

CHARTING SYMBOLS LEGEND

SYMBOLS

Symbol Category : MISCELLANEOUS

APCH	INDEX NUMBER OVAL Standard Airway Manual Charts 11-1 10-1 11-1 10-2A For Special Coverage Charts
APT	
SID/STAR	
ENRT-A	

The symbol legend is broken up into the following general categories:

- Nav aids
- Airspace & Boundaries
- Airport
- Routes & Airways
- Airspace Fixes
- Lighting Box & Missed Approach
- Terrain
- Miscellaneous

Symbol usage

Symbols used

Additional comments

Indicates the types of chart usage.
The following chart abbreviations are used:

APCH-PL	Approach Chart - Planview
APCH-PR	Approach Chart - Profile View
APT-PL	Airport Chart - Planview
SID/STAR	SID, STAR, Arrival & Departure Charts
ENRT-A	Enroute Area Charts
ENRT-L	Enroute Low Altitude Charts
ENRT-H	Enroute High Altitude Charts
ENRT-H/L	Enroute High/Low Altitude Charts

Symbol Category: NAVAIDS

VOR

APCH-PL SID/STAR	 JERMYN (L) 117.9 KYL
APCH-PL	 HIGGINS 115.4 DUG
ENRT-A ENRT-L ENRT-H/L	 ANDREW (L) 112.3 RDL
	 HEBRON (L) 114.5 HJH N40 09.1 W097 35.2
	 NORFOLK (L) 116.9 ORF N25 00.2 W104 55.3
ENRT-A ENRT-L ENRT-H ENRT-H/L	 RAYONG (H) 112.5 RYN N12 46.8 E101 40.7

Compulsory

VORDME/VORTAC

APCH-PL SID/STAR	 NEUHART D (H) 113.0 KWN
APCH-PL	 DIETZ 115.7 ULI
ENRT-A ENRT-L ENRT-H/L	 ALBRECHT D (H) 114.15 ORT
	 WAGNER D (L) 111.8 RCH N39 34.2 W104 51.0
	 WILLIAMS D (L) 115.6 WLM S05 22.6 W100 22.8
ENRT-A ENRT-L ENRT-H ENRT-H/L	 KINSTON D (H) 109.6 ISO N35 22.3 W077 35.5

Compulsory

Symbol used in missed approach and Not-to-scale insets.

CHARTING SYMBOLS LEGEND

Symbol Category: NAVAIDS

ENRT-A ENRT-L ENRT-H/L	VORTAC FOX D 115.6 FXX N46 26.1 W077 54.9	APCH-PL SID/STAR	LOC (Back Course) LOC (BACK CRS) 250° 109.7 IVLP (FRONT CRS 070°)
ENRT-A ENRT-L ENRT-H ENRT-H/L	 MINERVA D 111.9 VAZ N50 02.0 E008 34.2 Compulsory	ENRT-A ENRT-L ENRT-H/L	 LOC-DME 111.75 ISNA
ENRT-A ENRT-L ENRT-H ENRT-H/L	 REDFEATHER (H) 114.2 CRL N40 51.1 W105 38.0 Compulsory	APCH-PL	Offset Localizer
ENRT-A ENRT-L ENRT-H ENRT-H/L	DME EDSON DME-31 8N (109.4) JACOB DME-56 JAC (111.9)	APCH-PL SID/STAR	Markers When co-located, the marker symbol is cleared from the associated waypoint or navaid.
APCH-PL SID/STAR	TACAN TAC-33 POPLASKI D (109.6) DJP	APCH-PR	 When co-located, the marker symbol is cleared from the associated waypoint or navaid.
ENRT-A ENRT-L ENRT-H ENRT-H/L	 RIEDEL TAC-107 AKR (116.0) CARLINGTON TAC-41 CAR (110.4)	APCH-PR	VOR/VORDME/VORTAC/NDB
APCH-PL SID/STAR	NDB/LOCATOR AARON 260 AJ	APCH-PR	ILS Glide Slope
APCH-PL SID/STAR ENRT-A ENRT-L ENRT-H/L	 BLAZEK 260 JB Locator co-located with a Marker (LOM)	APCH-PR	GLS Glide Slope
ENRT-A ENRT-L ENRT-H ENRT-H/L	 KASTEN 364 JHN Compulsory THOMPSON 254 TMP	APT-PL	NAVAIDS
APCH-PL SID/STAR ENRT-A ENRT-L	ILS, LOC, LDA, SDF, MLS, or KRM (Front Course) ILS 358° 111.9 IJMP SID/STAR ENRT-A/L LOC 111.9 IJMP		

