

# 2017-2020 Implement Inspector Certification Rules Review (v 2.0)



## 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

For the USATF rules, use the [2016 USATF Competition Rules](#)

For the NCAA questions use the [2015-2016 NCAA Cross Country/Track and Field Rules](#).

*\* Using the 2017 USATF Competition Rules and 2017-2018 NCAA Cross Country/Track and Field Rules is also acceptable.*

**Note:** Other useful resources are the [Implement Inspectors Handbook](#) found on the USATF website. (Go to Resources for Officials, and then Best Practices to Implement Inspection.)

**Part 1** – Mark if the statements in questions #1 thru #35 are true or false and provide the rule number you used.

**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

There are 35 True/False questions. Each is worth 1 point for the correct answer, and 1 point for the correct rule number. The three short answer essay questions are worth 10 points each.

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

## Part 1 - True / False Questions

1. (USATF) Under special circumstances (e.g., implements are damaged), the Referee in a **USATF** meet may authorize the Inspector of Implements to certify additional implements between the qualifying round and the competition proper.
2. (USATF, NCAA) All implements may be weighed on a governmentally approved scale or a scale that has a known calibration and linearity.
3. (USATF, NCAA) A hammer is presented for inspection. To measure that the center of gravity is no more than 6mm from the center of sphere, the head, less handle and wire, must be able to balance on a horizontal 12mm sharp edge orifice. It is not passable if the head rolls off.
4. (USATF) For USATF youth competitions, a discus constructed entirely of rubber is legal provided that it complies with all the dimension requirements associated with its weight.
5. (USATF, NCAA) The maximum weight of the weight implement equals the minimum weight plus 2.00 kg.
6. (USATF, NCAA) An implement used to set a national or world record must have been certified prior to the competition and should immediately, after the record performance, be re-inspected to see if it still complies with the rules and that there has been no change in characteristics.
7. (NCAA) In an NCAA meet, a hammer is presented for inspection and meets all the specifications. (weight, diameter of the head, length, etc.) It has dents all over it but the shape of the head remains spherical. It should not be passed.
8. (USATF, NCAA) A 4kg shot is presented for inspection. It has a diameter of 92mm. It should be passed.
9. (USATF) The maximum diameter for the 6 lb. shot is 100mm.
10. (USATF) The grip of an Aero Javelin may be made of a synthetic material or wound with a cord similar to that on a regular javelin. However, only those Aero Javelins with the wound cord are legal for use in USATF competitions.

11. (USATF) The maximum allowed length of the 12 lb. hammer is the same as the 16 lb. hammer.
12. (USATF) Beginning 1/1/2017 the Aero Javelin is the competition implement thrown by USATF boys and girls in the 11-12 age division.
13. (USATF) In an indoor USATF championship, you cannot use both the indoor and outdoor implements. Only one type of implement may be used in the same competition.
14. (USATF, Special Olympics Section of the Adaptations to USATF Rules for Para Athletes) The minimum weight for the shot for girls ages 8-11 in Special Olympics is 4 lbs.
15. (USATF, NCAA) The maximum width of the hammer handle is 130 mm.
16. (USATF, NCAA) The maximum thickness of the rim of a discus is 13mm at a point 6mm in from the edge.
17. (USATF) A requirement for the 6kg hammer is that the distance from the inside of the grip of the handle to the closest part of the connection be no greater than 110mm.
18. (USATF, NCAA) Internal movement within a shot is cause of disqualification.
19. (USATF, NCAA) The maximum length of an indoor weight may be measured by tilting the weight on its side and measuring to the corner of the handle.
20. (USATF) The maximum length of a throwing weight for the USATF Masters competition is 410mm (41cm), whereas the maximum length for USATF Open and NCAA competition is 406.4mm (40.64cm).
21. (NCAA) The men's shot has the same maximum dimensions for indoor and outdoor competition.
22. (USATF, NCAA) The maximum distance from the center of gravity to the tip of the Men's 800g javelin is 990 mm.
23. (USATF, NCAA) The hammer wire shall be at least 3.5mm in diameter.
24. (USATF, NCAA) The women's outdoor shot can measure up to 130mm in diameter.
25. (USATF) A rubber discus may be used Master's events.
26. (USATF) A 17-18 year old youth athlete wants to check in a 16 lb. implement. The implement minimum weight for his age group is 12 lbs. The implement meets all the 12 lb. specifications, It may be used for warm-ups or in the competition.
27. (USATF, NCAA) The javelin shall have no mobile parts or other apparatus that during the throw could change its center of gravity.
28. (USATF, NCAA) 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. (USATF, NCAA) The overall length of the open men's hammer is between 1175mm (117.5cm) and 1215mm (121.5cm).
30. (USATF, NCAA) You can use any handle that meets hammer handle specifications on an outdoor weight.
31. (USATF, NCAA) One of the reference points needed to check the contour of the javelin (the diameters in various places) is the center of gravity.
32. (USATF) Whether it is at a USATF Open, Master's or Youth Championship, all the specifications for shots, based on their weight, are the same.
33. (USATF) In the hammer, the wire may be attached to the handle using a swivel.
34. (USATF) The handle for the hammer for USATF Competition must be of a symmetric design.
35. (USATF) The overall length of the 300 gram mini-javelin must fall between 685mm (68.5cm) and 705mm (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.**

