



국토교통부

TS
한국교통안전공단

자동차안전연구원

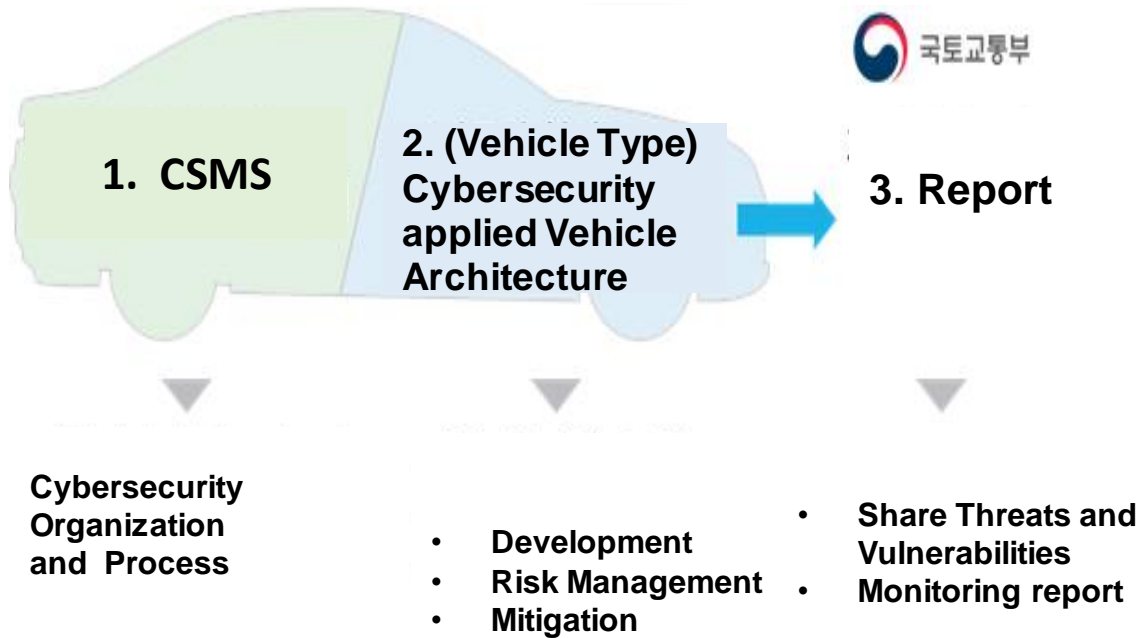
Approach of Republic of Korea

Harmonizing the UN Regulation no.155

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Institutionalization of Automotive Cybersecurity

✓ Stepwise approach, introducing the provisions of the regulation on Cybersecurity in a national guideline in the second half of 2020, and proceeding with the implementation of the regulation in a second step.



