



# Update: EPA Proposed Radon Credentialing Criteria

Indoor Environments 2024 Radon & Vapor  
Intrusion Symposium

September 17, 2024



# Session Objectives



*By the end of today's session, you will have....*

- Learned more about EPA's 2023 Proposed Radon Credentialing Criteria.
- Improved understanding of how the criteria may apply to you.
- Learned about feedback received from 2024 EPA Regional Stakeholder meetings.



A radon **professional's job** is **complex, technical and multi-disciplinary**.

EPA's role in supporting **quality and integrity** of the radon profession:

1. Device accuracy/precision: National radon reference through EPA's National Air and Radiation Lab
2. Standards of practice: ANSI-AARST voluntary consensus standards (VCS)
3. Professional qualifications: Proposed Credentialing Criteria

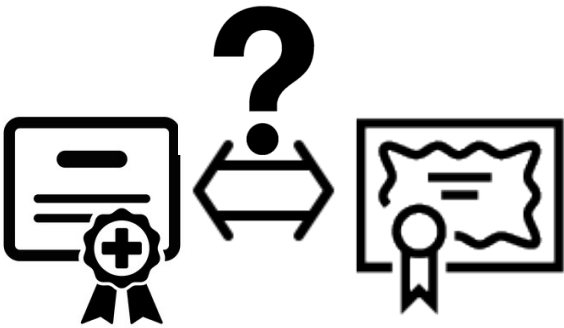


# Radon Service Provider Credentials



## Varied Approaches

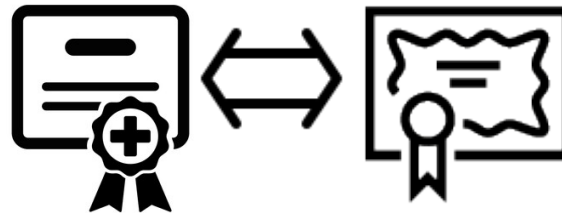
- 2+ Certification bodies and 20 states administer professional credentials.



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## Build Consistency

- EPA quality standard.
- Process to identify quality credentials.



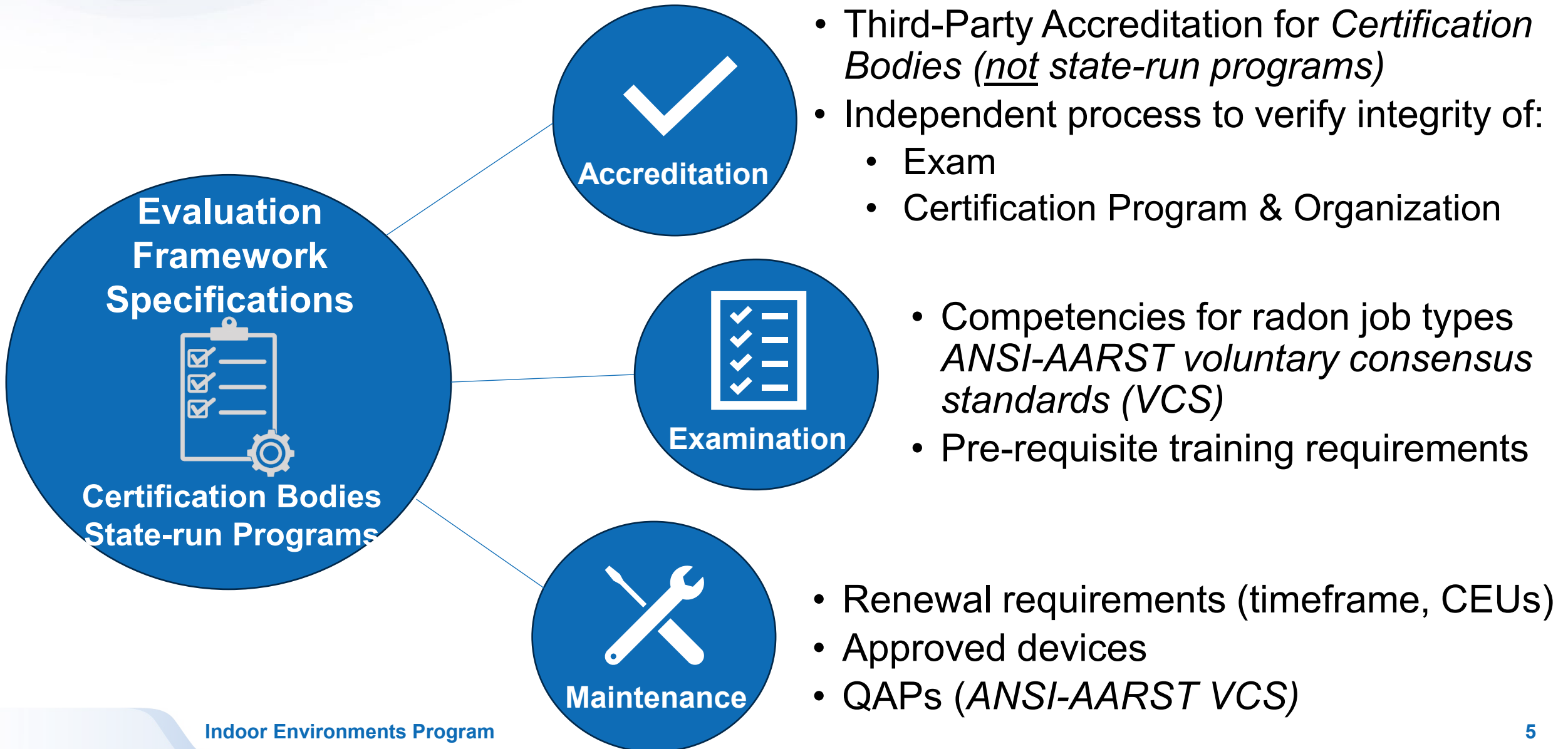
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## Potential Impacts

