

<b>USACE EM 385-1-1 (2008) SECTION 21, FALL PROTECTION PROGRAM COMPLIANCE CHECKLIST</b> <b>for</b> <b>PERSONNEL OVERSEEING CONTRACTORS INVOLVED IN PERFORMING WORK AT HEIGHTS</b>		Date of Audit:		
Contractor Name:		Location		
Prepared/Audited by (Signature)		Contract Number		
FALL PROTECTION PROGRAM CRITERIA (21.A.01 and 21.C)		Yes	No	N/A
1	Will the contractor's workers be working at heights above 6 feet, exposed to fall hazards and using Fall Protection (FP) Equipment?  Is there a possibility of a fall from any height onto dangerous equipment into a hazardous environment or onto an impalement hazard?  If <b>Yes</b> , fall protection program is required to be established and implemented			
ADDITIONAL REQUIREMENTS				
2	Is there a need for the contractor to have additional requirements above and beyond the requirements stated in Section 21 (for high risk projects)?			
DUTIES AND RESPONSIBILITIES (21.C.01.a)				
3	Did the contractor identify the Competent and Qualified Person(s) for fall protection, including their assigned duties and responsibilities?			
4	Do the assigned personnel have the necessary skills, knowledge, training and expertise to manage, administer, and implement the fall protection program safely during the course of contract execution?			
HIERARCHY OF CONTROLS (21.A.02)				
5	Have fall hazards been evaluated to determine the order of control measures or the hierarchy of controls to select the appropriate fall protection methods (i.e. elimination or prevention)?			
6	Can fall hazards be eliminated by alternate work methods or changing task(s) or process(es)?			
TRAINING OF PERSONNEL (21.B)				
7	Are contractor's workers trained by a competent person for fall protection on the safe use of fall protection and rescue equipment, including hands on and practical demonstrations and in accordance with the requirements of Section 21?			
8	Did the assigned Competent and Qualified Persons for Fall Protection receive adequate training?			
9	Did other personnel involved in the fall protection program receive adequate training?			
10	Has the above training been documented?			
FALL PROTECTION AND PREVENTION PLAN (21.C.01)				
11	If contractor's workers are exposed to fall hazards and using fall arrest equipment (not otherwise protected by passive fall protection system, such as guardrails) has a Site Specific Fall Protection and Prevention Plan been prepared and submitted to Government Designated Authority for acceptance as part of Accident Prevention Plan?  <i>[For lengthy projects, the plan shall be updated as conditions change, once every six months.]</i>			

12	Is the fall protection and prevention plan prepared either by the assigned competent or qualified person for fall protection?			
13	Does the plan describe in detail the specific practices, equipment, methods and procedures to be used, including inspection requirements, for protecting workers from falling to lower level as per 21.C.01?			
14	Does the plan include the design of anchorages/fall arrest and horizontal lifeline systems?			
15	Did the contractor identify all locations where anchorages need to be established for tying off?  Are these locations detailed in the Fall Protection and Prevention Plan/Activity Hazard Analysis, and how work will be performed safely?			
<b>FALL HAZARD PREVENTION AND CONTROL (21.C.01.f)</b>				
16	If fall arrest, positioning or restraint systems are selected for use, have the location of anchorages been identified?			
<b>STANDARD GUARDRAIL SYSTEM (21.E.01-05)</b>				
17	If guardrails are used, do they comply with the specified requirements for height, strength and minimum material of construction?			
18	If the perimeter cables installed as guardrails at unprotected sides or edges, and used as a method for attaching a lanyard to the cables, do they meet the design requirements for horizontal lifelines?  Did the qualified person for fall protection design the system as a horizontal lifeline system?			
<b>COVERS (21.F)</b>				
19	If covers are used to cover a hole 2 inches in its least dimension, are they capable of withstanding without failure, at least twice the combined weight of the worker, equipment and material?  When covers are used, are they clearly marked or color coded?			
<b>SAFETY NET SYSTEM (21.G)</b>				
20	Does the safety net installation meet the specified criteria and requirements, including the size of the mesh openings and the strength of the outer rope or webbing?			
21	Has the safety net been tested in suspended position immediately after installation and under the supervision of qualified person and in presence of the Government Designated Authority?			
22	If a safety net is relocated, repaired or left in place for more than 6 months, was it retested in suspension under the supervision of qualified person and in presence of Government Designated Authority?			
23	Is the inspection of the safety net performed by a competent person and in accordance with manufacturer's recommendations?			
24	Inspection of safety nets shall be performed immediately after installation, weekly thereafter, and following any alteration or repair. Has the inspection been documented?			
<b>PERSONAL FALL PROTECTION SYSTEMS (21.H)</b>				
25	Does the selected fall arrest system and equipment meet ANSI/ASSE Z359.1?  <b>(Any equipment meeting ANSI A10.14 shall not be used).</b>			
26	When selecting personal fall protection system and equipment, are the free fall distance, total fall distance and clearance requirements taken into consideration?			
27	Do the snaphooks and carabiners used meet ANSI Z359.1-2007 Standard?			

