

LEGEND

Airports having Control Towers are shown in Blue, all others in Magenta. Consult Chart Supplement for details involving airport lighting, navigation aids, and services. All times are local. For additional symbol information refer to the Chart User's Guide.

AIRPORTS

- Other than hard-surfaced runways
- Seaplane Base
- Hard-surfaced runways 1500 ft. to 8069 ft. in length
- Hard-surfaced runways greater than 8069 ft. or some multiple runways less than 8069 ft.
- Open dot within hard-surfaced runway configuration indicates approximate VOR, VOR-DME, DME or VORTAC location.
- All recognizable hard-surfaced runways, including those closed, are shown for visual identification. Airports may be public or private.

ADDITIONAL AIRPORT INFORMATION

- Private ("Pvt") - Non-public use having emergency or landmark value
- Military - Other than hard-surfaced; all military airports are identified by abbreviations AFB, NAS, AAF, etc.
- Helipad Selected
- Unverified
- Abandoned - paved having landmark value, 3000 ft. or greater
- Ultralight Flight Park Selected
- Fuel availability indicated by use of tick marks around basic airport symbol. Consult Supplement for details and availability at airports with hard-surfaced runways greater than 8069 ft.
- Rotating airport beacon in operation Sunset to Sunrise
- OBJECTIONABLE - Airport may adversely affect airspace use.

AIRPORT DATA

- Box indicates FAR 93
- Special Air Traffic Rules & Airport Traffic Patterns
- Runways with Right Traffic Patterns (public use)
- *RP Special conditions exist - see Supplement.
- FSS - Flight Service Station
- NO SVFR - Fixed-wing special VFR flight is prohibited.
- CT - 118.3 - Control Tower (CT) - primary frequency
- * - Star indicates operation part-time. See tower frequencies tabulation for hours of operation.
- - Follows the Common Traffic Advisory Frequency (CTAF)
- ATIS 123.8 - Automatic Terminal Information Service
- AFIS 135.2 - Automatic Flight Information Service (AK)
- ASOS/AWOS 135.4 - Automated Surface Weather Observing Systems (shown where full-time ATIS not available). Some ASOS/AWOS facilities may not be located at airports.
- UNICOM - Aeronautical advisory station
- VFR Advisory - VFR Advisory Service shown where full-time ATIS not available and frequency is other than primary CT frequency.
- 285 - Elevation in feet
- L - Lighting in operation Sunset to Sunrise
- *L - Lighting limitations exist; refer to Supplement.
- 72 - Length of longest runway in hundreds of feet; usable length may be less.
- When information is lacking, the respective character is replaced by a dash. Lighting codes refer to runway edge lights and may not represent the longest runway or full length lighting.

CAUTION: This chart is primarily designed for VFR navigational purposes and does not purport to indicate the presence of all power transmission and telecommunication lines, terrain or obstacles which may be encountered below reasonable and safe altitudes.

REGULATIONS REGARDING FLIGHTS OVER CHARTED NATIONAL PARK SERVICE AREAS, U.S. FISH AND WILDLIFE SERVICE AREAS, BUREAU OF LAND MANAGEMENT AREAS AND U.S. FOREST SERVICE AREAS

The landing of aircraft is prohibited on lands or waters administered by the National Park Service, U.S. Fish and Wildlife Service, Bureau of Land Management or U.S. Forest Service (hereafter referred to as Agency/Agencies) without authorization from the respective agency. Exceptions include: 1) when forced to land due to an emergency beyond the control of the operator, 2) at officially designated landing sites, or 3) on approved official business of the Federal Government. All aircraft are requested to maintain a minimum altitude of 2,000 feet above the surface of the following: National Parks, Monuments, Seashores, Lakeshores, Recreation Areas, Scenic Riverways, Wildlife Refuges, Big Game Refuges, Game Ranges, Wildlife Ranges, Conservation Areas, Wild and Scenic Rivers, Wilderness Areas and Primitive Areas administered by the Agencies. FAA Advisory Circular (AC) 91-36, "Visual Flight Rules (VFR) Flight Near Noise-Sensitive Areas," defines the surface as: the highest terrain within 2,000 feet laterally of the route of flight, or the upper-most rim of a canyon or valley. Federal regulations also prohibit airports by parachute or other means of persons, cargo, or objects from aircraft on lands administered by the four agencies without authorization from the respective agency. Exceptions include: 1) emergencies involving the safety of human life, or 2) threat of serious property loss.

- Boundary of Agency Areas
- Boundary of NOAA Regulated National Marine Sanctuary Designated Areas (see <http://sanctuaries.noaa.gov/flight>).

CAUTION: Unmanned Aircraft Systems (UAS) may be approved to operate above critical infrastructure including obstacles and linear features such as high-voltage powerlines and railroads. Check NOTAMs and see AIM for details.

Flight Following Services are available on request and highly recommended in and around Class B, C, and TRSA areas.

NORTH AMERICAN AEROSPACE DEFENSE COMMAND (NORAD) PROCEDURES
All aircraft operating in the U.S. national airspace, if capable, will maintain a listening watch on guard frequencies VHF 121.5 or UHF 243.0. It is incumbent upon all aviators to know and understand their responsibilities if intercepted. Review "AIM" section 5-6-13 for intercept procedures. Additionally, if U.S. military fighter jets intercept an aircraft and flares are dispensed in the area of that aircraft, aviators will pay strict attention, contact air traffic control immediately on the local frequency or on VHF guard 121.5 or UHF 243.0 and follow the interceptor visual ICAO signals. Be advised that non-compliance may result in the use of force.

