# **TERMINAL PROCEDURES PUBLICATION SYMBOLS**

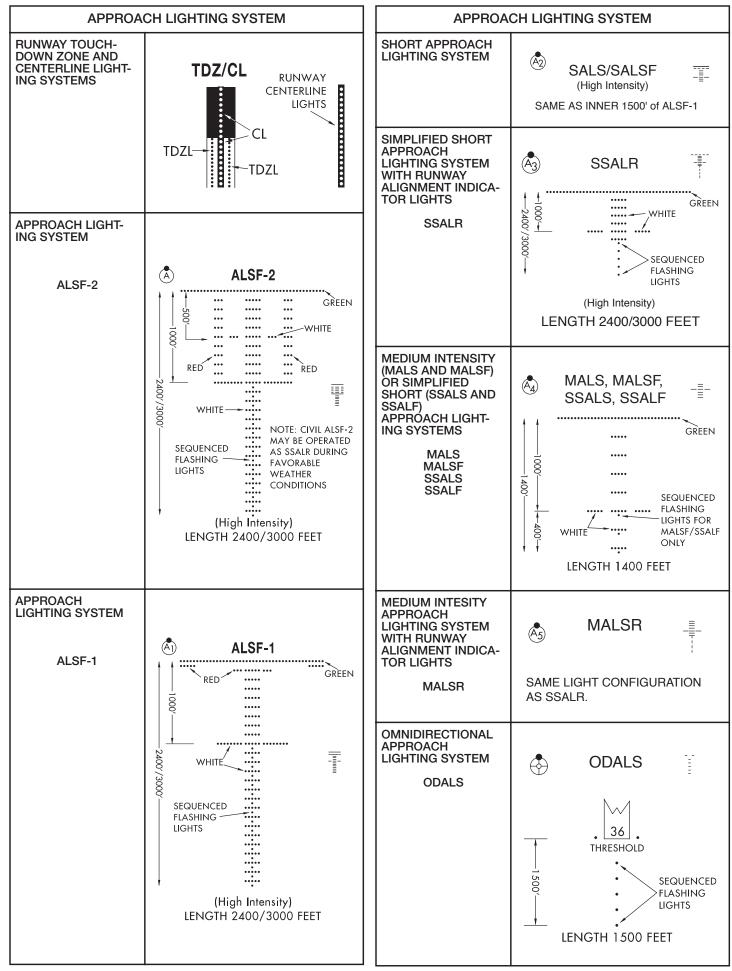
## AERONAUTICAL INFORMATION

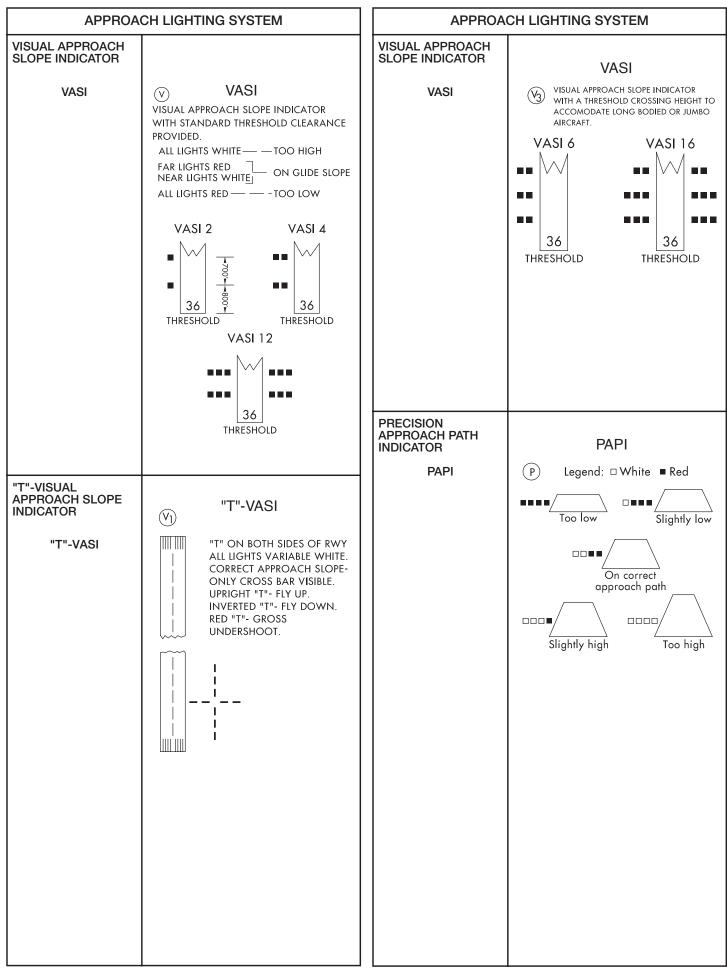
| STANDARD TERMINAL ARRIVAL (STAR) CHARTS     | 55 |
|---|----|
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## GENERAL INFORMATION

