1:50,000

# WGS-84

# KRALJEVO

EDITION 3-DMA SERIES M709 SHEET 3182 III

One second of longitude equals 22.37 m

GRABAK 1.2 KM. ADRANI 4.0 km SINDELIĆI 1.8 km STANICA ADRANI 3.2 km. DONJE SELO 6.8 KM. OPLATNIĆI 1.5 km

20°23'57.3" 52 53 25' 54 55 56 57 58 59 30' 60 61 62 63 64 65 66 35' 67 68 69 70 71 72 73 40' 74 75 20°41'57.3"

43°44'56.8" 44 43 42 41 40 39 38 37 36 40' 35 34 33 32 31 30 29 28 27 26 35' 25 24 23 22 21 20 19 18 17 30' 43°29'56.8"

One second of latitude equals 30.86 m

ZEČEVIĆ 3.0 km

GORNJI DUBAC 7.1 KM.

SUMARICE 5.3 KM.

RATINA 4.4 KM.

KOVANLUK 1.6 km

KOMOŠTRA 2.8 km.

KAMENICA 3.0 km.

BISERSKE KUĆE 10 km

Scale 1:50,000

One second of longitude equals 22.47 m

1 ½ 0 1 2 3 Statute Miles

1000 500 0 1000 2000 3000 4000 Meters

1000 500 0 1000 2000 3000 4000 Yards

1 ½ 0 1 2 3 Nautical Miles

CONTOUR INTERVAL 20 METERS WITH SUPPLEMENTARY CONTOURS AT 10 METER INTERVALS

ΙΣΟΔΙΑΣΤΑΣΙΣ 20 ΜΕΤΡΑ ΜΕΤΑ ΒΟΗΘΗΤΙΚΩΝ ΚΑΜΠΥΛΩΝ ΙΣΟΔΙΑΣΤΑΣΕΩΣ 10 ΜΕΤΡΩΝ.

LIMITED REVISIONS AS OF 1995 MAP INFORMATION AS OF 1993

**Prepared by the Army Map Service (S & H), Corps of Engineers, U. S. Army, Washington, D. C. Compiled in 1959 from Karte des Nordwestbalkan, 1:50,000, Generalstab des Heeres, Sheets 98/3, 98/4, edition 1943. Planimetric detail revised by photo-planimetric methods. Map not field checked.**

Prepared and published by the Defense Mapping Agency
Aerospace Center, St. Louis, Missouri.

**CAUTION**
THIS PRODUCT MAY NOT CONFORM TO THE HORIZONTAL ACCURACY REQUIREMENTS FOR 1:50,000 TOPOGRAPHIC LINE MAPS. EXTREME CAUTION SHOULD BE USED WHEN MAKING MEASUREMENTS.

## LEGEND ΥΠΟΜΝΗΜΑ

**Black figures along roads indicate road widths in meters.•**
Τὰ μαῦρα ψηφία (ἀριθμῶν) κατὰ μῆκος ὁδῶν δεικνύουσι τὸ πλάτος αὐτῶν (τῶν ὁδῶν) εἰς μέτρα

**On this map a lane is generally considered as being 8 to 12 feet (2.5 to 3.6 meters) in width. Known exceptions are indicated on the face of the map.**
Αἱ ἐπὶ τοῦ χάρτου ὁδοὶ θεωροῦνται γενικῶς ὡς ἔχουσαι πλάτος ἀπὸ 8 - 12 ποδία (2,5 - 3,6 μ.). Γνωσταὶ ἐξαιρέσεις σημειοῦνται ἐπὶ τῆς ὄψεως τοῦ χάρτου.

ROADS ΟΔΟΙ:
- All weather, hard surface, two or more lanes wide — Ἀμαξιτὴ ὁδὸς ἀσφαλτόστρωτος δύο ἢ περισσοτέρων ρευμάτων κυκλοφορίας — [3 LANES]
- All weather, loose or light surface, two or more lanes wide — Ἀμαξιτὴ ὁδὸς συμπαγὴς ἢ ἁπλῶς ἀμμοχάλικος δύο ἢ περισσοτέρων ρευμάτων κυκλοφορίας — [3 LANES]
- All weather, hard surface, one lane wide ; Route marker — Ἀμαξιτὴ ὁδὸς ἀσφαλτόστρωτος ἑνὸς ρεύματος κυκλοφορίας. ὁδοῦ. — (16)
- All weather, loose or light surface, one lane wide — Ἀμαξιτὴ ὁδὸς συμπαγὴς ἢ ἁπλῶς ἀμμοχάλικος ἑνὸς ρεύματος κυκλοφορίας
- Fair or dry weather, loose surface — Ἀμαξιτὴ ὁδὸς μὴ συμπαγὴς ἐπιφανείας βατὴ μὲ καλὸν ἢ ξηρὸν καιρόν.
- Cart track; Footpath, trail — Καροποίητος ὁδός, ἀτραπός, ἡμιονικὴ.
- Tree lined road — Ὁδὸς μετὰ δενδροστοιχίας

