



2010

13th ANNUAL SKILLS MANITOBA COMPETITION

AUTO PAINT COMPETITION – PRE-ASSESSMENT QUESTIONNAIRE

This year for the 2010 Skills Manitoba Competition – Automotive Collision Repair Technology Segment the Manitoba technical committee is proposing to separate the paint segment of the competition from the collision repair related segments thus holding two individual, full-day competitions (5 hrs each) concurrently on the same day, April 8th at Red River College.

This proposal was tabled this year as the current provincial contest scope format only allows for approximately 1 hour of paint competition time in which the competitors are limited to the paint material types used and related paint activities that can be performed and evaluated in this short time period. In addition, at the National Canadian Skills Competition level, the Automotive Paint discipline is a separate two day competition where competitors are tasked with performing and evaluated on activities such as preparing and refinishing complete bumpers and hoods as well as performing spot repairs and paint repair and detailing.

As the new format proposal for this year would mean potential competitors would be able to only compete in one or the other of the competitions (the traditional collision repair segment or the new separate, all day paint segment), a pre-registration / competition survey was created. The intent of this survey is to gauge interest in the paint only competition and evaluate the current experience & related skill level of interested competitors to determine an appropriate scope of activities to be tested during the competition.

If you have an interested student or apprentice, please complete the following evaluation form by February 12th. This will allow sufficient time for the committee to make the required decisions to move forward and finalize the contest scope in order to distribute in time to all contestants for the upcoming competition date of April 8th.

All completed forms may be emailed to mailme@mts.net or gary.hirt@mts.net.

Thanks in advance for your consideration and help to ensure we design a fair and relevant paint competition for this inaugural year. Please feel free to contact Lawrence Danylchuk @ 586- 0423 or Gary Hirt @ 228-4611 for any questions regarding this questionnaire or the proposed competition format this year.

Competitor Level:

Secondary

Post-Secondary / Apprentice

Competitor School or Place of Employment (apprenticeship):

Competitor Name / contact info:

I would be interested in competing in the Paint / Finish Repair only competition:

Yes

No

Undecided

Current Paint Specific Level of Experience (Years / Months):

Paint Knowledge & Experience Assessment:

Rate the potential competitor's knowledge / experience of the following using a scale of 1 – 5:

1. No experience / exposure to this type of task
2. Very limited experience / exposure to this type of task
3. Able to perform this task under supervision with some guidance
4. Competent in performing this type of task with no supervision
5. Very experienced / competent in performing this type of task – could train others

| General Occupational Skills: | 1 | 2 | 3 | 4 | 5 |
|---|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Interpreting vehicle information (locating paint codes, etc) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Interpreting finishing technical manuals and documentation | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Interpreting safety and environmental regulations based on the materials being used | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Knowledge of finish repair techniques and refinish types | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Use of various hand tools for paint preparation / repair | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Use of various power (pneumatic) tools for paint preparation / repair | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Use of computers for technical information, colour formulas and paint mixing | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Knowledge of paint measuring equipment & mixing calculations | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Knowledge of required PPE for the task being performed & proper care of PPE | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Finish Preparation: | 1 | 2 | 3 | 4 | 5 |
| Knowledge of paint contaminants and types of cleaners and techniques | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Knowledge of types of paint imperfections (dings, chips, scratches) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Knowledge of repair techniques (feather-edging, striping, etc.) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Knowledge of various substrate types | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Selection and use appropriate masking materials and masking techniques | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Knowledge and use of abrasives, sanding techniques and appropriated grit selection | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Knowledge and application of polyester and glazing putties | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Knowledge, selection and application of primers and surfacers | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Knowledge of final sanding materials, methods and grit selections | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Refinishing: | 1 | 2 | 3 | 4 | 5 |
| Selection of appropriate finish equipment for type of material being used | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Knowledge of spray gun components and set-up as per manufacturers | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| | | | | | |
|--|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| specifications | | | | | |
| Ability to troubleshoot equipment & spray set-up problems | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Knowledge of spray booth types, controls and adjustments | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Ability to set-up booth to ensure a clean, dust-free job | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Knowledge of drying types and systems | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Ability to prepare refinishing materials (scales, ratios, and mixing equipment) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Select and use appropriate solvents, reducers and activators | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Knowledge and application of sealers | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Knowledge and application of single stage urethanes | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Knowledge and application of conventional solvent based basecoat / clear coat finish systems | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Knowledge and application of waterborne basecoat / clear coat finish systems | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Knowledge of colour theory and ability to perform colour matching techniques | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Knowledge and application of proper spray equipment cleaning and preventative maintenance | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Ability to service spray gun and replace worn parts | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Defect Repair & Detailing: | 1 | 2 | 3 | 4 | 5 |
| Knowledge of surface imperfection types (runs, dust nibs) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Knowledge of techniques and repair processes for surface imperfection removal | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Knowledge and use of abrasives and polishes and buffers to repair surface imperfections | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Removal of masking materials | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Application of decals, mouldings and striping per specifications | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

In addition, to help us prepare better for tool and equipment requirements for the competition, please advise on following finish & related equipment:

| Equipment Description | Have / Would Use Own | Would Require for Comp |
|--------------------------------|--------------------------|--------------------------|
| Hand Sanding block(s) | <input type="checkbox"/> | <input type="checkbox"/> |
| Orbital pneumatic sander | <input type="checkbox"/> | <input type="checkbox"/> |
| Blow Gun | <input type="checkbox"/> | <input type="checkbox"/> |
| Spray Gun (primer) | <input type="checkbox"/> | <input type="checkbox"/> |
| Spray Gun (basecoat) | <input type="checkbox"/> | <input type="checkbox"/> |
| Spray Gun (topcoat) | <input type="checkbox"/> | <input type="checkbox"/> |
| Fresh Air Supplied Hood / Mask | <input type="checkbox"/> | <input type="checkbox"/> |
| Paint Suit | <input type="checkbox"/> | <input type="checkbox"/> |
| Other: | <input type="checkbox"/> | <input type="checkbox"/> |

Lastly, please provide any comments or suggestions you feel we should take into consideration in the planning of this first paint only competition (use additional pages as required):