# CG - 19
## LEGEND

Airports having Control Towers are shown in Blue, all others in Magenta. Consult Airport/Facility Directory (A/FD) for details involving airport lighting, navigation aids, and services. All times are local, or Coordinated Universal Time (UTC) if additional symbol information is shown.

### AIRPORTS

- Other than hard surface runway
- Hard surface runway 1,500 ft. to 8,999 ft. in length
- Hard surface runway greater than 8,999 ft. in length
- Seaplane Base
- Heliport
- Gliderport
- Military Field
- Hard surface runways with lighting systems
- Hard surface runways approximately E/W, greater than 8,999 ft. in length

All recognizable hard surface runways, including those closed, are depicted. Runways are to scale and oriented true to nearest 10°.

### ADDITIONAL AIRPORT INFORMATION

Fresno "(FAT)" — Non-public use having emergency or landmark value

Military — Military airport or heliport. Some may also be restricted by circumstances ATA, IAP, etc. Refer to appropriate publication for details. Military Training Routes (MTR) are depicted on sectional charts.

Control — Primary — Secondary

Services — fuel available and field tended during normal working hours. Normal working hours are from sunrise to sunset local time for airports having more than one time zone. For AAS, AK, & HI the Coordinated Universal Time (UTC) is used. Normal working hours are generally 8 hours per day, 5 days per week.

Limited — Limited services or operation (funnel to Business Directory)

OBJECTIONABLE — Airport may adversely affect airspace use.

### AIRPORT DATA

- Blue Airports FAR Part 139 Certificated
- Scheduled Air Traffic Rules & Airport Traffic Patterns
- Non-Control Airports
- Control Airports
- Contiguous U.S. Only

Consult A/FD for detailed information.

- Elevation of Airport
- Elevation of Helipad

### AIRPORT TRAFFIC SERVICE AND AIRSPACE INFORMATION

Only airway and nonradio airspace effective at 12,000 MSL or above are charted.

- Class A Airspace
- Class C Airspace (Mode C Veil)
- Class B Airspace (Mode C Veil)
- Class E Airspace (Class E Surface Area effective Part-time)
- Class E Airspace (Class E Surface Area effective Continuously)
- Class E Airspace (Class E Transition Area)
- Restricted Area, Prohibited Area and Warning Areas
- Military Operations Area and Nonrestricted Area
- Alert Area
- Military Operations Area (MOA) and Nonrestricted Area (NSA) for aerobatics
- Air Defense Identification Zone (ADIZ)

### MISCELLANEOUS

- Magnetic pole
- Magnetic north

### TOPOGRAPHIC INFORMATION

- Contour interval 1000 feet. Contour interval is doubled at high and pass elevation lines but indicates same elevation as single contour.
- Spot elevation in feet at location of point
- Controlling highest obstruction in feet MSL in area bounded by ticks

### COMMUNICATION BOXES

- 120.1R — 128.8 — 135.5 — Control Tower
- 118.3 — Ground Control
- 121.9 — Clearance Delivery

These boxes list individual Flight Service Stations (FSS), Control Towers (CT), Ground Control (GC), and Clearance Delivery (CD) frequencies. Not all boxes are complete and are not shown across boxes. All other communications are VHF.

Frequencies in blue boxes are normally Receive only.

Frequencies above the line box are remoted to transmit/ rec. Other FSS frequencies providing voice service are shown in the data block for the airport.

Consult appropriate A/FD for complete information.

### RADIO AIDS TO NAVIGATION

- VOR (Very High Frequency Omnidirectional Range)
- VOR-DME (VOR with Distance Measuring Equipment)
- VORTAC (VOR with TACAN)
- TACAN (UHF Navigation)
- VOT (VOR Test Facility)
- LOM (Compass Locator at Outer Marker)
- MM (Middle Marker)
- NDB (Non-Directional Radio Beacon)
- NDB - CMB

### OBSTRUCTIONS

1000 ft. and higher AGL / 1000 ft. and higher MSL

- Obstruction
- Group Obstruction
- Obstruction with high-intensity lights, top lighted (red flash)
- Wind Turbine Farm

### REPORTING CHART ERRORS

You are requested to inform us of chart errors and/or additions that come to your attention. Corrections will be made as information becomes available and posted on our website at http://aeronav.faa.gov/. Use the FAQs area to contact us by e-mail, fax number or email. Telephone toll free at 1-800-638-8972, or email us aeronav.customer@faa.gov. Write to: Aeronautical Publications, Customer Operations Team, 1305 East-West Highway, SSMC1, Suite 4600, Silver Spring, MD 20910-3281.


