

USA TRACK & FIELD NATIONAL OFFICIALS COMMITTEE
2017-2020 Implement Inspector
Certification Rules Review (v 1.1)



Purpose

The purpose of this open-book rules review is for officials to become familiar with **both USATF and NCAA rule books**, and to gain & demonstrate knowledge about selected rules governing implement inspection.

Instructions

Use the [2016 USATF Competition Rules](#) and the [2015-2016 NCAA Cross Country/Track and Field Rules](#).

Part 1 - Determine whether the statements in questions #1 thru #35 are true or false, and provide the rule number for each.

Part 2 – Complete all three short answer essay questions - # 36 thru 38.

Enter your answers on the answer sheet below and send it to your Association Certification Chair for grading.

Scoring

35 True/False questions - each worth 1 point for the correct answer, and 1 point for the correct rule number.

3 short answer essay questions, each worth 10 points.

Maximum total points = 100. Minimum passing score is 90% for National level; 95% for Master level.

Part 1 - True / False Questions

1. An Implement Inspector can certify additional implements for competition between the qualifying rounds and the final.
2. All implements can be weighed on any scale that has a known calibration and linearity.
3. A hammer is presented for inspection. It is not passable if the head rolls off when placed sideways on a 12mm orifice.
4. For USATF youth competitions, a discus constructed entirely of rubber is legal provided that it complies with dimensions associated with its weight.
5. The maximum weight of the weight implement equals the minimum weight plus 2 kg.
6. An implement used to set a national or world record needs to be re-measured.
7. A hammer is presented for inspection and meets specifications in a NCAA meet for weight and in 2 spots for diameter. It has dents all over it. It should not be passed.
8. A 4kg shot is presented for inspection that is 92mm diameter. It should be passed.
9. The maximum diameter for the 6 lb. shot is 100mm.
10. The Aero Javelin is supplied with grips made of plastic or wound cord, however only those with the wound cord are legal for use in USATF competitions.
11. The maximum allowed length of the 12 lb. hammer is the same as the 16 lb. hammer.
12. Beginning 1/1/2017 the Aero Javelin is a competition implement thrown by USATF boys and girls in the 11-12 age division.
13. In an indoor USATF championship, you cannot use both the indoor and outdoor implements in the same competition.
14. The minimum weight for the shot for girls ages 8-11 in Special Olympics is 4 lbs.
15. The maximum width of the hammer handle is 130 mm.
16. The maximum thickness of the edge of a discus is 13mm at a point 6mm in from the edge, in all rulebooks.

17. The only measurement of interest for the 6kg hammer handle is that the length from the inside of the grip to the inside of the connection is 110mm
18. Internal movement within a shot is cause of disqualification.
19. The handle of the throwing weight may be tilted to the side and its length measured to the corner of the handle.
20. The maximum length of a throwing weight for the USATF Masters competition is 41cm, whereas the maximum length for USATF Open competition is 40.64cm.
21. The NCAA men's shot has the same maximum dimensions for indoor and outdoor competition.
22. The maximum distance from the balance point to the tip of the men's open javelin is 990 mm.
23. The hammer wire shall be at least 3.5mm in diameter.
24. The women's outdoor shot can measure up to 130mm in diameter.
25. A rubber discus may be used Master's events.
26. An implement that is overweight but meets other specifications may be used for warmups or in the competition.
27. The javelin shall have no mobile parts or other apparatus that during the throw could change its center of gravity.
28. The head of the indoor weight shall be filled with lead or other material inserted in a manner that minimizes any internal void or movement and has a center of gravity not more than 6mm from the center of the sphere certified by the manufacturer.
29. The overall length of the men's hammer is between 117.5cm and 121.5cm.
30. You can use a hammer handle on an outdoor weight.
31. The center of gravity is used for getting two of the points where the contour of the javelin is measured.
32. When certifying a shot you should check the minimum and maximum diameter on the axis of the shot.
33. The hammer handle may be connected to the wire with the use of a swivel.
34. The handle for the hammer for USATF Competition must be of a symmetric design.
35. The overall length of the mini-javelin must fall between 68.5 and 70.5cm.

This concludes Part 1. Transfer your answers for these questions onto the answer sheet below.

Then proceed to Part 2 on the answer sheet below, which contains the questions and space for your answers to questions 36, 37, and 38.

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Answer Sheet (v 1.1)
(Please Print)

Maximum total points = 100. Minimum passing score is 90% for National level; 95% for Master level.

Part 1 - True / False Answers

Name:		Phone:		Association:	
Address, City, State, Zip Code:					
Email Address:			Certification # (if recertifying)		
Parts 1 & 2: 2 points for each question – 1 point for the correct T/F answer; 1 point for the correct rule number Max score for Parts 1 & 2 = 70					
Enter TRUE or FALSE		Enter Rule Number	Enter TRUE or FALSE		Enter Rule Number
1.			20.		
2.			21.		
3.			22.		
4.			23.		
5.			24.		
6.			25.		
7.			26.		
8.			27.		
9.			28.		
10.			29.		
11.			30.		
12.			31.		
13.			32.		
14.			33.		
15.			34.		
16.			35.		
17.					
18.					
19.					
Association Certification Chair Use Only			# Correct Score %		
Official Notified of Score – Date _____			Notes:		

Part 2 - Essay Questions

For the following situations, list the basic steps that you would take to resolve the problem, the rule(s) used, and your decision if applicable. Answer all 3 questions (10 points each). Max score for Part 3 = 30 points.

36. A 57-year-old male master athlete checks in a 6 kg hammer to the **USATF** Masters championship meet. Discuss all measurements you would make and how you would make them. (10 points)
37. There are times as an implement inspector where you do not have ample time to perform each and every measurement on javelins at a meet. The following javelin specifications are usually examined for correctness during Implement check-in. Arrange these items in their order of importance and justify your answer for each item. (10 points)
- A. Overall Length
 - B. Balance
 - C. Tip Length
 - D. Grip Length
 - E. Maximum Diameter
 - F. Shaft Taper
 - G. Point Angle
 - H. Surface Conditions (roughness)
 - I. Weight

Continue on next page.

38. Anomalies may be observed during the implement check-in process. Discuss why an implement should or should not be allowed in the competition for all the following situations. (10 points)
- A. A hammer exhibiting a badly curled hammer wire that barely passes the maximum overall length.
 - B. A javelin with a wet grip that barely passes the minimum weight.
 - C. A hammer that is severely dented and thus not spherical.
 - D. A hammer exhibiting a handle that obviously been changed in a way to allow for the overall length to be acceptable.
 - E. Something can be heard rattling around inside of a javelin when you turn it end to end.
 - F. Something can be heard rattling around inside of a discus.
 - G. A discus is hot from being left in the hot sun; and when you check the overall diameter, it is 3 mm too large.
 - H. The swivel of a hammer is elongated so that the hole is enlarged and the top of the swivel is distorted.

This concludes Part 2 and the Rules Review.