CHARTING SYMBOLS LEGEND

Symbol Category: AIRSPACE & BOUNDARIES

ENRT-A	Special Use Airspace	ENRT-H	Control Area, Military Terminal Control Area, Terminal Control Area
ENRT-L	Advisory Area (Canada), Alert Area, Caution Area, JDA Areas (Japan), Military Operations Area, Temporary Reserved Airspace, Training Area, Warning Area		
ENRT-H/L		ENRT-A	Air Traffic Services
		ENRT-L	Class D (FAA), Class E (FAA), Control Zone, Military Control Zone, Tower Control Area
APCH-PL		ENRT-H/L	
APT-PL			
SID/STAR		ENRT-A	Air Traffic Services
ENRT-A	Special Use Airspace	ENRT-L	Air Traffic Zone, Helicopter Protected Zone, Helicopter Traffic Zone, Military Air Traffic Zone, Positive Control Area, Special Rules Area/Zone, Traffic Information Area/Zone
ENRT-L	Areas of Intense Air Activity, Danger Area, Flight Restricted Zones(FAA), Fuel Dumping Areas, High Intensity Radio Transmission Areas, Prohibited Area, Restricted Area	ENRT-H/L	
ENRT-H			
ENRT-H/L		ENRT-A	Oceanic Control Area, FAA Control Areas
		ENRT-L	
APCH-PL		ENRT-H	
APT-PL			
SID/STAR		ENRT-A	Air Defense Identification Zone
ENRT-A	Special Flight Rules Area (FAA)	ENRT-L	
ENRT-L		ENRT-H	
ENRT-H		ENRT-H/L	
ENRT-H/L		ENRT-A	Flight Information Region / Upper Flight Information Region
ENRT-A	Class A Airspace	ENRT-L	
ENRT-L	Control Area Extensions(Canada), Control Areas, Military Terminal Control Areas, Transition Areas(Canada), Terminal Control Areas, Upper Control Areas	ENRT-H	
ENRT-H		ENRT-H/L	
ENRT-H/L		SID/STAR	
ENRT-A	Class B Airspace	ENRT-A	Air Route Traffic Control Center, Area Control Center, Area of Responsibility, Delegated Airspace, Upper Area Control Center
ENRT-L	Class B (FAA), Control Area Extensions(Canada), Control Areas, Military Terminal Control Areas, Transition Areas (Canada), Terminal Control Areas, Upper Control Areas	ENRT-L	
ENRT-H/L		ENRT-H	
		ENRT-H/L	
ENRT-A	Class C Airspace		
ENRT-L	Class C (FAA), Control Area Extensions(Canada), Control Areas, Military Terminal Control Areas, Transition Areas (Canada), Terminal Control Areas, Upper Control Areas	ENRT-A	CNS/ATM Equipment Boundary (MNPS, RNP, RVSM)
ENRT-H/L		ENRT-L	
		ENRT-H	
ENRT-A	Class D Airspace	ENRT-H/L	
ENRT-L	Control Area Extensions(Canada), Control Areas, Military Terminal Control Areas, Transition Areas(Canada), Terminal Control Areas, Upper Control Areas		
ENRT-H/L		ENRT-A	Random RNAV Area
		ENRT-L	
ENRT-A	Class G Airspace	ENRT-H	
ENRT-L		ENRT-H/L	
ENRT-H			
ENRT-H/L			

CHARTING SYMBOLS LEGEND

Symbol Category: AIRSPACE & BOUNDARIES

ENRT-A	Enroute Communications Sector Low or High Altitude Sectors 
ENRT-L	
ENRT-H	
ENRT-H/L	
ENRT-H	