**USA TRACK & FIELD NATIONAL OFFICIALS COMMITTEE**  
**2017-2020 Implement Inspector Rules Review**



**Answer Sheet (v 2.0)**

(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)		
<b>Parts 1 &amp; 2:</b> <b>2 points for each question – 1 point for the correct T/F answer; 1 point for <u>A correct rule number</u></b> <b>Max score for Parts 1 &amp; 2 = 70</b>					
Enter TRUE or FALSE	Enter Rule Number	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.					
<b>Association Certification Chair Use Only</b>			# Correct Score %		
Official Notified of Score – Date _____			Notes:		



## Part 2 - Essay Questions

For the following situations, list the basic steps that you would take. Put down any rules or explanation that you feel helps describe your actions. In addition to the Rule Book, the **Implement Inspector's Handbook** can be very useful. Answer all 3 questions (10 points each). Max score for Part 3 = 30 points.

36. A 57-year-old male master athlete wants to have his 6 kg hammer certified for use at a **USATF** Masters National Championship meet. Discuss the steps you would take to certify the implement. List all the measurements you would make and describe how you would make them, where appropriate. (10 points)

37. There are times when you, as an implement inspector, are not given ample time to perform each and every measurement on the javelins to be used at a meet. When that is the case, make a list of the items below in order of importance. You may list items in order one at a time or group one or more together if you feel they are equally important. In your answer, write a short explanation of the sequence you chose and justify your choices. (10 points) \*Those in **Bold** have been added from original versions.

- A. Angle of the Point
- B. Balance (Center of Gravity)
- C. Check for Internal Movement**
- D. Condition of the Grip
- E. Grip Length
- F. Maximum Diameter
- G. Overall Length
- H. Overall Visual Inspection**
- I. Shaft Taper
- J. Surface Conditions (roughness)**
- K. Tip Length
- L. Weight

**Continue on next page.**

38. During the implement check-in process, an implement inspector might be presented implements with the following characteristics. Determine whether each of the implements below should or should not be allowed in the competition. Discuss your reason for making the decision you did. (10 points)
- A. A hammer with a badly curled wire that is barely short of the maximum allowed overall length.
  - B. A javelin with a wet grip that barely exceeds the minimum weight.
  - C. A hammer that is severely dented and thus not spherical.
  - D. A hammer with a handle that has obviously been changed in a way to allow for the overall length of the hammer to be acceptable.
  - E. A javelin with something heard rattling around when the inspector turns it end to end.
  - F. A discus with something heard rattling around inside of it.
  - G. A discus that is very hot from being left in the sun that has an overall diameter that is 3mm too large.
  - H. A hammer with a swivel that is elongated so that the hole is enlarged and the top of the swivel is distorted.

**This concludes Part 2 and the Rules Review.**