

PROJECT		PLANE COORDINATES FROM GEOGRAPHIC COORDINATES ON THE TRANSVERSE MERCATOR PROJECTION. (CALCULATING MACHINE COMPUTATION) For use of this form, see FM 3-34.331; the proponent agency is TRADOC.					
ORGANIZATION							
LOCATION		ZONE				CENTRAL MERIDIAN	
STATION							
ϕ							
λ							
$\Delta\lambda = \text{Central mer.} - \lambda$							
$\Delta\lambda''$							
$\left(\frac{\Delta\lambda''}{100}\right)^2$							
H							
V							
a	b						
$x' = H \cdot \Delta\lambda \pm ab$							
$V\left(\frac{\Delta\lambda''}{100}\right)^2 \pm c$							
Tabular y							
X							
Y							
$\Delta a''$							
Δa							
Geod. Az. to Ax. Mk.							
Grid Az. to Az. Mk.							
$X = x' + 500,000$ $Y = \text{Tab. } y + V\left(\frac{\Delta\lambda''}{100}\right)^2 \pm c$							
When ab is $\begin{matrix} - & \text{decrease} \\ + & \text{increase} \end{matrix}$, $H \cdot \Delta\lambda$ numerically							
$\Delta a'' = \Delta\lambda'' \sin \phi + g$ g increases $\Delta\lambda'' \sin \phi$ numerically Grid Az. = Geod. Az. $-\Delta a$							
COMPUTED BY		DATE (YYYYMMDD)		CHECKED BY		DATE (YYYYMMDD)	