PROJECT	**GRID AZIMUTH (t) AND GRID LENGTH** For use of this form, see FM 3-34.331; the proponent agency is TRADOC.
LOCATION	ORGANIZATION
GRID	

Sta. (1)		To Sta. (2)		Azimuth	° ′ ″		
N_2		E_2		$\tan\beta$		β	° ′ ″
N_1		E_1		ΔE		ΔN	
ΔN		ΔE		$\sin\beta$		$\cos\beta$	
Grid length	(ft) (m)			S		S	
Sta. (1)		To Sta. (2)		Azimuth	° ′ ″		
N_2		E_2		$\tan\beta$		β	° ′ ″
N_1		E_1		ΔE		ΔN	
ΔN		ΔE		$\sin\beta$		$\cos\beta$	
Grid length	(ft) (m)			S		S	
Sta. (1)		To Sta. (2)		Azimuth	° ′ ″		
N_2		E_2		$\tan\beta$		β	° ′ ″
N_1		E_1		ΔE		ΔN	
ΔN		ΔE		$\sin\beta$		$\cos\beta$	
Grid length	(ft) (m)			S		S	
Sta. (1)		To Sta. (2)		Azimuth	° ′ ″		
N_2		E_2		$\tan\beta$		β	° ′ ″
N_1		E_1		ΔE		ΔN	
ΔN		ΔE		$\sin\beta$		$\cos\beta$	
Grid length	(ft) (m)			S		S	
Sta. (1)		To Sta. (2)		Azimuth	° ′ ″		
N_2		E_2		$\tan\beta$		β	° ′ ″
N_1		E_1		ΔE		ΔN	
ΔN		ΔE		$\sin\beta$		$\cos\beta$	
Grid length	(ft) (m)			S		S	
Sta. (1)		To Sta. (2)		Azimuth	° ′ ″		
N_2		E_2		$\tan\beta$		β	° ′ ″
N_1		E_1		ΔE		ΔN	
ΔN		ΔE		$\sin\beta$		$\cos\beta$	
Grid length	(ft) (m)			S		S	

AZ from North=;
β if $\Delta E+$, $\Delta N+$
$180° - \beta$ if $\Delta E+$, $\Delta N-$
$180° + \beta$ if $\Delta E-$, $\Delta N-$
$360° - \beta$ if $\Delta E-$, $\Delta N+$

AZ from South=;
β if $\Delta E-$, $\Delta N-$
$180° - \beta$ if $\Delta E-$, $\Delta N+$
$180° + \beta$ if $\Delta E+$, $\Delta N+$
$360° - \beta$ if $\Delta E+$, $\Delta N-$

$$\tan\beta = \frac{\Delta E}{\Delta N}$$

$$S = \frac{\Delta E}{\sin\beta} = \frac{\Delta N}{\cos\beta}$$

COMPUTED BY	DATE *(YYYYMMDD)*	CHECKED BY	DATE *(YYYYMM DD)*

DA FORM 1935, 1 FEB 57

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