



OEM Diagnostic Solutions for Better Efficiency

Vector Virtual Conference 2020 Korea / 2020-10-29

Agenda

► **Overview**

Motivation

OEM Diagnostic Solutions

Effectiveness



OEM Specific Solution

► Meaning

OEM specific needs are realized into OEM specific solutions via

- > Tool adaptation with add-on/plug-in,
- > Tool or package development,
- > SW component development,
- > Integration into work process.



Significance of OEM Specific Solutions

▶ OEM Perspective

- > Work reference is made and so no trial and error is repeated.
- > Consistent work pattern is made.
- > Full automation along work phases can be achieved.

▶ Supplier Perspective

- > More direct work progress along with OEM requirements
- > Consistent work pattern is made and so no mis-understanding of OEM requirements happens.

▶ Co-work among OEM, Suppliers and After Service

- > Data exchange process gets clearer.
- > Task result and report is consistently evaluated.

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OEM Diagnostic Solutions

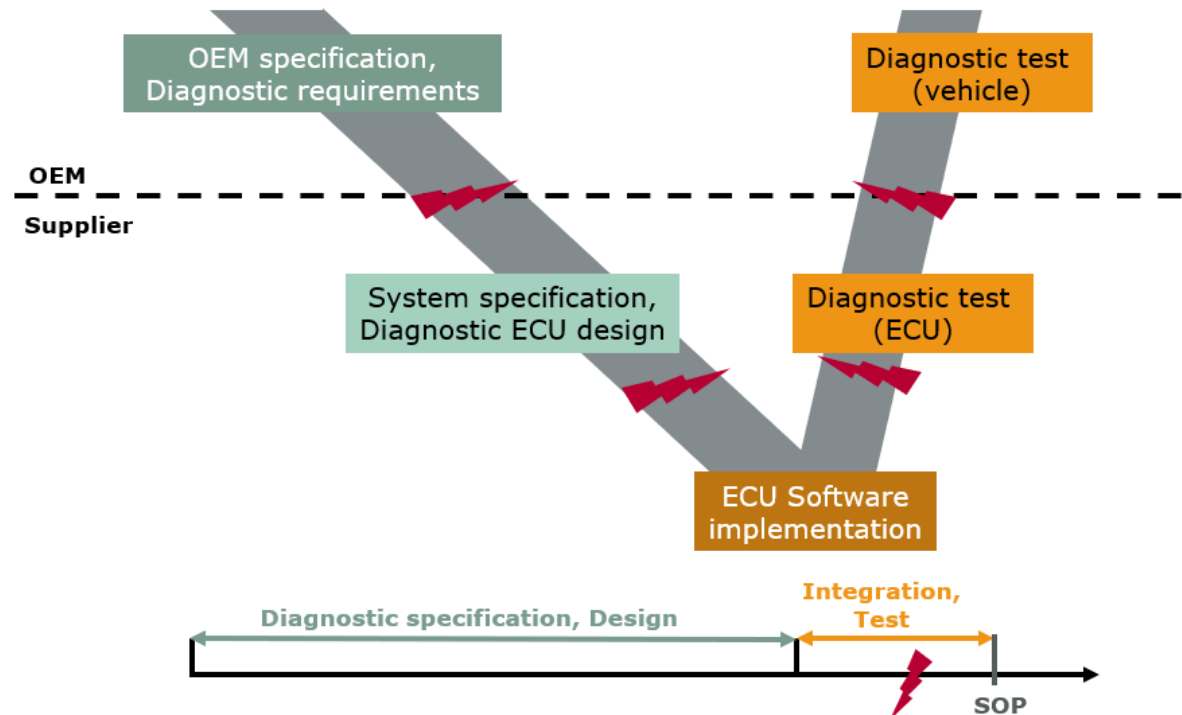
Effectiveness



Why OEM Specific Solutions are necessary?

► Challenges in Reality

- How to support Consistent Work Process for better efficiency?
- How to keep Single Source Principle?
 - > Various Data Sources depending on development teams, suppliers and tools
- How to avoid Not Machine Readable data source?
 - > Potential human errors while typing and understanding individually.



