

Each Grid Zone Designation is further subdivided into “100,000 meter square identification” grid boxes as shown in the graphic to the right. Belfast, Maine is located on dividing line of the 100,000 meter squares identified as “DK” and “EK”.

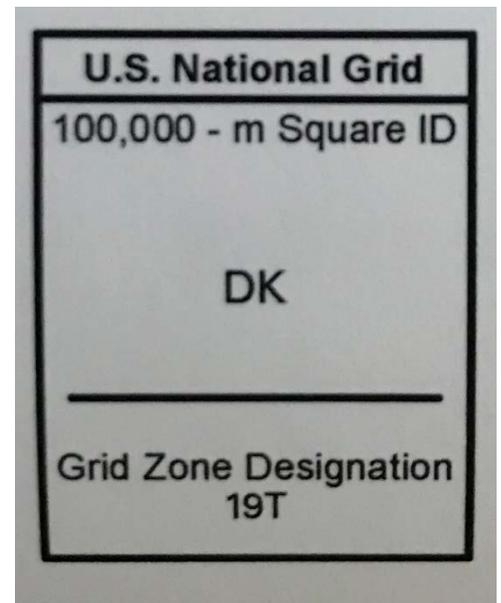
MGRS* and USNG 100,000-meter Square Identification

ZONES	SET 1 1, 7, 13, 19, 25, 31, 37, 43, 49, 55	SET 2 2, 8, 14, 20, 26, 32, 38, 44, 50, 56	SET 3 3, 9, 15, 21, 27, 33, 39, 45, 51, 57	SET 4 4, 10, 16, 22, 28, 34, 40, 46, 52, 58	SET 5 5, 11, 17, 23, 29, 35, 41, 47, 53, 59	SET 6 6, 12, 18, 24, 30, 36, 42, 48, 54, 60
2,000,000 m	AV BV CV DV EV FV GV HV	JE KE LE ME NE PE OE RE	SV TV UV VV WV XV YV ZV	AE BE CE DE EE FE GE HE	JV KV LV MV NV PV QV RV	SE TE UE VE WE XE YE ZE
	AU BU CU DU EU FU GU HU	JD KD LD MD ND PD QD RD	SU TU UU VU WU XU YU ZU	AD BD CD DD ED FD GD HD	JU KU LU MU NU PU QU RU	SD TD UD VD WD XD YD ZD
	AT BT CT DT ET FT GT HT	JC KC LC MC NC PC QC RC	ST TT UT VT WT XT YT ZT	AC BC CC DC EC FC GC HC	JT KT LT MT NT PT QT RT	SC TC UC VC WC XC YC ZC
	AS BS CS DS ES FS GS HS	JB KB LB MB NB PB QB RB	SS TS US VS WS XS YS ZS	AB BB CB DB EB FB GB HB	JS KS LS MS NS PS QS RS	SB TB UB VB WB XB YB ZB
1,500,000 m	AR BR CR DR ER FR GR HR	JA KA LA MA NA PA QA RA	SR TR UR VR WR XR YR ZR	AA BA CA DA EA FA GA HA	JR KR LR MR NR PR QR RR	SA TA UA VA WA XA YA ZA
	AQ BQ CQ DQ EQ FQ GQ HQ	JV KV LV MV NV PV QV RV	SQ TQ UQ VQ WQ XQ YQ ZQ	AV BV CV DV EV FV GV HV	JQ KQ LQ MQ NQ OQ PQ RQ	SV TV UV VV WV XV YV ZV
	AP BP CP DP EP FP GP HP	JU KU LU MU NU PU QU RU	SP TP UP VP WP XP YP ZP	AU BU CU DU EU FU GU HU	JP KP LP MP NP OP PP QP RP	SU TU UU VU WU XU YU ZU
	AN BN CN DN EN FN GN HN	JT KT LT MT NT PT QT RT	SN TN UN VN WN XN YN ZN	AT BT CT DT ET FT GT HT	JN KN LN MN NN PN QN RN	ST TT UT VT WT XT YT ZT
	AM BM CM DM EM FM GM HM	JS KS LS MS NS PS QS RS	SM TM UM VM WM XM YM ZM	AS BS CS DS ES FS GS HS	JM KM LM MM NM PM QM RM	SS TS US VS WS XS YS ZS
1,000,000 m	AL BL CL DL EL FL GL HL	JR KR LR MR NR PR QR RR	SL TL UL VL WL XL YL ZL	AR BR CR DR ER FR GR HR	JL KL LL ML NL PL QL RL	SR TR UR VR WR XR YR ZR
	AK BK CK DK EK FK GK HK	JQ KQ LQ MQ NQ OQ PQ RQ	SK TK UK VK WK XK YK ZK	AQ BQ CQ DQ EQ FQ GQ HQ	JK KK LK MK NK PK QK RK	SO TO UO VO WO XO YO ZO
	AJ BJ CJ DJ EJ FJ GJ HJ	JP KP LP MP NP OP PP QP RP	SJ TJ UJ VJ WJ XJ YJ ZJ	AP BP CP DP EP FP GP HP	JJ KJ LJ MJ NJ PJ QJ RJ	SP TP UP VP WP XP YP ZP
	AH BH CH DH EH FH GH IH	JN KN LN MN NN PN QN RN	SH TH UH VH WH XH YH ZH	AN BN CN DN EN FN GN HN	JH KH LH MH NH PH QH RH	SN TN UN VN WN XN YN ZN
	AG BG CG DG EG FG GG HG	JM KM LM MM NM PM QM RM	SG TG UG VG WG XG YG ZG	AM BM CM DM EM FM GM HM	JG KG LG MG NG PG QG RG	SM TM UM VM WM XM YM ZM
500,000 m	AF BF CF DF EF FF GF HF	JL KL LL ML NL PL QL RL	SF TF UF VF WF XF YF ZF	AL BL CL DL EL FL GL HL	JF KF LF MF NF OF PF QF	SL TL UL VL WL XL YL ZL
	AE BE CE DE EE FE GE HE	JK KK LK MK NK PK QK RK	SE TE UE VE WE XE YE ZE	AK BK CK DK EK FK GK HK	JE KE LE ME NE PE OE QE	SK TK UK VK WK XK YK ZK
	AD BD CD DD ED FD GD HD	JJ KJ LJ MJ NJ PJ QJ RJ	SD TD UD VD WD XD YD ZD	AJ BJ CJ DJ EJ FJ GJ HJ	JD KD LD MD ND PD QD RD	SJ TJ UJ VJ WJ XJ YJ ZJ
	AC BC CC DC EC FC GC HC	JH KH LH MH NH PH QH RH	SC TC UC VC WC XC YC ZC	AH BH CH DH EH FH GH IH	JC KC LC MC NC PC QC RC	SH TH UH VH WH XH YH ZH
	AB BB CB DB EB FB GB HB	JG KG LG MG NG PG QG RG	SB TB UB VB WB XB YB ZB	AG BG CG DG EG FG GG HG	JB KB LB MB NB PB QB RB	SO TO UO VO WO XO YO ZO
0 m	AA BA CA DA EA FA GA HA	JF KF LF MF NF OF PF QF	SA TA UA VA WA XA YA ZA	AF BF CF DF EF FF GF HF	JA KA LA MA NA PA QA RA	SF TF UF VF WF XF YF ZF
200,000 m						
300,000						
400,000						
500,000						
600,000						
700,000						
800,000 m						

