



*Scan Everything. Fix Everything.
Secure Everything*

Connected Vehicle Compliance

A Guide to Understanding
the New Department of
Commerce Rule with
Confidence



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Connected Vehicle Compliance



The Department of Commerce has issued a game-changing rule for the automotive industry:

- Prohibits import of certain software for Vehicle Connectivity Systems (VCS) and Automated Driving Systems (ADS) as well as hardware for VCS from companies located in (or subject to the jurisdiction of) foreign adversary countries
- Requires detailed Software and Hardware Bills of Materials (SBOMs/HBOMs)
- Mandates supply chain visibility and vendor analysis
- Enforces strict compliance measures with significant penalties for violations
- Impacts all connected vehicle manufacturers selling in the U.S. market

Is Your Company Ready for This New Regulatory Landscape?

Connected vehicles have long development cycles, meaning those that are in development today must be built with the security standards of the new regulation in mind. If security isn't integrated now, you are at-risk of non-compliance when your vehicle is ready for the market:

- Integrate security at the start of development
- Adopt SBOMs and HBOMs to maintain transparency and evaluate third-party risk
- Conduct regular vulnerability assessments
- Align development with upcoming regulatory requirements
- Partner with experts to help navigate these new demands and ensure long-term compliance



Compliance Deadline:
Model Year 2027 for software, Model Year 2030 for hardware









Introducing Finite State's Connected Vehicle Compliance Suite

Scan Everything. Fix Everything. Secure Everything.

Finite State's all-in-one solution empowers you to:

- ✓ Collect and validate SBOMs from suppliers
- ✓ Perform advanced binary analysis
- ✓ Generate and enrich HBOMs
- ✓ Automate compliance reporting
- ✓ Analyze vendor provenance and risks
- ✓ Stay ahead of evolving automotive standards

Comprehensive Compliance Management

-  **SBOM Management and Validation** • Secure supplier portal for SBOM collection • Automatic validation and vulnerability enrichment • Integration with 200+ threat intelligence sources
-  **HBOM Collection and Enrichment** • Collect and enrich Hardware Bills of Materials • Link HBOMs with corresponding SBOMs • Gain complete visibility into your product components
-  **BOM Vendor Analysis** • Analyze supplier risks and foreign interests • Detailed reports on vendor provenance • Proactively identify compliance risks
-  **Enhanced Binary Analysis** • Validate supplier claims • Generate SBOMs for suppliers lacking capability • Identify discrepancies in software components
-  **Compliance Management Portal** • Centralized web interface for all compliance data • Real-time status updates and collaboration tools • Comprehensive audit trails
-  **Automated Compliance Reporting** • Generate Declaration of Conformity-compatible reports • Customizable templates for regulatory needs • Streamline your compliance workflows
-  **Automotive Standards Integration** • ISO/SAE 21434, UNECE WP.29, AUTOSAR, and more • Stay compliant with evolving industry standards
-  **Continuous Monitoring and Alerts** • Real-time tracking of compliance and security risks • Actionable remediation guidance • Stay ahead of potential issues



Expert Penetration Testing

Comprehensive assessments by Finite State's Red Team • Identify vulnerabilities that automated scans might miss • Meet the rule's requirements for thorough security testing • Receive actionable remediation guidance



Cyber Policy Consulting

Leverage expertise from former senior U.S. government officials • Navigate complex regulatory landscapes with confidence • Develop robust compliance strategies • Stay ahead of evolving cybersecurity policies

Why Choose **Finite State**?

- Connected Device Expertise: Deep understanding of IoT ecosystems and complex software supply chains
- Developer-Centric Workflows: Seamless integration into existing CI/CD pipelines
- Comprehensive Protection: End-to-end security across the entire product lifecycle
- World Class Support: Our team of cybersecurity and policy experts is committed to your success
- Government-Grade Expertise: Benefit from the knowledge of former senior U.S. government officials

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"Finite State's platform has been instrumental in managing our software risk. Their personalized support, policy expertise, and comprehensive security testing have given us confidence in our compliance efforts."

Satisfied Customer, Fortune 500 Automotive Manufacturer

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Ready to secure your connected vehicle future?

Contact us today to schedule your demo and consultation.
Visit finitestate.io/request-demo or email sales@finitestate.io