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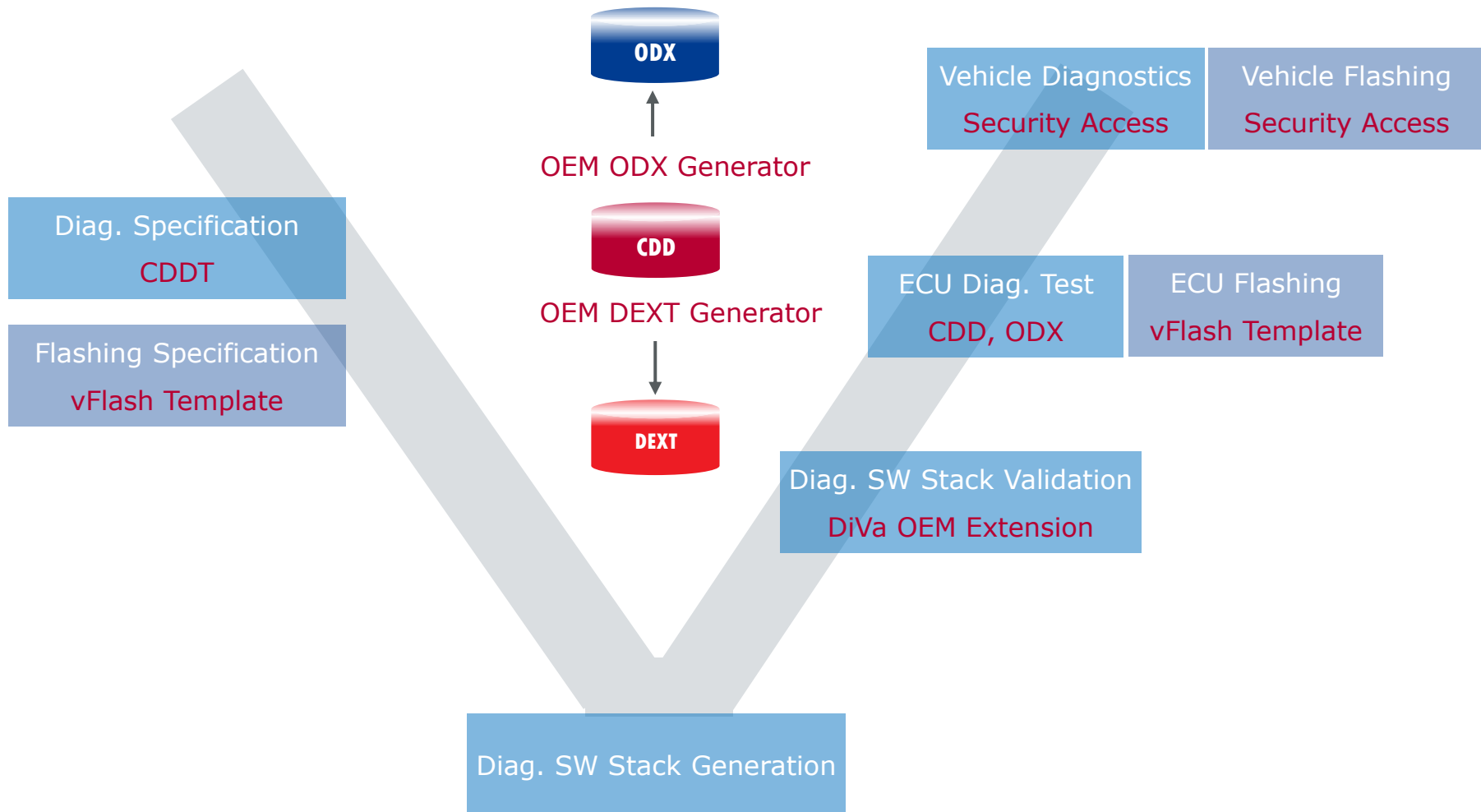
Motivation

