

PROJECT		GRID AZIMUTHS (t and T) AND (t - T) CORRECTION FROM U. T. M. GRID COORDINATES For use of this form, see FM 3-34.331; the proponent agency is TRADOC.			
LOCATION					
ORGANIZATION			CENTRAL MERIDIAN		
SPHEROID		ZONE		UNIT Meter	FE 500,000 m.

Grid Azimuth of Sta. (1)				to Sta. (2)	
N ₂		E ₂		2E' ₁ + E' ₂	
N ₁		E ₁		(XVIII)	
ΔN		ΔE		(t - T)	
tan β				T	
β		t			

Grid Azimuth of Sta. (1)				to Sta. (2)	
N ₂		E ₂		2E' ₁ + E' ₂	
N ₁		E ₁		(XVIII)	
ΔN		ΔE		(t - T)	
tan β				T	
β		t			

Grid Azimuth of Sta. (1)				to Sta. (2)	
N ₂		E ₂		2E' ₁ + E' ₂	
N ₁		E ₁		(XVIII)	
ΔN		ΔE		(t - T)	
tan β				T	
β		t			

Grid Azimuth of Sta. (1)				to Sta. (2)	
N ₂		E ₂		2E' ₁ + E' ₂	
N ₁		E ₁		(XVIII)	
ΔN		ΔE		(t - T)	
tan β				T	
β		t			

$\tan \beta = \frac{\Delta E}{\Delta N}$				E' ₁ = E ₁ - 500,000 m.	
t = β if ΔE+, ΔN+.				E' ₂ = E ₂ - 500,000 m.	
t = 180° - β if ΔE+, ΔN-.				(t - T) = (-ΔN) (2E' ₁ + E' ₂) (XVIII) 6.8755x10 ⁻⁸	
t = 180° + β if ΔE-, ΔN-.					
t = 360° - β if ΔE-, ΔN+.				T = t - (t - T)	
E' is negative west of Central Meridian					

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