CG-19 WAC
WORLD AERONAUTICAL CHART SCALE 1:1,000,000

Federal Aviation Administration

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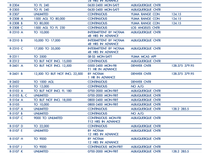
TO 0901Z 26 MAY 2016

Includes airspace amendments effective 30 APR 2015
and all other aeronautical data received by 9 MAR 2015


Consult appropriate NOTAMs and Flight Information Publications for supplemental data and current information.



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Warning: Refer to current foreign charts and flight information publications for information within foreign airspace.


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DTI DATE 15148
WAC KEY WACCXCG19


CONTOUR INTERVAL 1000 feet
Values in feet MSL
HIGHEST TERRAIN elevation is 14433 feet
located at 39° 07'N - 106° 27'W
Spot elevation . . . . . 4254
Approximate elevation . . . . . 4,000

Radio Wizard not authorized flight in the Grand Canyon Special Flight Rules Area (SFRA) and Flight Restricted Zone (FRZ). Please read carefully Grand Canyon SFRA/FRZ chapter in the Los Angeles Sectional Chart Supplement (CSUP). Pilots should refer to the Grand Canyon SFRA/FRZ Pilot's Briefing available online prior to flight. Contact Grand Canyon National Park Airport Traffic Advisory Service (ATAS) at 928-638-7888 for SFRA/FRZ operations.

CODE OF FEDERAL REGULATIONS (CFR) Section 14.91(a)
The aeronautical information contained in this publication is subject to revision as set forth in CFR Section 14.91(a).

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ATTENTION
THIS CHART CONTAINS MAXIMUM ELEVATION FIGURES (MEF).
The Maximum Elevation Figures shown in each quadrangle bounded by lines of latitude and longitude are represented by the highest known feature, whether or not above-mean-sea level. The MEF includes the highest known feature, possessing the highest known feature in each quadrangle, including terrain and obstructions (trees, towers, buildings, etc.).

Example: 12,000 feet . . . . . 12^5

CONTROL TOWER FREQUENCIES ON CG-19 WORLD AERONAUTICAL CHART

Airports with control towers are indicated on the face of the chart by the letters CT followed by the primary VHF local control frequency (key) to the nearest whole MHz. Airports with control towers operating part-time are shown as CT with the primary VHF local control frequency and those that operate 24 hours a day have the part-time tower frequency is intended to a subscribed full-time FSS for use in Airport Advisory Service (AAS) during hours the tower is closed. The primary VHF and UHF ground control frequencies are listed.

Automatic Terminal Information Service (ATIS) frequencies are shown on the face of the chart on primary control VHF/UHF frequencies. All ATIS frequencies are listed in the table below. ATIS operational hours may differ from tower operational hours.

"ASOS/AWOS" indicates Monday through Friday.