High Altitude Sectors (if vertically sectorized)

APT-PL	
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SID/STAR	Lost Comms 
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ENRT-A	Frequency Boundary - Class E FIA (Australia) 
ENRT-L	
ENRT-H/L	

ENRT-A	Frequency Boundary - Class G FIA (Australia) 
ENRT-L	
ENRT-H/L	

ENRT-A	Frequency Boundary - HF 
ENRT-L	
ENRT-H	
ENRT-H/L	

ENRT-A	Free Route Airspace 
ENRT-H	
ENRT-H/L	

ENRT-A	International Boundary 
ENRT-L	
ENRT-H	
ENRT-H/L	

APCH-PL	
APT-PL	
SID/STAR	

ENRT-A	Mandatory Broadcast Zone 
ENRT-L	
ENRT-H/L	

ENRT-A	QNE/QNH Boundary 
ENRT-L	
ENRT-H	
ENRT-H/L	
SID/STAR	

ENRT-A	RVSM Transition Boundary 
ENRT-L	
ENRT-H	
ENRT-H/L	

ENRT-A	Special VFR Not Authorized 
ENRT-L	
ENRT-H/L	

ENRT-A	Speed Restriction Boundary 
ENRT-L	
ENRT-H	
ENRT-H/L	

ENRT-A	Time Zone 
ENRT-L	
ENRT-H	
ENRT-H/L	

ENRT-H	State/Province Boundary 
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ENRT-A	Common Traffic Advisory Frequency Boundary (Australia) 
ENRT-L	
ENRT-H	
ENRT-H/L	

ENRT-A	Advisory Radio Area, Radar Area/Zone 
ENRT-L	
ENRT-H	
ENRT-H/L	

Symbol Category: AIRPORT

APT-PL	Runway Number Runway number is magnetic unless followed by T for true in far north 
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APT-PL	Runway number and (when known) magnetic direction, unless followed by T for true in far north 
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APT-PL	Seaplane operating area, or water runway 
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APT-PL	Seaplane Operating Area 
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APT-PL	Paved Runway 
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CHARTING SYMBOLS LEGEND

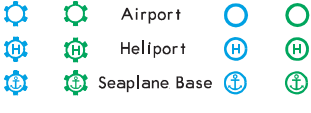
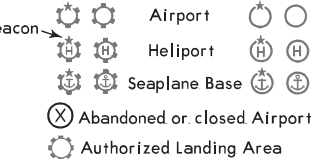
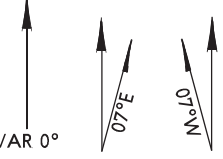
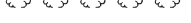
Symbol Category: AIRPORT

APT-PL	Unpaved Runway	
APT-PL	Displaced Threshold	
APT-PL	Stop Bar or Hold Line	
APT-PL	Category II/III Hold Line	
APT-PL	Approach lights extending to displaced threshold	
APT-PL	Arrester Gear Unidirectional	
APT-PL	Bidirectional	
APT-PL	Jet Barrier	
APT-PL	Closed Runway	
APT-PL	Stopway or Overrun	
APT-PL	Area Under Construction	
APT-PL	Runway Shoulder (when readily noticeable)	

APT-PL	Standard ALSF-I	
APT-PL	Standard ALSF-II	
APT-PL	MALSR/SSALR	
APT-PL	MALS/MALSF	
APT-PL	SALS	
APT-PL	SSALF/SSALS	
APT-PL	ODALS	
APT-PL	HIALS (Calvert)	
APT-PL	HIALS (Calvert II)	
APT-PL	HIALS	
APT-PL	LDIN/RLLS	

CHARTING SYMBOLS LEGEND

Symbol Category: AIRPORT

APT-PL	RAIL	APT-PL	Wind Indicator
			Cone Lighted Cone 
APT-PL	Road	APT-PL	Tee
			
APT-PL	Trees	APT-PL	Tetrahedron
			
APT-PL	Bluff	ENRT-A	Airports
		ENRT-L	Civil or Joint Use Military
APT-PL	Pole Line	ENRT-H	IFR VFR Military IFR VFR
		ENRT-H/L	
APT-PL	Railroad	APCH-PL	Civil or joint use Military
		APT-PL	beacon
APT-PL	Ditch	SID/STAR	
			⊗ Abandoned or closed Airport ⊙ Authorized Landing Area
APT-PL	Buildings	APCH-PL	
		ENRT-A	
APT-PL	Lighted Pole	APT-PL	Helicopter Landing Pad
			
