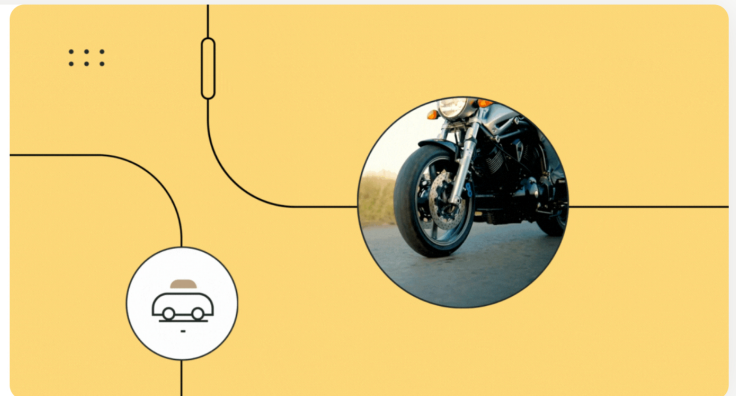




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## UNECE's New Milestone: Motorcycles Included in R155 Regulations

January 31, 2024



The United Nations Economic Commission for Europe (UNECE) has taken a significant step forward by extending the scope of [UNECE WP.29 Regulation No.155](#) to include motorcycles, scooters, and electric bicycles that exceed speeds of 25 km/h. This extension, initially applied to passenger cars, trucks, and buses since January 2021, marks a pivotal moment in the evolution of global vehicle safety and cybersecurity standards.

This move towards a more inclusive cybersecurity framework, which includes the implementation of a [cybersecurity management system \(CSMS\)](#) comes at a crucial juncture as the motorcycle industry embraces increasingly sophisticated technology, integrating features such as Adaptive Cruise Control and advanced connectivity. These advancements, while enhancing safety and user experience, also introduce new cybersecurity challenges that necessitate robust regulatory measures.

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## Rationale Behind Inclusion of Class L Vehicles



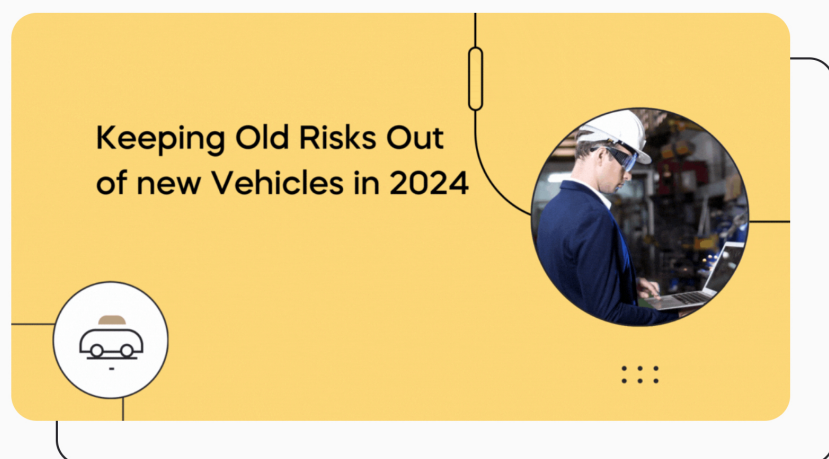
The inclusion of Class L vehicles under the scope of R155 is a surprise as it offers only a few months for OEMs and [their suppliers](#) to comply. However, the future

of this addition remains to be determined, since this portion of the regulation hinges on its adoption by individual member countries, a process that presents both opportunities and uncertainties.

## Global Dialogue on Regulation Adoption

The decision to extend the coverage of this regulation to Class L vehicles will be presented for adoption at the World Forum for Harmonization of [Vehicle Regulations \(WP.29\)](#) in June 2024. Despite the international consensus, implementing these regulations at the national level remains a discretionary process, with each member country determining its roadmap and timeline for adoption.

This scenario sets the stage for a critical dialogue among nations, industry stakeholders, and regulatory bodies. The question of which countries will lead the charge in adopting these expanded regulations is more than a matter of compliance; it is a reflection of a country's commitment to enhancing road safety in the digital age and implementing enforcement in their domestic industries.



## Cybersecurity Challenges in Vehicle Safety

The adoption of UN Regulation No. 155 by Class L vehicles is not merely a procedural update; it signifies a broader shift towards recognizing and mitigating [cybersecurity threats in the automotive sector](#). As vehicles become more connected and autonomous, the intersection of physical and digital safety becomes increasingly complex, underscoring the need for comprehensive and forward-looking regulatory frameworks.

The global automotive landscape is at a crossroads, with the inclusion of Class L vehicles under UN Regulation No. 155 presenting both challenges and opportunities. The challenge lies in harmonizing these regulations across diverse national contexts, each with its regulatory priorities and timelines. The opportunity, however, is in setting a new global standard for vehicle cybersecurity, one that encompasses all types of vehicles and addresses the full spectrum of cyber risks.

As we anticipate the adoption of these regulations by member countries, the focus shifts to the practical implications for manufacturers, consumers, and regulatory bodies. The integration of robust cybersecurity measures into Class L vehicles is not just a regulatory mandate; it is a critical component of ensuring the safety and security of road users in an increasingly connected world.

## Implications for Manufacturers and Consumers

The path forward requires a collaborative approach, with countries, industry players, and international bodies working together to navigate the complexities of cybersecurity in vehicle safety. The question of which countries will be the first to adopt these expanded regulations is more than a matter of policy; it is a reflection of a global commitment to a safer, more secure automotive future.

In conclusion, the extension of UN Regulation No. 155 to Class L vehicles represents a significant milestone in the evolution of vehicle safety standards. The adoption of these regulations by individual member countries will be a key determinant of their impact, setting the stage for a global conversation on the future of automotive cybersecurity and the role of regulatory frameworks in safeguarding transportation's digital and physical realms.

To learn more about how [Cybellum](#) can help your team address the adoption and implementation of the WP.29 R155 standard, [book a demo](#).



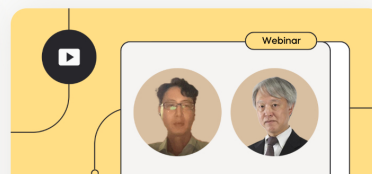
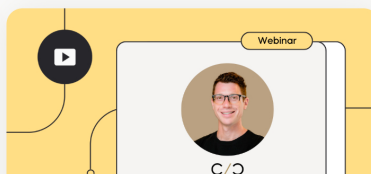
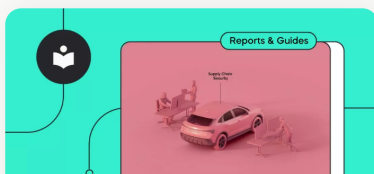
### *By Rafi Spiewak*

Rafi is Cybellum's Director of Content. Driven by curiosity and an itch to simplify messaging surrounding complicated technologies, his work spans across cybersecurity, emerging technologies, and beyond.

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