▶ **OEM Diagnostic Solutions**

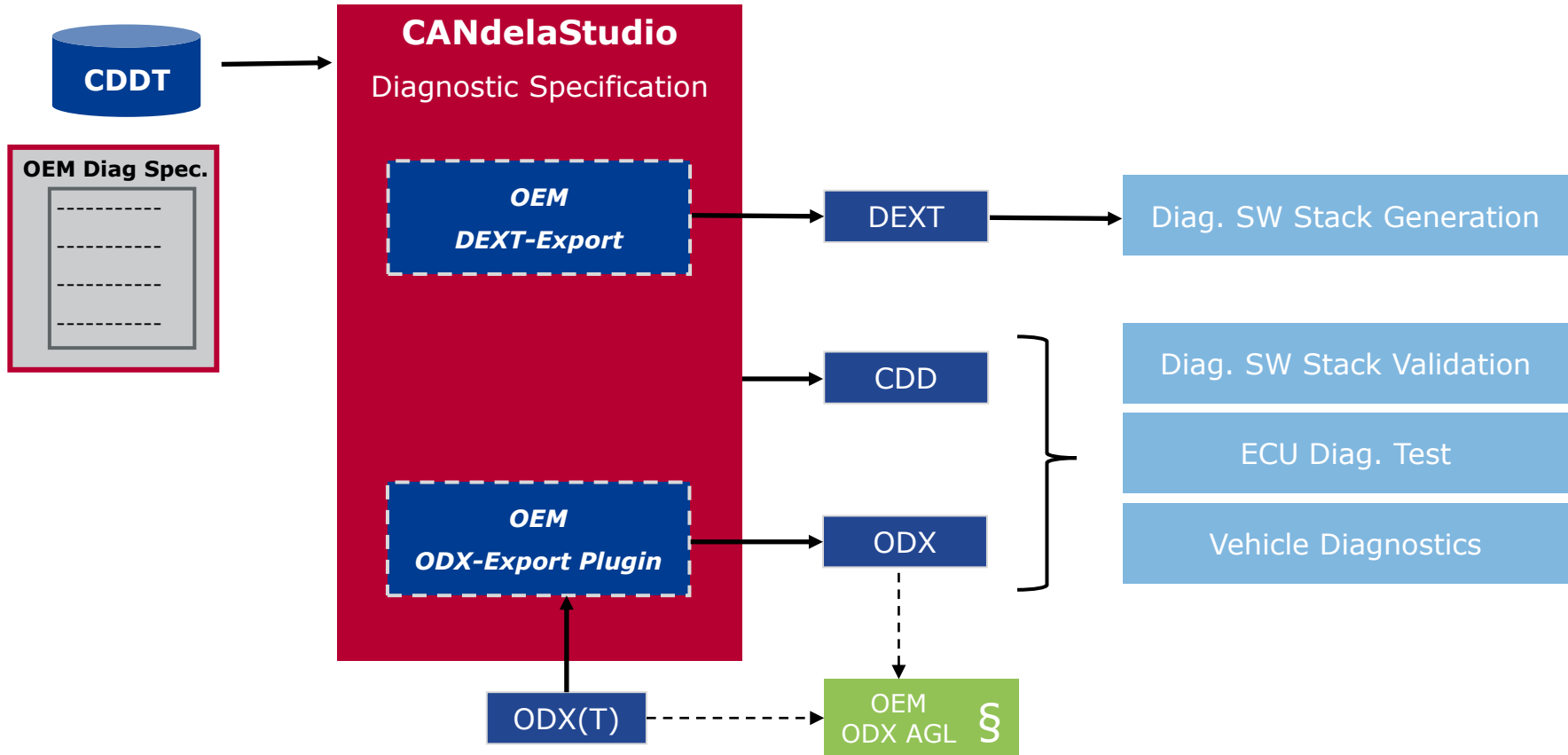
Effectiveness



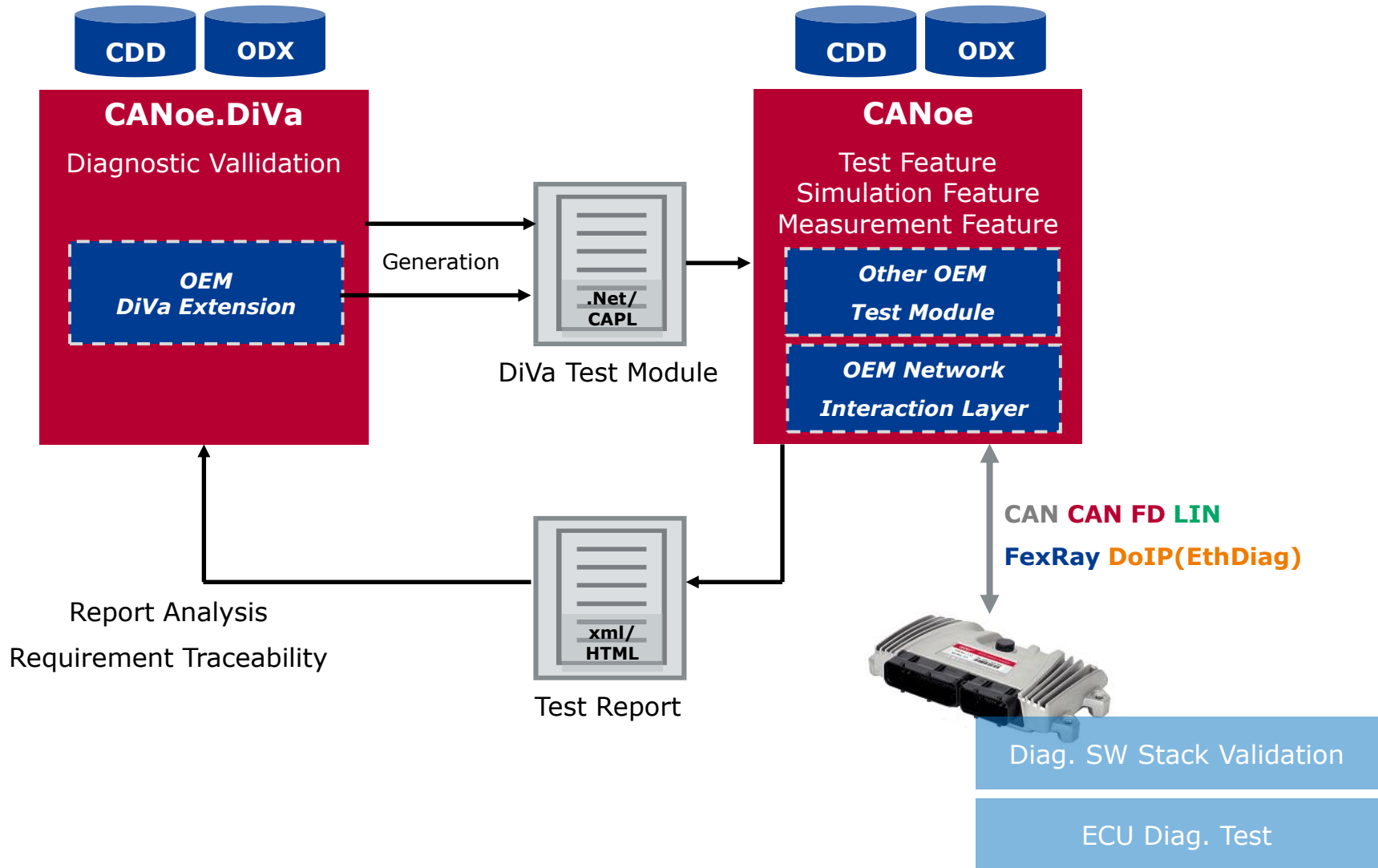
