

PROJECT		GEOGRAPHIC COORDINATES FROM TRANSVERSE MERCATOR GRID COORDINATES, (CALCULATING MACHINE METHOD) For use of this form, see FM 3-34.331; the proponent agency is TRADOC.		
ORGANIZATION				
LOCATION		ZONE		CENTRAL MERIDIAN

STATION				
X		Y		
C	-	$P\left(\frac{x'}{10,000}\right)^2 + d$	-	
x'		y_0		
P		Approx. $\Delta\lambda = x' \div H$	"	
d		$\Delta\lambda = (x' \mp ab) \div H$	"	
H		$\Delta\lambda$	°	' "
a	b	Central Meridian		
ϕ	° ' "	$\lambda = \text{C. M.} - \Delta\lambda$	°	' "

STATION				
X		Y		
C	-	$P\left(\frac{x'}{10,000}\right)^2 + d$	-	
x'		y_0		
P		Approx. $\Delta\lambda = x' \div H$	"	
d		$\Delta\lambda = (x' \mp ab) \div H$	"	
H		$\Delta\lambda$	°	' "
a	b	Central Meridian		
ϕ	° ' "	$\lambda = \text{C. M.} - \Delta\lambda$	°	' "

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d		$\Delta\lambda = (x' \mp ab) \div H$	"	
H		$\Delta\lambda$	°	' "
a	b	Central Meridian		
ϕ	° ' "	$\lambda = \text{C. M.} - \Delta\lambda$	°	' "

When ab is $\begin{matrix} +, \text{ decrease} \\ -, \text{ increase} \end{matrix}$ x' numerically

COMPUTED BY	DATE (YYYYMMDD)	CHECKED BY	DATE (YYYYMMDD)
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