

Incident Reference	Search and Rescue	Compiled by	
	Worksheet No. 3 (Land)	Date	24/08/2011
Search Object	Aircraft > 5700kg	Fatigue factor	No
MET Visibility	5.0 KM	Vegetation	<15%
Search Height (A G L)		500.0 ft	
Uncorrected Sweep Width (Wu) - Table I-9		1.2 NM	
Searches over land: use Terrain/Vegetation Factor (Fv) - Table I-10		1.0	
Fatigue Correction Factor (Ff) if crew will be suffering significant fatigue enter 0.9, otherwise enter 1.0		1.0	
Sweep Width Factor W = $W = F_v F_f$		1.2	
Practical Track Spacing S (NM)		1.0	
Coverage Factor C = W/S		1.2	
Probability of Detection (POD)		93.29136	
Search Area A (SQ NM)		5.0	
Search Hours (T) Required at 120 KTS (V) $T = \frac{A}{V \times S}$		5.0	