

# SIP-adus Workshop 2022



## Cybersecurity

**Prevention measure against new types of threats  
to secure automated driving systems in a sustainable way**

**Yasumasa Hirai / Toyota Motor Corporation**

# Cybersecurity for Vehicles

- ◆ Advanced services such as adus are being implemented in society right now.
- ◆ Cybersecurity is essential for achieving both a safe society and attractive services.



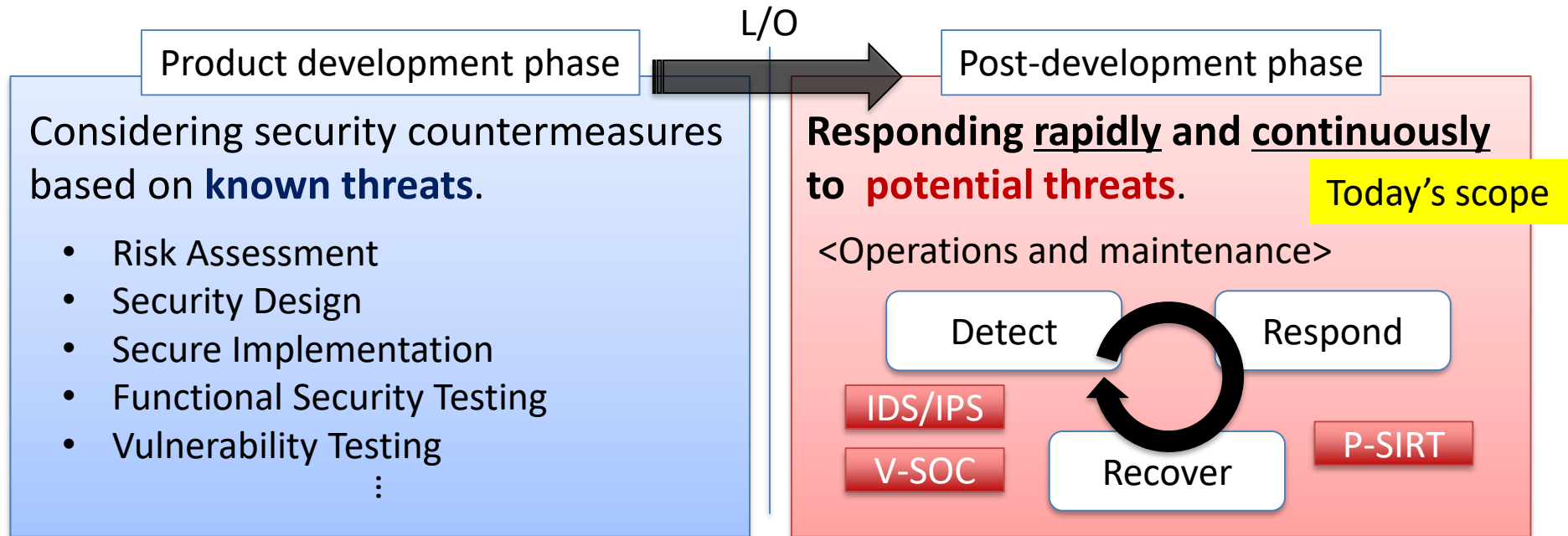
# Cybersecurity for Vehicles

- ◆ Automotive industry started compliance with R155 regulations from July 2022.
- ◆ Need to migrate to operations and maintenance.

What should we keep systems always safe from potential threats in order to attain sustainable safety and security?

# What to attain sustainable safety and security

- ◆ What should we keep systems always safe from potential threats in order to attain sustainable safety and security?



Responding rapidly and continuously to **potential threats**.

- ◆ Will it be possible to respond rapidly if each company responds individually?
- ◆ Should we wait until our vehicle are attacked to discover potential threats?

# Speaker Introduction

## ◆ Joshua Davis

- Group Vice President, Chief Cybersecurity Officer,  
Cybersecurity & Risk Management, Toyota Motor North America, Inc.  
The United States of America

## ◆ Frank Kargl

- Professor and Institute Director, Institute of Distributed Systems,  
University of Ulm, Germany

## ◆ Shinichi Kan

- Senior Associate, Technology Consulting, PwC Consulting, Japan

## ◆ Tsutomu Matsumoto

- Professor, Faculty of Environment and Information Sciences,  
Yokohama National University, Japan

# **SIP-adus Workshop 2022**

## **Session Start**



**SIP-adus  
Workshop  
2022**

**Thank you**

