

PROJECT				GEOGRAPHIC COORDINATES FROM U.T.M. GRID COORDINATES For use of this form, see FM 3-34.331; the proponent agency is TRADOC.											
LOCATION				ORGANIZATION											
ELLIPSOID				CENTRAL MERIDIAN				ZONE		UNIT		FE			
STATION		CM		ELLIPSOID		ZONE		STATION		CM		ELLIPSOID		ZONE	
N		E		N		E									
N'		E'		N'		E'									
ϕ'		IX		ϕ'		IX									
VII		q		VII		q									
q^2		X		q^2		X									
VIII		q^3		VIII		q^3									
q^4		E_5		q^4		E_5									
D_6		q^5		D_6		q^5									
q^6		$\Delta\lambda''$		q^6		$\Delta\lambda''$									
$\Delta\phi''$		$\Delta\lambda$		$\Delta\phi''$		$\Delta\lambda$									
ϕ		λ		ϕ		λ									
STATION		CM		ELLIPSOID		ZONE		STATION		CM		ELLIPSOID		ZONE	
N		E		N		E									
N'		E'		N'		E'									
ϕ'		IX		ϕ'		IX									
VII		q		VII		q									
q^2		X		q^2		X									
VIII		q^3		VIII		q^3									
q^4		E_5		q^4		E_5									
D_6		q^5		D_6		q^5									
q^6		$\Delta\lambda''$		q^6		$\Delta\lambda''$									
$\Delta\phi''$		$\Delta\lambda$		$\Delta\phi''$		$\Delta\lambda$									
ϕ		λ		ϕ		λ									
$N' = N$ in NORTHERN HEMISPHERE $N' = 10,000,000.000 - N$ in SOUTHERN HEMISPHERE $E' = E - FE$ or $FE - E$ $q = 0.000001 * E' $ $\Delta\phi'' = (VII) q^2 - (VIII) q^4 + (D_6) q^6$ $\phi' = \phi' - \Delta\phi$ $\Delta\lambda'' = (IX) q - (X) q^3 + (E_5) q^5$ $\lambda = CM + \lambda$ or $CM - \lambda$															
COMPUTED BY						DATE (YYYYMMDD)				CHECKED BY				DATE (YYYYMMDD)	