Work Process View



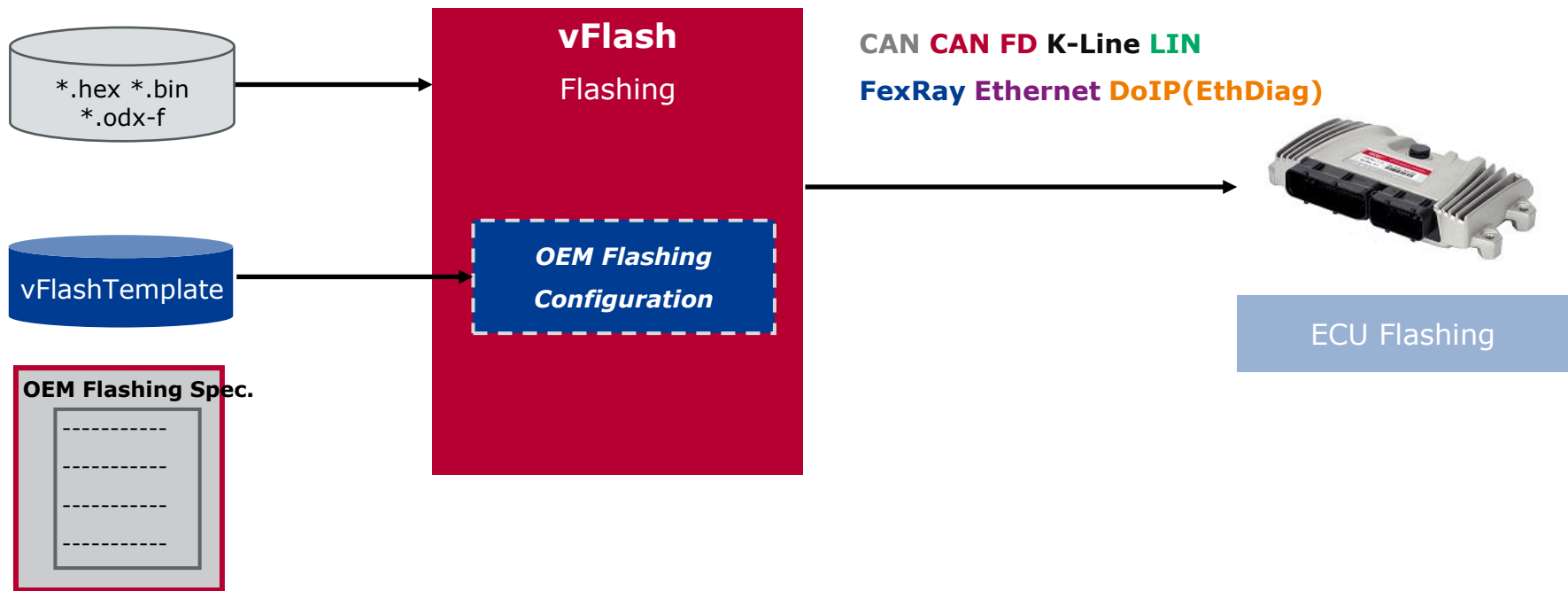
Solution View – Diagnostic Specification