| CONTROL TOWER | OPERATES | TWR FREQ | GND CON | ATIS | AIRSPACE |
|---|---|---|---|---|---|
| ABERNATHY | 0700-2100 | 118.3 | | | |
| ALAMOGORDO-WHITE SANDS REGIONAL | CONTINUOUS | 120.3 257.7 | 121.7 348.4 | 118.0 257.7 | ASB |
| ALBUQUERQUE INTL SUNPORT | 0600-0900 | 118.85 348.5 | 121.9 | 128.4 | |
| ALBUQUERQUE-DOUGLAS INTL | 0700-2200 | 119.7 342.05 | 121.9 251.125 | | ASB |
| ALICE INTL | 0600-2400 | 120.9 343.55 | 124.4 251.125 | | ASB |
| ALLIANCE MUNI | 0600-2400 | 118.3 270.25 | 121.7 270.8 | 119.1 257.7 | ASB |
| ALTUS AFB | CONTINUOUS | 119.1 | 121.9 | | |
| ALVARADO | 0600-2400 | 122.8 (MTR) 123.6 (MTR) 251.0 (MTR) | 121.9 | | |
| AMARILLO INTL | CONTINUOUS | 118.7 269.25 | 121.7 257.8 | 119.1 269.2 | ASB |
| ANDREWS | 0600-0700 Z++ 1100-1400 Z++ 1700-2400 Z++ | 118.1 (MAP, NL, HI) 118.3 (ALL OTHR) 251.1 (MAP, EMRT, HI) | | | |
| COLORADO SPRINGS | CONTINUOUS | 118.3 269.8 | 121.7 348.4 | 120.9 254.3 | |
| DARE MCKINNON | CONTINUOUS | 118.65 255.5 | 121.8 270.8 | 379.1 | ANA |
| DENVER INTL | CONTINUOUS | 120.75 (TWR E) 124.35 (TWR W) 126.0 (TWR C) 257.8 (TWR N) 269.8 (TWR S) 340.5 (TWR S) 379.1 (TWR E) 381.0 (TWR C) 385.1 (TWR N) | 121.9 (GND E) 121.65 (GND W) 257.8 (GND N) 269.8 (GND S) | 135.0 (ARR) 124.02 (DEP) | |
| DUANE VAUX F | 0600-2000 | 122.8 | 121.9 | | |
| DYESS AFB | 0600-0400 Z++ 0900-2400 Z++ | 119.0 251.675 | 118.35 370.9 | 269.175 | ASB |
| EAGLE NEST | 0700-1700 | 122.8 | 121.9 | | |
| EL PASO INTL | CONTINUOUS | 118.9 338.275 | 121.7 346.4 | 120.9 254.3 | ASB |
| FALCON | 0600-0700 Z++ 1100-1400 Z++ 1700-2400 Z++ | 118.1 (MAP, NL, HI) 118.3 (ALL OTHR) 251.1 (MAP, EMRT, HI) | | | |
| FLAGSTAFF PULLIAM | 0600-2400 | 118.3 (MAP, EMRT) 251.1 (ALL OTHR) | 121.7 | 120.8 | |
| FOLSOM | 0700-2200 | 118.3 | 121.9 | 127.05 | |
| FORT CARSON-BUTTS AAF | 0600-2400 | 118.3 251.2 | 121.7 | 127.05 | |
| FORT LEWIS-GRAY AAF | 0600-2400 | 118.3 251.2 | 121.7 | 127.05 | |
| FORT WORTH ALLIANCE | 0600-2400 | 118.2 (MAP, EMRT) 251.1 (ALL OTHR) | 121.7 | 120.8 | |
| GARNAT | 0600-0700 Z++ 1100-1400 Z++ 1700-2400 Z++ | 118.1 (MAP, NL, HI) 118.3 (ALL OTHR) 251.1 (MAP, EMRT, HI) | | | |
| GRAND JUNCTION WALKER FIELD | 0600-2400 | 118.7 | 121.9 | 134.3 | |
| GREELEY-WELD COUNTY | 0700-2200 | 118.3 | 121.9 | 119.025 | |
| HOBBS MUNI | 0600-2400 | 118.3 257.7 | 121.7 346.4 | 118.82 330.3 | ASB |
| HOLLOMAN AFB | 0600-2400 | 120.45 377.1 | 121.7 | 118.15 | |
| HOLLOMAN AUXILIARY FIELD | 0600-2400 | 118.3 251.2 | 121.7 | 127.05 | |
| HOMESTEAD ARB | 0600-0030 Z++ 0430-2400 Z++ | 118.1 270.8 | 124.175 320.8 | 134.925 269.8 | |
| HOUSTON INTCNTL ARPT | 0600-2400 | 118.2 (MAP, DEP, EMRT) 251.1 (ALL OTHR) | 121.7 346.4 | 126.8 255.675 | ASB |
| HOUSTON SOUTHWEST | 0600-2400 | 118.3 (MAP, EMRT) 251.1 (ALL OTHR) | 121.7 | 118.25 | |
| HOUSTON WEILER AAF | 0600-2400 | 118.3 | 121.7 | 118.25 | |
| HUGHES | 0600-2400 | 118.3 (MAP, DEP, EMRT) 251.1 (ALL OTHR) | 121.7 | 127.075 | |