First Step

Guideline of Automotive Cybersecurity based on UN Harmonized Regulation

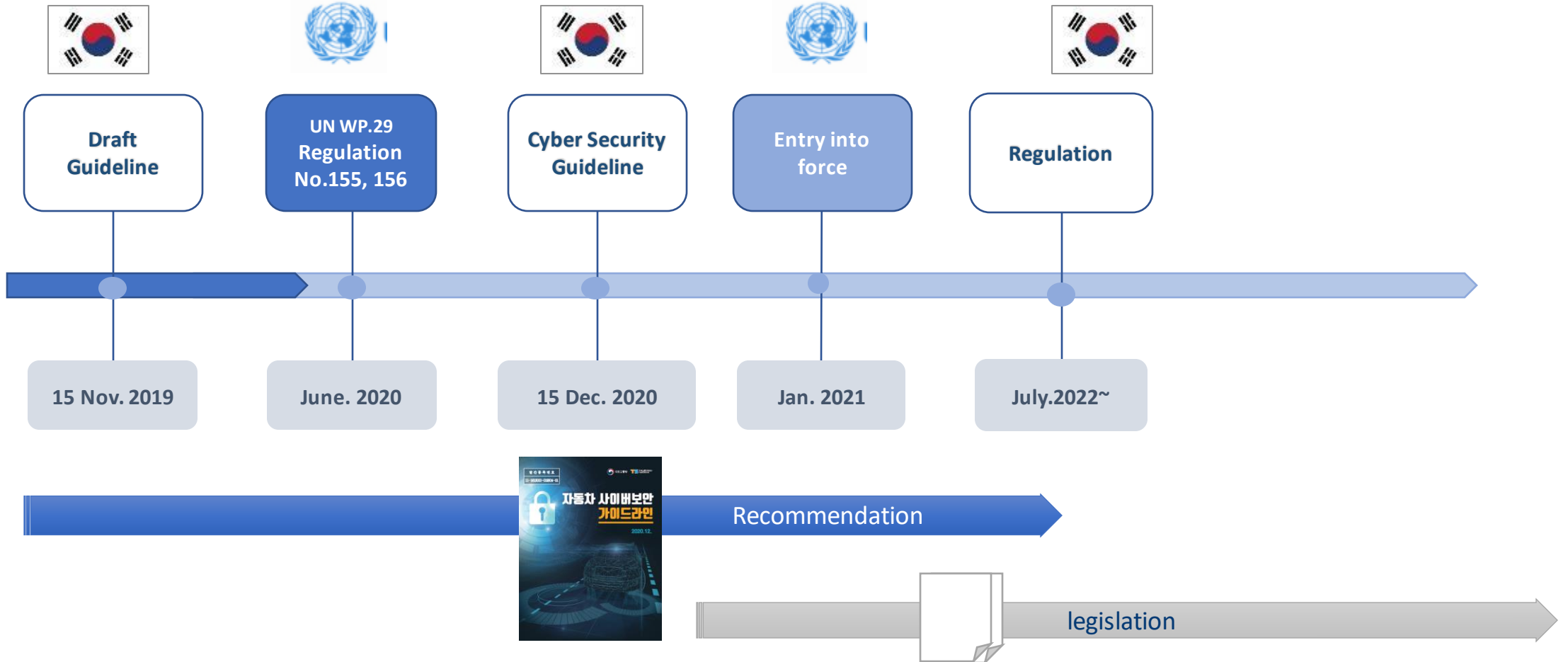
To utilize as a reference before establish the regulation on cybersecurity ('20)

To help the automotive industry in Korea to prepare for cyber security in advance

Second Step

Legislation/Regulation of Automotive Cybersecurity

Institutionalization of Automotive Cybersecurity



Purport of the recommendation

- ✓ To provide the guidance for the manufacturers and the role of the approval/test authority so that manufacturers and stakeholders can prepare for the national regulations
- ✓ To provide the recommendation first for matters, based on the UNR no.155, that are likely to be established as national regulations in the future.

Comparison of Recommendation and UN Regulation

Comparison	UN Regulation	(ROK) Recommendation
Mandate	Mandate in adoption	Non-mandatory recommendation
Certification type	Type approval	Only include recommendations applicable regardless either type approval or self-certification
Major contents	General (Scope, definitions, etc.)	Same as UNR
	Cybersecurity requirements	Same as UNR
	Manufacturer's obligations to report	Recommendation about data sharing by manufacturers
	Administrative Matters (Procedures, Document, Penalties, Supplementary Provision)	Not included
	Matters with the characteristics of type approval (CSMS certificate, DETA data sharing)	Not included

Automotive Cybersecurity Support and Response System

- ✓ Establish an automotive cyber security support and response system, which manages the cyber security risks and supports to strengthen the security level of vehicles, against cyber threats.

Strategy to improve Automotive Cybersecurity

	Y2020	Y2021	Y2022	Y2023	Y2024
National legislation and rulemaking	Automotive cybersecurity guideline	Amend 'Motor Vehicle management Act'	Amend the regulation	Issue Automotive Cybersecurity law and safety/security regulation	
Automotive cybersecurity Support and Response system	Planning	Establish/Operate Automotive cybersecurity committee			
		Build Automotive cybersecurity center with Pilot			Advancedment
		Build Automotive Cybersecurity Knowledgebase			

role

- Automotive Cybersecurity test/evaluation and enforcement support
- Private sector support to develop technology related to automotive cybersecurity
- Automotive Cybersecurity Incident Response and Support