- Build consumer trust and confidence to use credentialed providers.
- Increase testing & mitigation by credentialed providers, in support of National Radon Action Plan.



# 2023 Proposed Credentialing Criteria

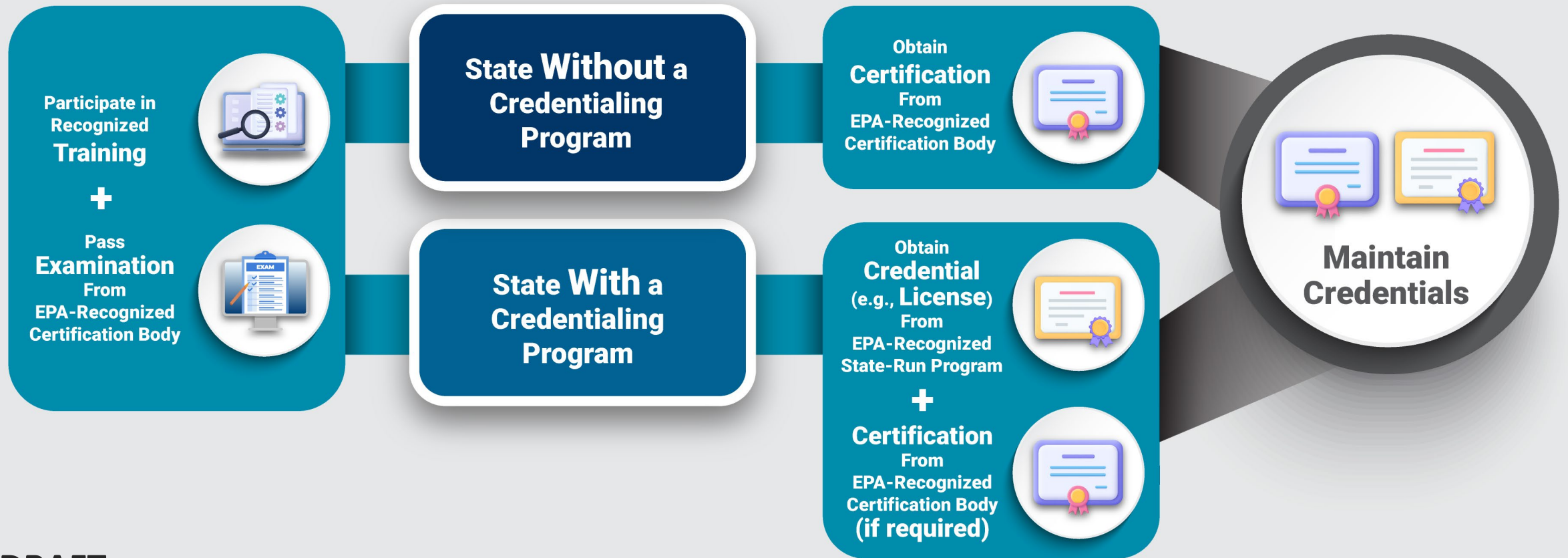




# If You Are a Service Provider...



## Continue Your Existing Process to Obtain & Maintain Credentials



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# Feedback on 2023 Criteria



## 2023 Federal Register

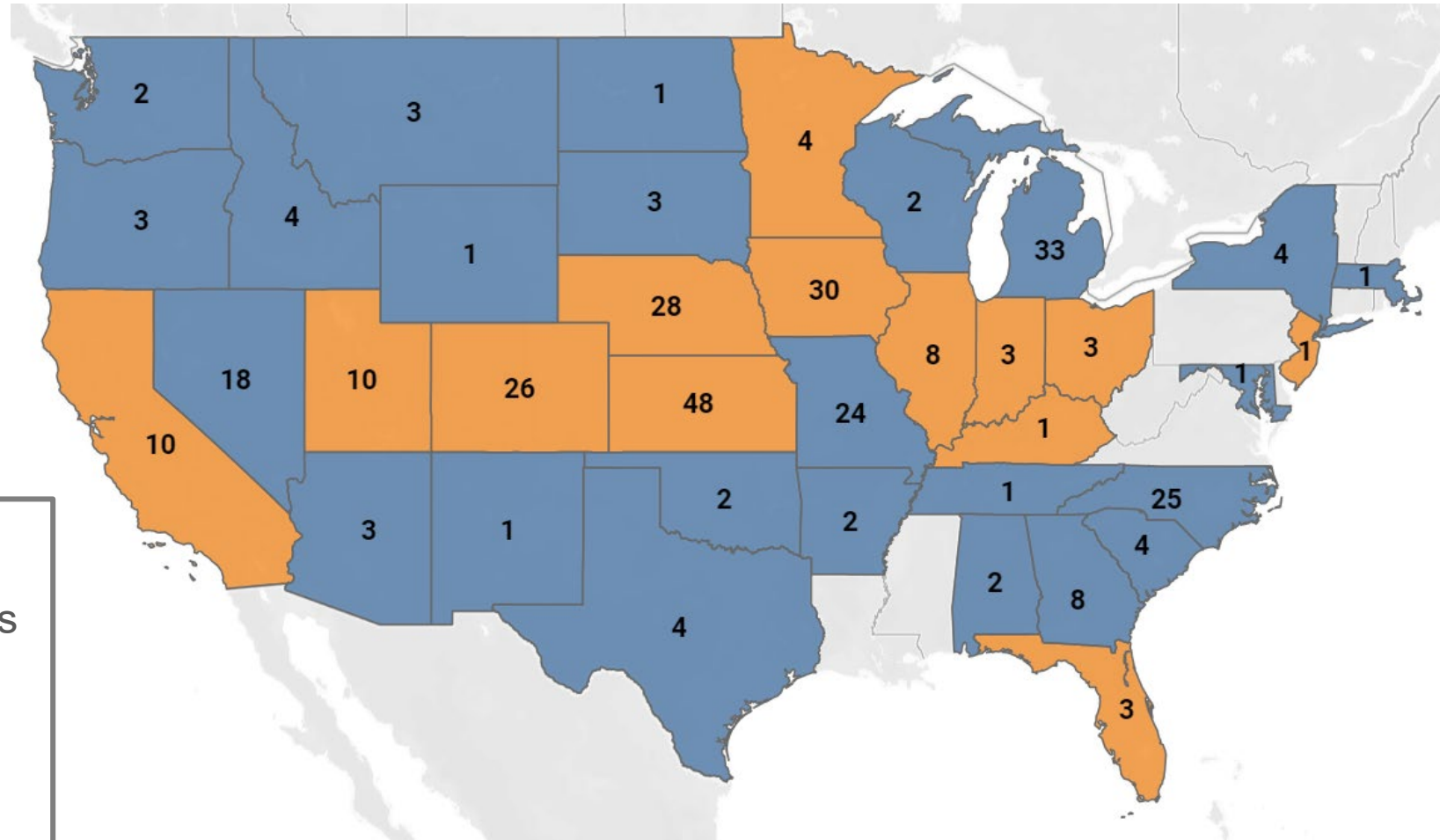
- Second public comment period
- 29 respondents
- More states supportive than in 2017
- Commenters remained concerned about potential impact third party accreditation:
  - Costs
  - Demand for services

## EPA Regional Strategy Meetings

- Four Meetings: 329 Participants from 38 states.
- Voluntary Consensus Standards
  - Requirement for maintaining credential
  - Impacts on quality of measurement practices and workload
- Quality Assurance Plans
  - Impacts on workload



