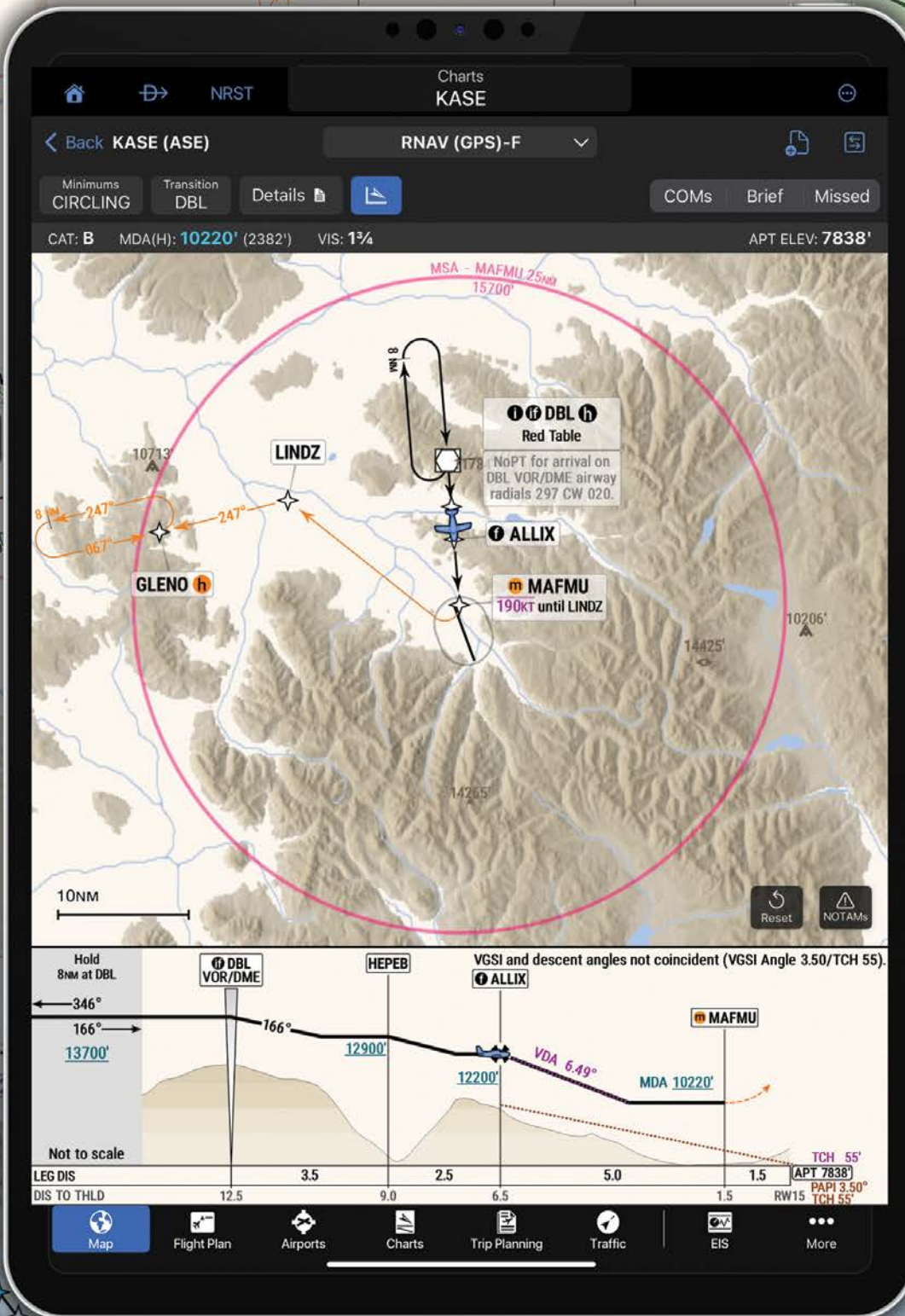


# SmartCharts Quick Reference Guide

GARMIN



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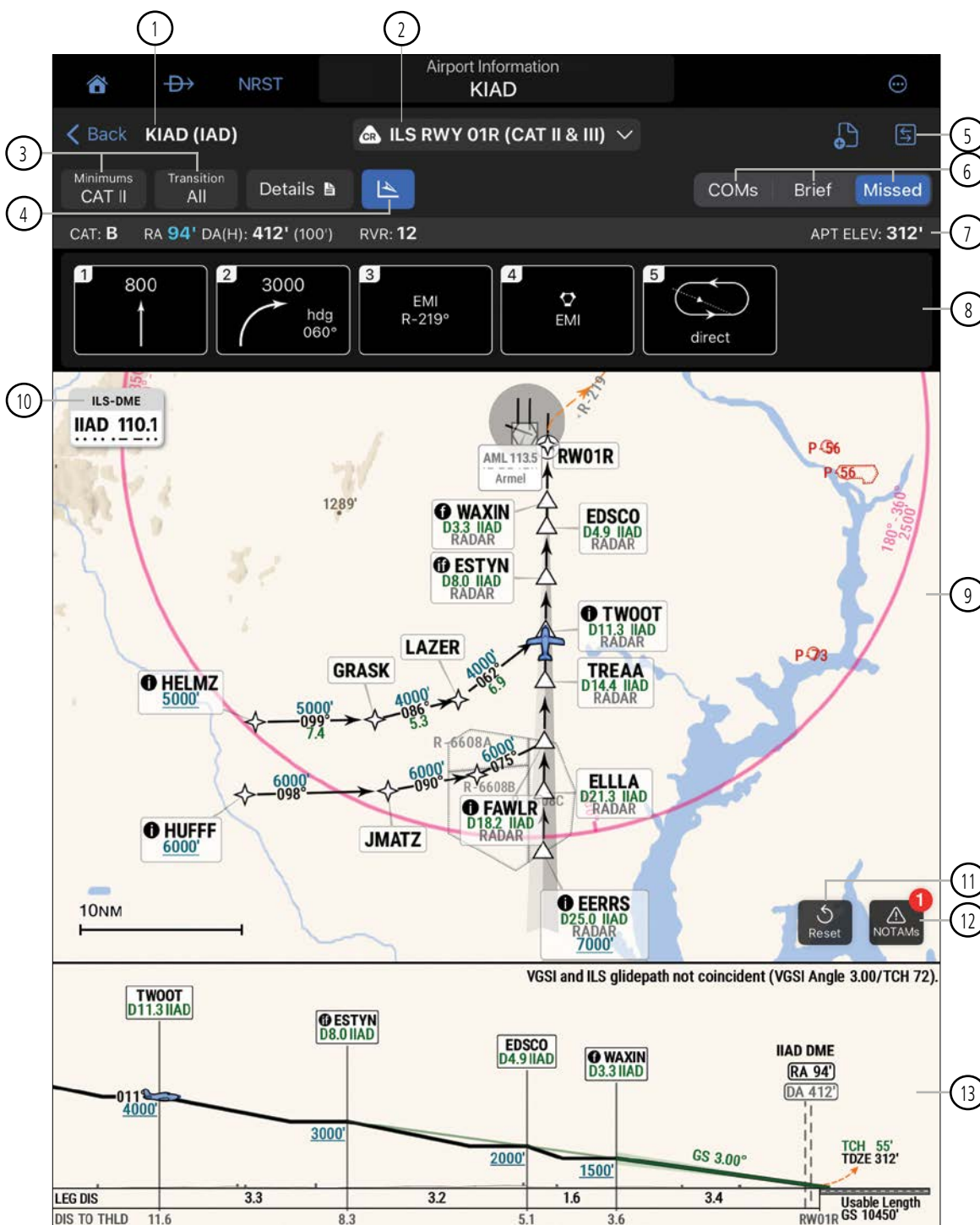
This manual serves as a guide for those in the aviation industry using Garmin's SmartCharts application. This manual is intended for reference only, and includes some, but not all, of the commonly used symbology. Some differences in operation may be observed when comparing the information in this manual to earlier or later versions. This manual is intended to supplement training and is not meant to be used for navigation.