APT-PL	Unidentified Beacon	APT-PL	Magnetic Variation
			
APT-PL	Permanently Closed Taxiway	APT-PL	Airport Reference Point (ARP)
			
APT-PL	Taxiway and Apron	APT-PL	Tree Line
			
APT-PL	LAHSO Distance Points	APT-PL	Building Area
			
APT-PL	RVR Measuring Site		
			

CHARTING SYMBOLS LEGEND

Symbol Category: ROUTES & AIRWAYS

APCH-PL	Track/Airway	SID/STAR	Altitude Change "1"
APCH-PR		ENRT-A	MEA, MAA, MOCA, or MORA change.
SID/STAR		ENRT-L	Does not apply to GPS MEA's or at Nav aids
ENRT-A		ENRT-H	
ENRT-L		ENRT-H/L	
ENRT-H		ENRT-A	Total Mileage
ENRT-H/L		ENRT-L	Total Mileage between Nav aids
ENRT-L	Overlying High Altitude Airway 	ENRT-H	
		ENRT-H/L	
ENRT-L	Diversionary Route	SID/STAR	Change Over Point
		ENRT-A	Mileages indicate point to change Nav aids
		ENRT-L	22
APCH-PR	Non-precision when charted with precision approach 	ENRT-H	65
		ENRT-H/L	
ENRT-A	Arrival/Departure Route	ENRT-A	Even and Odd Indicators
		ENRT-L	Even and Odd altitudes are used in direction indicated
		ENRT-H	< E E>
		ENRT-H/L	< O O>
			< E & O E & O>
			E & O
SID/STAR	Transition Track	ENRT-A	Prior Permission Required
		ENRT-L	Prior Permission Required from ATC for flight in direction of arrow.
		ENRT-H	
		ENRT-H/L	◀ PPR
APT-PL	High Level Approach Track	ENRT-A	Flight Planned Route
		ENRT-L	
		ENRT-H	FPR▶
		ENRT-H/L	
APCH-PL	Visual Track	ENRT-A	Airway By-Pass
APCH-PR		ENRT-L	
		ENRT-H	
		ENRT-H/L	
APCH-PR	VNAV/VDA	APCH-PL	Airway Designator
	Vertical descent angle and/or path	SID/STAR	Negative
		ENRT-A	
APCH-PR	Vertical descent angle and/or path to DA for approved operators	ENRT-L	
		ENRT-H	
		ENRT-H/L	
		APCH-PL	Positive
SID/STAR	Radar Vectors		
		ENRT-A	Route Suffix
APT-PL	Missed Approach Course	ENRT-L	Suffixes are added to indicate more restrictive segment along airway. Each suffix has a unique meaning.
		ENRT-H	
		ENRT-H/L	
ENRT-A	Navigational Signal Gap	ENRT-A	One Way Airway
ENRT-L		ENRT-L	
ENRT-H		ENRT-H	
ENRT-H/L		ENRT-H/L	

CHARTING SYMBOLS LEGEND

Symbol Category: ROUTES & AIRWAYS

APCH-PL	Holding Patterns 
APCH-PR	
APT-PL	
SID/STAR	
ENRT-A	
ENRT-L	
ENRT-H	
ENRT-H/L	
SID/STAR	
ENRT-A	Intercept Route 
ENRT-L	
ENRT-H	
ENRT-H/L	