RAILROADS ΣΙΔΗΡ. ΓΡΑΜΜΑΙ: (Single track / Double track)
- Normal gauge 1.44 m. (4'8½") — Κανονικὸν πλάτους 1,44 μ. - 4' 8½"
- Narrow gauge — Στενὸ πλάτους

BOUNDARIES ΟΡΙΑ
- International — Διεθνὴς (Κράτους).
- Primary administrative — Νομοῦ.
- Secondary administrative — Ἐπαρχίας.
- Wall; Fence or hedgerow — Τεῖχος, φράκτης μικροῦ ὕψους ἢ φράκτης φυτικὸς
- Prominent fence — Φράκτης ἐμφανὴς. (ξέξεχων).
- Earthen dam; Levee — Χωμάτινα φράγμα. ἀνάλογα.
- Sinkholes — Κάθισται ἀεύδατοι
- Mine or quarry; Located object — Μεταλλεῖον ἢ λατομ. Ἀντικεῖμ. ὑπόπεδ. προσδιορισθὲν
- Spot elevations in meters: Checked; Unchecked — Ὑψομέτρησις εἰς μέτρα: Ἐλεγχθεῖς, μὴ ἐλεγχθεῖς — •792 ×792

Built-up area Κατωκημένοι τόποι.
Area name Ὄνομα περιοχῆς — TROJA
Bench mark, monumented ; Horizontal control point — Σημεῖον ἐπισημανθὲν • (βάθρον), Τριγωνομετρικὸν — BM ×792 △
Lighthouse; Windmill; Water mill Φάρος, Ἀνεμόμυλος, Ὑδρόμυλος
School; Shrine: Christian; Moslem — Σχολεῖον, Ναὸς Χριστιανικὸς, Μωαμεθμανικὸς,
Church; Mosque; Synagogue; Chapel — Ἐκκλησία, Τέμενος, Συναγωγή, Παρεκκλήσιον
Cemetery: Christian; Moslem; Hebrew — Νεκροταφεῖον Χριστιανικὸν, Μωαμεθανικὸν, Ἰουδαϊκὸν.
Woods-brushwood; Scrub — Δάσος ἢ καμπόκαδα, Θάμνοι.
Orchard; Vineyard or hops — Ὀπωρῶνα δένδρ. Ἀμπελῶνες ἢ Λυκίσκος
Depth curves and soundings in meters — Βυθομετρικαὶ καμπύλαι, βάθη εἰς μέτρα.
Sunken rocks; Foreshore flats — Ὕφαλος μὴ ἀποκαλυπτομένη, Ἀκτὴ Χθαμαλή
Rocks awash; Reef — Ἐκβολάδες, Ὕφαλος. Ἀποκαλυπτομένη
Limit of danger; Submerged reef — Ὅριον κινδύνου; Ὕφαλος.
Wreck: Sunken; Exposed — Ναυάγιον· Βυθισμένον. ἡμιβυθισμένον.
Wharf or pier; Sea wall — Ἀποβάθρα ἢ ἰσπηλόβολα, Κυματοθραύστης
Marsh or swamp — Ἕλος ἢ τέλμα

REVISIONS IN PURPLE
LEGEND

- Built-up area
- Building
- All weather hard surface roads
- All weather loose surface roads
- Fair/dry weather roads, tracks, streets
- Railroad
- Drainage
- Powerline
- Landmark area
- Landmark feature
- Bridge
- Water
- International route marker — E101
- National route marker — 4
- Spot elevation: Highest; Normal — •963 •234
- Elevation of obstruction top above sea level — 430
- Elevation of obstruction top above ground level — (70)

