



AERONAUTICAL SYMBOLS

AERODROMES

LANDPLANE SEAPLANE

MILITARY BASE
CIVIL
JOINT CIVIL AND MILITARY BASE

AIRFIELDS OR SEAPLANE PORTS - LIMITED FACILITIES

"LIMITED FACILITIES" INCLUDES REFUELING SERVICES FOR NORMAL TRAFFIC AND LIMITED REPAIR FACILITIES

LIMITED OR NO FACILITIES
LIMITED OR NO FACILITIES OR INFORMATION THEREON NOT COMPLETE

LANDPLANE SEAPLANE

ELEVATION IN FEET
MINIMUM LIGHTING
HARD SURFACED RUNWAY
LENGTH OF LONGEST RUNWAY TO NEAREST HUNDRED FEET

ELEVATION IN FEET (SEA LEVEL)
MINIMUM LIGHTING
NORMALLY SHELTERED TAKE-OFF AREA
LENGTH OF LONGEST RUNWAY TO NEAREST HUNDRED FEET

GCA SYSTEM - GROUND CONTROL APPROACH SYSTEM, OTHER CONTROLLED APPROACH SYSTEMS BY APPROPRIATE SYMBOL

WHEN SPECIFIC INFORMATION PERTAINING TO LANDING FACILITY DATA IS LACKING, THE RESPECTIVE CHARACTER WILL BE REPLACED BY A DASH (-)

AERODROME DATA

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AIR NAVIGATION LIGHTS

ROTATING LIGHT
FLASHING LIGHT
ROTATING LIGHT
ROTATING LIGHT
FLASHING LIGHT

NUMERALS IN ITALICS INDICATE ELEVATION ABOVE MEAN SEA LEVEL

(WITH FLASHING CODE)

(WITH COURSE LIGHTS)

(WITH CODE)

OBSTRUCTION LIGHT

MARINE LIGHT

LIGHTSHIP

MARINE LIGHT CHARACTERISTICS

F: Fixed, Flashing, Occulting, Alternating, Grouped, Rapid, White, Green, Blue, (U) - Unwatched, SEC - Second, Second

Marine alternating lights are red and white unless otherwise indicated. Marine lights are white unless colors are stated.

RADIO FACILITIES

USE OF THE WORD "RADIO" WITHIN THE BOX INDICATES VOICE FACILITIES

RADIO RANGE (WITH VOICE)
RADIO RANGE (WITHOUT VOICE)
MARINE RADIO BEACON (WITHOUT VOICE)
RADIO DIRECTION FINDER (WITH VOICE)
RADIO COMMUNICATION STATION (WITH VOICE)

WOODY RADIO
KAZAN
WILLOW RANGE
EVERETT
MANUA RADIO
GOWEN RADIO

RADIO COMMUNICATION STATION (WITHOUT VOICE)
RADIO BROADCASTING STATION
RADIO FAN MARKER BEACON
RADIO BEACON, NON-DIRECTIONAL (HOMING)
REPORTING POINT

CS KAZAN 5200 WYVW
BS WOL 600
EVERETT
EASTON
RD BEDFORD RADIO 522 DBH
BRANT

AURAL RANGE

AURAL RANGE

The heavy line indicates the "N" quadrant. The bearings shown are magnetic and the magnetic variation at the position of the ground station is used for computing them.

MISCELLANEOUS

MOORING MAST
DIRIGIBLE BASE
OCEAN STATION VESSEL (NORMAL POSITION)
LIGHTED OBSTRUCTION
OBSTRUCTION (NUMERALS IN ITALICS INDICATE ELEVATION ABOVE SEA LEVEL OF TOP, WHERE REQUIRED, HEIGHTS ABOVE GROUND SHALL BE ADDED IN UPRIGHT TYPE WITHIN PARENTHESES)

VISUAL GROUND SIGN
TOWN HAVING VISUAL GROUND SIGN
PROMINENT TRANSMISSION LINE
ISOGONIC LINE OR ISOGONAL
ISOGONIC LINE OR ISOGONAL

AIR MARKER
HOUSTON
8°E

GROUND TO AIR EMERGENCY CODE DISTRESS SIGNALS

REQUIRE DOCTOR, SERIOUS INJURIES
REQUIRE MEDICAL SUPPLIES
UNABLE TO PROCEED
REQUIRE FOOD AND WATER
REQUIRE FIREARMS AND AMMUNITION
REQUIRE MAP AND COMPASS

REQUIRE SIGNAL LAMP WITH BATTERY, AND RADIO
AM PROCEEDING IN THIS DIRECTION
WILL ATTEMPT TAKE-OFF
AIRCRAFT SERIOUSLY DAMAGED
PROBABLY SAFE TO LAND HERE
IF IN DOUBT, USE INTERNATIONAL

REQUIRE FUEL AND OIL
ALL WELL
NO
YES
NOT UNDERSTOOD
REQUIRE MECHANIC

L
LL
N
F
J
Y
SOS
W

INSTRUCTIONS:

1. Lay out symbols by using strips of fabric or parachutes, pieces of wood, stones, or any available material.

2. Provide as much color contrast as possible between material used for symbols and background against which symbols are exposed.