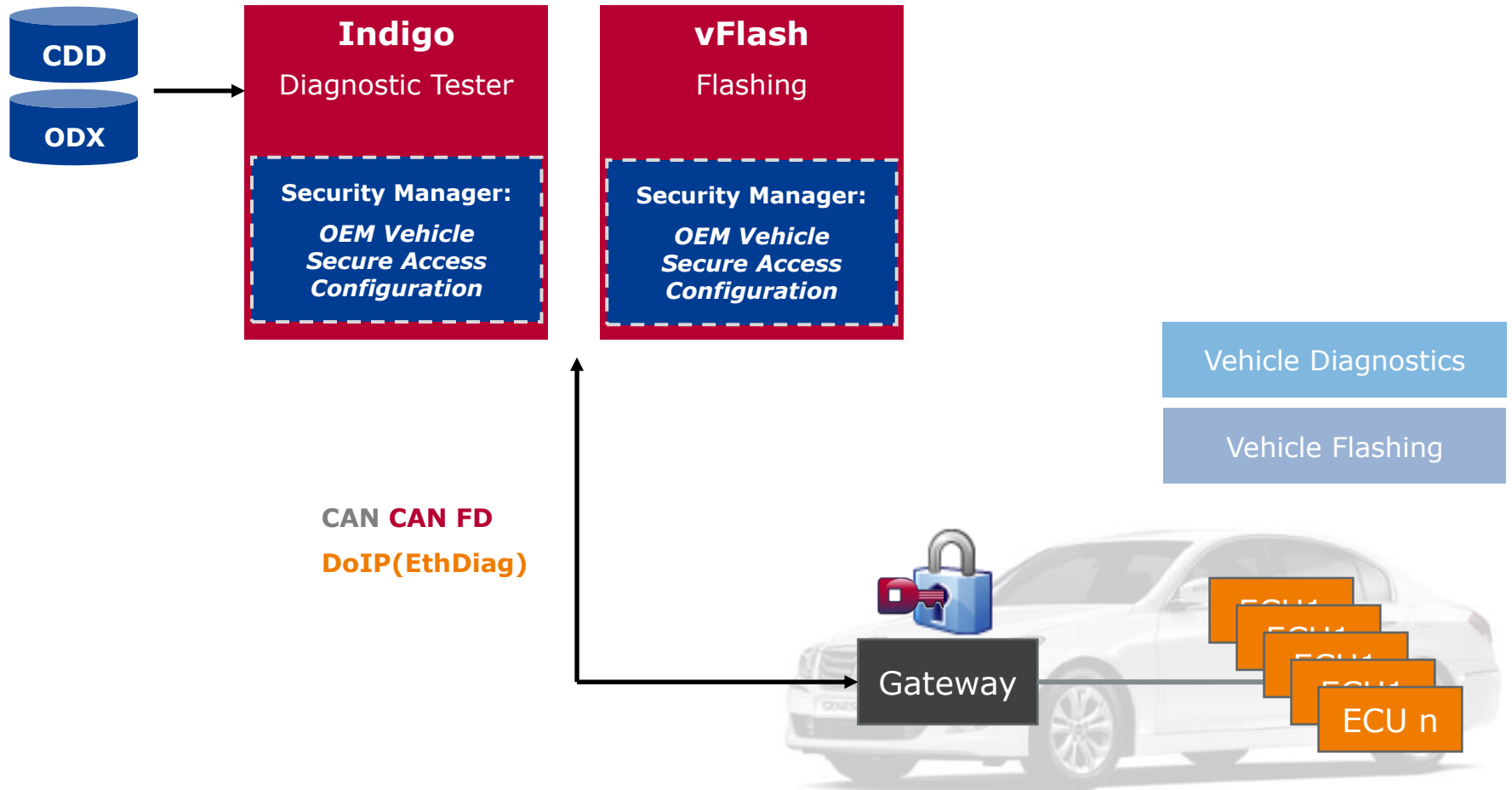
Solution View – ECU Diagnostic Validation & Test