# Regional Meeting Participants by State



## States Represented

- No Credentiaing Requirements
- Credentiaing Requirements

**Total attendees: 329**

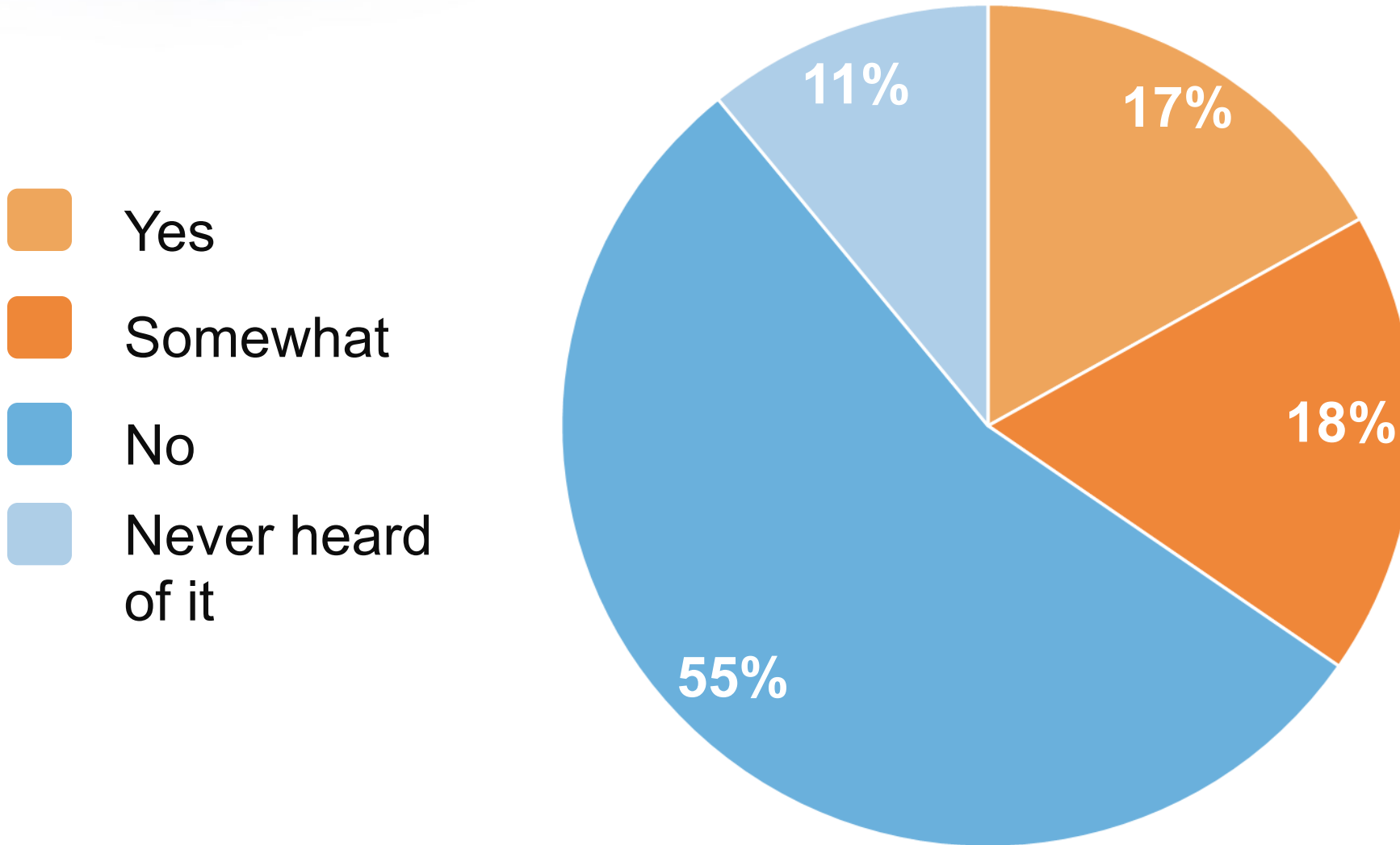
Industry: 61%

Government: 37%

