



# Obstacle/Confidence Course Inspection And Standardization Criteria

**PROPONENT: TRADOC COMMAND SAFETY**

March 2004

# Initial Military Training Obstacles Checklist

Obstacle Course: \_\_\_\_\_

Location: \_\_\_\_\_

Date of Inspection: \_\_\_\_\_

Inspectors:

Name \_\_\_\_\_ Org. \_\_\_\_\_

POCs:

Name \_\_\_\_\_ Phone \_\_\_\_\_

1. Courses will be evaluated to identify any safety hazards/concerns. Deficiencies found during the inspection will be annotated and corrective actions initiated by the responsible organization.

Obstacle Categories: Standard, Nonstandard, and other.

Note: Where indicated on checklist, fall protection refers to devices or systems emplaced beneath obstacles to prevent injury during falls. Fall arrest systems are devices attached to personnel to limit the distance of falls.

Surface refers to the area beneath and around obstacles to include travel lanes. Impact absorbing material depth under obstacles is 18 inches for sand, 12 inches of shredded rubber and 24 inches for saw dust.

4. Standards for Conditioning/Endurance Course are a combination of those found in Engineer Drawings 28-13-95, Obstacle Course Layout Plan, FM 21-20, Physical Fitness Training, and TR 350-6, Enlisted Initial Entry Training (IET) Policies and Administration.

# Section I

## General Inspection Criteria, Administrative

	Area	STANDARD	GO	NO GO
1	<b>Training Requirement</b> 1-1	Training event is supported by TSP, POI, or lesson plan.		
	1-2	Standing Operating Procedures (SOP) are published and on hand at each course.		
2	<b>Admin</b> 2-1	Condition Service logs are maintained on all ropes used for surmounting and suspension.		
	2-2	Weight testing logs are maintained for nets.		
3	<b>Risk Management</b> 3-1	Generic risk assessment are completed and maintained on training site.		
	3-2	Daily risk assessment completed and on site during training identifying hazards associated with personnel, equipment, and environment.		
4	<b>Inspections</b> 4-1	Copy of last safety inspection conducted by professional safety staff is maintained by responsible organization.		
	4-2	Copy of daily inspection is maintained at training site.		
	4-3	A list of all current deficiencies is maintained by responsible organization.		
	4-4	Copies of current work orders are maintained by responsible organization.		
5	<b>Accident trends</b> 5-1	A list of all injuries sustained on obstacles is maintained by responsible organization and safety office.		

## SECTION II General Inspection Criteria

#	Area	STANDARD	GO	NO GO
1	<b>WOOD TIMBERS</b> 1-1	There are no signs of rot, warping, severe weathering, or impact damage		
	1-2	There are no protruding nails or splinters to cause injury when obstacle is negotiated.		
	1-3	All timbers are securely connected together without excess separation between joints.		
	1-4	All timbers meet specified dimensions as stated in Engineer Drawings or TR 350-6.		
2	<b>Wall boards</b> 2-1	All boards are securely attached to structure with proper hardware.		
	2-2	All boards are free of protruding nails, splinters, rot or damage.		
	2-3	Edges of boards are rounded/smooth where used to support individuals weight.		
3	<b>Hardware</b> 3-1	All bolts, nuts, and washers are in place and of the designated type, size and placement.		
	3-2	All anchors are made of 3 strand galvanized guy wire or larger.		
	3-3	Take up galvanized turnbuckles are used at anchor points of each cable to allow for adjustment.		
	3-4	Anchor cables are not used to support obstacles not properly constructed or improperly emplaced in the ground.		
	3-5	All cable clamps are positioned with U-bolt placed on the dead or short end of cable.		
4	<b>Fiber Ropes</b> 4-1	All ropes are free of rips, tears, cuts, frays, rot or unraveled sections due to age, excessive wear, or contact with the ground.		
	4-2	All ropes designed for surmounting are 1.5 inches in diameter.		
	4-3	Ropes are securely mounted to supporting timbers with ends tied and taped.		
	4-4	Ends of ropes are tied in a knot or wrapped to prevent fraying.		
	4-5	Condition/Service logs are maintained on all ropes used for surmounting and suspension.		
5	<b>Design</b> 5-1	Obstacle adheres to blue print specifications.		

6	<b>Fall Protection</b> 6-1	All nets meet ANSI load bearing standard for personnel (ANSI 10.11/OSHA 1926.105) 3.5-inch nylon mesh, 17,500 lb impact resistant.		
	6-2	All nets designed for fall protection extend 8 feet out from point of potential fall.		
	6-3	Forged steel hooks are used to fasten net to its supports.		
	6-4	Nets are weight tested every 6 months by dropping a 500 lb, 5 cubic feet weight onto it from a height of 25 feet.		
	6-5	All nets suspended below high obstacles (in excess of 10 feet) have padding or small mesh material to prevent limbs from penetrating net.		
	6-6.	Pole vaulting pads are in good condition with no tears, holes, or loose material to trip personnel when dismounting.		
	6-7	All pole-vaulting pads placed properly at base of designated high obstacles.		
7	<b>Padding on timbers</b> 7-1	All padding on timbers is in good condition without signs of damage.		
	7-2	Pads are securely attached to the timber supports to prevent movement when impacted.		
8	<b>Base containment box</b> 8-1	Base containment box is adequate to contain all absorbent material located at base of obstacle.		
	8-2	Containment box does not display signs of rot, damage, instability, or not present.		
	8-3	Containment box is large enough to dismount obstacle without injury.		
	8-4	Containment box is filled with either 18" sand, 12 inches of shredded rubber or 24" of sawdust.		
9	<b>Surfaces</b> 9-1	All surfaces beneath low obstacles are free of hazards with the potential to cause harm when crawled upon.		
10	<b>Course condition</b> 10-1	Designated course is free of tripping hazards.		
	10-2	Course surface is well maintained to prevent injury in case of falls.		
	10-3	Course surfaces is raked and policed prior to each use.		
	10-4	Course surface is free of large rocks, stones, or concrete materials that cause injury in case of fall.		
11	<b>Safety</b> 11-1	Professional safety staff reviews obstacle construction plans.		