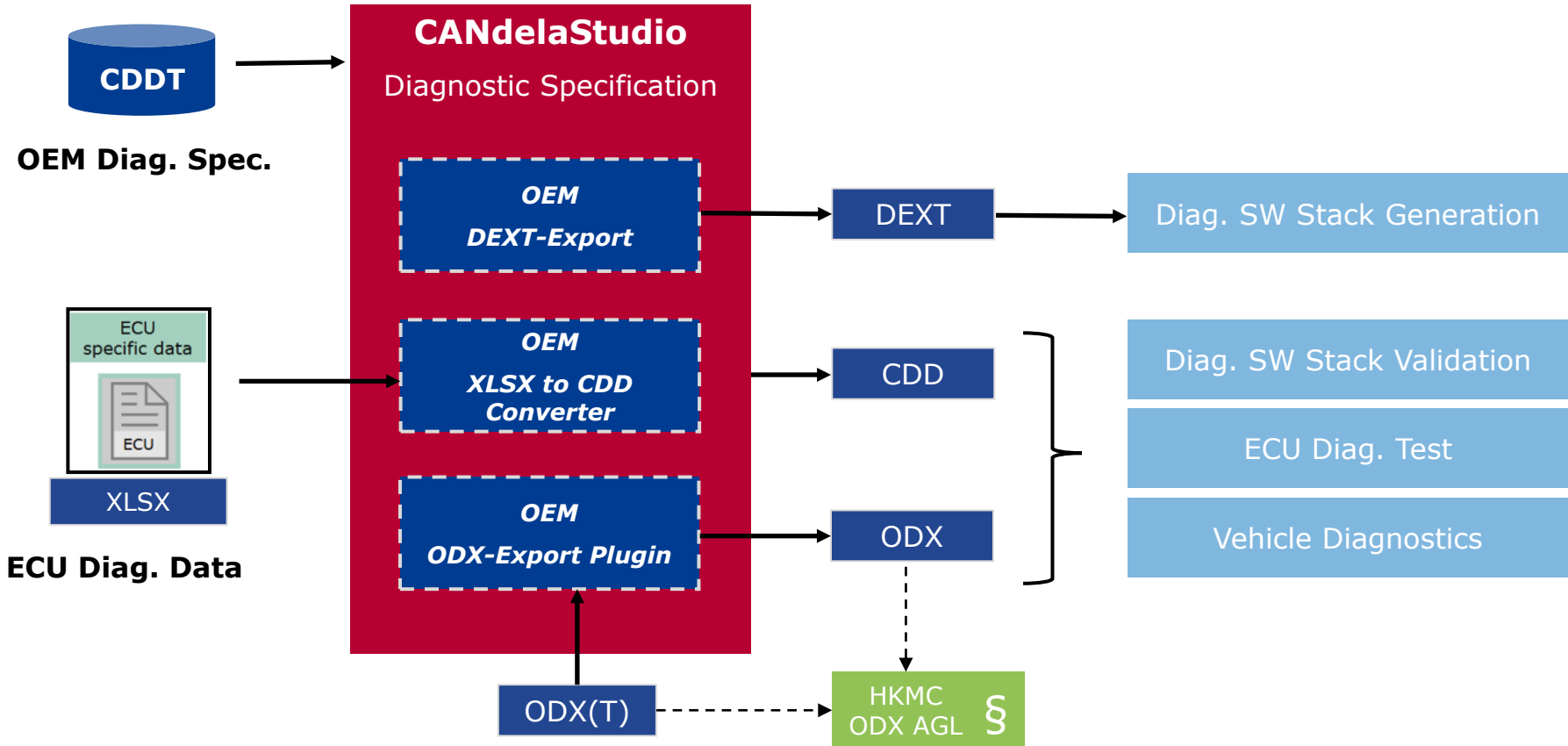
Solution View – ECU Flashing



