

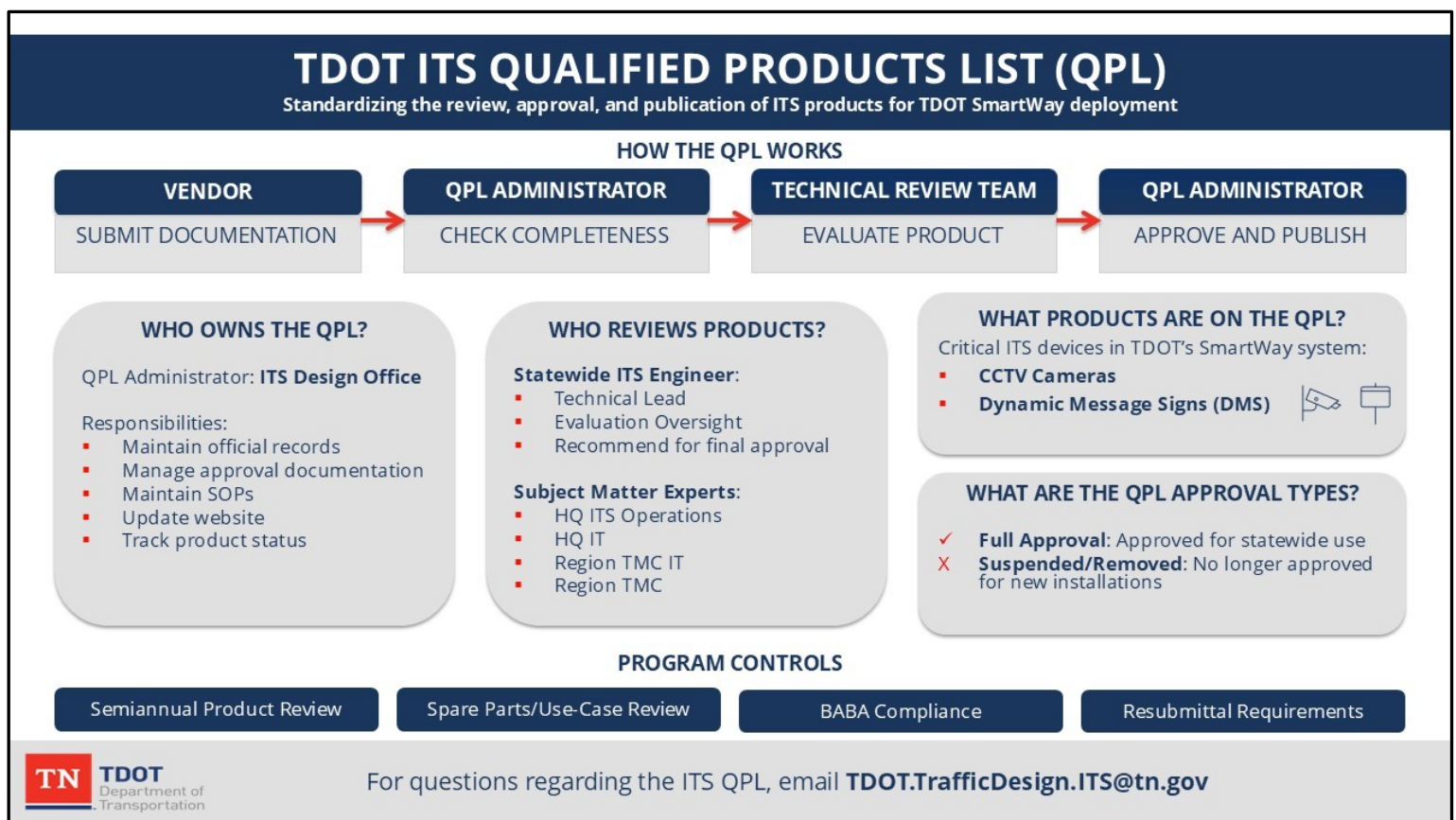
# Intelligent Transportation Systems Qualified Products List (ITS QPL)

## Introduction

The **Intelligent Transportation Systems Qualified Products List (ITS QPL)** identifies ITS products that have been evaluated and approved for deployment on TDOT's SmartWay infrastructure.

The ITS QPL supports consistent product selection, statewide standardization, and the evaluation of both established and emerging ITS technologies. It serves as a resource for TDOT staff, consultants, contractors, maintenance personnel, and information technology professionals involved in the planning, design, construction, operation, and maintenance of ITS infrastructure.

## TDOT ITS QPL Program Overview



The infographic above summarizes QPL ownership, product review procedures, eligible product categories, product approval classifications, and program controls for recurring product review, project-specific compliance, and resubmission expectations.

## About the ITS QPL

Products included on the ITS QPL have undergone evaluation through testing, validation, verification, manufacturer documentation reviews, field deployment experience, or other assessment methods deemed appropriate by TDOT.