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Rev	Date	Description
A	May, 2025	Production Release.













































- |                                       |                               |                       |                              |
|---------------------------------------|-------------------------------|-----------------------|------------------------------|
| ① Procedure Airport.                  | ⑤ Chart Provider Quick-Switch | ⑨ Planview.           | ⑬ Profile View (Approaches). |
| ② Procedure Name.                     | ⑥ Quick Access Selector.      | ⑩ Primary NAVAID.     |                              |
| ③ Minimums/Transition Selection.      | ⑦ Procedure Status Bar.       | ⑪ Chart Reset Button. |                              |
| ④ Show/Hide Profile View (Approaches) | ⑧ Quick Access Area.          | ⑫ NOTAM Information.  |                              |











































## TIPS

- The quick switch button will always return you to a static charting product.
- When configuring your SmartChart, work left to right across the top.
- After minima are set, "Minima Adjustment Details" in the top right menu will show you the details of the work that SmartCharts has completed.

## LEGEND/SYMBOLS





































Charting Symbols					
	Civil Airport		Intermediate Fix		Fly-Over Intersection w/Airspeed Restriction
	Airport Closed		Initial Approach Fix & Intermediate Approach Fix		Fly-Over Intersection w/Airspeed & Altitude Restriction
	Generic Airport		Missed Approach Point		Fly-Over Intersection w/Altitude Restriction
	Heliport		Decision Altitude (Day/Night)		Fly-By DME Compulsory Reporting Point
	Joint Use Airport		Precision Approach Path Indicator - PAPI (Day/Night)		Fly-By DME Non-compulsory Reporting Point
	Military Airport		Radar Altimeter (Day/Night)		Fly-By DME Non-compulsory w/Airspeed Restriction
	Change Over Point (Day/Night)		Visual Approach Slope Indicator - VASI (Day/Night)		Fly-By DME Non-compulsory w/Airspeed & Altitude Restriction
	Hold Procedure		Fly-By Intersection Compulsory Reporting Point		Fly-By DME Non-compulsory w/Altitude Restriction
	Hold is Not Part of Procedure		Fly-By Intersection Non-compulsory Reporting Point		Fly-Over DME Compulsory Reporting Point
	Missed Approach Hold		Fly-By Intersection w/Airspeed Restriction		Fly-Over DME Non-compulsory Reporting Point
	Final Approach Fix		Fly-By Intersection w/Airspeed & Altitude Restriction		Fly-Over DME Non-compulsory w/Airspeed Restriction
	Initial Approach Fix		Fly-By Intersection w/Altitude Restriction		Fly-Over DME Non-compulsory w/Airspeed & Altitude Restriction
	Initial Approach Fix & Final Approach Fix		Fly-Over Intersection Compulsory Reporting Point		Fly-Over DME Non-compulsory w/Altitude Restriction
	Initial Approach Fix & Missed Approach Point		Fly-Over Intersection Non-compulsory Reporting Point		NAVAID