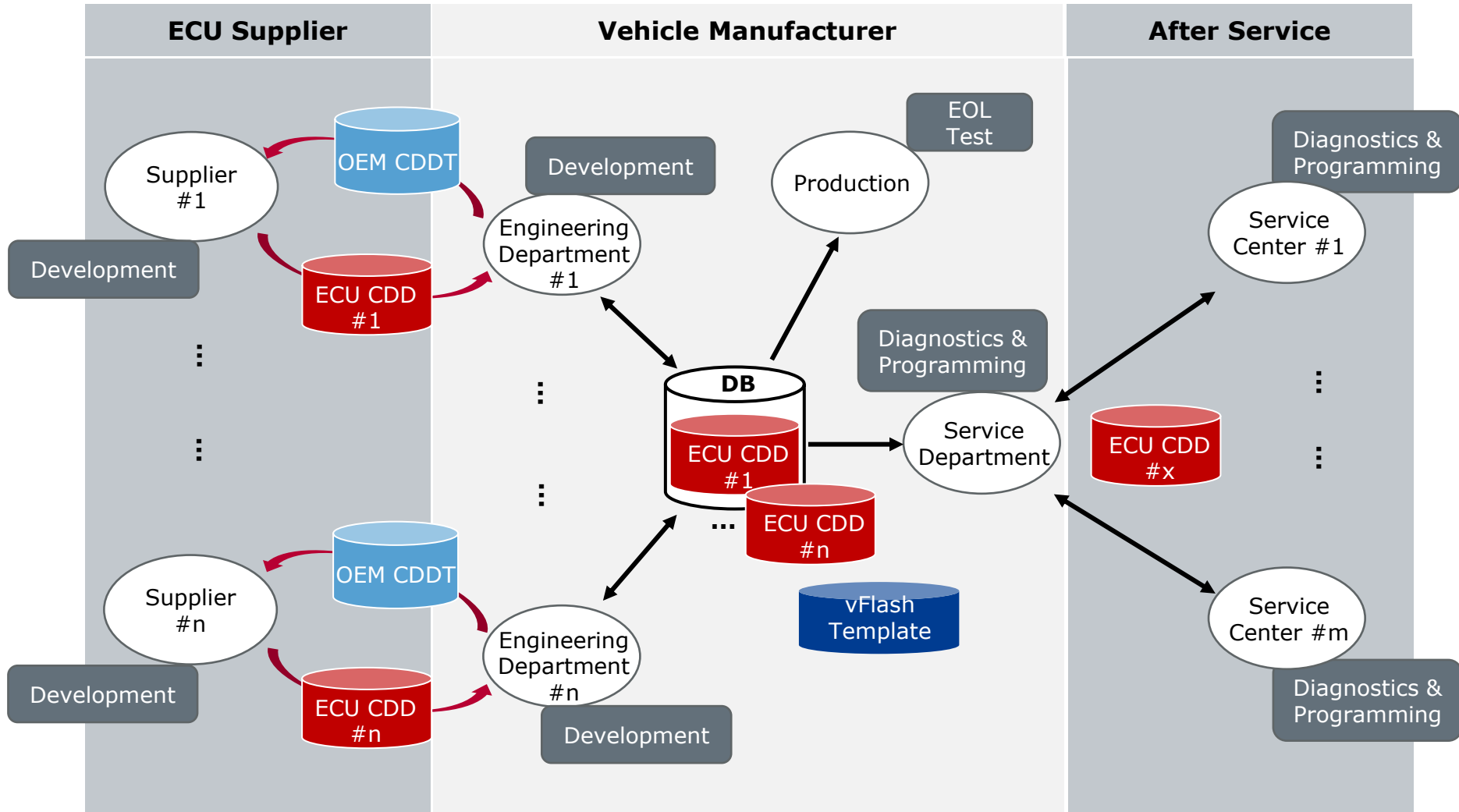
Solution View – Vehicle Diagnostics & Flashing



