

Airport Operations

Types of Airports

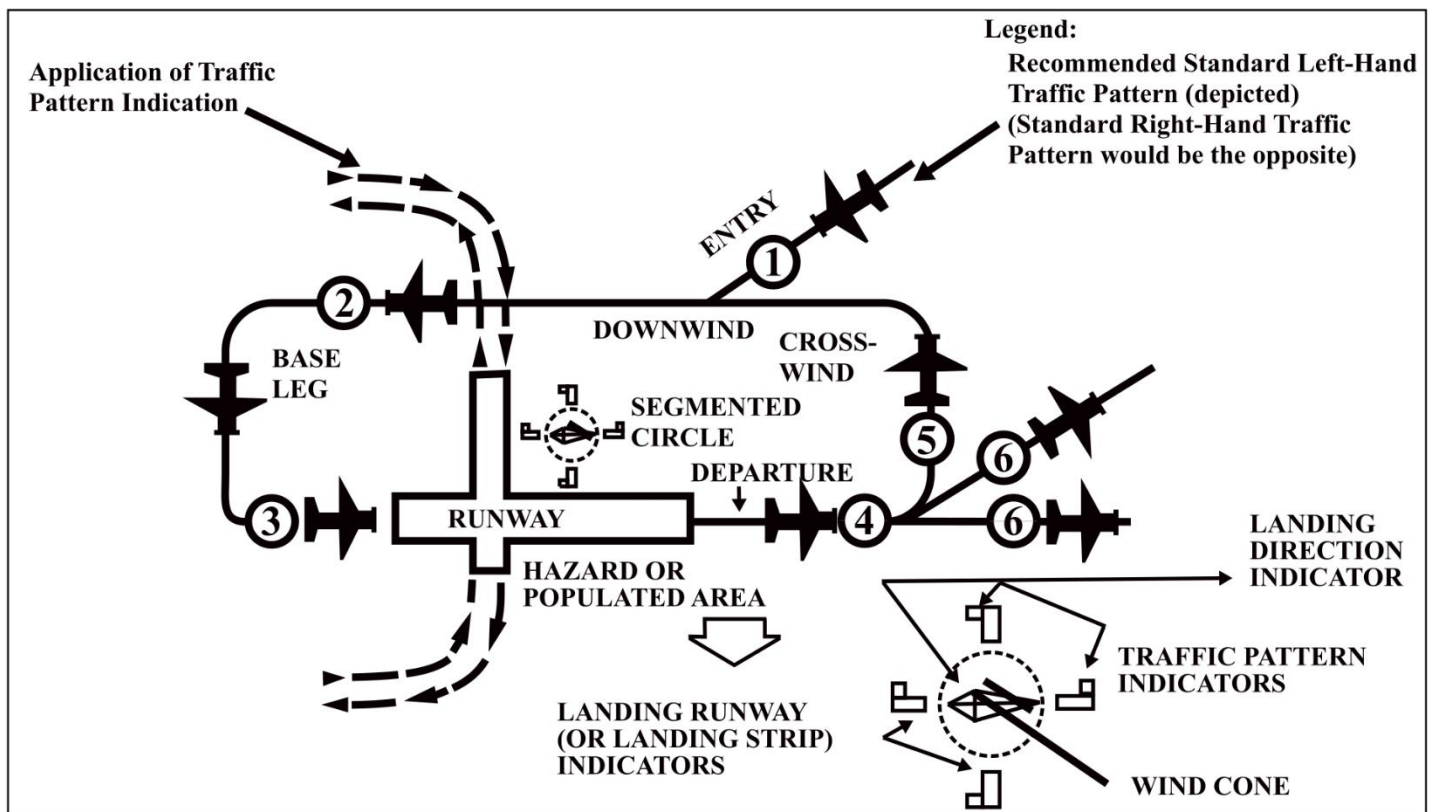
- Towered (500 + in the US)
 - ATC (air traffic control) responsible for traffic flow
 - Required communications with ATC to fly there
- Non-towered (20,000 + in US)
 - No one controlling traffic
 - Radio communication is not required
 - Use CTAF or UNICOM frequencies



Runways

- Are numbered 1-36. They correspond to the direction of travel, just add a 0 to it. For example, Runway 9 corresponds to a runway point of 90 degrees with respect to a compass which is East. 27 means 270 degrees which is West. The other end of the runway will have a different number that is 180 degrees opposite on the compass. So, runway 1 will be 19 on the other side.
- The readings are based on magnetic North

Traffic Pattern



Can fly near airports if not controlled airspace but cannot interfere with airport operations.

Airport Beacons

- Civilian airport: 1 White – 1 Green
- Military airport: 2 White – 1 Green
- Water airport: 1 White – 1 Yellow

Right of Way

- Yield right of way to any other aircraft (balloons, helicopters, gliders, etc.)
- If flying a fixed wing and approaching another fixed wing, each should yield to the right.
- See and Avoid: Can not use binoculars or FPV camera. Must use unaided eyesight. Can use binoculars to help with situational awareness.

Scanning for traffic

- Both PIC and VO should scan the scan from left to right in short intervals of no more than 10 degrees.

