



SURVEY OF PROFILER CERTIFICATION METHODS

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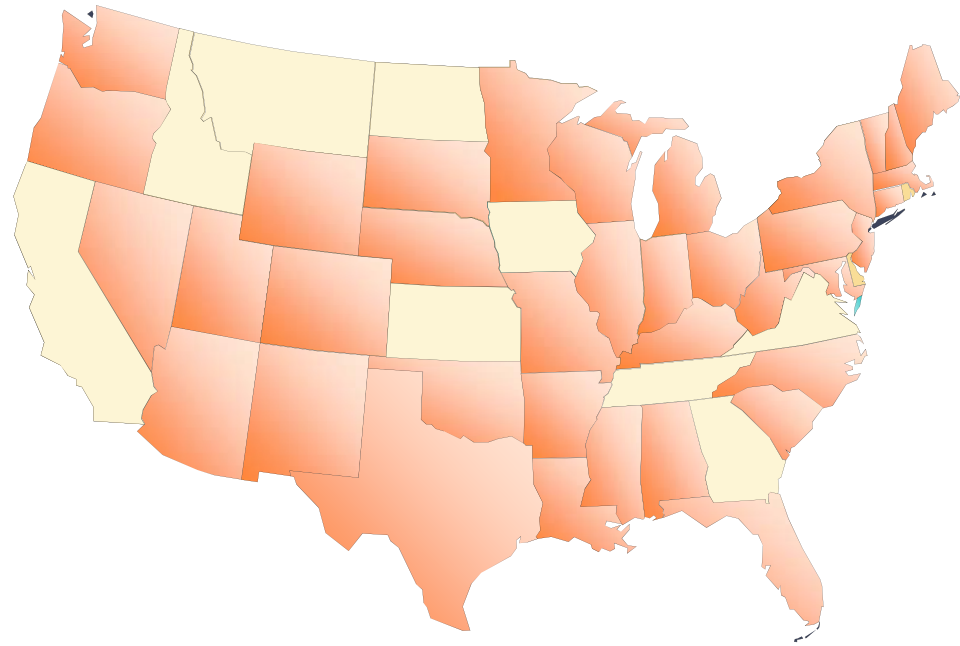
South Dakota Department of Transportation

September 18, 2013

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SURVEY & RESPONDENTS

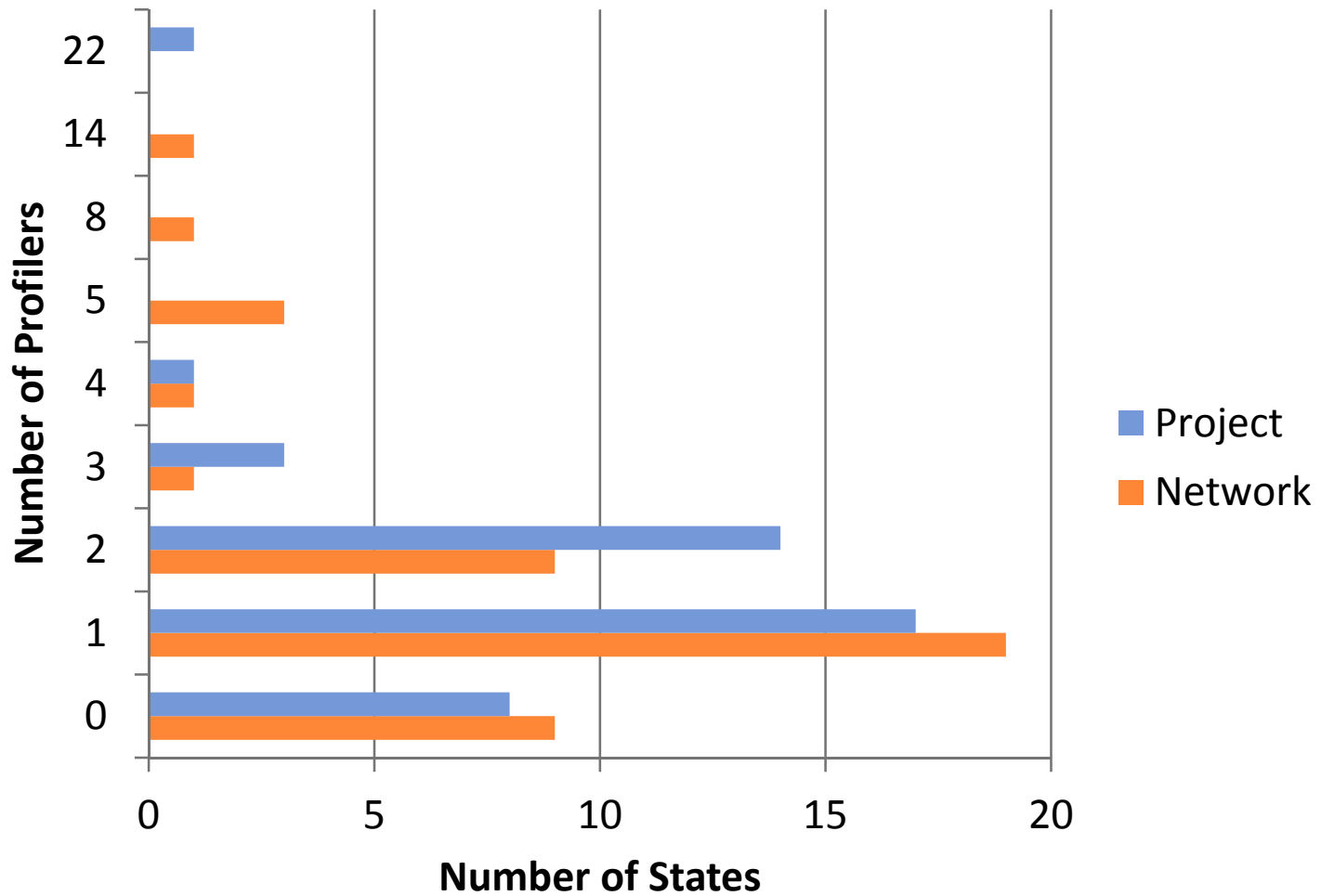
- For Pooled Fund Study TPF-5(063) *Improving the Quality of Pavement Profiler Measurement*
- March-April 2012 (pre MAP-21)
- States & Provinces
- ~15 questions
- Aimed at gauging need, interest in profiler certification