Inclusion on the ITS QPL indicates that a product is approved for use on TDOT ITS projects; however, inclusion does not waive project-specific testing, integration, approval, acceptance, contractual requirements, or compliance with applicable specifications.

Products shall be installed, operated, and maintained in accordance with manufacturer recommendations and applicable TDOT standards and specifications.

The ITS QPL is not intended to include every product used within the SmartWay system. Rather, it identifies approved products within selected ITS device categories where qualification provides value to TDOT and its stakeholders.

The ITS QPL is a living document and may be updated periodically to reflect new technologies, product evaluations, specification revisions, field performance observations, and operational needs.

### Semiannual ITS Products Review

At least semiannually, the QPL Administrator will coordinate an ITS Products Review with TDOT Headquarters, Region TMC representatives, and consultant/design stakeholders to review product performance, deployment lessons learned, upcoming project needs, spare parts inventory use, and potential alternatives or specification updates.

The intent of the review is to identify product, interoperability, maintainability, cybersecurity, BABA compliance, or documentation concerns early enough to inform design decisions before projects begin. When prior deployments have produced mixed results, TDOT may request manufacturer submittals, additional documentation, bench/field testing, or project-specific testing requirements before the product is used on future deployments.

Review outcomes may be documented and used to support future specification revisions, QPL updates, or product testing requirements.

### Spare Parts Inventory and Limited-Use Deployments

Use of products from spare parts inventory should be limited to like-for-like replacements or previously approved use cases unless otherwise reviewed by the QPL Administrator. Products proposed for new installations, expanded use cases, modified configurations, or deployment outside the product's approved QPL classification should be reviewed before use to confirm continued suitability, compatibility, and compliance with applicable project requirements.

## Product Acceptance and Removal

TDOT reserves the right to reject any product that does not demonstrate satisfactory performance during evaluation, testing, validation, or field implementation.

TDOT also reserves the right to suspend, reclassify, or remove products from the ITS QPL when performance, reliability, interoperability, maintainability, cybersecurity, documentation, compliance, or other operational concerns indicate that continued listing is no longer in the best interest of the Department.

Products that have been rejected or removed from the ITS QPL may be resubmitted for consideration following corrective action, product enhancements, or other modifications that address the identified deficiencies. Revised submissions should clearly identify the issue being addressed, summarize the corrective action taken, provide updated technical documentation and compliance documentation, and include any applicable test results, firmware/software revision information, installation guidance, or field performance data.

Resubmitted products will be subject to the same evaluation and approval requirements as a new submission. Review time will vary based on the completeness and complexity of the resubmittal, the need for additional testing, and availability of technical reviewers. TDOT may return incomplete resubmittals without technical review or request additional information before beginning or continuing the evaluation.

## Federal Funding Compliance Attribute

Build America, Buy America (BABA) requirements apply to federally funded projects unless an applicable waiver, exception, or project-specific funding determination provides otherwise. To assist project teams with federally funded ITS projects, QPL listings may include a BABA compliance attribute:

- **BABA Compliant** – Documentation indicating compliance has been provided.
- **BABA Documentation Pending** – Documentation is under review or has not been finalized.
- **BABA Not Verified** – Documentation has not been submitted or verified.

Commonly accepted compliance documentation may include manufacturer certifications, country-of-origin statements, mill test reports, component/material certifications, product data sheets, or other project-specific documentation requested by TDOT or required by the contract documents.

## Project-Specific BABA Certification Timeline

For each federally funded ITS project, product-specific BABA certification documentation shall be submitted with the initial product submittal and no later than 30 calendar days before the product approval, procurement, or installation decision is needed to maintain the project schedule, unless a different timeline is specified in the contract documents or directed by TDOT. Earlier submittal may be required for long-lead products, products with pending documentation, or products requiring additional TDOT or manufacturer coordination.

BABA status shown on the ITS QPL is provided for planning and screening purposes only. Project-specific certification remains the responsibility of the contractor, supplier, or manufacturer as required by the contract documents and applicable federal funding requirements.

## Use of the ITS QPL

The ITS QPL shall be used in conjunction with applicable TDOT Standard Specifications, Maintenance Specifications, Special Provisions, Technical Special Provisions, construction plans, and supplementary contract documents.

In the event of a conflict between the ITS QPL and project-specific contract documents, the contract documents shall govern unless otherwise directed by TDOT.

## Program Administration

The ITS QPL is administered by the **TDOT Traffic Design Division – ITS Design Office**.

Questions regarding product eligibility, evaluation procedures, product status, BABA documentation status, spare parts inventory use, or future product submissions may be directed to:

<mailto:TDOT.TrafficDesign.ITS@tn.gov>

## ITS QPL Product Submissions

TDOT is currently updating the ITS Qualified Products List (ITS QPL) program. During this transition period, reviews of new product submissions may be temporarily delayed.

Thank you for your interest in supporting Tennessee's Intelligent Transportation Systems program.