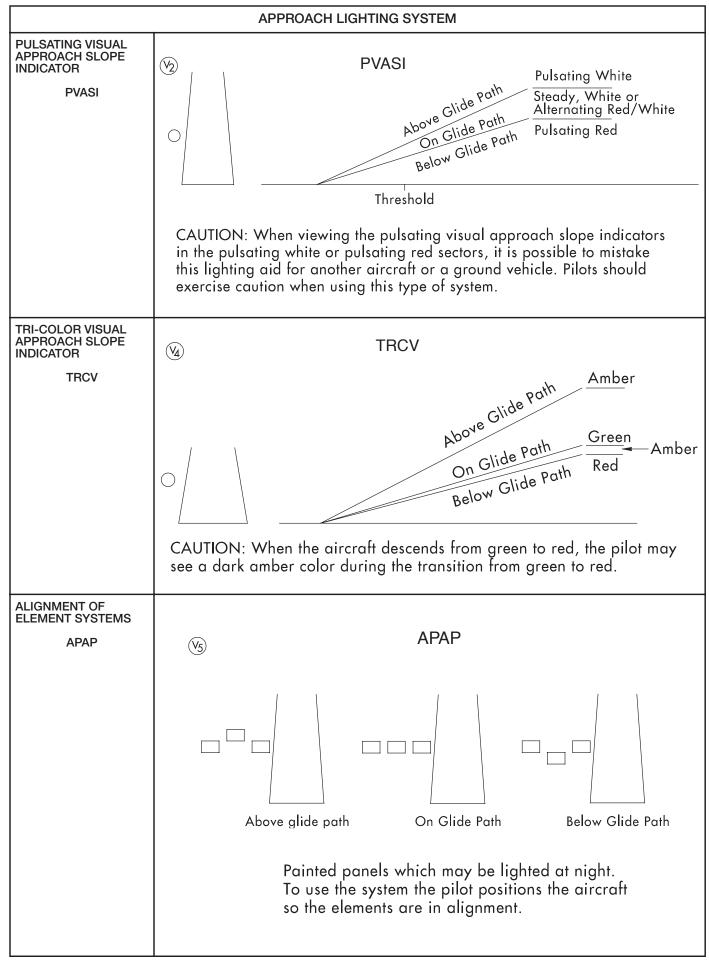
Symbols shown are for the Terminal Procedures Publication (TPP) which includes Standard Terminal Arrival Routes (STARs), Departure Procedures (DPs), Instrument Approach Procedures (IAP) and Airport Diagrams.