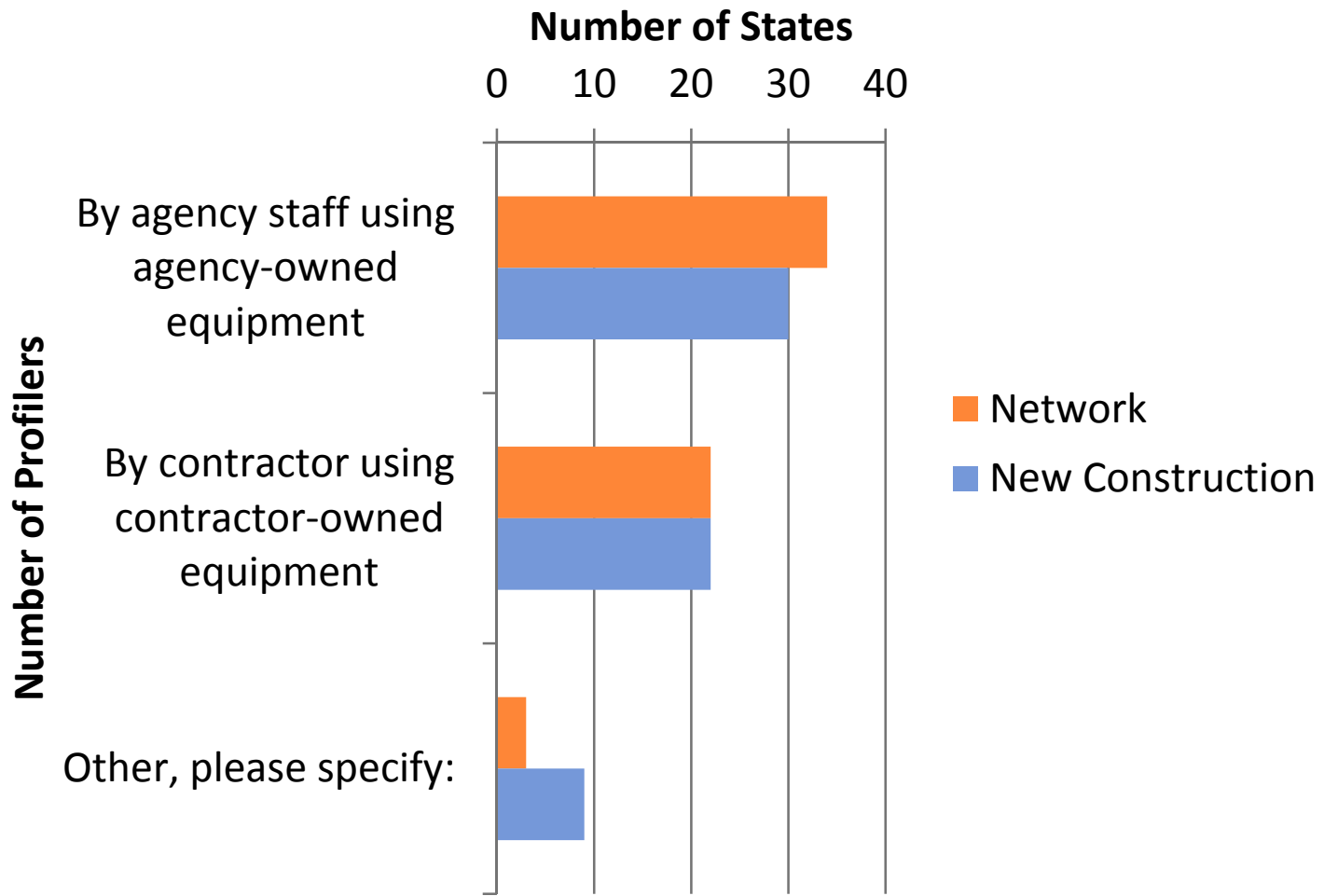
Plus

- Alaska
- Puerto Rico
- British Columbia
- Quebec
- Ontario
- FHWA LTPP

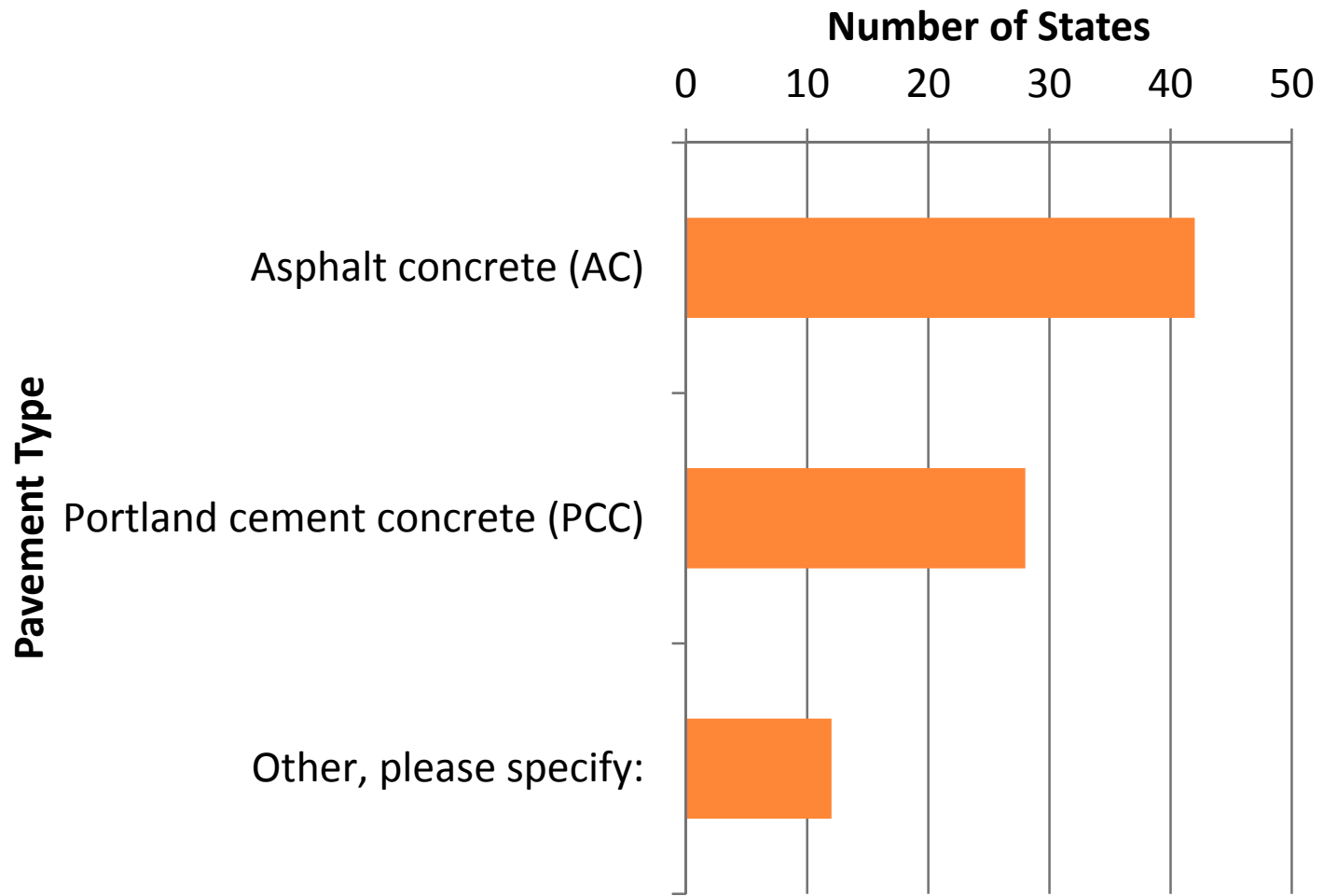
HOW MANY INERTIAL PROFILERS DOES YOUR AGENCY OWN AND OPERATE?



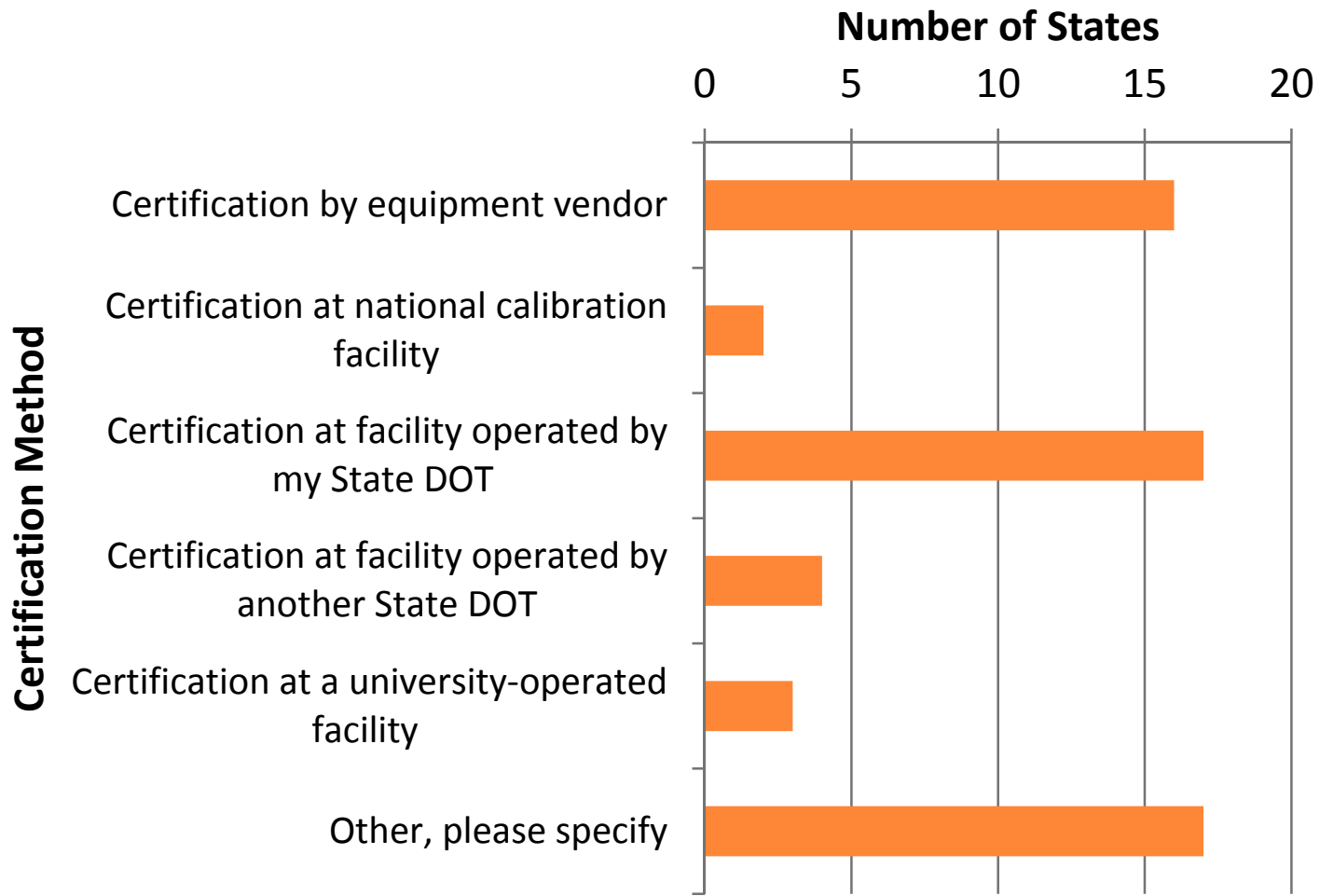
HOW DOES YOUR AGENCY MEASURE ROUGHNESS?



