

Learning Outcomes



By the end of this lesson, you will be able to:

- · Identify potential political considerations of implementation
- Generate a recommendation document based on best implementation practices in the United States
- Develop a personal action plan for promoting a specific change in your organization
- List the implementation steps
- Identify emerging issues, technology, and trends that may affect the application of quality assurance (QA) principles in the future



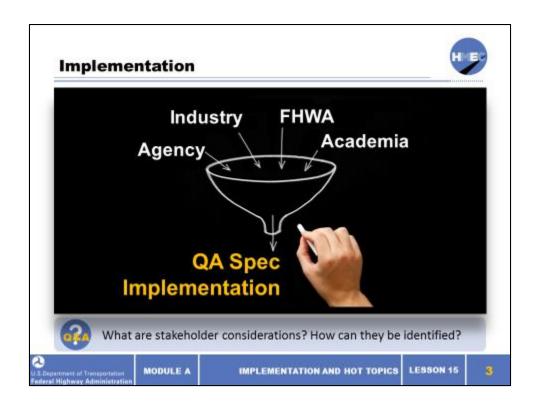
This lesson will take approximately 60 minutes to complete.

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U.S.Department of	Transportation
Federal Highway	Administration

MODULE A

IMPLEMENTATION AND HOT TOPICS

LESSON 15





Implementation Steps to Follow



- 1. Sell the QA spec in-house
- Communicate information about the spec to different stakeholders
- 3. Integrate spec into the agency and industry
 - Method of integration
 - Training
 - Personnel and lab qualification

LESSON 15

MODULE A

IMPLEMENTATION AND HOT TOPICS

Step 1: Sell QA Spec In-House

MODULE A



- Explain the spec and goals for implementation
- · Identify target audience and how the spec will benefit users
- · Create an implementation team with a "champion"



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Step 2: Communicate • Specifying agency • Contractor associations • FHWA **Description of the property of t

Step 3: Integrate Spec Into the Agency



- · Method of Integration:
 - Specification simulation
 - Pilot projects
 - Partnering with industry
 - Phase in pay factors





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Step 3: Integrate Spec Into the Agency Training Content of training Joint training What is your training experience? How much of your training has been joint training with contractor personnel? MODULE A MODULE A MINISTRACT OF TOPICS LESSON 15 5

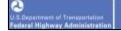
Step 3: Integrate Spec Into the Agency Training Content Why procedures are important Basic stats Calculations MODULE A IMPLEMENTATION AND HOT TOPICS LESSON 15

Step 3: Integrate Spec Into the Agency



- Tech Training
 - Time-consuming but necessary
- Tech Qualification
 - Both agency and contractor
 - Qualified versus certified





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Step 3: Integrate Spec Into the Agency



- · Qualified Laboratory
 - Checks test equipment
 - Keeps records of calibration checks





MODULE A

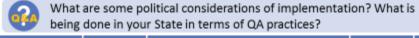
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Review of Implementation Steps to Follow

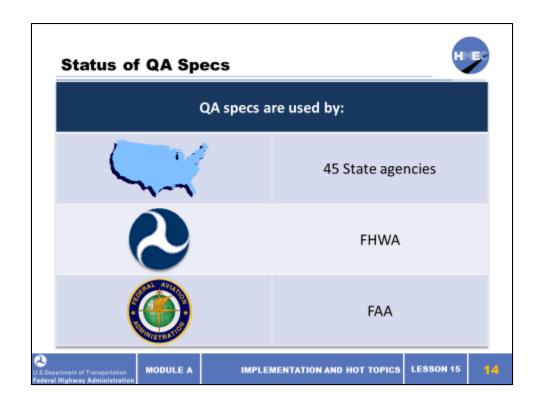


- · Sell the spec in-house
- Communicate information about the spec to different stakeholders
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 - Personnel and lab qualification



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Emerging Issues, Technologies, and Trends



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- · New test development
 - Example: Superpave protocol
 - Leads to precision statement development
- · Pay factor establishment



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Emerging Issues, Technologies, and Trends Evolution of specifications Better/more efficiency in producing and accepting quality products Reexamine spec limits through risk analysis FHWA software development Performance-related specs MODULE A MODULE A MODULE A MALEMENTATION AND HOT TOPICS LESSON 15

SpecRisk Software Program



 "SpecRisk" is a software program developed to permit agencies and contractors to analyze the risks associated with performance-related specification acceptance plans.

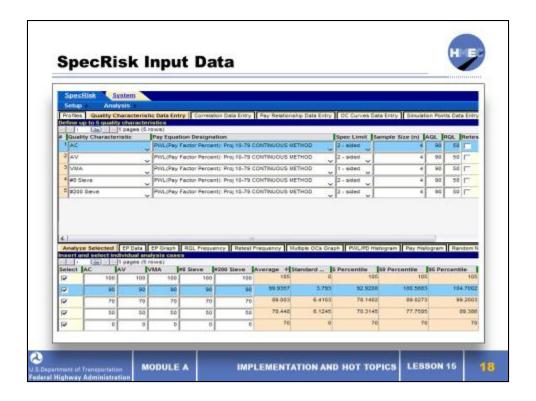


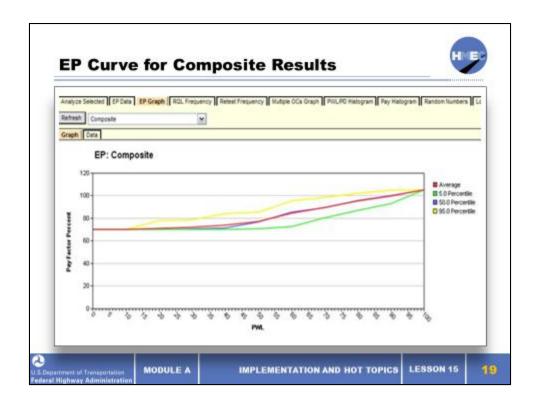
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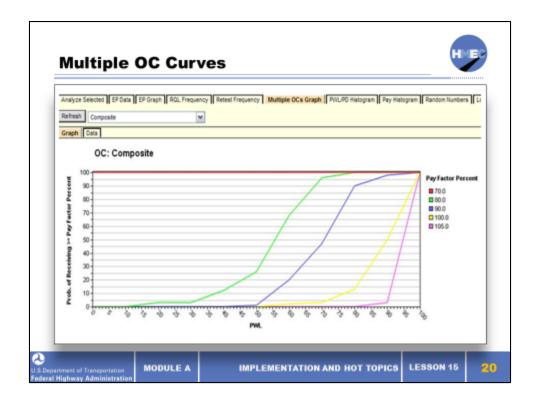
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Learning Outcomes Review



You are now able to:

- · Identify potential political considerations of implementation
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MODULE A

 Identify emerging issues, technology, and trends that may affect the application of QA principles in the future

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