

Needs Summary by Country

Country or Region of Need	Central & South America: Nicaragua, Ecuador, Peru									
	Afghanistan	Angola	Bosnia and Herzegovina	Cambodia	Chad	Croatia	Egypt	Jordan	Lebanon	
Detectors (see separate document for details)										
Mine detection dogs	extensive usage now	high	high and controversial	high	limited	v.high	v.high	v.high	v.high	v.high
Sniffer detector	v.high	v.high	v.high	v.high	v.high	v.high	v.high	v.high	v.high	v.high
Scrub sniffer	moderate	v.high	v.high	v.high	v.high		v.high		none	high
QA detector	v.high	v.high	v.high	v.high	limited	v.high	v.high	v.high	v.high	v.high
Mineralised soil metal detector	none		moderate	high			moderate			high
Low false alarm rate mine detector	v.high	v.high	v.high	v.high	v.high	v.high	v.high	v.high	v.high	v.high
Deep target mine detector	v.high		limited	limited	moderate	v.high	limited	v.high	v.high	
Detector for mines in mud	limited		moderate	limited	moderate	moderate	moderate	moderate	moderate	
Trip wire detector			v.high				v.high			
Mechanical assistance for deminers										
Vegetation cutter machines (Flails & others)	high in vegetation	v.high	v.high	v.high	limited because of hilly terrain		v.high			low
Ground preparation machine (e.g. Flails, Minebreaker, Rhino).	limited	controversial	controversial	v.high	limited because of hilly terrain	v.high (sifting sand)	v.high	limited because of deep mines and UXO	being used now	risk reduction strategies possible
Backhoe excavators, front-end loaders, possibly armoured.	high		moderate	limited		limited	moderate	limited	very useful	unknown
Rubble crusher	limited		moderate				moderate		none	
Magnetic fragment removal	high	moderate-high	moderate	v.high		v.high	moderate	limited	limited	limited
Personal equipment and tools for deminers										
Water filtration equipment				needed						
High quality saws and vegetation cutting tools		needed	needed	needed	v.high		v.high			moderate
Cotton uniforms				needed						
Protection from non-explosion hazards	yes		limited	needed		yes	moderate	yes	yes	yes
Magnetic probe	possibly useful		limited	useful		possibly useful	limited	possibly useful	possibly useful	possibly useful
Low insertion force probe	limited		needed	useful			unknown			
Smart probe	none		unknown	unknown			unknown			
Excavation tools	moderate		very useful	needed		very useful	very useful	very useful	very useful	very useful
Ground and rubble breaker	v.high									
Ground marking equipment	potentially useful			limited		potentially useful		potentially useful	potentially useful	potentially useful
Improved personal protective equipment	needed		needed (frag prot'n)	needed	needed	needed	needed (frag prot'n)	needed	needed (frag prot'n)	needed
Mine-resistant boots	limited		limited	needed			moderate	needed	needed	needed
Scratch-resistant film for visors	very useful	very useful	very useful	very useful		very useful	limited	very useful	very useful	very useful
Anti-fog treatment for visors	very useful		very useful	not needed?		not needed?	very useful	not needed?	not needed?	very useful
Universal battery charger	none			needed						
UXO cutter				needed						limited
UXO spinner				needed						limited
Information/Info Technology Needs										
High quality internet access.	needed		needed	needed	needed	needed	needed	needed	useful	needed
Field data recording	needed		useful				useful			
Data distribution and updating	needed		needed				needed			
Map and photograph registration			badly needed				badly needed			
High resolution aerial photography	potentially useful	potentially useful	potentially useful	potentially useful		potentially useful	potentially useful	potentially useful	limited use	potentially useful

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UXO render-safe procedures				probably needed						very useful
Socio-economic survey / analysis	high priority		badly needed	needed			badly needed			very useful
Measurement needs	essential where dogs used		essential where dogs used	essential where dogs used	essential where dogs used	essential where dogs used	essential where dogs used	essential if dogs used	essential if dogs used	essential if dogs used
Dog performance tests										
MEDDS Improvement		needed								
Quality performance measurement	needed	needed	needed	needed	needed		needed			
Productivity performance measurement	needed	needed	needed	needed			needed			
Operational needs not classified										
Deep mine location and excavation	v. high		limited		moderate	v. high	limited	v. high	v. high	
Mud flats	limited		moderate		moderate		moderate	v. high	moderate	
Removing compacted mine and UXO contaminated rubble	v. high		moderate				moderate			
Mine Resistant Vehicles for civilian use	tractors needed	very useful	high potential	needed		v. high	high potential	limited		moderate
			some severe vegetation problems	some severe vegetation problems			some severe vegetation problems			
Triple canopy jungle					v.high					
Colour Code	Solutions available and will make a big impact		Solutions badly needed, but more R&D required							