



# Preliminary input: Structure and building blocks of the Audit/Assessment

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Submitted by the experts of OICA

# Introduction

## Purpose:

- Next to physical testing on test track and in the real world, a complex system such as an automated driving system needs to be designed, developed and validated following particular (safety) processes.

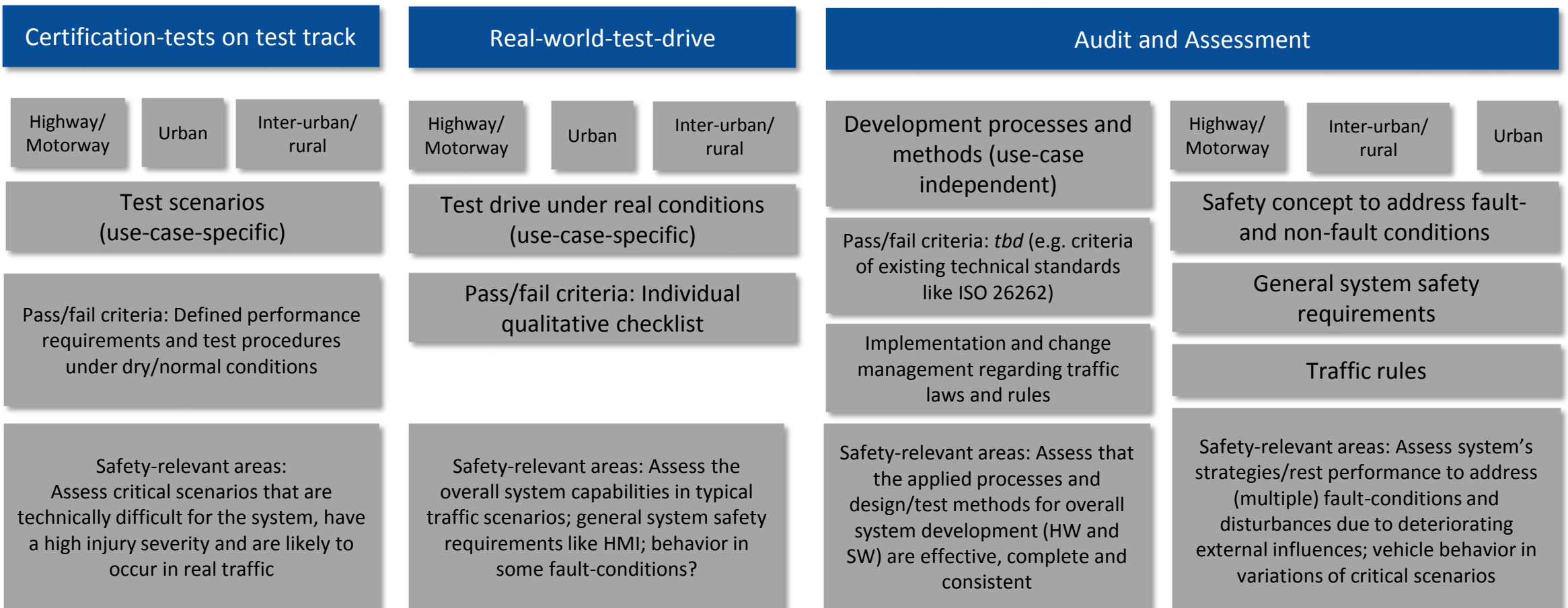
## Objective:

- For certification authorities and technical services to understand and certify these processes, an audit and an assessment of the manufacturer's development and design process is proposed (like the one for complex braking/steering systems).
- The intention of this presentation is to start the discussion and to explain a structure and different blocks of which such an audit/assessment could consist of.

