3		2-3/10		4 300		4.3
7/8				1 400	••••	1.4	2-3/4	 		4 400		4.4
		8/10		1 500		1.5		2-4/10		4 500		4.5
1				1 600		1.6	2-7/8	 		4 600		4.6
		9/10		1 700		1.7		2-5/10		4 700		4.7
1-1/8		1		1 800		1.8	3	 2-6/10		4 800		4.8
1-1/4		1-1/10		2 000		2.0		2-7/10		5 000		5.0
1-3/8		1-2/10		2 200		2.2		2-8/10		5 200		5.2
1-1/2		1-3/10		2 400		2.4		2-9/10		5 400		5.4
1-5/8		1-4/10		2 600		2.6		3		6 000		6.0

Procedure Coding Tables - for ICAO format



AIRAC AIP AMDT 7/19 Effective: 1600UTC 14 AUG 2019 A I P
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GEN 2.3 - 12
1 MAY 2014

INTENTIONALLY

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