



**NIMS Inspector Credential Webinar  
January 2020**

**The webinar will begin soon.**

**Only webinar hosts can speak, so you should  
not expect to hear others speaking.**



## Questions?

1. Open the Q&A button found at the bottom of the Zoom Meeting screen.
2. Type your question in the Q&A box that will pop up and click send.

All questions will be answered at the end of the presentation, but you can ask them as we go.

Use the Chat function for any technical issues with the webinar (sound, visuals).

**This webinar will be recorded and distributed to registered participants.**

# Inspector Credential Webinar

January 9, 2020



# Goals For Webinar

- ▲ Address updates to the test
- ▲ Talking about exam objectives (not technical GD&T questions)
- ▲ Highlight training resources
- ▲ Q&A about content covered

# Value and Importance of Inspector Credential

Key Benefits of Inspector Credential include:

- ▲ Inspect NIMS performance parts on-site at your school/organization
- ▲ Eliminate the need for outside validation
- ▲ Dramatically reduce inspection process bottlenecks
- ▲ Credential follows you, not your organization

# Objective of the Exam

Confirm knowledge needed to verify NIMS credentialing projects

1. Understand geometric controls (not just symbols)
  - a. Features and their attributes
  - b. Legal methods for verification
2. Unify print interpretation
3. Datum simulation (machine tool setups)

# Updates Since Release Based On Feedback

- ▲ Removed bonus questions on affidavit submission process
- ▲ More detailed feedback
- ▲ Improved pictures
- ▲ Clarified wording of questions
- ▲ Study guide has been updated

# The Big Picture



# Relaxed Checks vs Legal Checks

# Inspection Scenarios

1. Check the location of a hole that is geometrically controlled from 3 plane surfaces
  - .010" diametrical tolerance zone
  - Rectangular block
2. Check the parallelism of 2 plane surfaces

## Relaxed

- Unofficial measurement
  - Builds confidence

## Legal

- Official measurement

# Inspection Scenario 1 (Hole Location)

## Relaxed

- Dial calipers

## Legal

- CMM and accessories
- Conventional
  - Surface plate
  - Angle plate
  - Height gauge
  - Dial indicator
  - Gauge blocks

# Inspection Scenario 2 (Parallelism)

## Relaxed

- ▲ Micrometer

## Legal

- ▲ CMM and accessories
- ▲ Conventional
  - ▲ Surface plate
  - ▲ Height gauge
  - ▲ Dial indicator

# Training Resources

# Study Resources on the NIMS Website

- ▲ NIMS-facilitated [GD&T train-the-trainer workshops](#)
- ▲ [Inspector Credential FAQs](#)
- ▲ [Inspector Credential Detail Page](#)
- ▲ [Inspector Study Guide](#)

# Study Resources

Recommended Third-Party Materials:

- ▲ GD&T training and textbooks provided by [Technical Consultants, Inc.](#)
  - ▲ The best way to prepare for this exam is to take the [GeoTol Pro Fundamentals Training Program](#) and [Fundamentals Online Program](#) and perform the exercises in the [GeoTol Pro Fundamentals Workbook](#) with emphasis on the specific units and topics outlined in the study guide.
  - ▲ [GeoTol Program Breakdown](#)
  - ▲ [GeoTol Core Competencies](#)



# Q&A





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# Coming Soon (2020)

- Dimensional measurement credentials
  - Partnering with Boeing and OMIC
  - Series of inspection credentials
  - Adds performance element(s)



# Next Steps

Contact [support@nims-skills.org](mailto:support@nims-skills.org)  
with any future questions

Webinar recording will be sent to registered people and  
posted on the NIMS website