GRID ZONE DESIGNATION: ΕΝΔΕΙΞΙΣ ΖΩΝΗΣ ΤΕΤΡΑΓΩΝΙΣΜΟΥ: 34T

100,000 M. SQUARE IDENTIFICATION ΧΑΡΑΚΤΗΡΙΣΜΟΣ ΤΕΤΡΑΓΩΝΟΥ 100.000 Μ

DP

IGNORE the SMALLER figures of any grid number; these are for finding the full coordinates. Use ONLY the LARGER figures of the grid number; ΑΓΝΟΗΣΑΤΕ τὰ ΜΙΚΡΑ ψηφία εἰσαθήνετε ἀριθμοῦ τοῦ τετραγ. Ταῦτα χρησιμεύουν διὰ τὰ εὕρετε τὰς πλήρεις συντεταγμένας. Χρησιμοποιήσατε ΜΟΝΟΝ τὰ ΜΕΓΑΛΑ ψηφία. Παράδειγμα. 4817000

TO GIVE A STANDARD REFERENCE ON THIS SHEET TO NEAREST 100 METERS — ΣΤΡΑΤΙΩΤΙΚΗ ΑΝΑΦΟΡΑ ΤΕΤΡΑΓ. ΜΕ ΠΡΟΣΕΓΓΙΣΙΝ 100 Μ. ΑΦΘΟΝΤΟΣ ΣΗΜΕΙΟΥ ΕΠΙ ΤΟΥ ΧΑΡΤΟΥ ΤΟΥΤΟΥ

SAMPLE POINT: ΠΑΡΑΔΕΙΓΜΑ ΣΗΜΕΙΟΥ: DOLOVI

| | DP | | |
|---|---|---|---|
| 1. Read letters identifying 100,000 meter square in which the point lies: | | | |
| 2. Locate first VERTICAL grid line to LEFT of point and read LARGE figures labeling the line either in the top or bottom margin, or on the line itself: | | 66 | |
| Estimate tenths from grid line to point: | | 4 | |
| 3. Locate first HORIZONTAL grid line BELOW point and read LARGE figures labeling the line either in the left or right margin, or on the line itself: | | | 19 |
| Estimate tenths from grid line to point: | | | 7 |

1 Ἀναγνώσατε τὰ γράμματα τὰ ταυτοποιοῦντα τὸ τετρ. τῶν 100.000 μ. εἰς ὃ εὑρίσκεται τὸ σημεῖον.
2 Λάβετε τὴν πρώτην ΚΑΤΑΚΟΡΥΦΟΝ γραμμὴν τοῦ τετραγ πρὸς τ' ΑΡΙΣΤΕΡΑ τοῦ σημείου, καὶ ἀναγνώσατε τὰ ΔΥΟ ΜΕΓΑΛΑ ψηφία, τοῦ ἀριθμοῦ τὰ γεγραμμένα εἰς τὰ ἄνω ἢ τὰ κάτω περιθώριον, ἢ ἐπ' αὐτῆς ταύτης τῆς γραμμῆς.
Ἐστιμήσατε εἰς δέκατα τοῦ μεταξὺ τῶν γραμμῶν τετραγ. διαστήματος ἀπόστασιν τοῦ σημείου, ἀπὸ τῆς γραμμῆς τετραγ.
3 Λάβετε τὴν πρώτην ΟΡΙΖΟΝΤΙΑΝ γραμμὴν τοῦ τετραγ ΚΑΤΩΘΙ τοῦ σημείου, καὶ ἀναγνώσατε τὰ ΔΥΟ ΜΕΓΑΛΑ ψηφία τοῦ ἀριθ τὰ γεγραμμένα εἰς τὸ ἀριστερὸν ἢ τὸ δεξιὸν περιθώριον, ἢ τὰ αὐτῆς ταύτης τῆς γραμμῆς.
Ἐστιμήσατε εἰς δέκατα τοῦ μεταξὺ τῶν γραμμῶν τετραγ. διαστήματος ἀπόστασιν τοῦ σημείου ἀπὸ τῆς γραμμῆς τετραγ.