*Use this table for MGRS with the WGS 84 datum, older datums (NAD 27) should use the alternate chart.

You can easily find this on a newer topographical map. The picture to the right is the USNG designation box on the 1:24,000 USGS topographical map called “Belfast”. East Belfast is located on the “Searsport” map, which is located in the “EK” 100,000 meter square.

Therefore, downtown Belfast is located in 19T DK.



Identifying a USNG Coordinate

The rule to remember when reading USNG coordinates is to read across the map from LEFT to RIGHT and then UP. The first half of the reported set of coordinate digits represents the left-to-right (Easting) grid label, and the second half represents the label as read from the bottom to top (Northing).

The USNG coordinate for the Waldo County EOC is:

19T DK 9911 1874

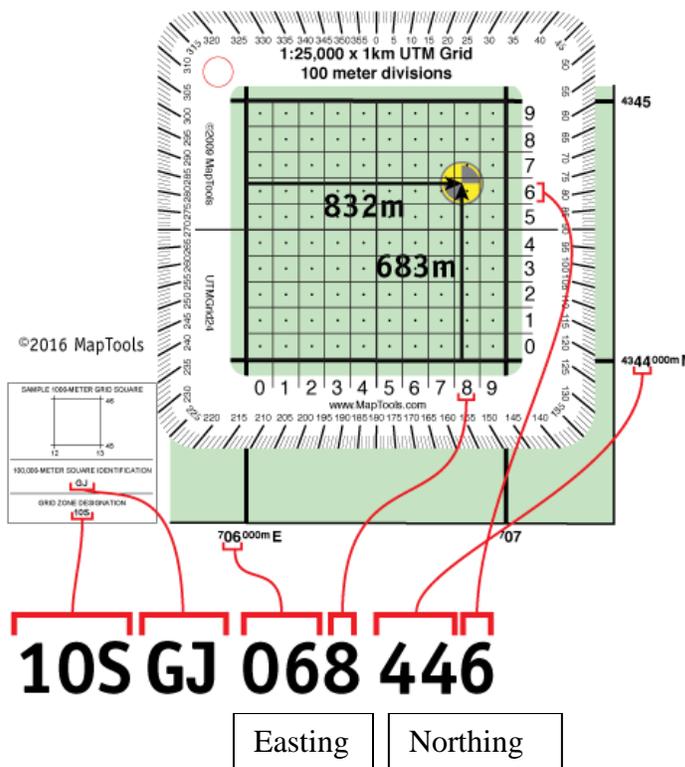
19T = Grid Zone Designation

DK = 100,000-meter square

9911 = the Easting

1874 = the Northing

The coordinate is 99,110 meters east and 18,740 meters north of the 0, 0 (lower left corner) of the EK square.



Precision of a USNG Coordinate

The precision of a point location is shown by the number of digits in the coordinates: the more digits, the more precise the location.

- 19T EK 100,000 meter square
- 19T EK 9 1 10,000 meter square
- 19T EK 99 18..... 1,000 meter square
- 19T EK 991 187..... 100 meter square
- 19T EK 9911 1874..... 10 meter square

What shows on a Smartphone App or a GPS

The screen on a Smartphone or a handheld GPS will display the coordinate accurate down to 10 meters. This is about as accurate as it can be.

Remember, the 8582 is the X scale coordinate or Easting and the 3218 is the Y scale coordinate or Northing.