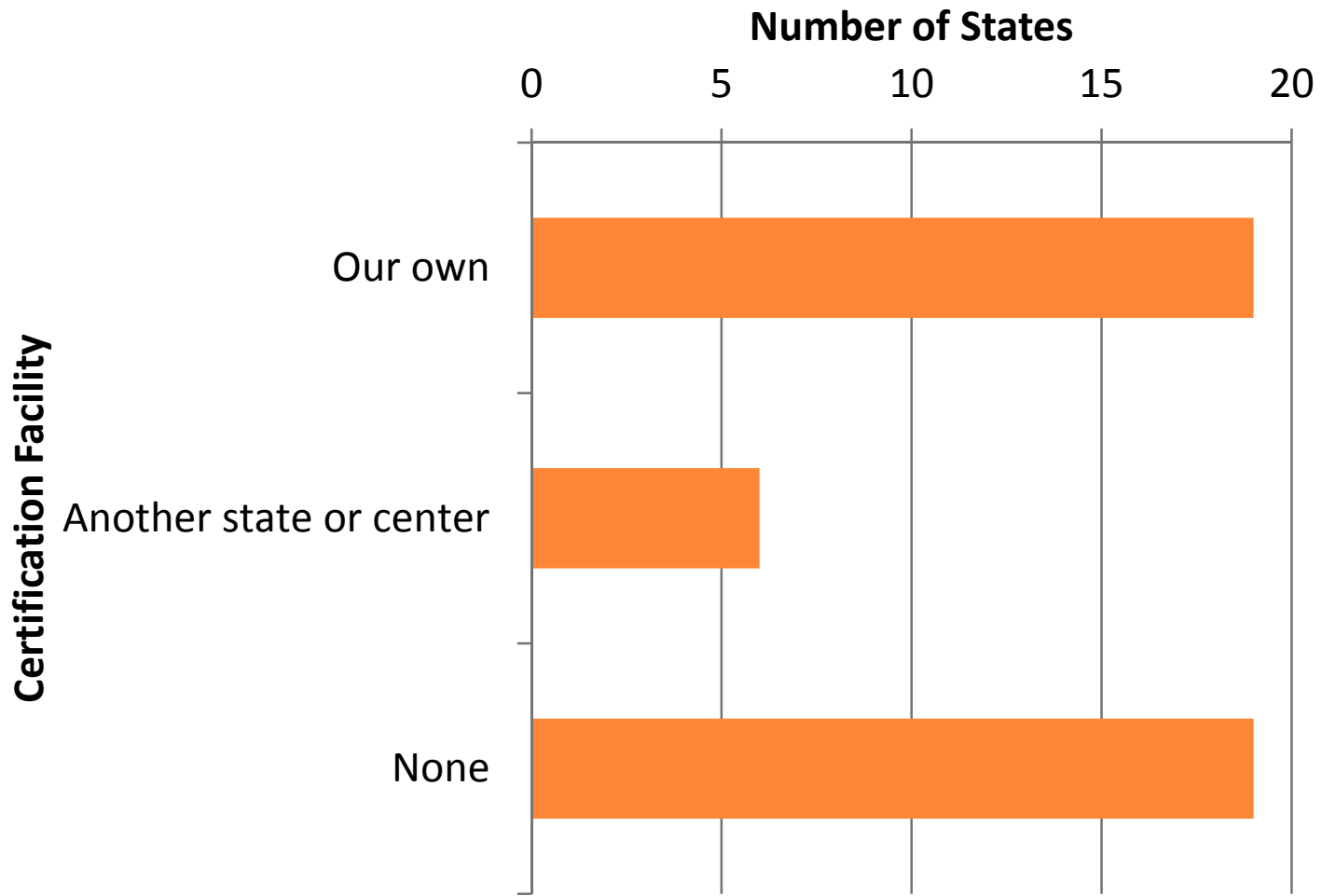
FOR WHICH PAVEMENT TYPES DOES YOUR AGENCY USE HIGH- OR LOW-SPEED INERTIAL PROFILERS TO ASSESS CONSTRUCTION QUALITY?



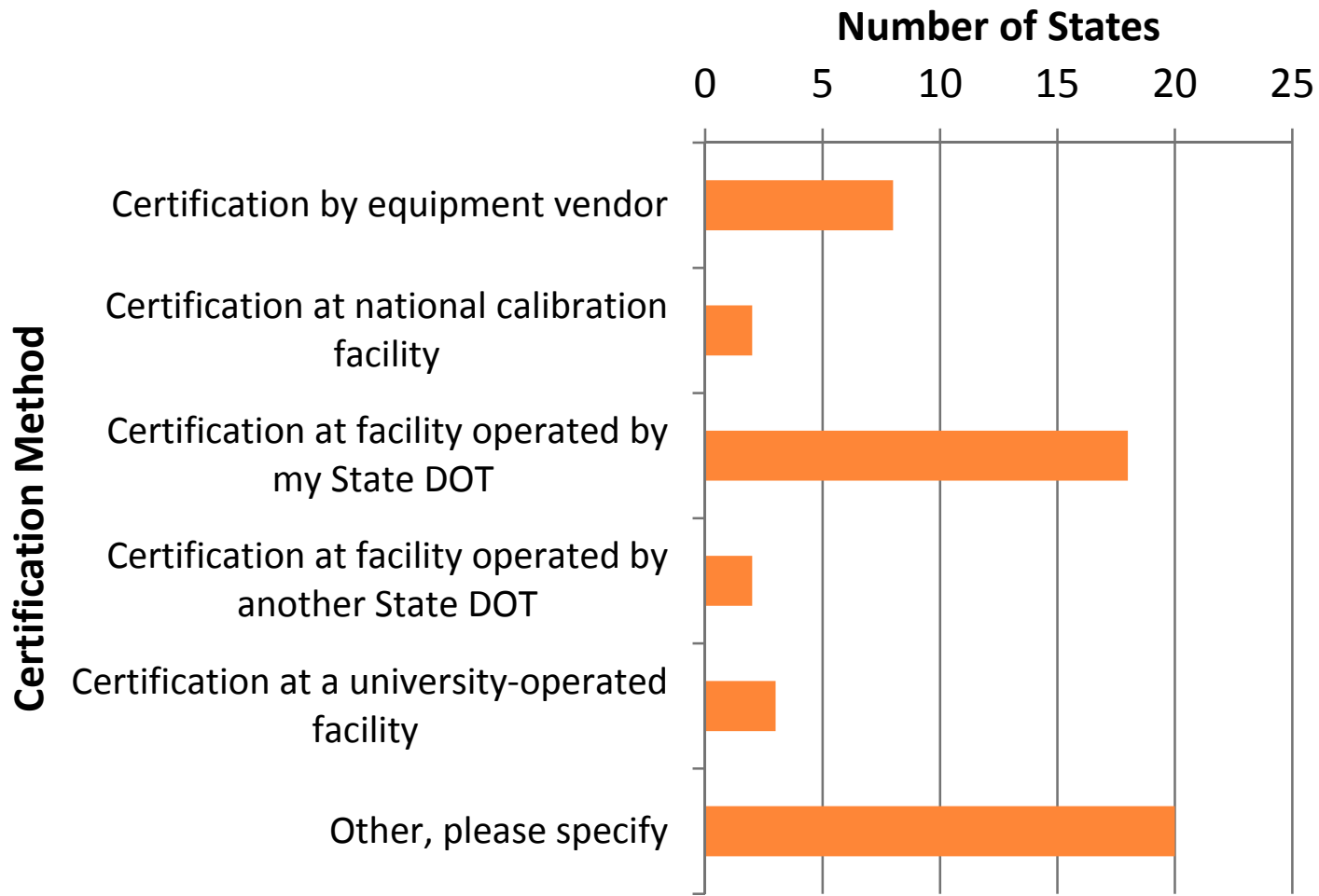
HOW DOES YOUR AGENCY CERTIFY AGENCY-OWNED INERTIAL PROFILERS?