| STANDARD TERM<br>DEPARTURE             | IINAL ARRIVAL (STAR) CHARTS<br>PROCEDURE (DP) CHARTS  | STANDARD TERN<br>DEPARTURE | /INAL ARRIVAL (STAR) CHARTS<br>PROCEDURE (DP) CHARTS  |
|--|---|----------------------------|---|
| RADIO AIDS<br>TO NAVIGATION            | ○ VOR  ○ TACAN ○ VOR/DME ○ NDB/DME  | SPECIAL USE<br>AIRSPACE    | R-Restricted W-Warning<br>R-352 P-Prohibited A-Alert  |
|  | <ul> <li>VOR/DME</li> <li>VORTAC</li> <li>□ LOC/DME</li> <li>○ LOC</li> <li>○ NDB (Non-directional Beacon)</li> <li>&lt; &gt; LMM, LOM (Compass locator)</li> </ul>   | ALTITUDES                  | 5500       2300       4800       2200         Mandatory       Minimum       Maximum       Recommended         Altitude       Altitude       Altitude       Altitude         MCA       (Minimum Crossing Altitude)       MCA         Haltitude       Altitude       McA         Mainimum Crossing Altitude)       MAA-       Maximum Reception Altitude.   |
|  | Marker Beacon<br>Localizer Course<br>SDF Course   | AIRPORTS                   | Joint<br>¢ Civil © Military ¢ Civil-Military  |
| REPORTING<br>POINTS/FIXES<br>WAYPOINTS | (T) indicates frequency<br>protection range Identifier<br>(T) indicates frequency<br>protection range Identifier<br>(T) indicates frequency<br>Underline indicates<br>on this frequency<br>(T) L22 ftl ORLANDO<br>(T) Chan 59 (Y)<br>(T) DME or<br>no voice transmitted<br>Enroute Chart Channel<br>on this frequency<br>(T) TACAN must be placed<br>(T) indicates frequency<br>(T) Chan 59 (Y)<br>(T) DME or<br>no voice transmitted<br>Enroute Chart Channel<br>(T) H-5<br>(T) DME or<br>Name<br>(T) DME or<br>Name<br>(T) DME or<br>Name<br>(T) DME or<br>Name<br>(T) DME or<br>(T) DME (T) (T)<br>(T) DME Mileage<br>(when not obvious)<br>(Won 00.00'<br>(Won 00.00'<br>(When not obvious)<br>(When not obvio | NOTES                      | <ul> <li>All mileages are nautical.</li> <li># Indicates control tower temporarily closed UFN.</li> <li>* Indicates a non-continuously operating facility, see A/FD or flight supplement.<br/>All radials, bearings are magnetic.</li> <li>(NAME2.NAME) - Example of DP flight plan Computer Code.</li> <li>(NAME.NAME2) - Example of STAR flight plan Computer Code.</li> <li>SL-0000 (FAA) - Example of a chart reference number.</li> <li>▲ Alternate Minimums not standard.<br/>Civil users refer to tabulation. USA/USN/USAF pilots refer to appropriate regulations.</li> <li>▲ Alternate minimums are Not Authorized due to unmonitored facility or absence of weather reporting service.</li> <li>▼ Take-off Minimums not standard and/or Departure Procedures are published. Refer to tabulation.</li> </ul> |