EPA: 2%



# Are You Familiar with EPA's 2023 Proposed Credentialing Criteria?



Total Responses: 330



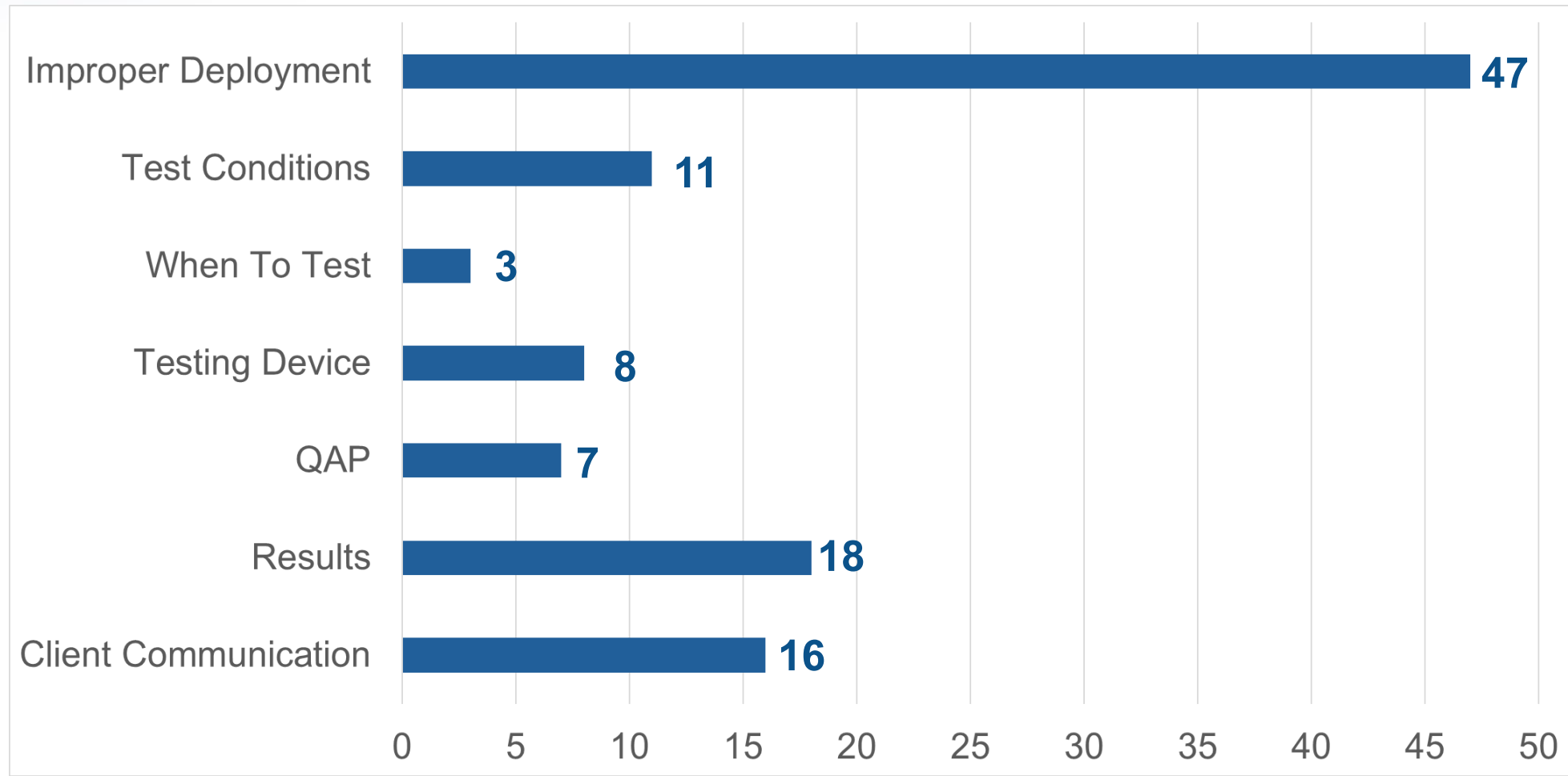
# Benefits from EPA playing a more active role in the credentialing space?