	(Snaphooks and carabiners meeting ANSI Z39.1-1992(R1999) may continue to be used up to 2 years from the effective date of this manual).			
28	For workers having body weight outside the capacity range of 130-310 lbs and using fall protection equipment, is it permitted in writing by the manufacturer?			
29	If it is necessary to increase the free fall distances beyond 6 feet (i.e. tying at the foot level) and limiting the maximum arresting force on the body under 1,800 lbs, is the qualified person for fall protection making this determination?			
30	If frontal D-ring attachment point of the full body harness is used for fall arrest, is the worker exposed to a free fall distance of less than two feet and the maximum arrest force not exceeding 900 lbs?			
31	Self retracting lanyards shall not be used in a horizontal application unless permitted by the manufacturer. Is the SRL used in vertical application?			
32	When using "Y" lanyard for 100% tie off, does the joint between the two legs of the lanyard withstand a force of 5,000 lbs?			
33	The unused leg of the "Y" lanyard shall not be attached to any part of the harness, except to attachment points specifically designated by the manufacturer. Has the manufacturer of the equipment designated such attachment points?			
34	When using positioning system, is the worker using a separate system that provides back-up protection from a fall?  When using restraint system, is the lanyard length short enough to prevent a worker from being exposed to a fall hazard?			
<b>SELECTION OF ANCHORAGES (21.H.05.d.5)</b>				
35	For fall arrest anchorages selected and designed by a qualified person for fall protection, are they capable of supporting at least twice the maximum arresting force?  If positioning and restraint anchorages selected and designed by a qualified person for fall protection, do they meet the requirement of at least two times the foreseeable force on the worker?			
36	For anchorages selected by a competent person for fall protection, are they capable of supporting a minimum force of 5,000 pounds per person attached?  For positioning and travel restraint anchorages that are selected by a competent person for fall protection, are they capable of supporting 3,000 pounds per employee attached?			
<b>INSPECTION OF PERSONAL FALL PROTECTION EQUIPMENT (21.H.02)</b>				
37	Has procedures been established for the proper inspection, storage care and maintenance of the fall protection equipment and in accordance with manufacturer's instructions and recommendations?			
38	Does the competent person for fall protection inspect the fall protection equipment semi annually and w/documentation?			
39	Does the end user inspect the equipment prior to each use?			
<b>LADDER CLIMBING DEVICES (LCD) (21.I)</b>				
40	Does the LCD used meet the requirements of 2 ft free fall, having 3,000 lbs anchorage and the connector length between the frontal D-ring of the harness and the ladder cable, rope or sleeve is 9 inches long?  Does the system have a 100% transition at the top of the ladder?  If off-the-shelf-ladder is equipped w/LCD and having ¾ inch diameter rungs, is it designed to withstand the fall forces?			

<b>SCAFFOLDS, AERIAL LIFT EQUIPMENT, MOVABLE WORK PLATFORMS (21.J)</b>				
41	<p>Is the scaffold equipped with a standard guardrail or other fall protection system?</p> <p>For erecting and dismantling scaffolds, if the use of fall protection is not feasible, did the competent person for fall protection conduct an evaluation to determine if fall protection is not feasible?</p> <p>Did the contractor submit an Activity Hazard Analysis for acceptance by Government Designated Authority detailing rationale why fall protection is not feasible?</p>			
42	When using suspended scaffold, is the worker using an independent vertical lifeline with a full body harness?			
43	When using elevated work platform/scissors lift, it shall be equipped w/standard guardrail. If the scissors lift is also equipped w/an anchorage, is the worker using a restraint system for tying off?			
44	When using aerial life equipment, workers shall be anchored to the basket or bucket. If the worker is tied off to the boom, is it allowed by the manufacturer and permitted by the competent person for fall protection?			
<b>WARNING LINE SYSTEM (21.K)</b>				
45	<p>Does the warning line system meet the specified criteria and requirements of height, strength and material used?</p> <p>For roofing work is the line located a minimum distance of 6 feet away from the edge of the roof? For other trades is the line located 15 feet away from the edge?</p> <p>When using warning line system is the slope of the roof between 0-18.4 degrees (4:12 slope)?</p>			
<b>SAFETY MONITORING SYSTEM (21.L)</b>				
46	Safety monitoring system is prohibited for use as a fall protection system; it may be used in conjunction w/other fall protection system(s). If safety monitoring system is used at the job site and fall hazard exists, is the worker using another fall protection system?			
<b>RESCUE PLAN AND PROCEDURES (21.M)</b>				
47	For personnel working at heights and using fall arrest equipment, has a site specific rescue plan and procedures been prepared and maintained at the work location?			
48	If self-rescue or assisted-rescue are the planned methods to be used during rescue, are personnel conducting rescue receive adequate training on rescue?			
49	If required, are independent anchorages for rescue identified and selected?			
<b>INCIDENT INVESTIGATION PROCEDURES (21.C.01.f)</b>				
50	Are procedures in place for fall mishap investigation in compliance with EM 385-1-1 requirements?			
<b>EVALUATION OF PROGRAM EFFECTIVENESS (21.C.01.g)</b>				
51	Are procedures in place to audit and evaluate the fall protection program, at least once every two years?			