Charting Symbols

Charting Symbols					
	Fly-By Locator Outer Marker (LOM) Non-compulsory Reporting Point		Fly-By NDB/DME Non-compulsory Reporting Point w/Airspeed Restriction		Fly-Over TACAN Non-compulsory Reporting Point
	Fly-By Marker Non-compulsory Reporting Point		Fly-By NDB/DME Non-compulsory Reporting Point w/Airspeed & Altitude Restriction		Fly-Over TACAN Non-compulsory Reporting Point w/Airspeed Restriction
	Fly-By Non-Directional Beacon (NDB) Compulsory Reporting Point		Fly-By NDB/DME Non-compulsory Reporting Point w/Altitude Restriction		Fly-Over TACAN Non-compulsory Reporting Point w/Airspeed & Altitude Restriction
	Fly-By NDB Non-compulsory Reporting Point		Fly-Over NDB/DME Compulsory Reporting Point		Fly-Over TACAN Non-compulsory Reporting Point w/Altitude Restriction
	Fly-By NDB Non-compulsory Reporting Point w/Airspeed Restriction		Fly-Over NDB/DME Non-compulsory Reporting Point		Fly-By VOR Compulsory Reporting Point
	Fly-By NDB Non-compulsory Reporting Point w/Airspeed & Altitude Restriction		Fly-Over NDB/DME Non-compulsory Reporting Point w/Airspeed Restriction		Fly-By VOR Non-compulsory Reporting Point
	Fly-By NDB Non-compulsory Reporting Point w/Altitude Restriction		Fly-Over NDB Non-compulsory Reporting Point w/Airspeed & Altitude Restriction		Fly-By VOR Non-compulsory Reporting Point w/Airspeed Restriction
	Fly-Over NDB Compulsory Reporting Point		Fly-Over NDB Non-compulsory Reporting Point w/Altitude Restriction		Fly-By VOR Non-compulsory Reporting Point w/Airspeed & Altitude Restriction
	Fly-Over NDB Non-compulsory Reporting Point		Fly-By TACAN Compulsory Reporting Point		Fly-By VOR Non-compulsory Reporting Point w/Altitude Restriction
	Fly-Over NDB Non-compulsory Reporting Point w/Airspeed Restriction		Fly-By TACAN Non-compulsory Reporting Point		Fly-Over VOR Compulsory Reporting Point
	Fly-Over NDB Non-compulsory Reporting Point w/Airspeed & Altitude Restriction		Fly-By TACAN Non-compulsory Reporting Point w/Airspeed Restriction		Fly-Over VOR Non-compulsory Reporting Point
	Fly-Over NDB Non-compulsory Reporting Point w/Altitude Restriction		Fly-By TACAN Non-compulsory Reporting Point w/Airspeed & Altitude Restriction		Fly-Over VOR Non-compulsory Reporting Point w/Airspeed Restriction
	Fly-By NDB/DME Compulsory Reporting Point		Fly-By TACAN Non-compulsory Reporting Point w/Altitude Restriction		Fly-Over VOR Non-compulsory Reporting Point w/Airspeed & Altitude Restriction
	Fly-By NDB/DME Non-compulsory Reporting Point		Fly-Over TACAN Compulsory Reporting Point		Fly-Over VOR Non-compulsory Reporting Point w/Altitude Restriction