| ROUTES                                 | 4500 MEA-Minimum Enroute Altitude<br>*3500 MOCA-Minimum Obstruction Clearance Altitude<br>270° Departure Route - Arrival Route<br>(65) Mileage between Radio Aids, Reporting Points,<br>and Route Breaks<br>Moleage between Radio Aids, Reporting Points,<br>and Route Breaks<br>Readial Line and value<br>Readial Line and value<br>Lost Communications Track<br>[12] [80] Airway/Jet Route Identification<br>(IAS) Holding<br>Pattern ∫ Changeover Point<br>Holding pattern with max. restricted airspeed<br>(175K) applies to all altitudes<br>(210K) applies to all tudes above 6000' to and<br>including 14000'  |                            |   |



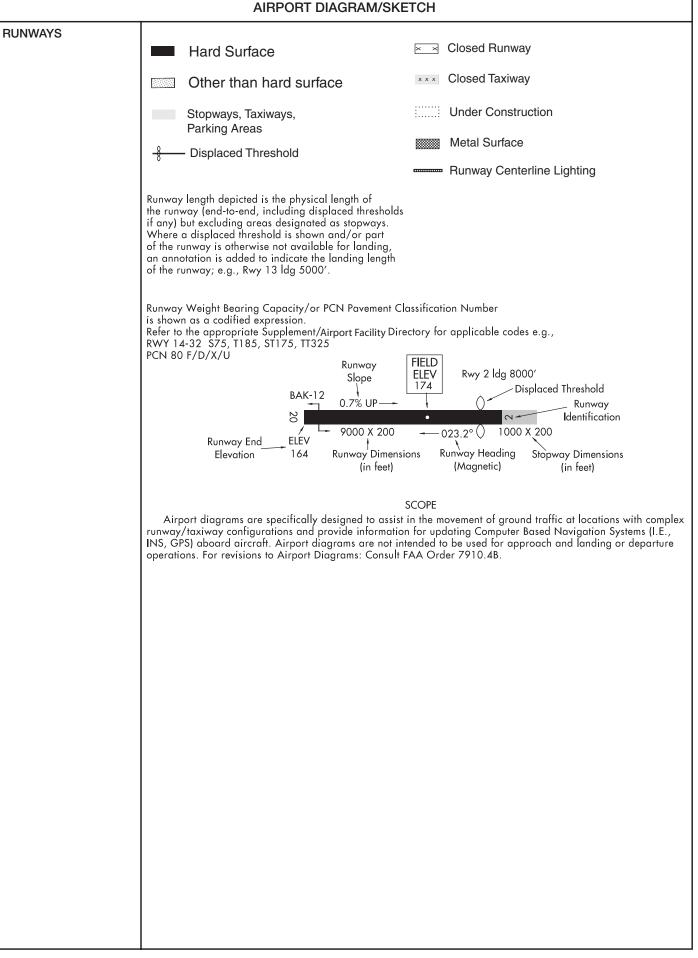


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| J9 0.3.               | TERMINAL PROCEDORES FOR   |        |  |
|-----------------------|---|--------|--|
| AIRPOF                | RT DIAGRAM/SKETCH   | AIRPOF | T DIAGRAM/SKETCH   |
| ARRESTING GEAR        | <ul> <li>uni-directional</li> <li>bi-directional</li> <li>Jet Barrier</li> <li>ARRESTING GEAR: Specific arresting gear systems;<br/>e.g., BAK12, MA-1A etc., shown on airport diagrams, not applicable to Civil Pilots. Military Pilots refer to appropriate DOD publications.</li> </ul>   | NOTES  | <ul> <li>U.S. Navy Optical Landing System (OLS) "OLS"<br/>location is shown because of its height of<br/>approximately 7 feet and proximity to edge of<br/>runway may create an obstruction for some types<br/>of aircraft.</li> <li>Approach light symbols are shown in the<br/>Flight Information Handbook.</li> <li>Airport diagram scales are variable.</li> <li>True/magnetic North orientation may vary from<br/>diagram to diagram</li> </ul> |
| REFERENCE<br>FEATURES | <ul> <li>Buildings</li> <li>Tanks</li> <li>Obstruction</li> <li>Airport Beacon</li> <li>Kunway Radar Reflectors</li> <li>Control Tower #</li> <li># When Control Tower and Rotating Beacon are co-located, Beacon symbol will be used and further identified as TWR.</li> <li>Helicopter Alighting Areas <ul> <li>Megative Symbols used to identify Copter Procedures landing point</li> <li>Megative Symbols used to identify Copter Procedures landing point</li> <li>Megative Symbols used to identify Down Runway Slope</li> <li>(shown when runway slope exceeds 0.3%) NOTE:</li> <li>Runway Slope measured to midpoint on runways 8000 feet or longer.</li> </ul> </li> </ul> |        | Coordinate values are shown in 1 or ½ minute<br>increments. They are further broken down into<br>6 second ticks, within ±600 feet unless otherwise<br>noted on the chart.<br>NOTE:<br>All new and revised airport diagrams are shown refer-<br>enced to the World Geodetic System (WGS) (noted on<br>appropriate diagram), and may not be compatible<br>with local coordinates published in FLIP. (Foreign Only)                                     |





| INSTRUMENT APPROACH PROCEDURES PLAN VIEW |  | INSTRUMENT APPROACH PROCEDURES PLAN VIEW  |   |
|--|--|---|---|