| HUNTSVILLE INTL-CARL T JONES FIELD | 0600-2400 | 118.3 (MAP, EMRT) 251.1 (ALL OTHR) | 121.7 | 120.8 | ASB |
| INDIAN SPRINGS AIR FORCE AUXILIARY | 0600-2400 | 118.3 | 121.7 | 127.05 | |
| JACKSONVILLE INTL | 0600-2400 | 118.3 (MAP, EMRT) 251.1 (ALL OTHR) | 121.7 | 120.8 | |
| JEAN | 0700-2200 | 118.3 | 121.9 | 119.075 | |
| KEARNS | 0600-2400 | 118.3 (MAP, EMRT) 251.1 (ALL OTHR) | 121.7 | 127.075 | |
| KELLY AFB | 0600-2400 | 118.3 (MAP, EMRT) 251.1 (ALL OTHR) | 121.7 | 120.8 | ASB |
| KELLY FIELD AUXILIARY | 0600-2400 | 118.3 251.2 | 121.7 | 127.05 | |
| KEY WEST INTL | 0600-0400 Z++ 0900-2400 Z++ | 118.3 (MAP, EMRT) 251.1 (ALL OTHR) | 121.7 | 124.075 | |
| KIRTLAND AFB | 0600-2400 | 118.3 (MAP, EMRT) 251.1 (ALL OTHR) | 121.7 | 126.8 | ASB |
| LAKE CHARLES REGIONAL | 0600-2400 | 118.3 (MAP, EMRT) 251.1 (ALL OTHR) | 121.7 | 120.8 | ASB |
| LAKE MEAD | 0600-2400 | 118.3 | 121.9 | 119.075 | |
| LAS CRUCES INTL | 0600-2400 | 118.3 (MAP, EMRT) 251.1 (ALL OTHR) | 121.7 | 120.8 | ASB |
| LAS VEGAS MCCARRAN INTL | CONTINUOUS | 118.3 251.2 | 124.4 346.4 | 132.8 270.45 | ASB |
| LEMOORE NAS-REEVES FIELD | 0600-2400 | 118.3 (MAP, EMRT) 251.1 (ALL OTHR) | 121.7 | 126.8 | ASB |
| LIBERAL MUNI | 0600-2400 | 118.3 (MAP, EMRT) 251.1 (ALL OTHR) | 121.7 | 119.1 | ASB |
| LIHUE | 0600-2400 | 118.3 (MAP, EMRT) 251.1 (ALL OTHR) | 121.7 | 120.8 | |
| LOS ALAMITOS AAF | 0600-2400 | 118.3 | 121.7 | 127.05 | |
| LOVELAND | 0700-2200 | 118.3 | 121.9 | 119.075 | |
| MARANA REGIONAL | 0600-2400 | 118.3 | 121.9 | 120.55 | |
| MARANA AFB-DAVIS-MONTHAN | CONTINUOUS | 118.3 (MAP, EMRT) 251.1 (ALL OTHR) | 121.7 | 127.075 | |
| MCALLEN MILLER INTL | 0600-2400 | 118.3 (MAP, EMRT) 251.1 (ALL OTHR) | 121.7 | 120.8 | ASB |
| MIAMI EXECUTIVE | 0600-2400 | 118.3 | 121.9 | 119.075 | |
| MIAMI INTL | CONTINUOUS | 118.3 (MAP, EMRT) 251.1 (ALL OTHR) | 121.7 | 120.8 | ASB |
| MIAMI OPA LOCKA | 0600-2400 | 118.3 | 121.9 | 119.075 | |
| MIDLAND INTL | CONTINUOUS | 118.3 (MAP, EMRT) 251.1 (ALL OTHR) | 121.7 | 120.8 | ASB |
| MIDLAND-ODESSA REGIONAL | 0600-2400 | 118.3 (MAP, EMRT) 251.1 (ALL OTHR) | 121.7 | 120.8 | ASB |
| MOUNTAIN HOME AFB | 0600-2400 | 118.3 (MAP, EMRT) 251.1 (ALL OTHR) | 121.7 | 126.8 | ASB |
| NAVAJO | 0600-2400 | 118.3 | 121.9 | 119.075 | |
| NELLIS AFB | CONTINUOUS | 118.3 (MAP, EMRT) 251.1 (ALL OTHR) | 121.7 | 126.8 | ASB |
| NEW ORLEANS NAS-ALVIN CALLENDER FIELD | 0600-2400 | 118.3 (MAP, EMRT) 251.1 (ALL OTHR) | 121.7 | 120.8 | ASB |
| NORTH ISLAND NAS-HALSEY FIELD | 0600-2400 | 118.3 (MAP, EMRT) 251.1 (ALL OTHR) | 121.7 | 126.8 | ASB |
| OCEANSIDE MUNI | 0700-2200 | 118.3 | 121.9 | 119.075 | |
| OKLAHOMA CITY WILL ROGERS WORLD | CONTINUOUS | 118.3 (MAP, EMRT) 251.1 (ALL OTHR) | 121.7 | 120.8 | ASB |
| OLATHE | 0700-2200 | 118.3 | 121.9 | 119.075 | |
| PEARSALL | 0600-2400 | 118.3 (MAP, EMRT) 251.1 (ALL OTHR) | 121.7 | 120.8 | ASB |
| PEASE ANG | 0600-2400 | 118.3 (MAP, EMRT) 251.1 (ALL OTHR) | 121.7 | 126