Solution View – XLSX to CDD Converter for Diag. Specification



Co-Work & Data Exchange View – OEM & Suppliers & Service



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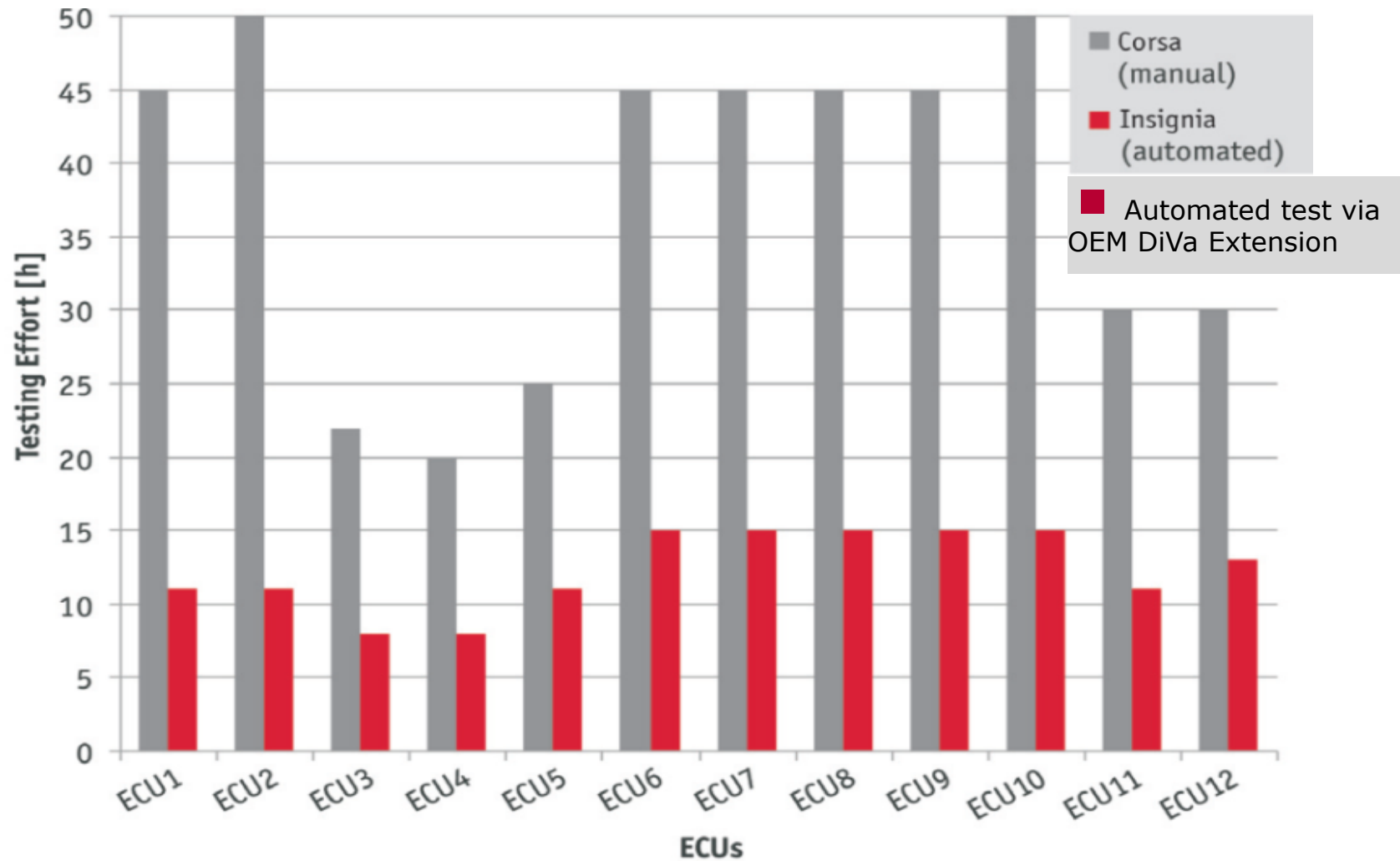
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Use Case: OEM DiVa Extension for ECU Diag. Validation



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