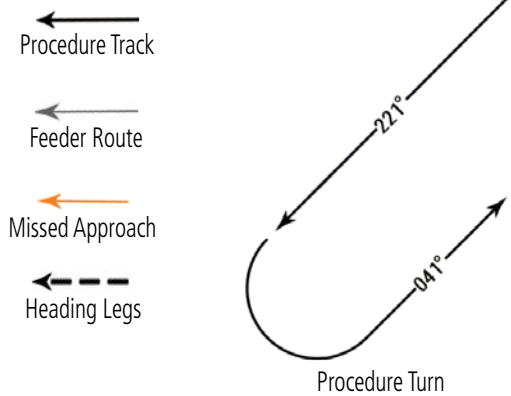
Charting Symbols

## Charting Symbols

	Fly-By VOR/DME Compulsory Reporting Point		Fly-By VORTAC Non-compulsory Reporting Point w/Airspeed Restriction		Fly-By RNAV Non-compulsory Reporting Point w/Altitude Restriction
	Fly-By VOR/DME Non-compulsory Reporting Point		Fly-By VORTAC Non-compulsory Reporting Point w/Airspeed & Altitude Restriction		Fly-Over RNAV Compulsory Reporting Point
	Fly-By VOR/DME Non-compulsory Reporting Point w/Airspeed Restriction		Fly-By VORTAC Non-compulsory Reporting Point w/Altitude Restriction		Fly-Over RNAV Non-compulsory Reporting Point
	Fly-By VOR/DME Non-compulsory Reporting Point w/Airspeed & Altitude Restriction		Fly-Over VORTAC Compulsory Reporting Point		Fly-Over RNAV Non-compulsory Reporting Point w/Airspeed Restriction
	Fly-By VOR/DME Non-compulsory Reporting Point w/Altitude Restriction		Fly-Over VORTAC Non-compulsory Reporting Point		Fly-Over RNAV Non-compulsory Reporting Point w/Airspeed & Altitude Restriction
	Fly-Over VOR/DME Compulsory Reporting Point		Fly-Over VORTAC Non-compulsory Reporting Point w/Airspeed Restriction		Fly-Over RNAV Non-compulsory Reporting Point w/Altitude Restriction
	Fly-Over VOR/DME Non-compulsory Reporting Point		Fly-Over VORTAC Non-compulsory Reporting Point w/Airspeed & Altitude Restriction		Fly-Over Runway
	Fly-Over VOR/DME Non-compulsory Reporting Point w/Airspeed Restriction		Fly-Over VORTAC Non-compulsory Reporting Point w/Altitude Restriction		Fly-By Runway
	Fly-Over VOR/DME Non-compulsory Reporting Point w/Airspeed & Altitude Restriction		Fly-By RNAV Compulsory Reporting Point		Airport Beacon (Day/Night)
	Fly-Over VOR/DME Non-compulsory Reporting Point w/Altitude Restriction		Fly-By RNAV Non-compulsory Reporting Point		Windsock
	Fly-By VORTAC Compulsory Reporting Point		Fly-By RNAV Non-compulsory Reporting Point w/Airspeed Restriction		Non-Precision Approach Final Approach Fix
	Fly-By VORTAC Non-compulsory Reporting Point		Fly-By RNAV Non-compulsory Reporting Point w/Airspeed & Altitude Restriction		Visual Descent Point

## Charting Symbols

## ROUTES

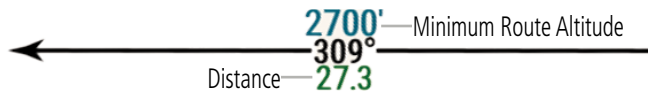


## ALTITUDES

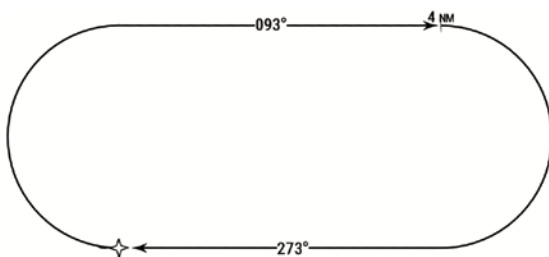
<b>10000'</b>	Mandatory Altitude	<b>17000'</b>	Mandatory Block Altitude
<b>11000'</b>	Minimum Altitude	<b>13000'</b>	
<b>7000'</b>	Maximum Altitude	<b>3600'</b>	Recommended Altitude

## INDICATED AIRSPEED

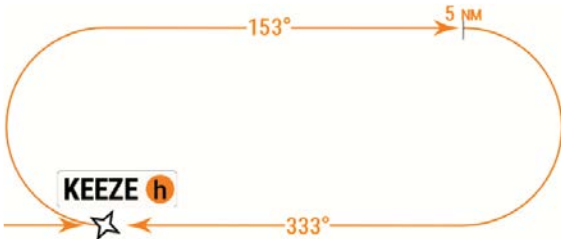
<b>280KT</b>	<b>230KT</b>	<b>210KT</b>	<b>250KT</b>
Mandatory Airspeed	Maximum Airspeed	Minimum Airspeed	Recommended Airspeed