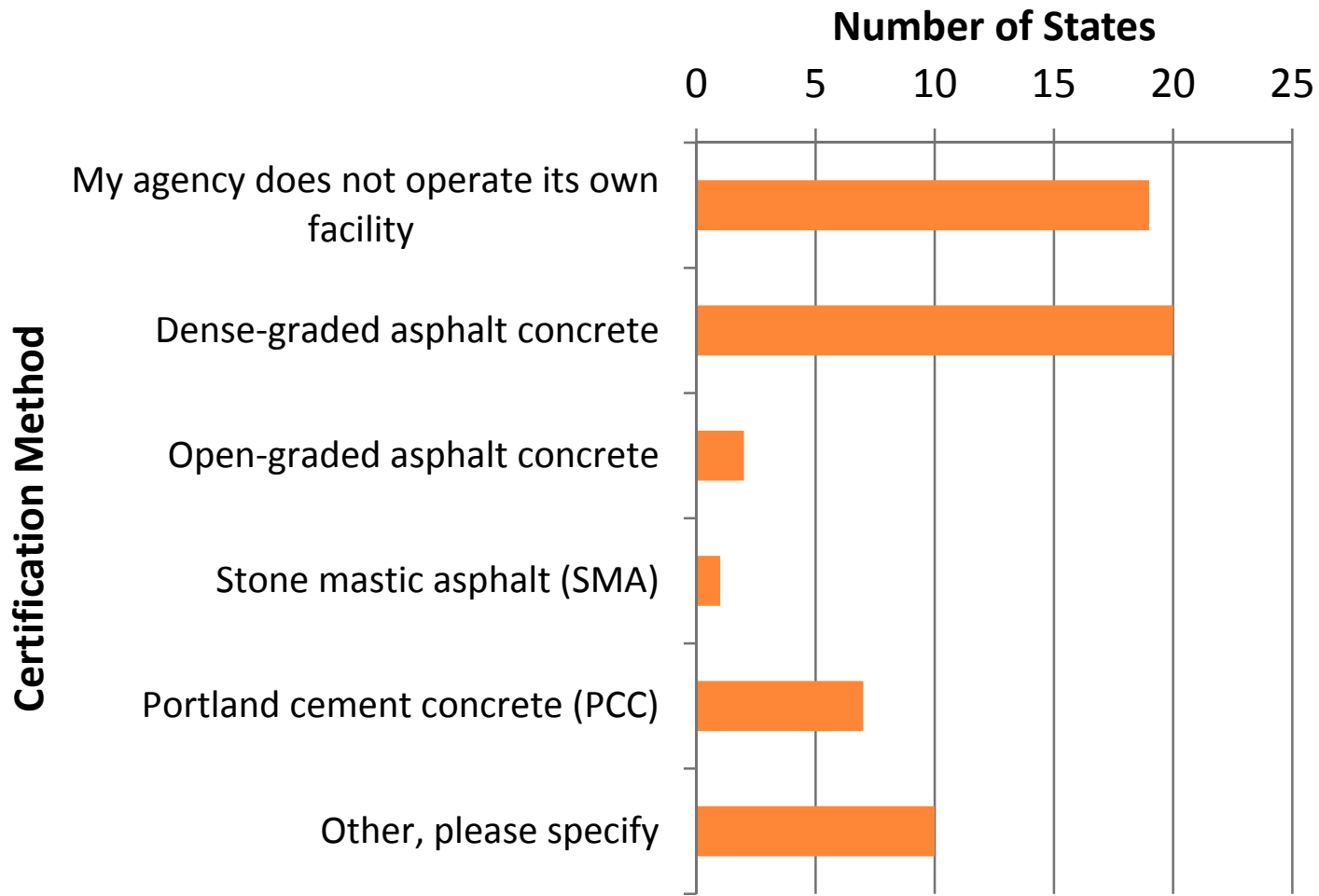
PLEASE IDENTIFY THE PROFILER CERTIFICATION FACILITY YOUR AGENCY USED MOST RECENTLY:



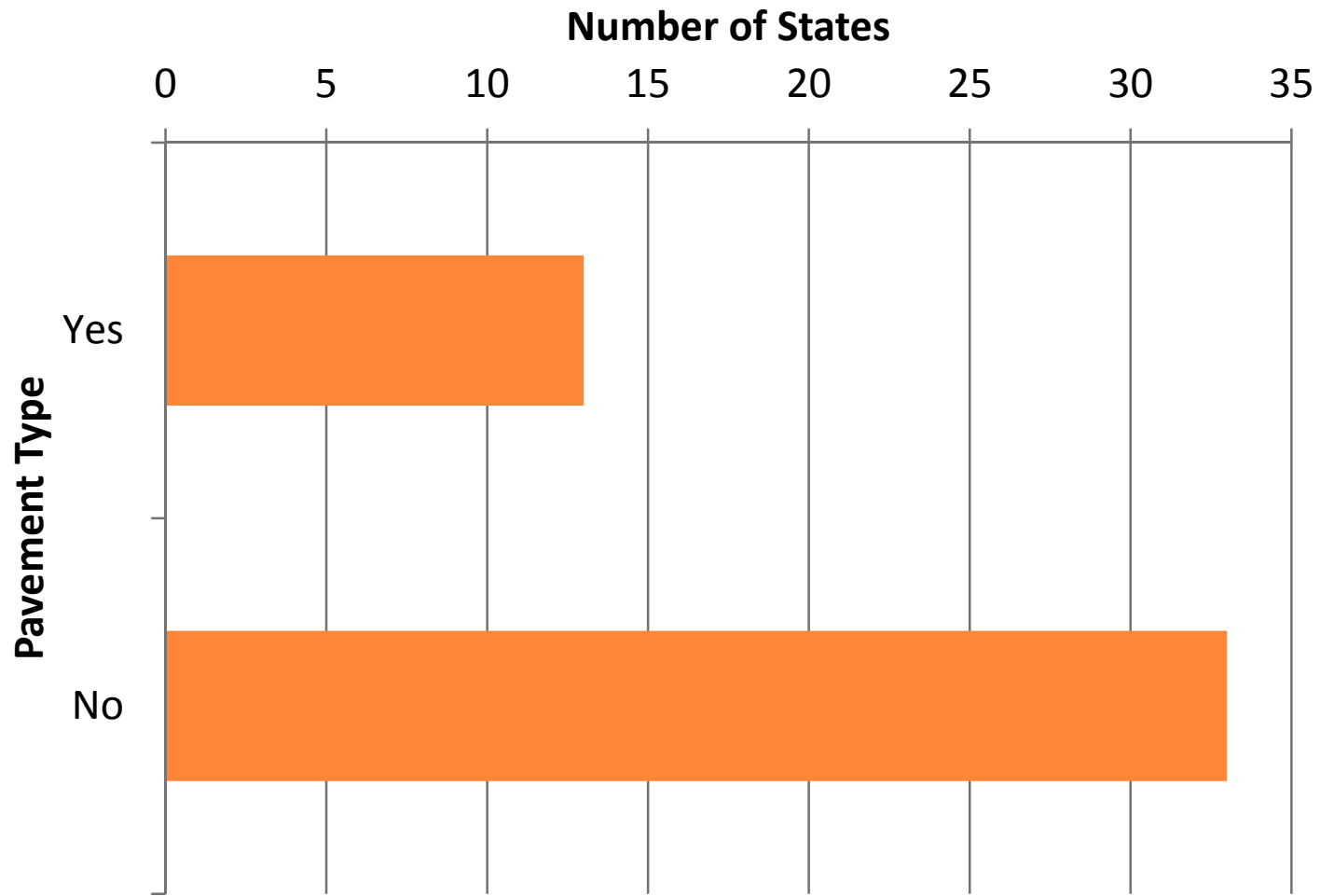
HOW DOES YOUR AGENCY CERTIFY CONTRACTOR-OWNED INERTIAL PROFILERS?