# Overview of complete certification structure



Certification  
of Automated Driving Systems (L3-L5)  
Objective: System is safe and technical compliant

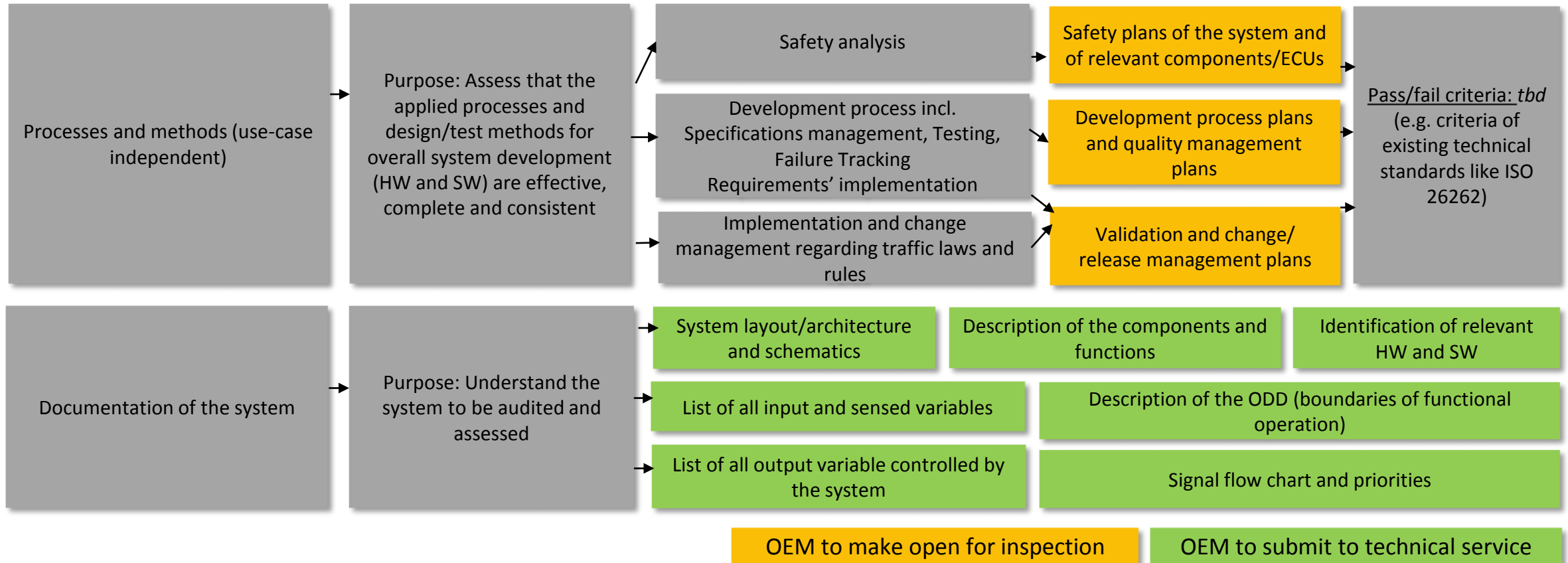


# Audit structure: Processes and documentation



Certification  
of Automated Driving Systems (L3-L5)  
Objective: System is safe and technical compliant