Total Responses: 195



# Experience with poor measurement practices when ANSI/AARST standards aren't followed?



Total Responses: 75



# Experience with poor measurement practices when standards aren't followed? (continued)



	# of Responses
<b>Improper Deployment</b>	<b>47</b>
Location	13
Location (distance from external walls)	2
Location (distance from ground)	5
Location (distance from HVAC duct)	1
Location (freezer, refrigerator)	3
Location (sump pit, crawl space)	7
Location (lowest level that is/could be occupied)	6
Device selected (appropriateness, consumer-grade monitor)	5
Use of appropriate standard	1

	# of Responses
<b>Test Conditions</b>	<b>11</b>
Closed Building	9
Closed Building (window)	1
Closed Building (window AC)	1
<b>When to Test</b>	<b>3</b>
Severe Weather	2
Seasonal Consideration	1
<b>Testing Device</b>	<b>8</b>
Tampering/Client	5
Calibration	1



# Experience with poor measurement practices when standards aren't followed? (continued)

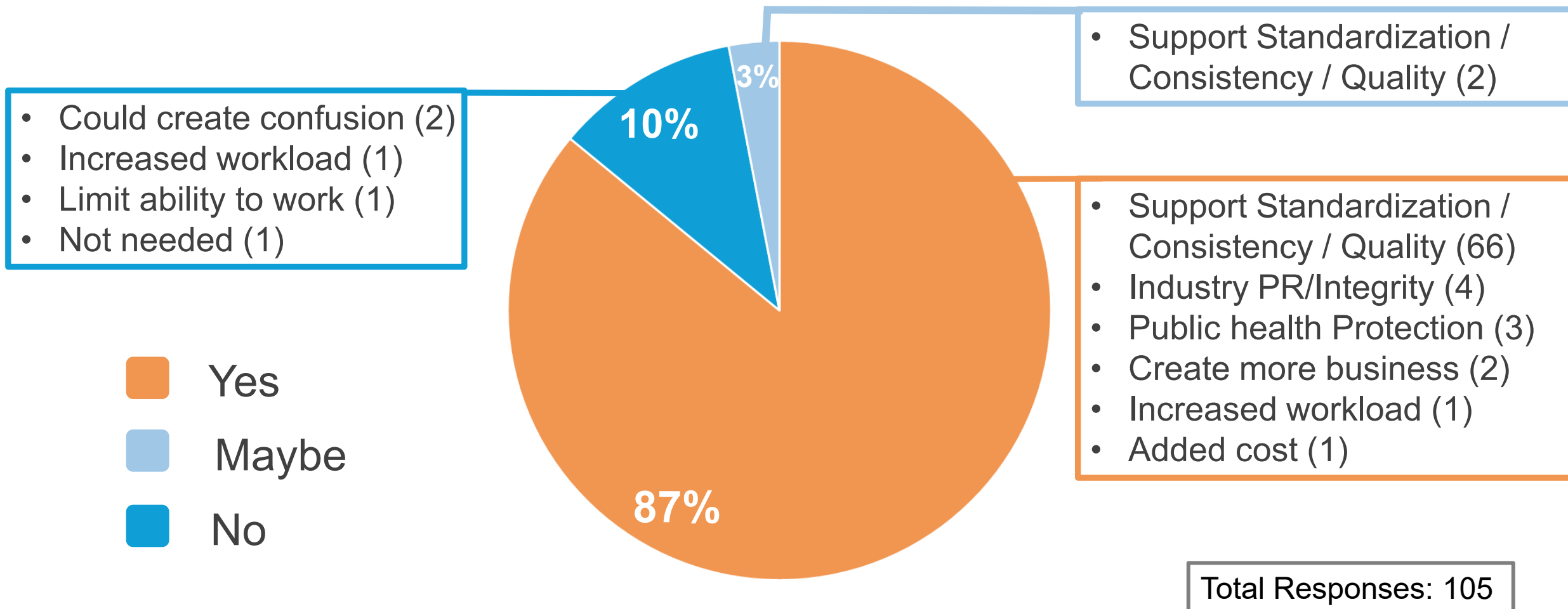


	# of Responses
<b>QAP</b>	<b>7</b>
Improper Implementation	3
Chain of custody	3
Misuse (not following instructions)	1
Device Expiration	1
<b>Results</b>	<b>18</b>
Inaccurate	11
Incorrect Analysis	2
Retesting Required	2
Device selected (appropriateness, consumer-grade monitor)	5
Use of appropriate standard	1