3. Symbols should be at least 10 feet high or larger, if possible. Care should be taken to lay out symbols exactly as shown to avoid confusion with other symbols.

4. In addition to using symbols, every effort is to be made to attract attention by means of radio, flares, smoke, or other available means.

5. When ground is covered with snow, signals can be made by dragging, shoveling or tamping the snow. The depressed areas forming the symbols will appear to be black from the air.

6. Pilot should acknowledge message by rocking wings from side to side.

Scale 1:1,000,000 or 1 inch=15.8 miles

0 20 40 60 80 Kilometers

0 10 20 30 40 50 60 Nautical Miles

0 10 20 30 40 50 60 70 80 Miles



WORLD AERONAUTICAL CHART INDEX

Scale of Series 1:1,000,000

CIVIL CHART SUPPLY

Authorized agents for the sale of aeronautical charts have been appointed at certain airports throughout the United States for the distribution of aeronautical charts. A list of these agents, with the dates of latest prints of charts, will be printed from time to time in Notices to Airmen. This information may also be obtained from the Director, U. S. Coast and Geodetic Survey.

Requests for charts may also be made to the Director, U. S. Coast and Geodetic Survey, Washington 25, D. C., or to authorized dealers.

A discount of 33-1/3% from full published prices is allowed on aeronautical and auxiliary charts amounting to \$10 gross when made in one shipment to one address. Charts are not returnable.

MILITARY CHART SUPPLY

(Ref: AAF Reg. 65-82, dated 26 Apr. 1944)

1. Aeronautical charts, maps and publications distributed by Aeronautical Chart Service are indexed or listed in the current edition of the AF "Catalog of Aeronautical Charts and Related Publications." Miscellaneous maps and charts not appearing in the Catalog will be procured and furnished by Aeronautical Chart Service through special order, when sufficiently identified in requisitions as to name or number, scale, projection, and publisher if known.

2. Requisitioning.

a. Outside Continental United States:

(1) AF activities are to submit requisitions to the supply facility designated by the Theater Commander for maintenance and distribution of aeronautical charts and maps.

(2) Theater supply facilities are to submit requisitions for replenishment of stocks of aeronautical charts and maps through channels to Headquarters AF, Aeronautical Chart Service, Washington, D. C.

b. Within Continental United States: Requisitions from AF activities within Continental United States are to be submitted to appropriate Regional Store as shown on Aeronautical Chart Supply System geographic diagram in AF Aeronautical Chart Catalog. Except when emanating from an Air Force, Wing, or Command Headquarters, requisitions are to bear the signature or approval by indorsement of the Base or Station Operations Officer. Quantities of charts and maps requested are to be such as to assure the maintenance of a 30-day supply at all times but not to exceed a 60-day supply.

3. Obsolete Charts.

a. Aeronautical charts rendered obsolete for air by a revised edition, when not practicable to correct for conformity with new edition, are to be salvaged if feasible, or else destroyed. Disposition by salvage or destruction is to be made in accordance with provisions of AR 880-5.

DRAINAGE FEATURES

SHORE LINES (RELIABLE & UNRELIABLE)
MUD & TIDAL FLATS
CORAL REEFS & LEDGES
SHOALS & SAND BARS
CHARTED ROCK
DANGER LINES
RIVERS & LAKE (PERENNIAL)

RIVERS & LAKE (NON-PERENNIAL)
RIVERS & STREAMS (UNRELIABLE)
RAPIDS & FALLS
WASH (BLUE AND BROWN)
CANALS
ABANDONED CANAL TUNNEL (CANAL)
DRY LAKE BED (BLUE AND BROWN)

LAKES (PERENNIAL & NON-PERENNIAL)
GLACIER
SALT PANS (EVAPORATOR)
RICE FIELD
SWAMP
SPRING
WELL
WATER HOLE
RESERVOIR

RELIEF FEATURES

CONTOURS
APPROXIMATE CONTOURS
HACHURES
BLUFF, CLIFF OR ESCARPMENT
LAVA FLOW
SAND DUNES
SAND AREA
SAND RIDGES
LEVEE OR ESKER

CULTURAL FEATURES

PROMINENT LANDMARKS (WITH APPROPRIATE NOTES)
OIL TANKS
OIL FIELD
MINE
LOOKOUT TOWER
RANGER STATION
COAST GUARD STATION
RACE TRACK OR STADIUM

DAMS
PIPE LINE
BOUNDARY (INTERNATIONAL)
BOUNDARY (STATE)
OVERPASS (RAILROAD)
UNDERPASS (RAILROAD)
BRIDGE (RAILROAD)
TUNNEL (RAILROAD)

RAILROAD (SINGLE TRACK)
RAILROAD (MULTIPLE TRACKS)
RAILROAD (ABANDONED)
HIGHWAY (DUAL LANE)
HIGHWAY (MAIN ROUTE)
HIGHWAY (SECONDARY ROUTE)
TRAIL
BRIDGE (HIGHWAY)
TUNNEL (HIGHWAY)

SPOT ELEVATIONS (IN FEET)
HIGHEST ELEV ON CHART (IN FEET)