SAMPLE REFERENCE: ΠΑΡΑΔΕΙΓΜΑ ΑΝΑΦΟΡΑΣ — DP664197

If reporting beyond 18° in any direction, prefix Grid Zone Designation, as — Ἐὰν ἡ πρὸς ἣν ἀναφέρεσθε ἀφὴ εὑρίσκεται πέραν τῶν 18° ἀπὸ σύνθετον διεύθυνσιν, τότε προτάξατε καὶ τὸν ἐνδείκτην τῆς ζώνης τετρ. — 34TDP664197

REVISIONS AS OF 1995

ELEVATIONS IN METERS

ELLIPSOID . . . . . WORLD GEODETIC SYSTEM 1984
GRID . . . . . 1,000 METER UTM ZONE 34
PROJECTION . . . . . TRANSVERSE MERCATOR
VERTICAL DATUM . . . . . MEAN SEA LEVEL
HORIZONTAL DATUM . . . . . WORLD GEODETIC SYSTEM 1984
PRINTED BY . . . . . DMAAC 7-95

COORDINATE CONVERSION WGS 84 TO ED 50
Grid: Add 60m E., Add 186m N.
Geographic: Add 2.7" Long., Add 3.2" Lat.

GRID CONVERGENCE 0°19' (5 1/2 MILS) FOR CENTER OF SHEET

ΣΥΓΚΛΙΣΙΣ ΤΕΤΡΑΓΩΝΙΣΜΟΥ 0°19' (5 1/2 ΧΙΛΙΟΣΤΑ) ΔΙΑ ΤΟ ΚΕΝΤΡΟΝ ΤΟΥ ΦΥΛΛΟΥ

1990 G-M ANGLE 2 1/2° (40 MILS)
1990 G-M ΓΩΝΙΑ 2 1/2° ( 40 ΧΙΛΙΟΣΤΑ)

GN — TRUE NORTH — GRID NORTH — MAGNETIC NORTH

TO CONVERT A MAGNETIC AZIMUTH TO A GRID AZIMUTH ADD G-M ANGLE

ΔΙΑ ΤΗΝ ΜΕΤΑΤΡΟΠΗΝ ΤΟΥ ΜΑΓΝΗΤΙΚΟΥ ΑΖΙΜΟΥΘΙΟΥ ΕΙΣ ΑΖΙΜΟΥΘΙΟΝ ΤΕΤΡΑΓΩΝΙΣΜΟΥ ΠΡΟΣΘΕΣΑΤΕ ΤΗΝ ΓΩΝΙΑΝ G-M

TO CONVERT A GRID AZIMUTH TO A MAGNETIC AZIMUTH SUBTRACT G-M ANGLE

ΔΙΑ ΤΗΝ ΜΕΤΑΤΡΟΠΗΝ ΤΟΥ ΑΖΙΜΟΥΘΙΟΥ ΤΕΤΡΑΓΩΝΙΣΜΟΥ ΕΙΣ ΜΑΓΝΗΤΙΚΟΝ ΑΖΙΜΟΥΘΙΟΝ ΑΦΑΙΡΕΣΑΤΕ ΤΗΝ ΓΩΝΙΑΝ G-M

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## BOUNDARIES

SERBIA +

Names and boundaries of administrative divisions in Serbia are not available.

+ Serbia and Montenegro have asserted the formation of a joint independent state, but this entity has not been formally recognized as a state by the United States.

## ADJOINING SHEETS

| | | |
|---|---|---|
| 3082 I | 3182 IV | 3182 I |
| 3082 II | 3182 III | 3182 II |
| 3081 I | 3181 IV | 3181 I |

Sheet 3182 III falls within NK 34-2, 1501A, 1:250,000.

## ELEVATION GUIDE

High Medium Low

## GLOSSARY–ΛΕΞΙΔΟΓΙΟΝ

| | | |
|---|---|---|
| Banja | spa | Λουτρά |
| Brdo | mountain, hill | Ὄρος Δοφος |
| Čuka | peak | Κορυφή |
| Do | valley | Κοιλάς |
| Glava | peak | Κορυφή |
| Glavica | peak | Κορυφή |
| Kamen | rock | Βράχος |
| Kosa | spur | Ἄκρα Ὄρους |
| Krš | rocky ground | Βραχώδες Ἔδαφος |
| Manastir | monastery | Μονή |
| Planina | mountain | Ὄρος |
| Potok | stream | Ρεῦμα |
| Reka | river | Ποταμός |
| Stanica | station | Σταθμός |
| Stena | rock | Βράχος |
| Vrelo | source | Πηγή |
| Vrh | peak | Κορυφή |

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**THIS MAP IS RED-LIGHT READABLE**

WGS-84

DMA STOCK NO. M709X31823

ED NO. 003

**KRALJEVO, *SERBIA +* 3182 III M709 EDITION 3-DMA**