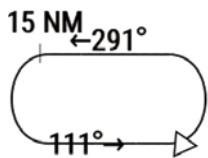
## HOLDING PATTERNS



## Hold-in-lieu



## Missed Approach Holding Pattern



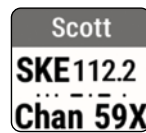
## Arrival Holding Pattern



## Primary NAVAID



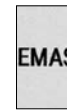
## Secondary NAVAID



## TACAN or DME NAVAID



## Runway ID



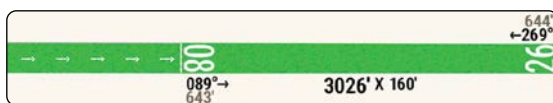
## EMAS



## Hot Spot



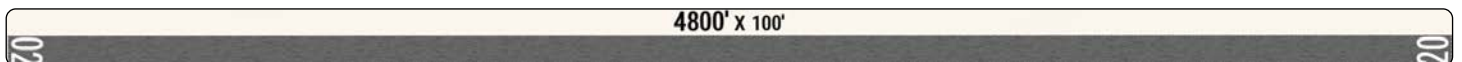
## Displaced Threshold



## Grass/Turf Runway



## Waterway



## Gravel Runway

## SmartCharts - Planview Symbols - Legend - Instrument Approach Procedures



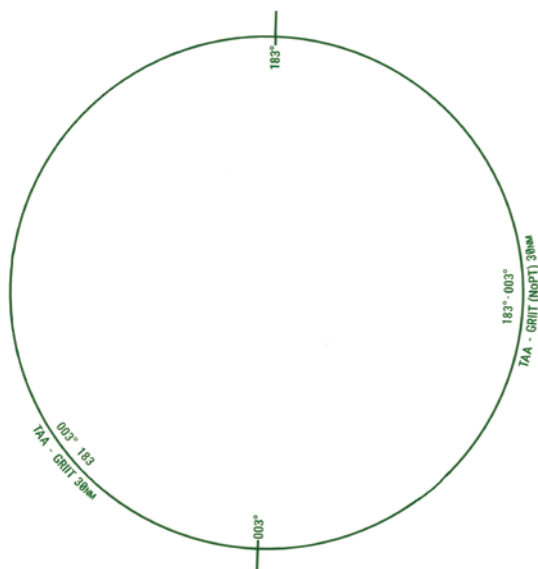
Dirt/Unpaved Runway



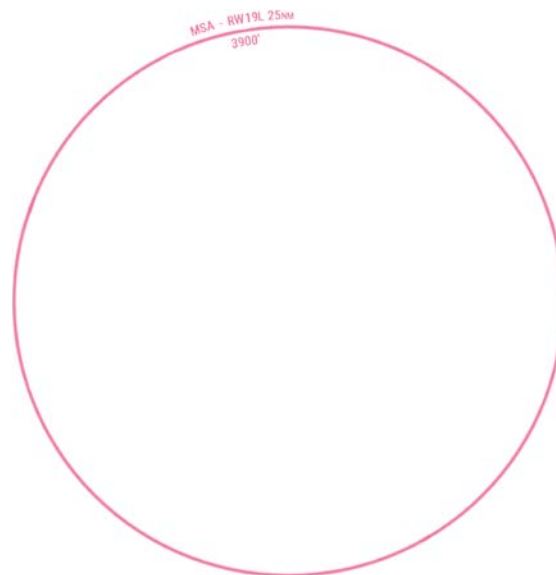
Paved Runway - Day Mode



Paved Runway - Night Mode



Terminal Arrival Area - TAA



Minimum Safe Altitude - MSA - Runway ID

**MISCELLANEOUS**



International Boundary (Day)



International Boundary (Night)

