



V502, EDITION 3

Prepared by the Army Map Service (AMS), Corps of Engineers, U.S. Army, Washington, D.C. Compiled in 1955 by photogrammetric methods and from United States quadrangle, 1:125,000, 1903. Planimetric detail revised by photogrammetric methods. Horizontal and vertical control by USGS, USCGS, and USCE. Photography from annotated 1954. Limited revision by U.S. Geological Survey 1967.

100,000-foot grids based on Missouri coordinate system, central and west zones and Iowa coordinate system, south zone

ROAD DATA 1954
Figures in red denote approximate distances in miles between stars

LEGEND
PARTIALLY REVISED 1967

POPULATED PLACES
Over 500,000
100,000 to 500,000
25,000 to 100,000
5,000 to 25,000
1,000 to 5,000
Less than 1,000

RAILROADS
Standard gauge
Narrow gauge
Interurban
State
County
Park or reservation

LANDMARKS
Landplane airport
Landing area
Seaplane airport
Seaplane anchorage
Woods brushwood

ROADS
Hard surface, heavy duty
Two lanes wide, Federal route marker
Hard surface, medium duty
More than two lanes wide
Improved light duty
Unimproved dirt
Trail

LANDMARKS
School; Church; Other
Spot elevation in feet
Marsh or swamp
Intermittent or dry stream
Power line

APPROXIMATE ROAD ALIGNMENT

Scale 1:250,000

20 Statute Miles
30 Kilometres
15 Nautical Miles

CONTOUR INTERVAL 50 FEET
WITH SUPPLEMENTARY CONTOURS AT 25 FOOT INTERVALS
TRANSVERSE MERCATOR PROJECTION

BLACK NUMBERED LINES INDICATE THE 10,000 METRE UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 15
1965 MAGNETIC DECLINATION FROM TRUE NORTH FOR THIS SHEET VARIES FROM 7° (120 MILS) EASTERLY
FOR THE CENTER OF THE WEST EDGE TO 6° (110 MILS) EASTERLY FOR THE CENTER OF THE EAST EDGE

FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092

LOCATION DIAGRAM

TO GIVE A STANDARD REFERENCE ON THIS SHEET TO NEAREST 1000 METRES

GRID ZONE DESIGNATION: 15T

100,000 M. SQUARE IDENTIFICATION

VR WR
VQ WQ

50

4430000

1. Read letters identifying 100,000 metre square in which the point lies.
2. Locate first VERTICAL grid line to LEFT of point and read LARGE figure below the line either in the top or bottom margin, or on the line itself.
3. Estimate tenths from grid line to point.
4. Locate first HORIZONTAL grid line BELOW point and read LARGE figure below the line either in the left or right margin, or on the line itself.
5. Estimate tenths from grid line to point.

EXAMPLE: 4430000

IF REPORTING BEYOND 10' IN ANY DIRECTION, prefix Grid Zone Designation, 4430000

15T

TO GIVE A STANDARD REFERENCE ON THIS SHEET TO NEAREST 1000 METRES

SAMPLE POINT: HARTFORD

1. Read letters identifying 100,000 metre square in which the point lies.
2. Locate first VERTICAL grid line to LEFT of point and read LARGE figure below the line either in the top or bottom margin, or on the line itself.
3. Estimate tenths from grid line to point.
4. Locate first HORIZONTAL grid line BELOW point and read LARGE figure below the line either in the left or right margin, or on the line itself.
5. Estimate tenths from grid line to point.

EXAMPLE: 4430000

IF REPORTING BEYOND 10' IN ANY DIRECTION, prefix Grid Zone Designation, 4430000

15T

TOWNSHIP OR RANGE LINE
LAND GRANT BOUNDARY

USGS
Historical File
Topographic Division

CENTERVILLE, IOWA; MISSOURI

1954
LIMITED REVISION 1967

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