	# of Responses
<b>Client Communication</b>	<b>16</b>
Prior Notification (Conditions Required)	8
Prior Notification (Real estate agents and clients)	2
Reporting Results	6

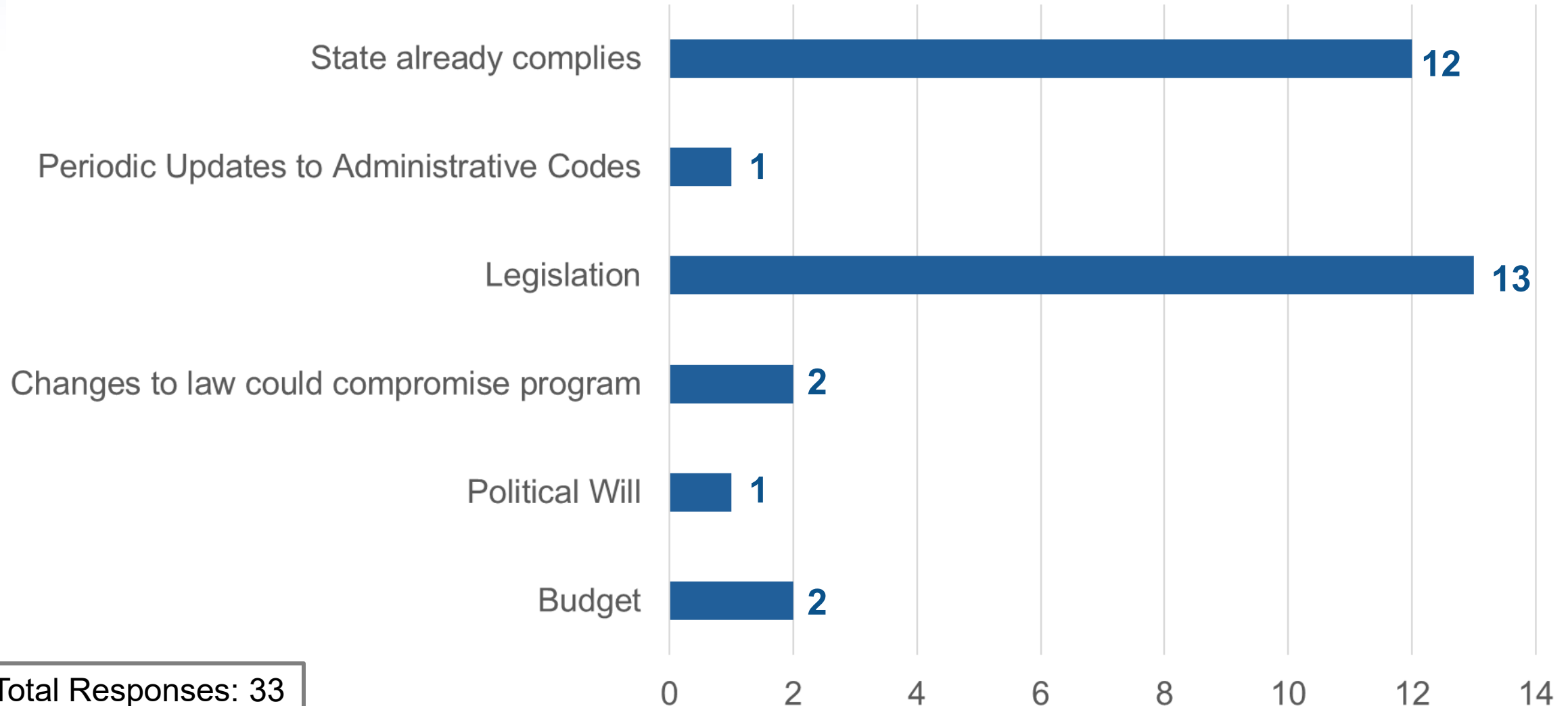


# Should adhering to the ANSI/AARST standards also be required