| TERMINAL ROUTES                          | Procedure Track<br>Missed Approached<br>Visual Flight Path<br>Procedure Turn<br>(Type degree and<br>point of turn<br>optional)<br><u>3100 NoPT 5.6 NM to GS Intept</u><br>(14.2 to LOM)<br>Minimum Altitude<br><u>2000</u><br>Feeder Route<br>Mileage<br>(15.1)<br>Penetrates Special<br>Use Airspace  | REPORTING<br>POINTS / FIXES/<br>WAYPOINTS | <ul> <li>▲ Name (Compulsory)</li> <li>△ Name (Non-Compulsory)</li> <li>× Mileage Breakdown/<br/>Computer Navigation Fix (CNF)<br/>N00° 00.00'</li> <li>▲ Distance</li> <li>From Facility</li> <li>▲ ARC/DME/RNAV Fix</li> <li>Radial line<br/>and value</li> <li>R-198</li> <li>Lead Radial</li> <li>LR-198</li> <li>Lead Bearing</li> <li>LB-198</li> <li>WAYPOINT</li> <li>♥</li> <li>FLYOVER WAYPOINT</li> <li>♥</li> <li>WAYPOINT COLLOCATED</li> <li>₩ WAYAID</li> </ul>   |
| HOLDING<br>PATTERNS                      | In lieu of<br>Procedure Turn<br>270<br>(1090)<br>Missed Approach<br>360<br>180<br>Holding pattern with max. restricted airspeed:<br>(175K) applies to all altitudes.<br>(210K) applies to all altitudes.<br>(210K) applies to altitudes above 6000' to and<br>including 14000'.<br>Limits will only be specified when they deviate<br>from the standard. DME fixes may be shown. | RADIO AIDS TO<br>NAVIGATIONS              | VOR       VOR/DME       Image: Constraint of the standing standard stan |

|                           | ROACH PROCEDURES PLAN VIEW  | INSTRUMENT APPF         | ROACH PROCEDURES PLAN VIEW  |
|---------------------------|---|-------------------------|---|
| MISCELLANEOUS             | VOR Changeover Point<br>RWY 15 S12°00.52'<br>W77°06.91'<br>(DOD only)   | SPECIAL USE<br>AIRSPACE | R-Restricted W-Warning<br>R-352 P-Prohibited A-Alert  |
|                           | <ul> <li>Distance not to scale</li> <li>International Boundary</li> <li>Final Approach Fix (FAF)<br/>(for non-precision approaches)</li> <li>Glide Slope/Glide Path Intercept<br/>Altitude and Final Approach Fix<br/>for precision approaches. Unless<br/>otherwise indicated, the non-<br/>precision final approach altitude<br/>is to be maintained until the next</li> </ul>  | OBSTACLES               | <ul> <li>Spot Elevation</li> <li>A Obstacle</li> <li>M Group of Obstacles</li> <li>M Highest Obstacle</li> <li>± Doubtful accuracy</li> </ul>   |
|                           | fix.<br>♥ Visual Descent Point (VDP)<br>–––→ Visual Flight Path   | FACILITIES / FIXES      | FM  |
| MINIMUM SAFE<br>ALTITUDE  | Facility $1500$ $25$ $1000$ |                         | MM<br>NDB FIX<br>OM INT<br>VOR<br>VORTAC<br>TACAN<br>WP   |
|                           | (arrows on distance circle identify sectors)  | ALTITUDES               | 5500     2300     Altinimum     Altinude     Altinude |
| TERMINAL ARRIVAL<br>AREAS | Straight-in Area  |                         |   |