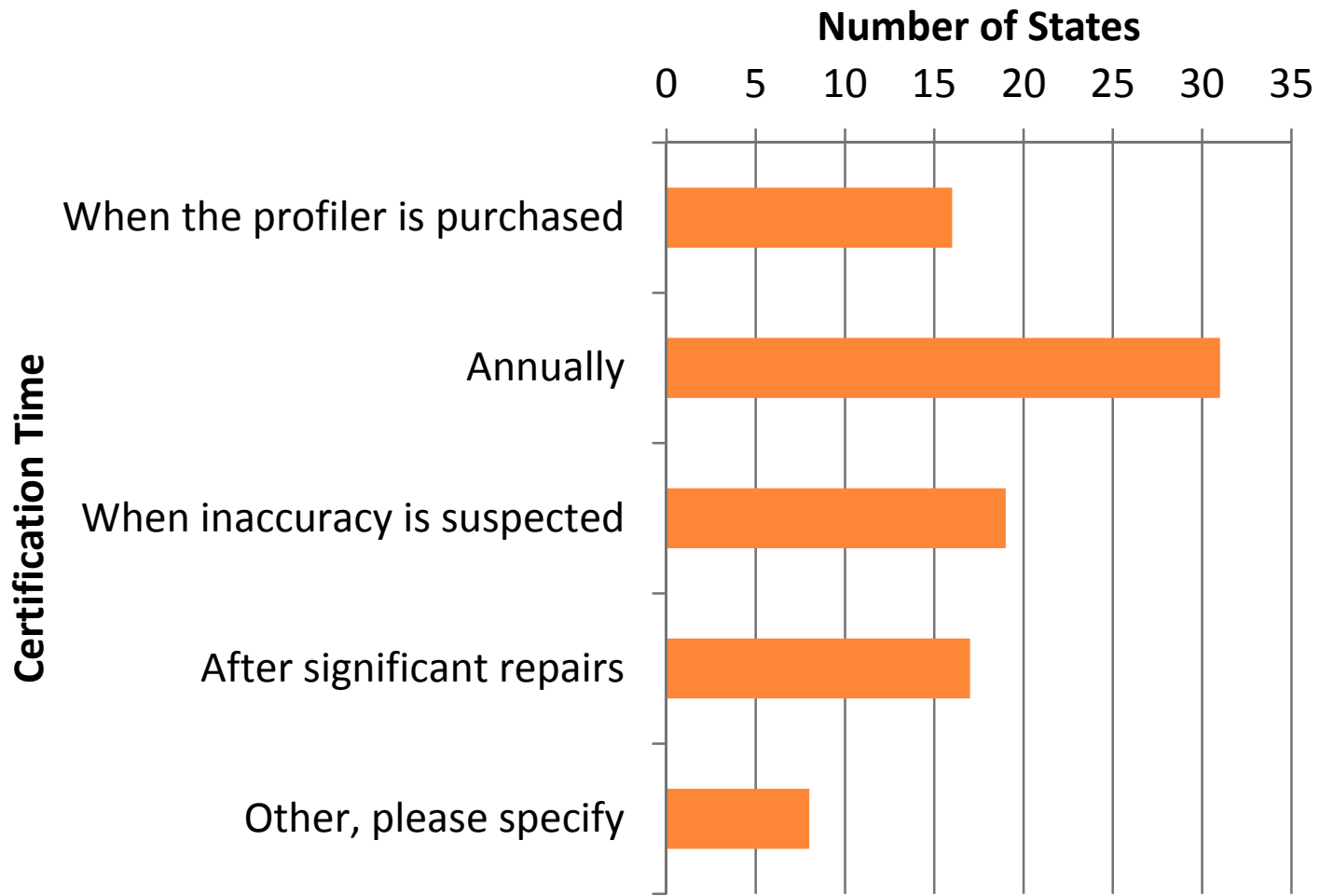
IF YOUR AGENCY OPERATES ITS OWN CALIBRATION FACILITY, WHAT TYPES OF PAVEMENTS DOES IT INCLUDE?



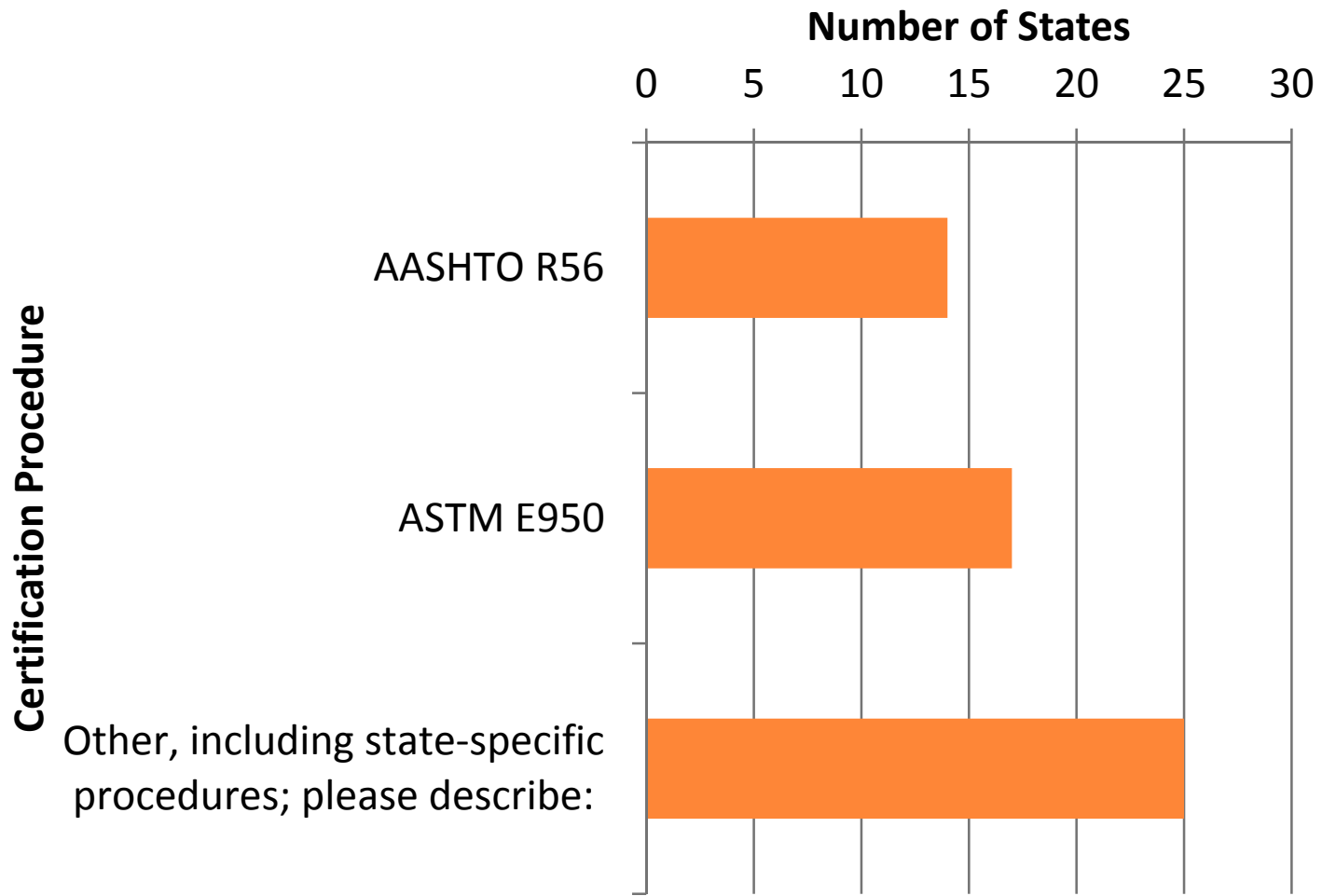
DOES YOUR AGENCY HONOR PROFILER CERTIFICATION GRANTED BY OTHER STATE DOTs?