SPECIAL MILITARY ACTIVITY
The chart identifies IFR Military Training Routes and Military Operations Area within which the Department of Defense conducts periodic operations involving Unmanned Aircraft Systems. These aircraft may be accompanied by military or other aircraft which provide the pilots of the Unmanned Aircraft Systems visual observation information about other aircraft operations near them. Status of these routes and areas may be obtained by contacting the FAA/DoD facility on designated frequencies along the routes and as depicted on this chart. The lateral limits of these specified routes are shown by the Special Use Airspace symbol. Altitudes for these route segments are also shown.

Features normally used as checkpoints for controlling VFR traffic are emphasized on this series of charts so they may be readily identified.

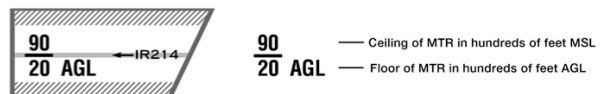
Example: **POWER PLANT**

The name shown is that used by the controlling personnel and is not necessarily the official name of the feature.

MILITARY TRAINING ROUTES (MTRs)

All IR and VR MTRs are shown, and may extend from the surface upwards. Only the route centerline, direction of flight along the route, and the route designator are depicted - route widths and altitudes are not shown.

DoD users refer to Area Planning AP/1B Military Training Routes North and South America for current routes.



AIRPORT TRAFFIC SERVICE AND AIRSPACE INFORMATION

Only the controlled and reserved airspace effective below 18,000 ft. MSL are shown.

- Class B Airspace
- Class C Airspace (Mode C - see FAR 91.215(AIM))
- Class D Airspace
- Ceiling of Class D Airspace in hundreds of feet (A minus ceiling value indicates surface up to but not including that value.)
- Class E (sf) Airspace
- Class E Airspace with floor 700 ft. above surface that laterally abuts Class G Airspace.
- Class E Airspace with floor 700 ft. above surface that laterally abuts Class E Airspace
- Class E Airspace with floor 1200 ft. or higher
- Class E Airspace with floor 1200 ft. or greater above surface that laterally abuts Class G Airspace

- 2400 MSL - Differentiates floors of Class E Airspace greater than 700 ft. above surface.
- 4500 MSL - Class E Airspace exists at 1200' AGL unless otherwise designated as shown above.
- Class E Airspace low altitude Federal Airways and RNAV 2 Routes are indicated by center line intersection - Arrows are directed towards facilities which establish intersection.

- 132° - V 69
- Total mileage between - 169
- T 319 - TK 313
- (Helicopter Only)
- Prohibited, Restricted, and Warning Areas; Canadian Advisory, Danger, and Restricted Areas
- *Alert Area and Military Operations Area (MOA)
- *Alert Areas do not extend into Class A, B, C and D airspace, or Class E airport surface areas.
- Special Airport Traffic Area (See FAR 93 for details.)
- National Defense Airspace Temporary Flight Restriction Area
- ADIZ - Air Defense Identification Zone
- MODE C (See FAR 91.215(AIM))
- National Security Area
- Terminal Radar Service Area (TRSA)
- MTR - Military Training Route

COMMUNICATION BOXES

- 122.1R 122.6 123.6
- 362 * 118.3 OAKDALE
- 122.6 CHICAGO CHI
- Underline indicates no voice on frequency.
- Crosshatch indicates Shutdown status.
- * - Operates less than continuous or On-Request.
- A - ASOS/AWOS
- R - Receive only
- 122.1R - Frequencies above thin line box are removed to NAVIAD site. Other FSS frequencies providing voice communication may be available as determined by altitude and terrain. Consult Supplement for complete information.
- FSS radio providing voice communication - MIAMI

RADIO AIDS TO NAVIGATION

- VHF OMNI RANGE (VOR)
- VOR-DME
- DME
- VORTAC
- Other facilities, i.e., FSS Outlet, RCO, WX CAM (AK) (see Supplement), etc.
- Non-Directional Radio Beacon (NDB)
- NDB - DME

OBSTRUCTIONS

- 1000 ft and higher AGL
- Above 200 ft & below 1000 ft AGL (above 299 ft AGL in urban area)
- Wind Turbine
- Group Obstruction
- Wind Turbine Farm
- Elevation of the top above mean sea level
- Height above ground
- Under construction or reported: position and elevation unverified
- Obstruction with high-intensity lights; may operate part-time
- NOTICE: Guy wires may extend outward from structures.
- 2894' UC
- 2049 (1149) UC

MISCELLANEOUS

- STADIUM
- Intermittent TFR site (within 3 NM, up to & incl 3000' AGL)
- Space Launch Activity Area
- A - Aerobatic Practice Area (See Supplement.)
- G - Glider Operations
- H - Hang Glider Activity
- U - Ultralight Activity
- UA - Unmanned Aircraft Activity
- Parachute Jumping Area (See Supplement.)
- VPXYZ - VFR Waypoints
- VPXYZ - VFR Waypoints
- NAME (VPXYZ)

TOPOGRAPHIC INFORMATION

- Power Transmission Line
- Aerial Cable
- Lookout Tower
- 618 (Elevation Base of Tower)
- Mountain Pass
- 11823 (Elevation of Pass)
- Pass symbol does not indicate a recommended route or direction of flight and pass elevation does not indicate a recommended clearance altitude. Hazardous flight conditions may exist within and near mountain passes.