Audit → Focus: Processes and Documentation

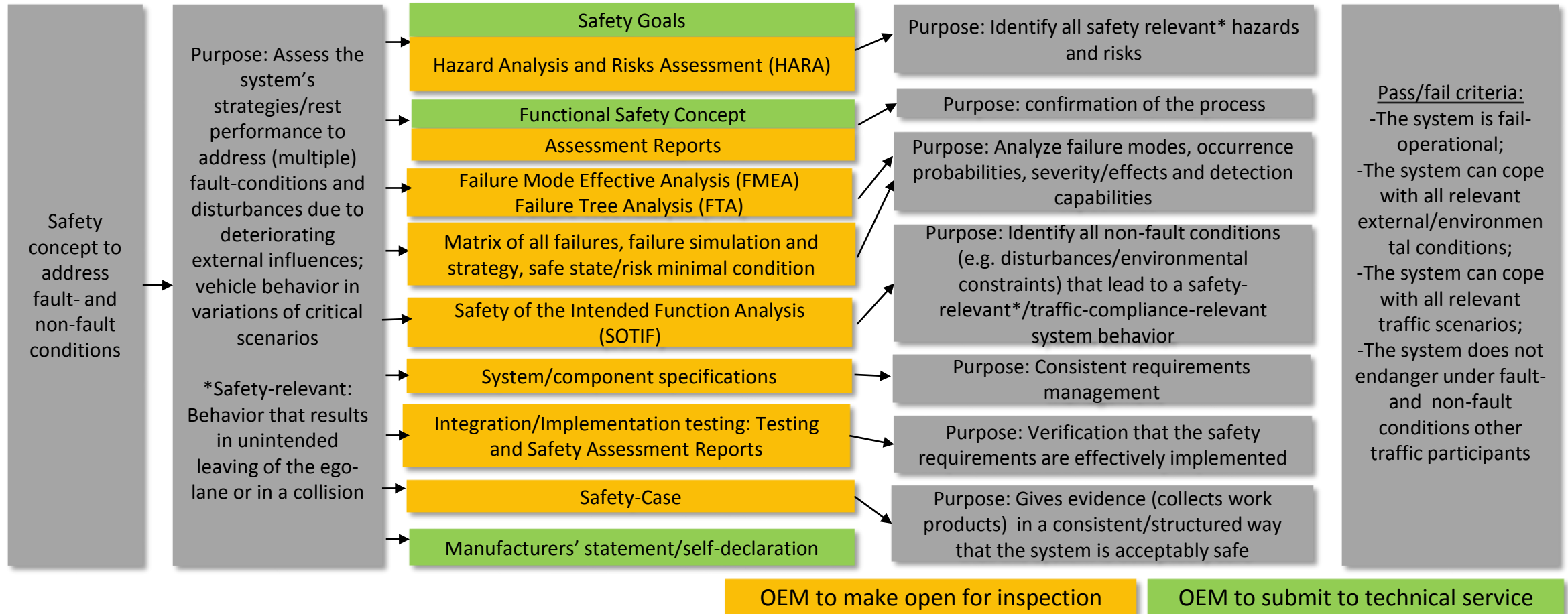


# Assessment Structure: Safety Concept and Validation



Certification  
of Automated Driving Systems (L3-L5)  
Objective: System is safe and technical compliant

Assessment → Focus Safety Concept and Validation

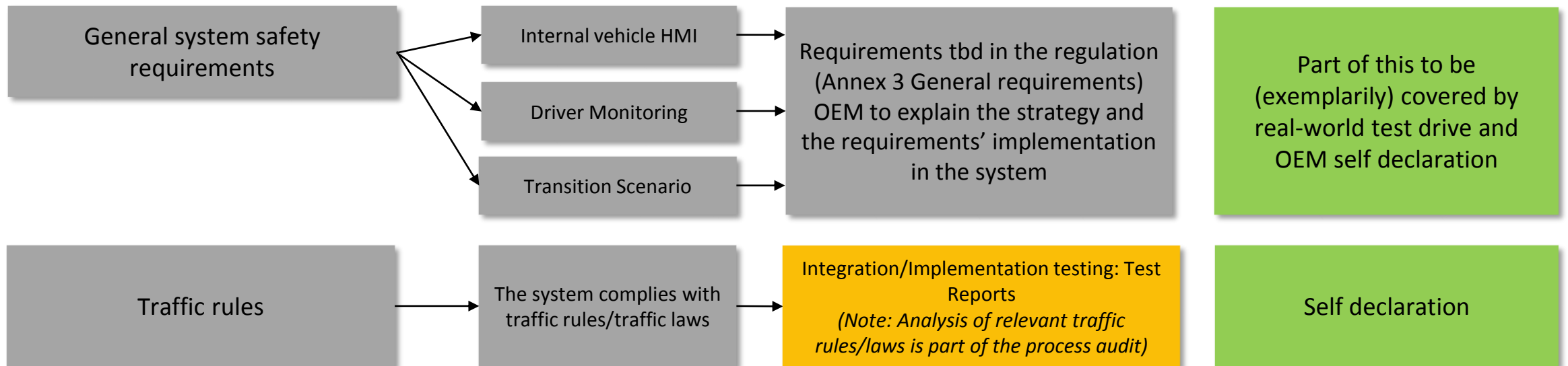


# Assessment Structure: Safety Concept and Validation



Certification  
of Automated Driving Systems (L3-L5)  
Objective: System is safe and technical compliant

Assessment → Focus Safety Concept and Validation



OEM to make open for inspection

OEM to submit to technical service

# Next steps

- What is the expectation of the Contracting Parties regarding the development of the audit/assessment part?
- As soon as the group agrees on the overall vision/structure of the audit/assessment, the detailed content can be defined, e.g.:
  - Agree on necessary data/documentation to be included under consideration of IP-issues
  - Agree on necessary/acceptable procedures/tools to be applied
  - Define acceptable criteria/standards for the safety concept
  - ...