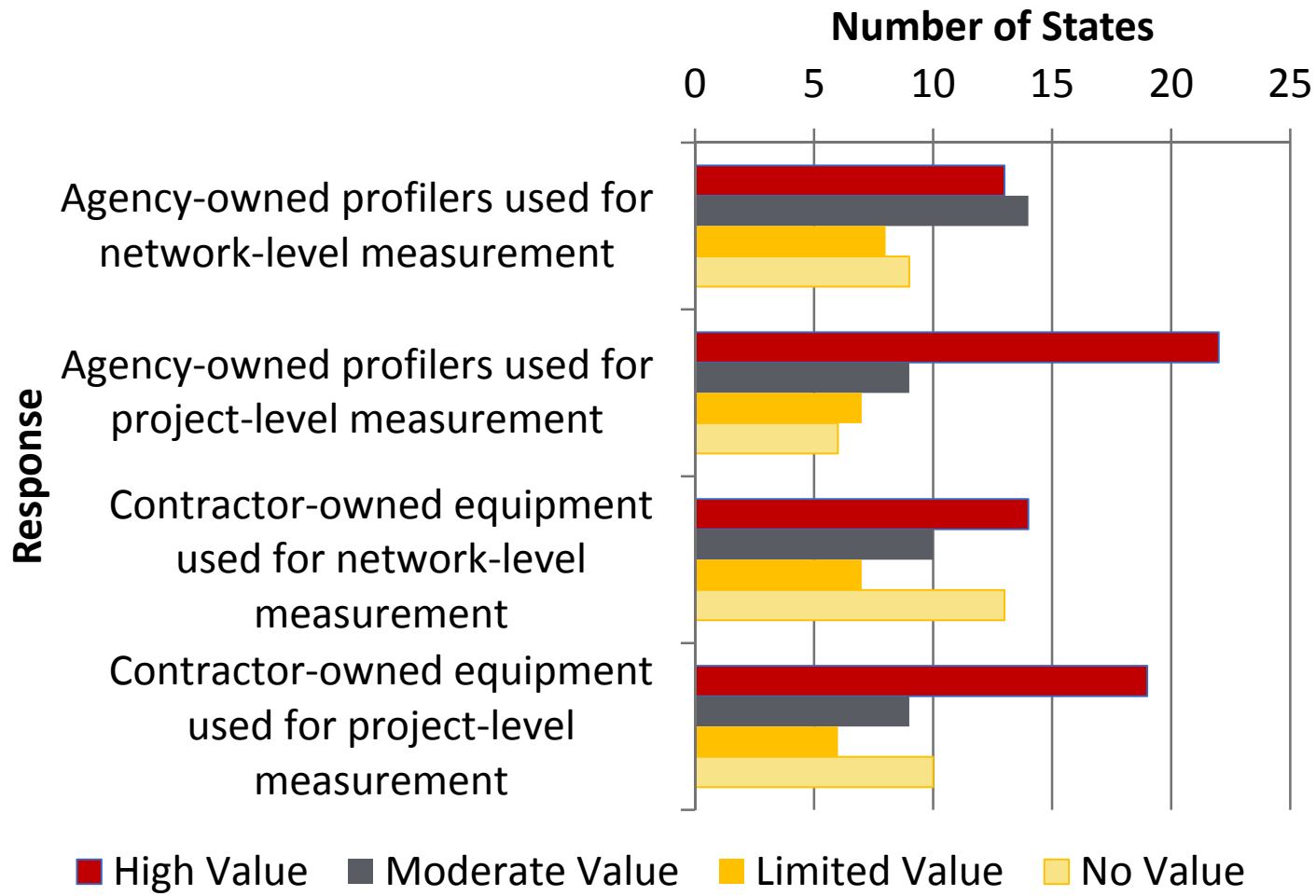
WHEN DOES YOUR AGENCY REQUIRE PROFILERS TO BE CERTIFIED?



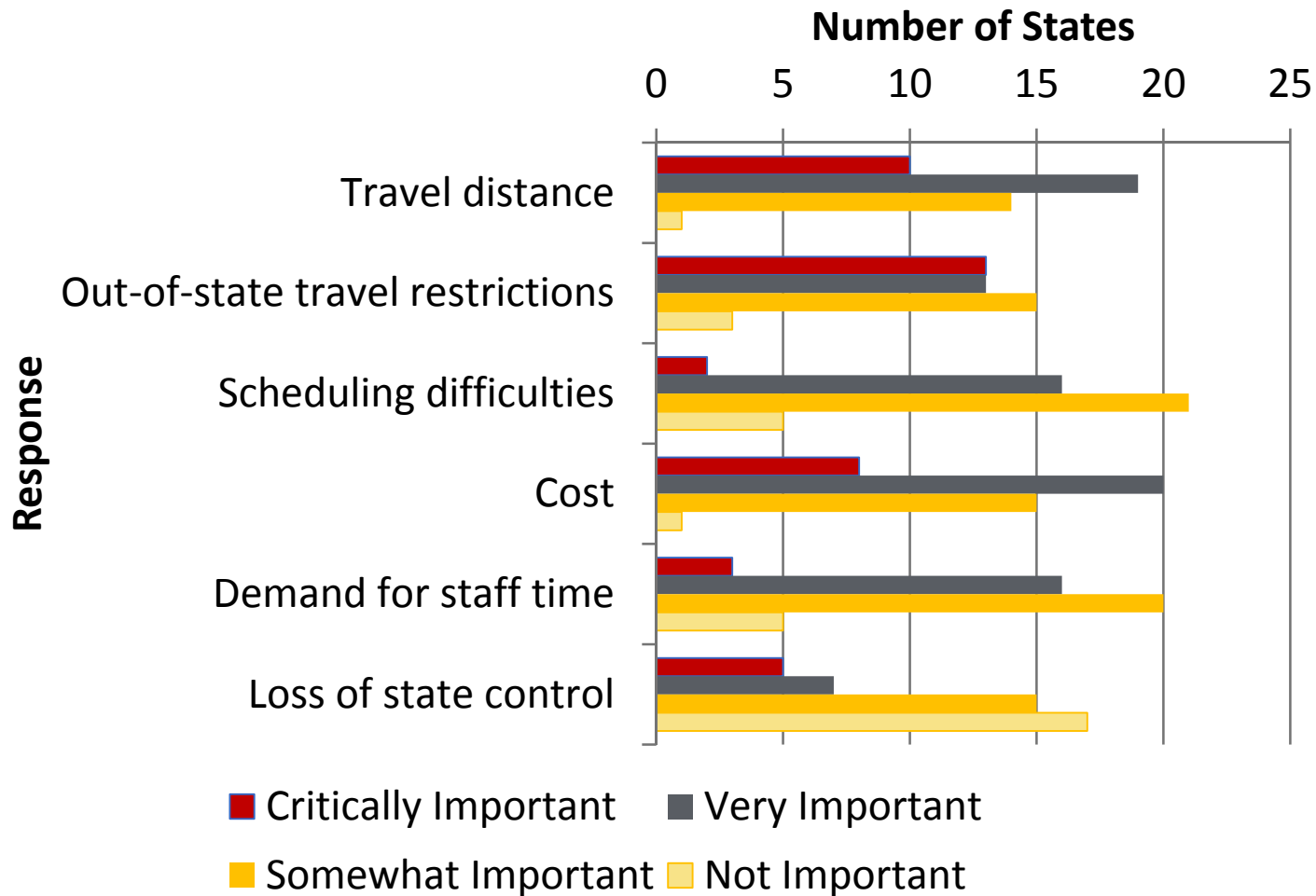
WHAT STANDARD PROCEDURES DOES YOUR AGENCY REQUIRE FOR CERTIFICATION?