for maintaining credentials? Why or why not?



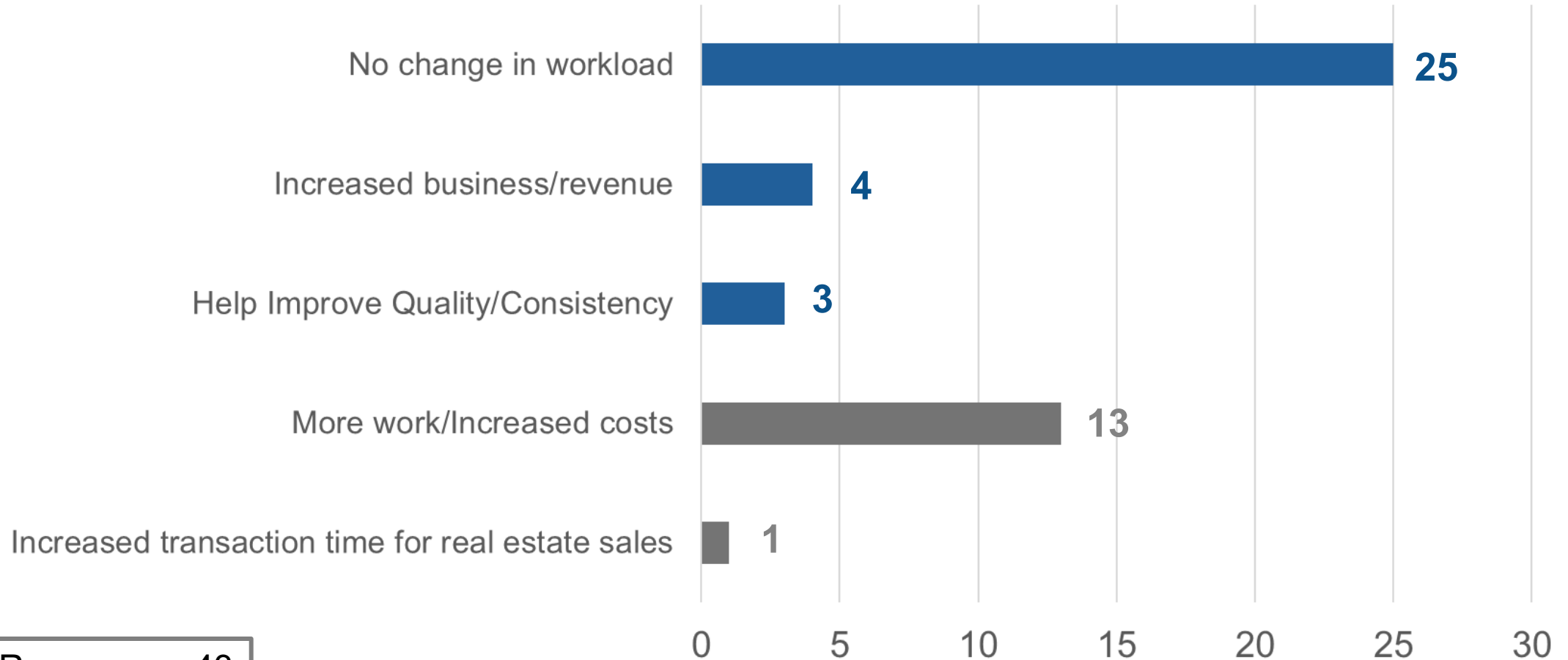


# What would it take to adopt the standards?





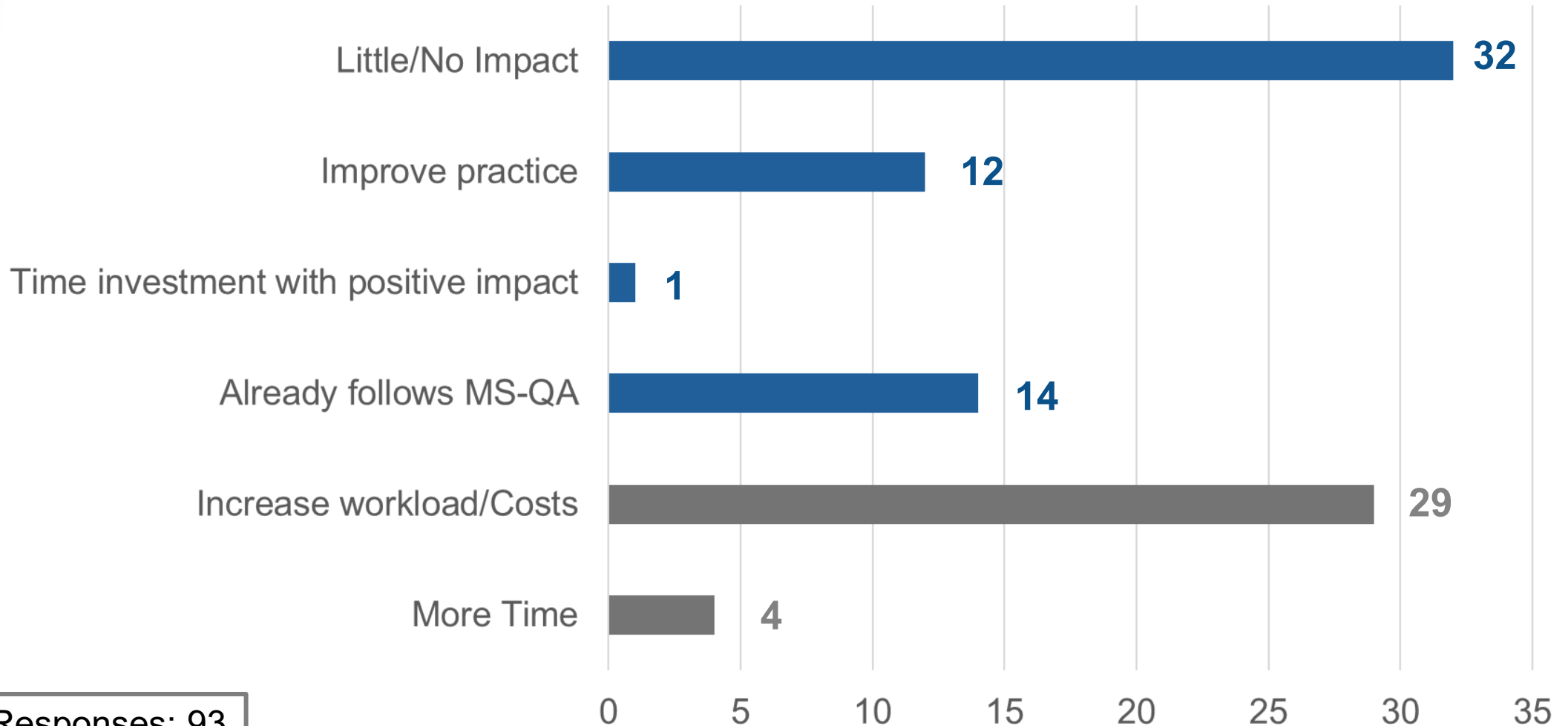
# What would the impacts on workload/business practice be for following the standards?



