

RFB-185-2532-2026
DOT ABS Diagnosis, Analysis, and Reporting Software
Request for Bids—Bid Specifications

The State of Iowa Department of Management, on behalf of the Iowa Department of Transportation, (“Agency”) seeks qualified bidders to respond to RFB-185-2532-2026, DOT ABS Diagnosis, Analysis, and Reporting Software.

The purpose of this solicitation is to award a master agreement to the successful Bidder who can provide antilock braking system (ABS) diagnostic software to support maintenance of the Iowa Department of Transportation’s fleet of vehicles. The contract is expected to begin April 1, 2026, and end March 31, 2027, with up to nine (9) annual extensions at the Agency’s sole discretion.

The successful Bidder(s) will provide licenses for the Agency to use its software, which must meet the specifications listed below. All deliverables will be subject to the Agency’s review and approval, and the final list of deliverables may differ from the list below.

1. Core Functional Requirements

- a. **Multi-OEM Compatibility:**
 - i. Must support diagnostics for ABS systems from **Bendix, WABCO, Haldex, Meritor, Knorr-Bremse**, and other major OEMs.
- b. **Diagnostic Capabilities:**
 - i. Read and interpret **ABS fault codes (DTCs)**.
 - ii. Retrieve **live sensor data, event logs, and freeze frame data**.
 - iii. Perform **bi-directional controls** (e.g., valve actuation, modulator tests).
 - iv. Provide **wiring diagrams** and **component-level diagnostics** (e.g., wheel speed sensors, ECUs).
 - v. Graph and trend **sensor signals** and **waveform data**.
- c. **Protocol Support:**
 - i. Must support **J1939, J1708/J1587, OBD, CAN, and proprietary OEM protocols**.

2. Hardware & Interface Compatibility

- a. **Diagnostic Adapter Support:**
 - i. Fully compatible with **Nexiq USB Link 2 and 3**.
- b. **Operating System:**
 - i. Must run on **Windows 11** (64-bit).
- c. **Offline Capability:**
 - i. Must be fully functional **without internet access** for roadside or remote diagnostics.
 - ii. Licensing and updates should not require constant connectivity.

3. Deployment Options

- a. **Software Type:**
 - i. Preferably **Commercial Off-The-Shelf (COTS)** or **Software as a Service (SaaS)** with minimal customization.
 - ii. Should support **on-premise installation** for secure environments.
- b. **Installation Requirements:**
 - i. Clearly defined **hardware and software prerequisites** for laptops and workstations.
 - ii. Lightweight enough for **field laptops** used in roadside diagnostics.

4. Training, Documentation & Support

- a. **Training:**
 - i. Onboarding and training for Iowa DOT technicians.
 - ii. **Online training modules and instructor-led sessions.**
- b. **Documentation:**
 - i. Comprehensive **user manuals, technical guides, and troubleshooting documentation.**
- c. **Support:**
 - i. Tiered support options (e.g., **24/7 help desk**, business hours).
 - ii. Access to **knowledge base and FAQs.**

5. Licensing & Administration

- a. **Licensing Model:**
 - i. Options for **fleet-wide** or **per-unit** licensing.
 - ii. Support for **state/government discounts.**
- b. **Audit & Management Tools:**
 - i. Ability to generate **licensing audit reports.**
 - ii. Tools to manage and track **users, devices, and license usage.**

6. Additional Features

- a. **Demo/Trial Availability:**
 - i. A **trial version** or **demo environment** should be available for evaluation.
- b. **Update Mechanism:**
 - i. Support for **automatic** or **manual updates.**
 - ii. Offline update packages for field-deployed systems.
- c. **Integration:**
 - i. Ability to integrate with **fleet maintenance systems, telematics, and asset management platforms.**