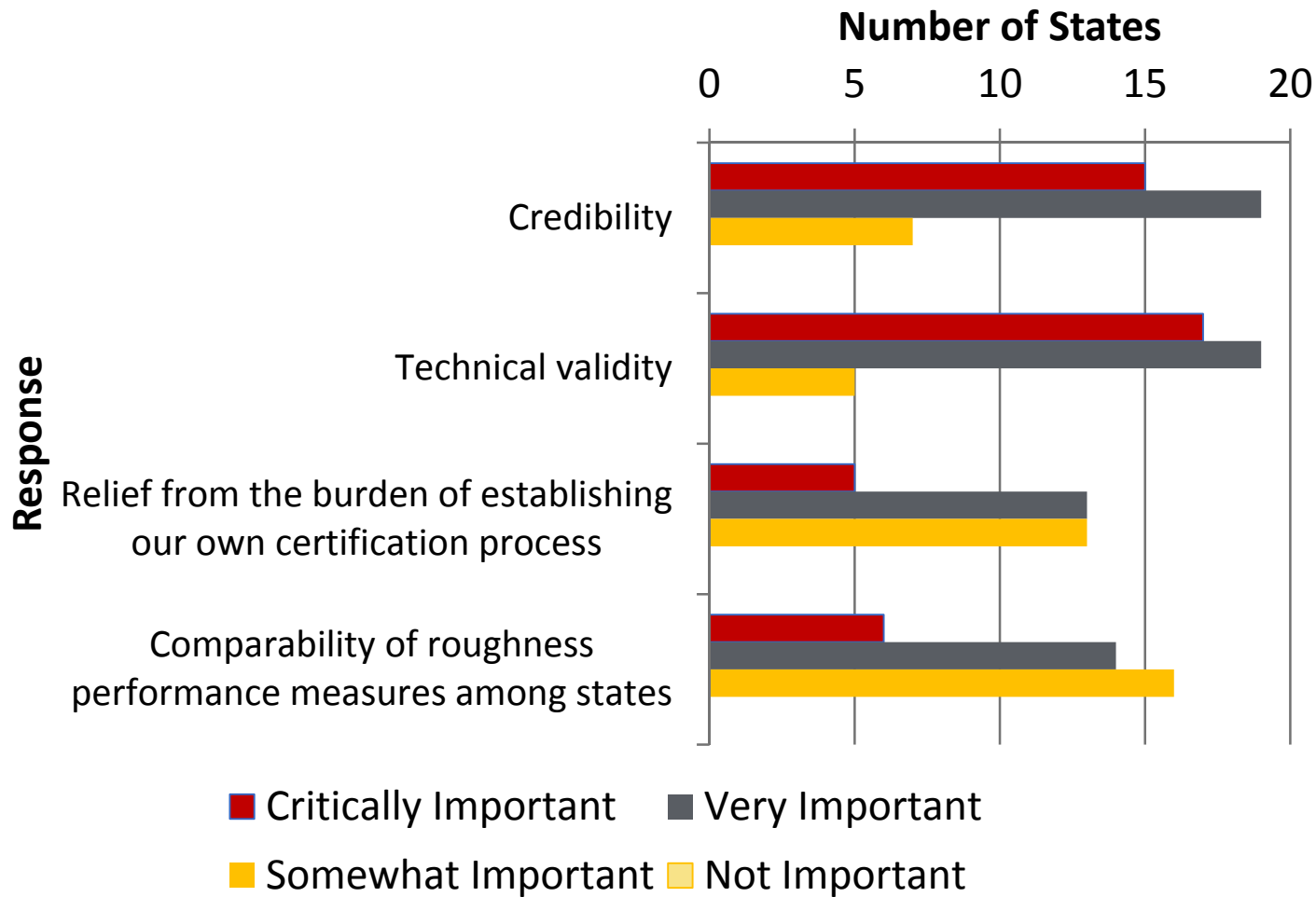
PLEASE RATE HOW VALUABLE A REGIONAL CERTIFICATION FACILITY WOULD BE FOR CERTIFYING THE FOLLOWING TYPES OF PROFILING EQUIPMENT:



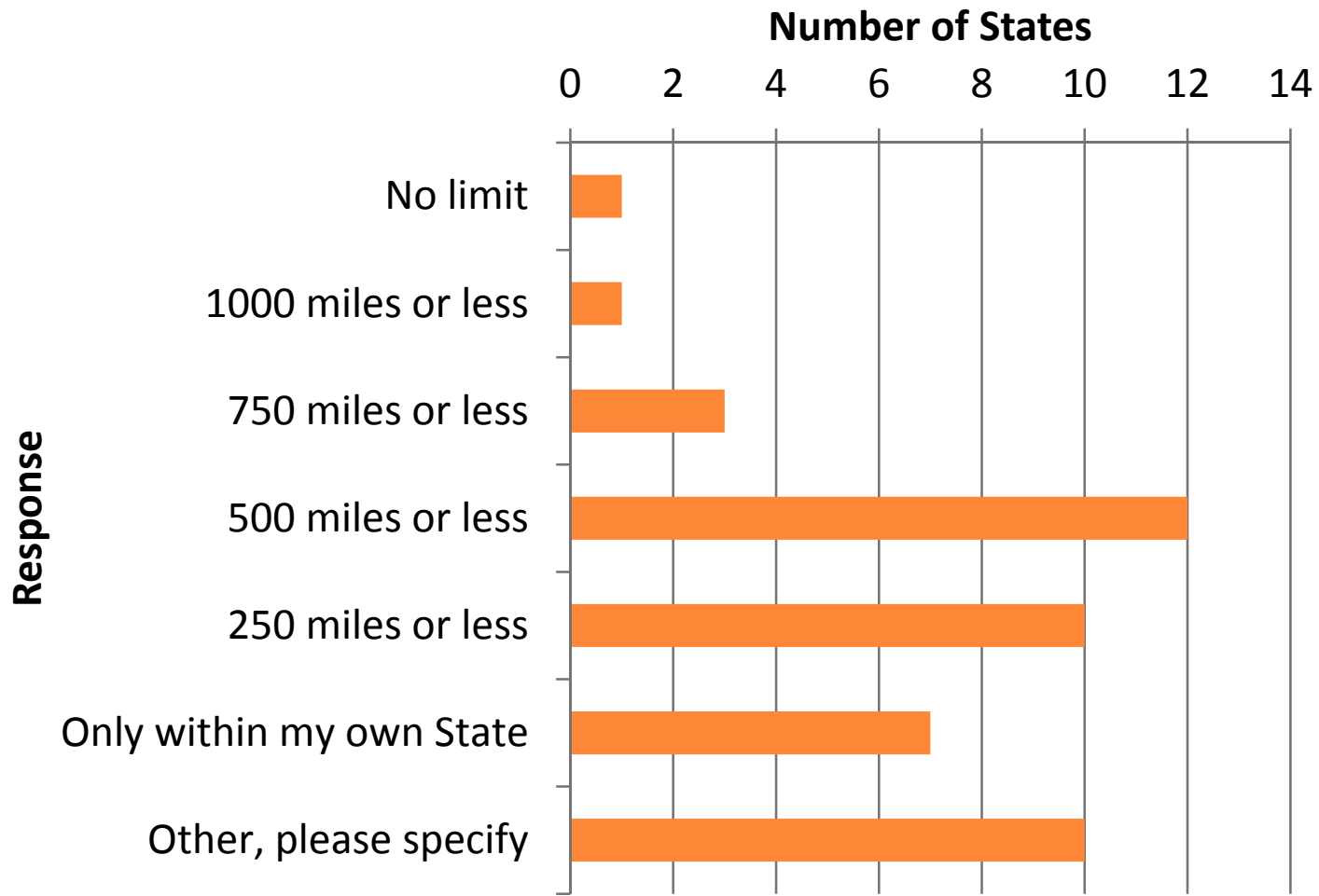
PLEASE RATE THE IMPORTANCE OF POTENTIAL BARRIERS TO YOUR AGENCY'S USING A REGIONAL CERTIFICATION CENTER:



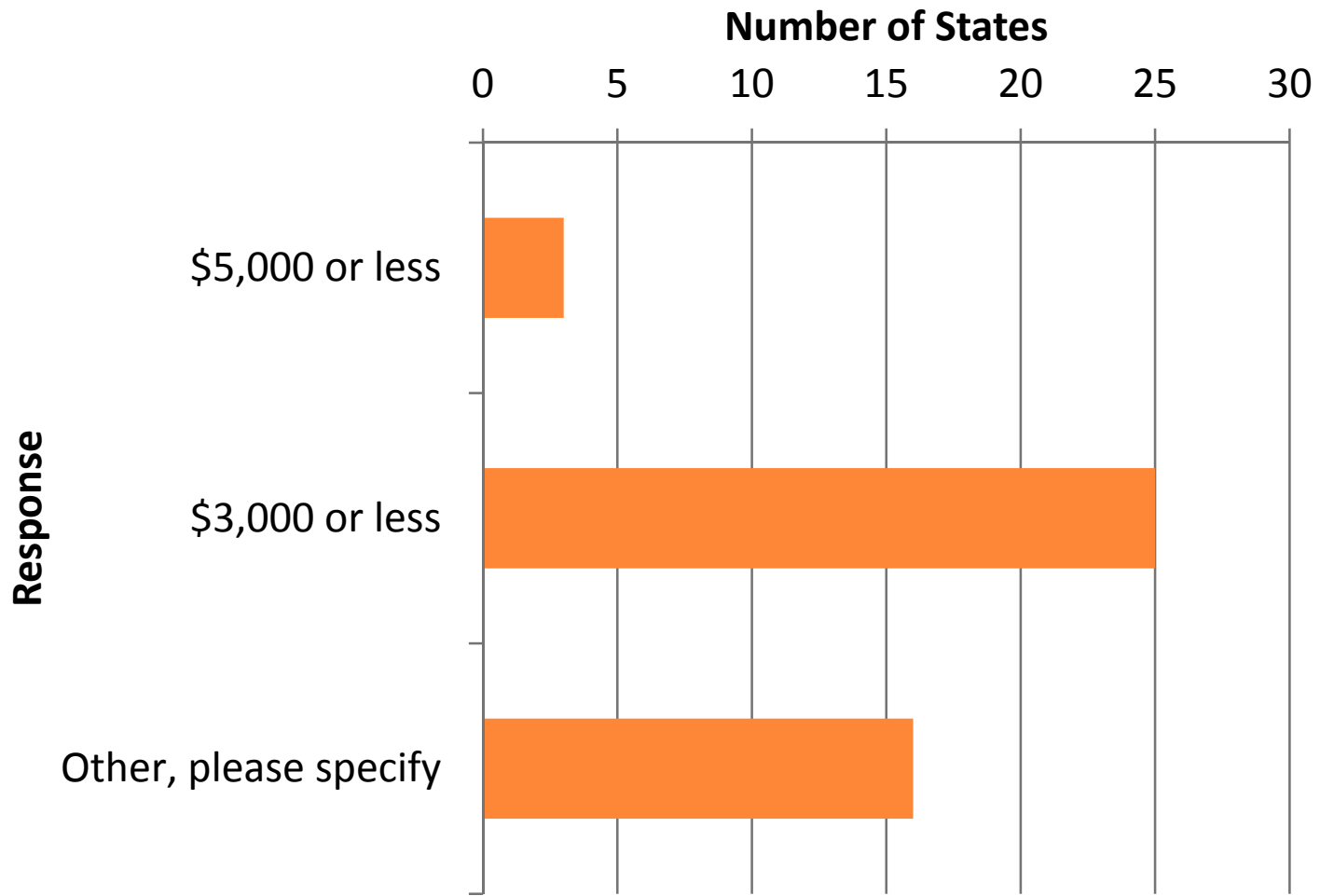
PLEASE RATE THE IMPORTANCE OF POTENTIAL BENEFITS OF YOUR AGENCY'S USING A REGIONAL CERTIFICATION CENTER:



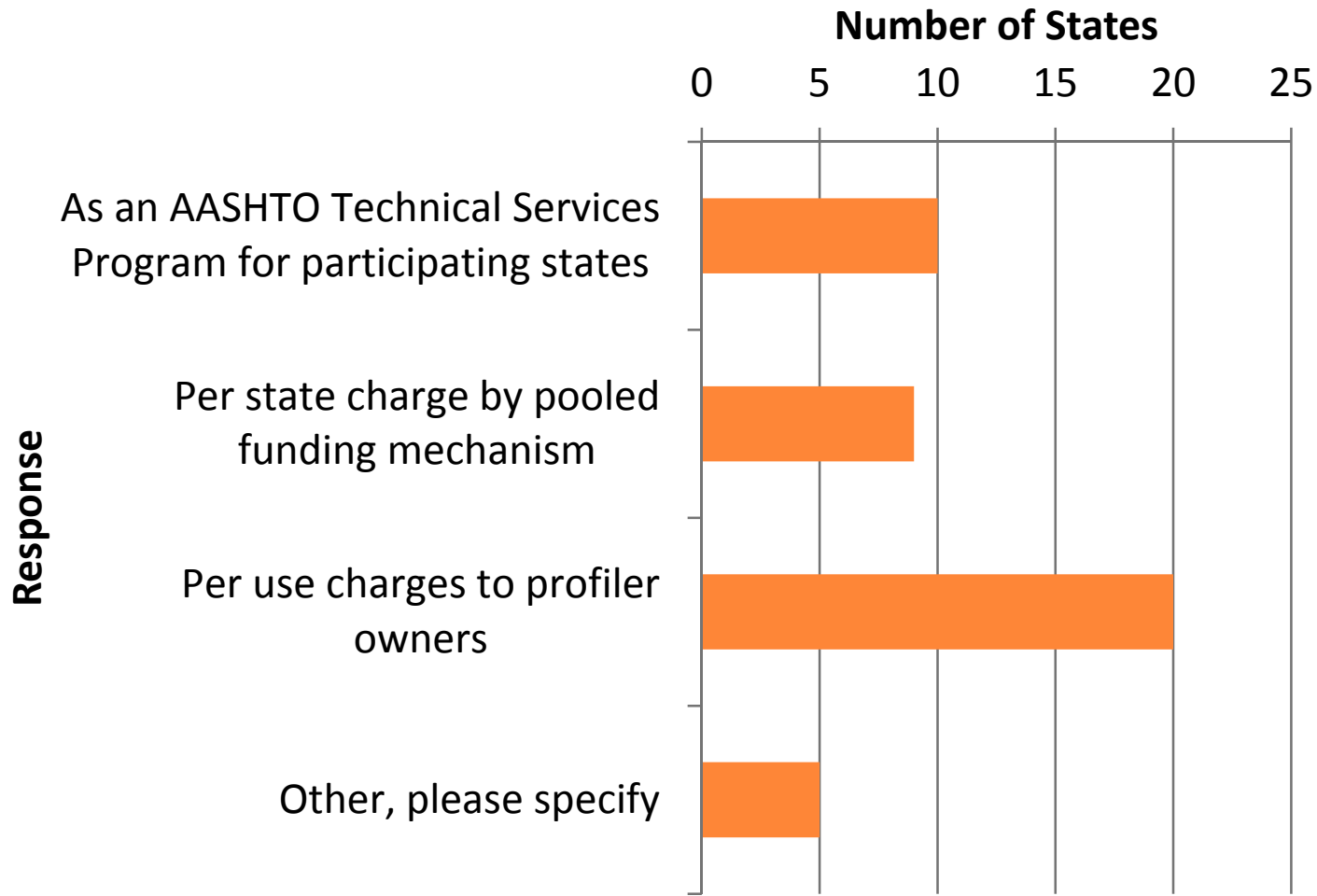
WHAT WOULD BE AN ACCEPTABLE DISTANCE FOR YOUR AGENCY TO TRAVEL TO USE A REGIONAL CERTIFICATION FACILITY?



WHAT WOULD YOUR AGENCY CONSIDER A REASONABLE COST FOR CERTIFYING A SINGLE PROFILER?



ASSUMING A REGIONAL CERTIFICATION CENTER EXISTED, HOW WOULD YOUR AGENCY PREFER THAT IT BE SUPPORTED FINANCIALLY?



OBSERVATIONS

- Agencies own and certify a large number of devices
- Many agencies use their own procedures & facilities
- Most agencies do not accept other agencies' certification
- Some agencies apparently do not certify
- Perceived value of certification is credibility, technical validity
- Perceived value for both network & project work
- Travel authorization, distance, & cost are potential barriers to regional certification facilities
- Survey results may change post MAP-21

RECOMMENDATIONS

1. Update Survey
 - Attempt equal or better response
 - Refine and add small number of questions
 - Author is willing to do Fall 2013
2. Supply results to stakeholders
 - Respondents (states and provinces)
 - RPUG
 - Profile Quality Pooled Fund Study
 - FHWA
 - AASHTO
3. Explore interest of potential “centers”
4. Identify “owner” for certification follow-up

QUESTIONS?



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