**OBSTACLES**



Highest Obstacle



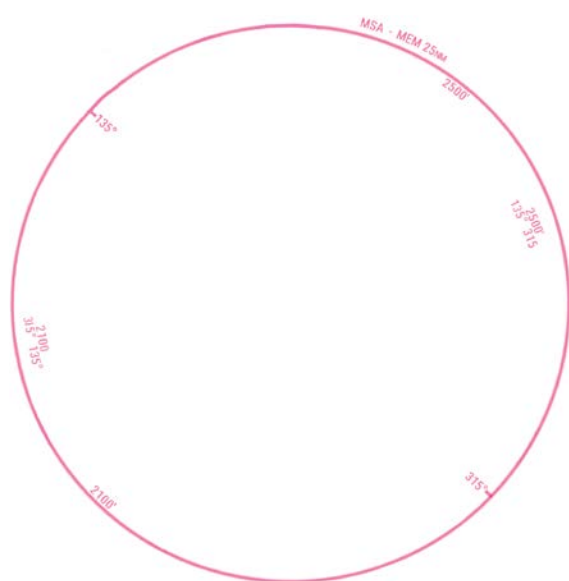
Obstacle



Doubtful Accuracy



Spot Elevation

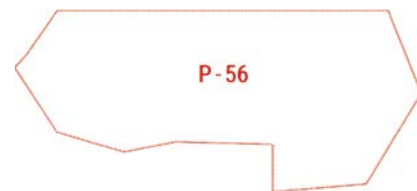


Minimum Safe Altitude - MSA - Airport ID

**SPECIAL USE AIRSPACE**



Restricted Airspace






Prohibited Airspace

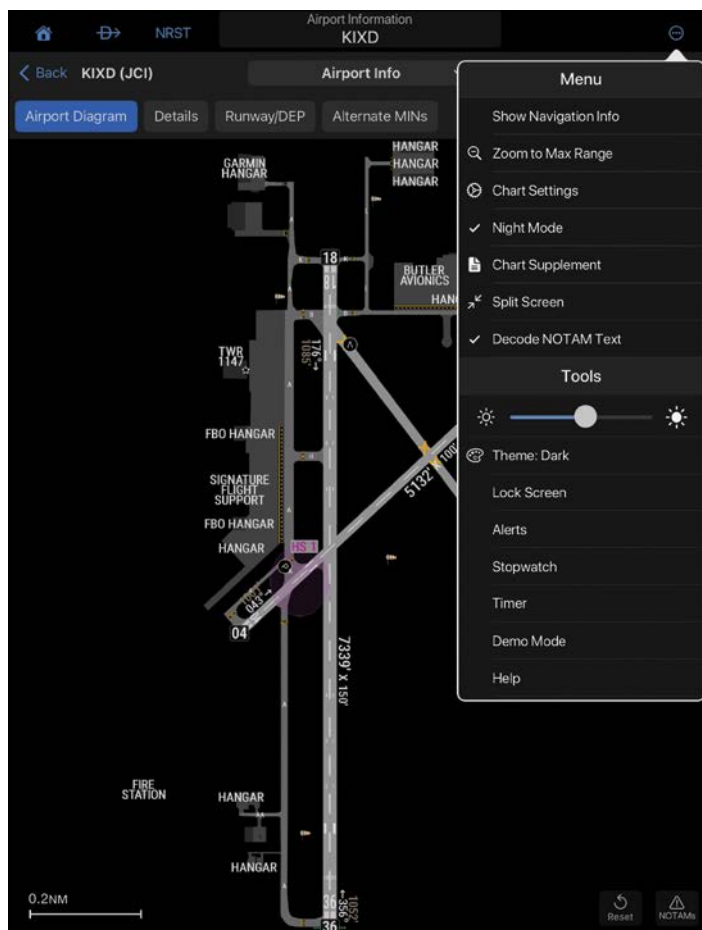
SmartCharts - Profile View Symbols - Legend - Instrument Approach Procedures Cont'd

## NIGHT MODE

When the User is viewing the chart, they can toggle Night Mode 'On/Off', as desired.

### Toggle Night Mode On/Off:

- 1) Select  >  > **Charts** > **SmartCharts** > **Airport Diagram**.
- 2) In the upper right-hand corner, tap  > **Night Mode**. Toggle 'On/Off', as desired.



Garmin Pilot iOS - SmartCharts - More/Tools Menu - Night Mode



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