Symbol Category: AIRSPACE FIXES

APCH-PL	Non-Compulsory 
SID/STAR	
ENRT-A	
ENRT-L	
ENRT-H	
ENRT-H/L	
ENRT-H/L	
APCH-PL	
SID/STAR	
ENRT-A	Compulsory 
ENRT-L	
ENRT-H	
ENRT-H/L	
ENRT-H/L	
ENRT-H/L	
APCH-PL	RNAV Non-Compulsory 
SID/STAR	
ENRT-A	
ENRT-L	
ENRT-H	
ENRT-H/L	RNAV Compulsory 
APCH-PL	
SID/STAR	
ENRT-A	
ENRT-L	
ENRT-H	Mileage Break/CNF Non-Compulsory Fix 
ENRT-H/L	
APCH-PL	
SID/STAR	
ENRT-A	Fly Over Fix Indicated by circle around fix 
ENRT-L	
ENRT-H	
ENRT-H/L	
ENRT-A	Meteorological Report Point 
ENRT-L	
ENRT-H	
ENRT-H/L	
ENRT-H/L	

SID/STAR	DME and DME Radial Formation 
ENRT-A	
ENRT-L	
ENRT-H	
ENRT-H/L	
APCH-PR	Non Precision Final Approach Fix 
APCH-PR	
APCH-PR	Non Precision Missed Approach Fix 
APCH-PR	

Symbol Category: LIGHTING BOX & MISSED APPROACH

APCH-PR	Standard ALSF-I 
APCH-PR	Standard ALSF-II 
APCH-PR	MALSR 
APCH-PR	SSALR 
APCH-PR	MALS 
APCH-PR	MALSF 
APCH-PR	SALS 
APCH-PR	SSALF 

CHARTING SYMBOLS LEGEND

Symbol Category: LIGHTING BOX & MISSED APPROACH

APCH-PR	SSALS
APCH-PR	HIALS (Calvert)
APCH-PR	HIALS (Calvert II)
APCH-PR	HIALS
APCH-PR	ODALS
APCH-PR	LDIN/RLLS
APCH-PR	RAIL
APCH-PR	Climb
APCH-PR	Left Turn (less than 45°)
APCH-PR	Left Turn (greater than 45°)
APCH-PR	Right Turn (less than 45°)
APCH-PR	Right Turn (greater than 45°)

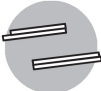
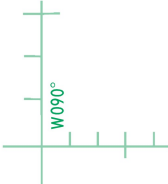
APCH-PR	Direct
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Symbol Category: TERRAIN

APCH-PL APT-PL SID/STAR ENRT-A	Natural Terrain High Point
APCH-PL APT-PL SID/STAR	Man-made High Point
APCH-PL APT-PL SID/STAR	Unidentified Man-made Structure
APCH-PL	Highest Arrow
APCH-PL APT-PL SID/STAR	Hazard Beacon
APCH-PL APT-PL SID/STAR ENRT-A	Generalized Terrain Contours
ENRT-A ENRT-L ENRT-H ENRT-H/L	Grid MORA
APCH-PL APT-PL ENRT-A ENRT-L ENRT-H ENRT-H/L	Water

CHARTING SYMBOLS LEGEND

Symbol Category: MISCELLANEOUS

APCH APT SID/STAR ENRT-A	Index Number Oval Standard Airway Manual Charts 11-1 10-1 For Special Coverage Charts 11-1 10-2A	ENRT-L ENRT-H ENRT-H/L	Inset Boundary 
APCH-PL SID/STAR	Holding Pattern Length 1 1 1/2 2	ENRT-A ENRT-L ENRT-H ENRT-H/L	Remote Communications Outlet (RCO) 2.6-LEESBURG FALLS CHURCH
SID/STAR	Arrival/Departure Airport 	ENRT-A ENRT-L ENRT-H ENRT-H/L	Grid 
APCH-PL	City Pattern 	ENRT-A ENRT-L ENRT-H ENRT-H/L	Isogonic Line 
APCH-PL	Airline Chart Icon 	END OF SYMBOLS LEGEND	
APT-PL ENRT-A ENRT-L ENRT-H ENRT-H/L	North Arrow 		
APT-PL	Bar Scale Feet 0 1000 2000 3000 4000 5000 Meters 0 500 1000 1500		
ENRT-L ENRT-H ENRT-H/L	Enroute Chart Overlap 		
ENRT-L ENRT-H ENRT-H/L	Area Chart Overlap DENVER KDEN		