

Collision Repair Technology

Contest Update – March 20, 2021



Preparatory Information

TECHNICAL COMMITTEE CHAIR NOTES:

This year's State competition will be held in a virtual format. With contest components taking place at the local level, the advisor/instructor's involvement is crucial to the competitions' success and maintaining competitive events' integrity. Advisors/instructors will set the example for students by reviewing all preparatory materials, acting with integrity, honesty, and professionalism, and adhering to the ideals of SkillsUSA leading up to and during the conference and competitions.

For competitions requiring a Live Video Stream or Pre-Recorded Skills Demonstration, the advisor/instructor must be present for the duration to ensure students are following all safety and conduct regulations and expectations. The advisor/instructor may not assist during the live feed or recorded skill but may assist students in preparing in advance of the competition.

Advisors/instructors may not communicate with their students at any time during the contest, except in the case of safety or conduct violations or equipment malfunction or failure.

The description of the core events in the outline attempts to follow closely with what that specific event looks like at Nationals.

Competitors will login to Zoom using the link provided on the contest platform. Students should plan to login at least 10 minutes before their scheduled start time. When contestants login, camera angles and positioning, as well as sound to the Second Camera Proctor will be verified.

Students will complete each station, and when they are ready for judging the SCP will be moved into a breakout room with the judges for scoring. Students may be asked questions about their processes and general knowledge of the trade during judging.

The judges will provide clear instructions on the length of each station, what tasks must be completed, and what criteria will be used for judging.

This contest consists of 4 stations:

1. Metal Working – Contestant will repair damage to fender or panel.
 - a. New fender to be provided to each school by Universal Collision Center, Inc.
 - b. Each site must provide a worktable or fender stand with available air hose.
 - c. Each panel will be damaged in a similar fashion in an accessible area. Damage will include one dent with damage that would require body filler to complete the repair, and one dent that is to be metal finished only.

2. Welding – Contestant will demonstrate the following welds: Plug, Fillet, Butt Joint with Backing, and Open Butt Joint in Vertical Position. Based on ICAR Welding Qualification Test specifications.
 - a. Welds will be on 16- or 22-gauge steel.
 - b. ICAR will provide sheet metal panels will be provided 16–22-gauge steel 3” + 5” coupons, approximately 20 per student
3. Plastic Repair – Contestant will repair damage to plastic bumper cover. Repair will be two-sided and tab repair.
 - a. SkillsUSA will provide sections or bumper cover.
 - b. Each stie will provide a worktable with available air hose, nitrogen welders and other materials needed, as outlined on the supply list.
 - c. Plastic repair materials provided by 3M.