Chart Supplements

- Find them using skyvector.com
 - Click on the airport icon to see this information
- Most info is for manned aircraft operations but some can be used by UAS operators.
 - Communication sections give radio frequencies
 - Airport info
 - Glider and parachute info
 - Traffic patterns
 - Overall airport info

CASPER

CASPER/NATRONA CO INTL (CPR)(KCPR) 7 NW UTC-7(-6DT) N42°54.35' W106°27.82' **CHEYENNE**
5344 B LRA Class I, ARFF Index B NOTAM FILE CPR H-3F, 5A, L-11E, 12F
RWY 03-21: H10165X150 (ASPH-GRVD) S-130, D-170, 2D-270 IAP, AD
PCN 46 F/B/X/T HIRL

RWY 03: MALSR. PAPI(P4R)—GA 3.0° TCH 50'. RVR-T

RWY 21: REIL. VASI(V4L)—GA 3.0° TCH 56'. RVR-R

RWY 08-26: H8679X150 (ASPH-GRVD) S-85, D-140, 2D-260

PCN 44 F/B/X/T HIRL

RWY 08: MALSR. VASI(V4R)—GA 3.0° TCH 103'. RVR-T

RWY 26: REIL. PAPI(P4R)—GA 3.0° TCH 50'. RVR-R 0.4% up.

RUNWAY DECLARED DISTANCE INFORMATION

RWY 03: TORA-10165 TODA-10165 ASDA-10165 LDA-10165

RWY 08: TORA-8679 TODA-8679 ASDA-8679 LDA-8679

RWY 21: TORA-10165 TODA-10165 ASDA-10165 LDA-10165

RWY 26: TORA-8679 TODA-8679 ASDA-8679 LDA-8679

SERVICE: S4 FUEL 100LL, JET A OX 1, 2, 3, 4 LGT ATC-CTL. When ATCT clsd ACTVT MALSR Rwy 03 and 08; REIL Rwy 21; PAPI Rwy 03 and 26; HIRL Rwy 03-21 and Rwy 08-26; twy lgts—CTAF.

AIRPORT REMARKS: Attended continuously. Emerg pwr avbl Rwy 08-26 and Rwy 03-21. Rwy 08-26 and Rwy 03-21 have lgtd distance remaining signs. Rwys clsd to FSL, TGL, and PLA aircraft more than 250,000 lbs except for 4 hrs PPR 307-995-3949. 225 ft crane 1 NM northeast of arpt. Flight Notification Service (ADCUS) available.

AIRPORT MANAGER: 307-472-6688

WEATHER DATA SOURCES: ASOS (307) 472-8960 LAWRS 1200-0400Z†.

COMMUNICATIONS: CTAF 118.3 ATIS 126.15 UNICOM 122.95

RCD 122.6 (CASPER RADIO)

Ⓡ APP/DEP CON 120.65 (1200-0400Z†)

Ⓡ DENVER CENTER APP/DEP CON 135.6 (0400-1200Z†)

TOWER 118.3 (1200-0400Z†) GND CON 121.9 CLNC DEL 121.9

CLEARANCE DELIVERY PHONE: For CD ctc Casper Apch at 307-472-8940, when Apch clsd ctc Denver ARTCC at 303-651-4257.

AIRSPACE: CLASS D svc 1200-0400Z†; other times CLASS E.

RADIO AIDS TO NAVIGATION: NOTAM FILE CPR.

MUDDY MOUNTAIN (H) (H) VORW/DME 116.2 DDY Chan 109 N43°05.45' W106°16.62' 205° 13.8 NM to fld. 5863/12E.

ILS 111.3 I-SYD Rwy 03. Class IB. Syd LOC is unmonitored from 0400-1200Z† daily.


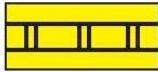









COMM/NAV/WEATHER REMARKS: Emerg freq 121.5 not avbl at twr.



HARFORD FLD (HAD)(KHAD) 5 N UTC-7(-6DT) N42°55.46' W106°18.57'

CHEYENNE

AIRPORT SIGN SYSTEMS

TYPE OF SIGN AND ACTION OR PURPOSE		TYPE OF SIGN AND ACTION OR PURPOSE	
4-22	Taxiway/Runway Hold Position: Hold short of runway on taxiway		Runway Safety Area/Obstacle Free Zone Boundary: Exit boundary of runway protected areas
26-8	Runway/Runway Hold Position: Hold short of intersecting runway		ILS Critical Area Boundary: Exit boundary of ILS critical area
8-APCH	Runway Approach Hold Position: Hold short of aircraft on approach		Taxiway Direction: Defines direction & designation of intersecting taxiway(s)
ILS	ILS Critical Area Hold Position: Hold short of ILS approach critical area		Runway Exit: Defines direction & designation of exit taxiway from runway
	No Entry: Identifies paved areas where aircraft entry is prohibited		Outbound Destination: Defines directions to takeoff runways
	Taxiway Location: Identifies taxiway on which aircraft is located		Inbound Destination: Defines directions for arriving aircraft
	Runway Location: Identifies runway on which aircraft is located		Taxiway Ending Marker Indicates taxiway does not continue
4	Runway Distance Remaining Provides remaining runway length in 1,000 foot increments		Direction Sign Array: Identifies location in conjunction with multiple intersecting taxiways