Next Generation
Systems Modeling Language

SysML V2

IBM Plans

First General Availability planned for 2024:

– Already involved with pre-GA activities for modeling experimentation based on SysML V2 (under NDA)

In Collaboration with Siemens

– IBM SysML V2 solution integrated with Siemens Xcelerator portfolio

– Leveraging tool openness, APIs and extensibility

IBM focus

– Needs of Systems Engineers

– SysML V2 modeling in the context of the larger development lifecycle via a Digital Thread integration framework

– Transition to Software Design via SysML to UML interoperability

© IBM Engineering / © 2022 IBM Corporation

Next Generation
Systems Modeling Language

IBM SysML V2 Modeling

Key Capabilities

Fully compliant with **SysML V2**

- Full compliance with textual and graphical notations
- Support for the standard Rest APIs
- Support for standard Model libraries
- SysML V1 to V2 transformations
- Model interchange

Low barriers to adoption

- Easy on-boarding
- Modern UX
- UI Automation/Extension

Automation support for **IBM Harmony for SysML V2**

Support for **full lifecycle digital thread** thru OSLC linking and Global-Config

- SysML V2 integrated with the rest of the development lifecycle

Path to **downstream design domains**

- SW design in Rhapsody
- Mechanical & Electrical designs (via collaboration with Siemens)

© IBM Engineering / © 2022 IBM Corporation

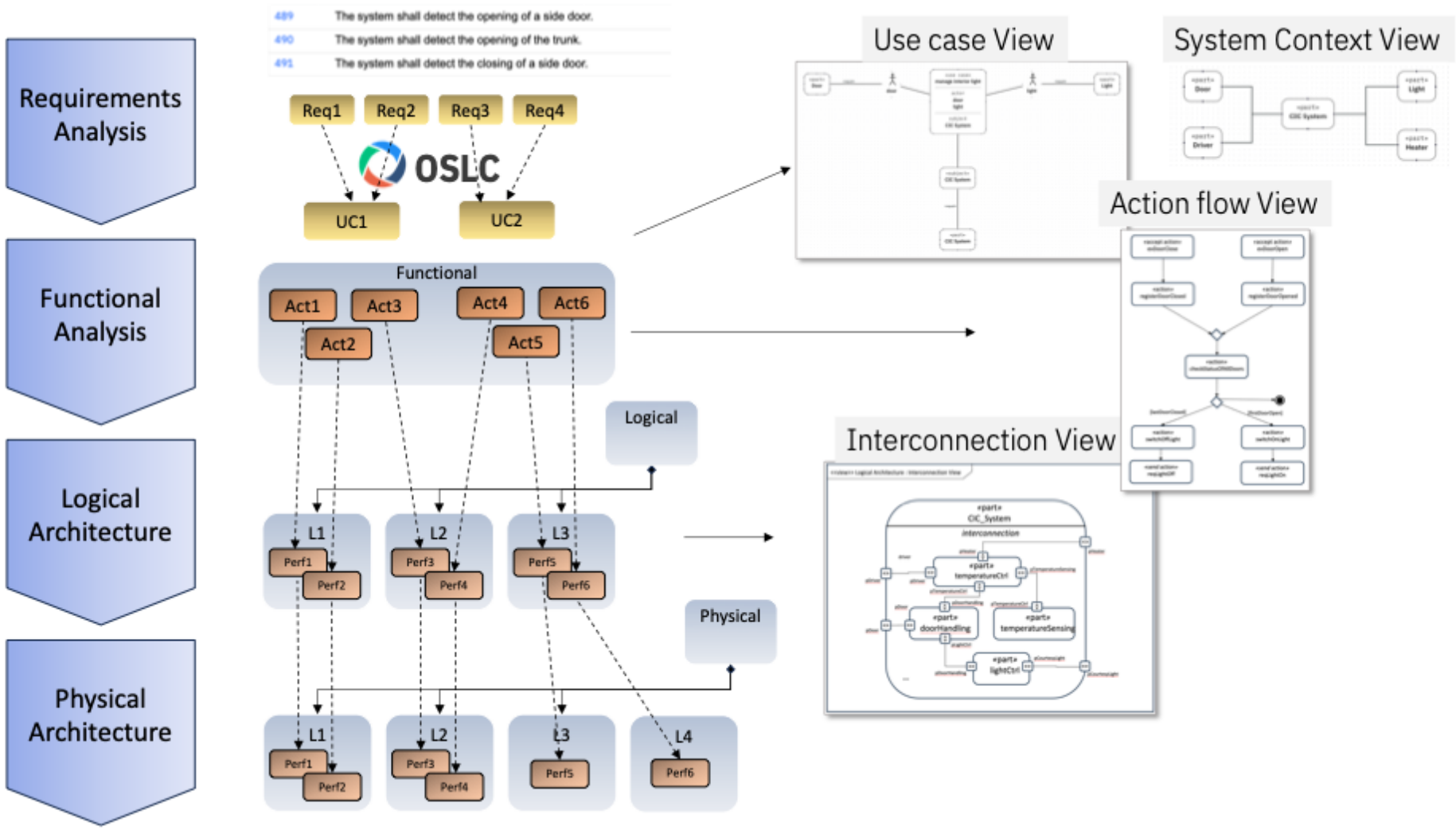
Next Generation
Systems Modeling Language

For more information…

contact IBM at:

mcohen@us.ibm.com

eran.gery@il.ibm.com



© IBM Engineering / © 2022 IBM Corporation