

## Notice of Change

### New Product Implementation and Release Website Information

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**Trade/Occupation Name & Code:** Tool and Die Maker (430A)

**Implementation Date of New Standard:** May 23, 2023

#### Implementation Plan:

- Apprentices who began their apprenticeships on the former 2002 Apprenticeship Training Standard can complete their program using the performance objectives in that standard.
- All apprentices with Training Agreements registered on or after May 23, 2023 must be trained to the new Training Standard.
- The previous Training Standard will no longer be available on the Skilled Trades Ontario website.

#### Standard Access

##### Apprenticeship Training Standards:

- The new Logbook will be available on the Skilled Trades Ontario website.

#### General Description of Changes

The structure of the Tool and Die Maker Apprenticeship Training Standard was revised significantly to harmonize with the Tool and Die Maker Red Seal Occupational Standard (RSOS). This new structure creates a more efficient and user-friendly document and ensures optimal flow from one competency to the next for the apprentice. The new Apprenticeship Training Standard has 18 Skill Sets (in comparison to the 15 Skill Sets in the previous version). This restructure also includes a reordering and regrouping of the Skill Sets to close the gap on several inter-related skills.

While the fundamental principal and concepts in the new document were maintained, some language was changed to reflect current occupational terminology and more details were included in terms of specific tasks Tool and Die Maker apprentices need to complete to effectively acquire the competency.

Major content changes made throughout document were also driven by industry changes specifically, advancements in machining and tooling technologies.

New Mandatory Skill Sets and Skills Content:

The following updated skill sets and/or skills are mandatory in the new standard as they encompass competencies that are now part of the typical work performed by Tool and Die Makers and reflect the use of equipment held in most tool and die shops:

- Skill Set 9495 Perform Computer Numerical Control (CNC) Machining (*replaces former skill set 5274*)
- Skill Set 9496 Perform Electrical Discharge Machining (EDM) (*replaces former skill set 5275*)
- Skill 9486.09 Use hoisting, lifting, rigging and supporting equipment (*integrates content from former optional skills 5266.16, 5269.13, 5270.17, 5271.12, 5272.22, 5273.15, 5274.11, 5275.09 and 5277.09 related to moving workpieces*)
- Skill 9488.03 Plan project activities (*integrates content from former optional skills 5267.07, 5269.09, 5270.19, 5272.18, 5273.12, 5274.09 and 5275.07 related to material identification*)
- Skill 9497 Perform Heat Treatment and Hardness Testing (*integrates content from former optional skill 5267.06 Check hardness*)
- Skill 9490.03 Saw straight and angle cuts (*integrates content from former optional skill 5269.07 Cut shapes using a vertical saw*)
- Skills 9489.02 Perform manual operations, 9489.03 Finish workpiece, 9491.06 Finish holes using drill presses, 9494.07 Finish holes using a honing machine (*integrate content from former optional skill 5271.06 Hone holes*)
- Skills 9489.02 Perform manual operations, 9489.03 Finish workpiece and 9491.06 Finish holes using drill presses (*integrate content from former optional skill 5271.07 Lap workpiece*)
- Skill 9494.06 Grind tools and cutters (*integrates content from former optional skill 5271.09 Grind tools and cutters*)
- Skills 9492.02 Set-up conventional lathes, 9492.04 Turn internal and external surfaces using conventional lathes (*integrates content from 5272.16 Knurl cylindrical surface patterns*)
- Skill 9493.01 Determine conventional milling machine requirements (*integrates content from 5273.06 Perform fly-cutting*)