

## Delivery and Evaluation Instructions

### Roles

Here is a list of all the roles involved in this performance measure.

- **Candidate:** The individual completing the performance that will be assessed.
- **Operator:** The individual who runs the program written by the Candidate. This person must be qualified to operate the CNC machine used, and may or may not be the Candidate's Instructor. The Candidate **cannot** run their own program.
- **Evaluator:** The individual who inspects the part that is created after running the Candidate's program. Only those who are allowed to inspect other NIMS parts (MET-TECs or an instructor with the Inspector credential) may inspect this part. The Evaluator submits the affidavit online.
- **Instructor:** The individual who trains the Candidate and guides the entire performance process. Depending on the organization type, the instructor may be the Operator too. Only instructors with the Inspector credential may act as the Evaluator.

### Performance Process

1. Instructor provides Candidate with items listed under [Deliverables to Candidate](#).
2. Candidate completes programming and all documentation (listed under [Submission Components](#)), then submits files to the Instructor.
3. Instructor uses the provided NIMS checklists (listed in [Evaluation Resources](#)) to determine if all needed information is on the documents.
4. Instructor provides Operator all files, tool lists, setup sheets, and process plan. The part may not be run without all the necessary documentation.
5. Operator runs the part as programmed by the Candidate. **Only speed and feed adjustments for fine tuning** can be made by the Operator, no geometry or workholding changes or markups on documentation are allowed to bring the part into specification.
6. The part is inspected by the Evaluator.
7. The Evaluator submits the affidavit online to NIMS. Instructor provides all documentation to the Evaluator listed under [Affidavit Submission](#) (scans/edited PDFs are recommended).

If modification is needed to the program, the Operator and Candidate can work together to get it to meet specifications, but all the work has to be done by the Candidate.

### Deliverables to Candidate

These items must be provided to the Candidate.

- Programming Instructions
- Corner Clamp Left Hand (LH) STEP file
- Corner Clamp Left Hand (LH) print
- Edge Clamp STEP file with incorrect finger height and location
- Edge Clamp print

### Submission Components

The following items must be submitted by the Candidate for evaluation to fully complete the official performance measure for CAM Milling I. Incomplete and/or failing submissions will NOT result in a credential.

- Process plan
- STEP files for all parts
- NC program files for all parts
- Tool list(s) for all parts
- Setup sheet(s) for all parts

### Evaluation Resources

The Instructor or Evaluator must use the following checklists to evaluate the documents and files submitted by the candidate. Parts may not be run without all the necessary documentation.

- Tool List Checklist
- Process Plan Checklist
- Setup Sheet Checklist

NIMS also provides an optional (but strongly recommended) tool for data entry for each defined feature on the CAM Milling I projects. Use of this tool will provide more insight to both the candidate and instructor about the evaluation of the performance. Contact NIMS at [support@nims-skills.org](mailto:support@nims-skills.org) to get a link to this data tool.

### Affidavit Submission

The Evaluator should be prepared to upload the following documents to complete the affidavit online:

- Process plan and process plan checklist (PDF and .zip files accepted)
- STEP files for all parts (.zip files accepted)
- NC program files for all parts (.zip files accepted)
- Tool list(s) and tool list checklist(s) (PDF and .zip files accepted)
- Setup sheet(s) and setup sheet checklist(s) (PDF and .zip files accepted)