Total Responses: 43



# How would requiring verification of a QAP impact your workload or business practice?



Total Responses: 93



# Questions?



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# If You Are a Certification Body...



## Achieve Third-Party Accreditation

*ISO/IEC 17024:2012*

&

## Maintain Adherence to EPA Criteria

### Develop/ Maintain Examination



- Pre-Requisite Training Requirements
- Expert Panel & Stakeholder Feedback
- Voluntary Consensus Standards

### Develop/ Maintain Certification

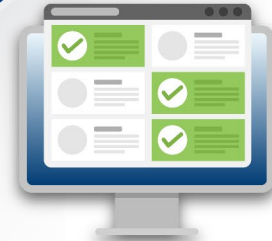


- Verify Test Devices & Quality Assurance Plan
- Credential Renewal
- Suspension/Withdrawal

Accreditation  
Body  
Reports to  
EPA



Receive  
Recognition  
From EPA



Maintain List of  
Certified  
Providers

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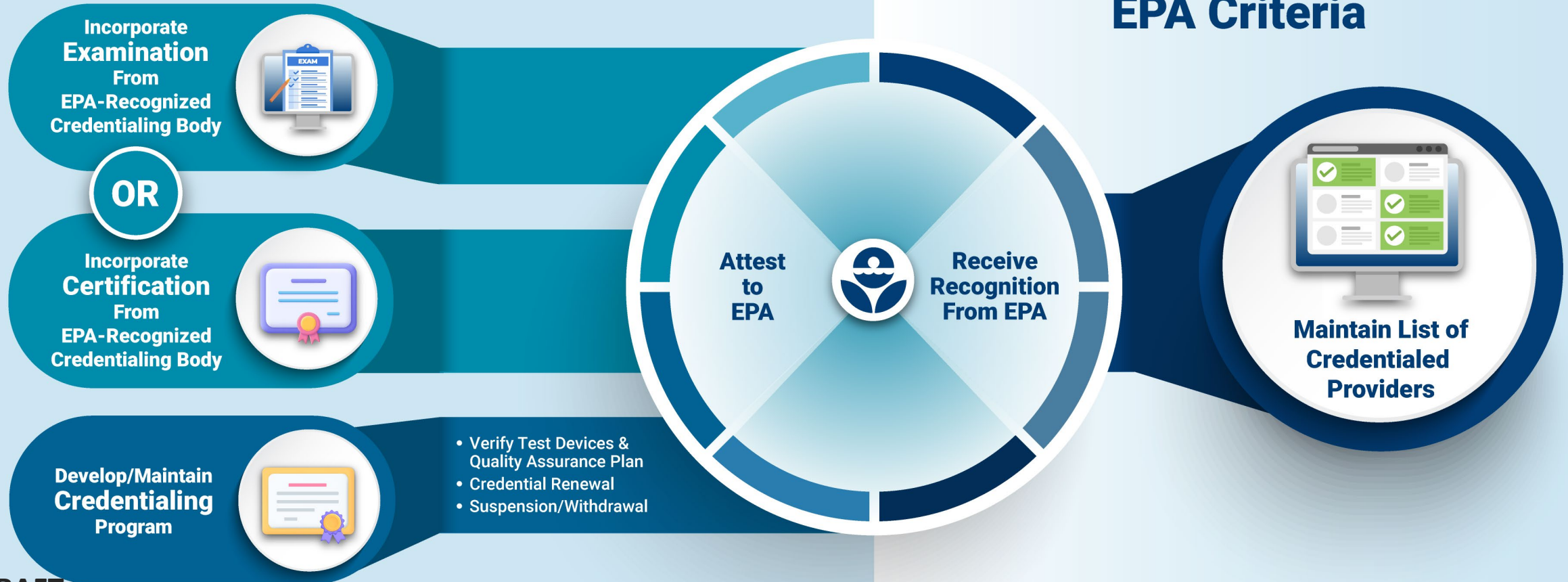


# If You Are a State-Run Program...



## Meet Evaluation Framework

## Maintain Adherence to EPA Criteria



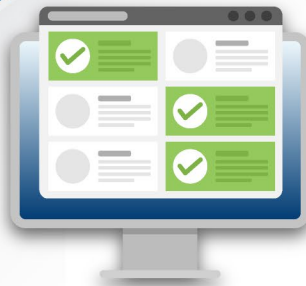
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# If You Are a State Without a Program...



## Maintain Adherence to EPA Criteria



**Maintain List of  
Credentialed  
Providers**

- List Providers
- Link to EPA-Recognized Certification Bodies

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