Device Certification

ITS Safety Workshop

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Certification Safety Pilot Roadmap

- **Framework**
  - Certification levels - Device, Installation, Operation, Application

- **Pilot**
  - Safety Pilot Support
  - Qualification at Device, Installation, Operation, Application

- Implementation
Plan for Safety Pilot/Model Deployment Support

- Screening, Supplier Development
  - Consistent, reliable operation
  - Correctly populating the Basic Safety Message

- Qualification
  - Focused testing of key indicators at three levels
    - Device - Transport protocols – correctly formed messages
    - Installation – Connection to and communication with vehicles
    - Operation conditions – proper payload
    - Application

- Certification
  - Complete testing at all levels
Support Plan

- OmniAir
  - Procedure development
  - Tools and analyses
  - HIA device testing
- IDIQ Contractor
  - ASD device testing
  - Other vehicle device testing
Certification Safety Pilot Support Roadmap (rev 0.3)

Related Safety Pilot Activities and Milestones

Based upon rev. 21 of ITS Safety Pilot Roadmap

Integrated LV Builds

HIA Device QPL
Controller/RSE interface defined

Integrated HV Builds

HIA Initial Acceptance Testing (Initial and Final)

V2V Benefits Assessment

Integrated TV Builds

Transit Retrofit Device QPL

NHTSA Agency Decision (LV & HV)

HIA

HIA QPL Units Delivered
HIA Test NTP

HIA QPL Retesting

HIA Position Tests
HIA Screening Tests

HIA Initial Acceptance Testing (Initial and Final)

ASD

ASD QPL Initial Testing
ASD QPL Retesting

ASD Acceptance Testing (Initial and Final)

Heavy Vehicle

Heavy Vehicle Retrofit NTP

Integrated Heavy Vehicle NTP

Integrated Heavy Vehicle Device Acceptance Testing (Initial and Final)

Transit

Transit Retrofit NTP

Transit Retrofit QPL Initial Testing
Transit Retrofit QPL Retesting

Transit Retrofit Acceptance Testing (Initial and Final)

RSE

RSE QPL Initial Testing
RSE QPL Retesting
RSE Acceptance Testing (Initial and Final)