

KORBIT'S ROLE IN GTN

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Korea B2B/A2A Interoperability Testbed (KorBIT)

KorBIT

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- Created in January 2003
- Currently operated by KIEC (korbit.org) under the auspices of Korea Agency for Technology & Standards
- Goals
 - ▣ Provide an infrastructure to validate B2B implementations
 - Support conformance and interoperability test for development, deployment, and runtime
 - ▣ Achieve global interoperability by collaborations between North America, Asia and Europe
 - ▣ Participate international standards activities

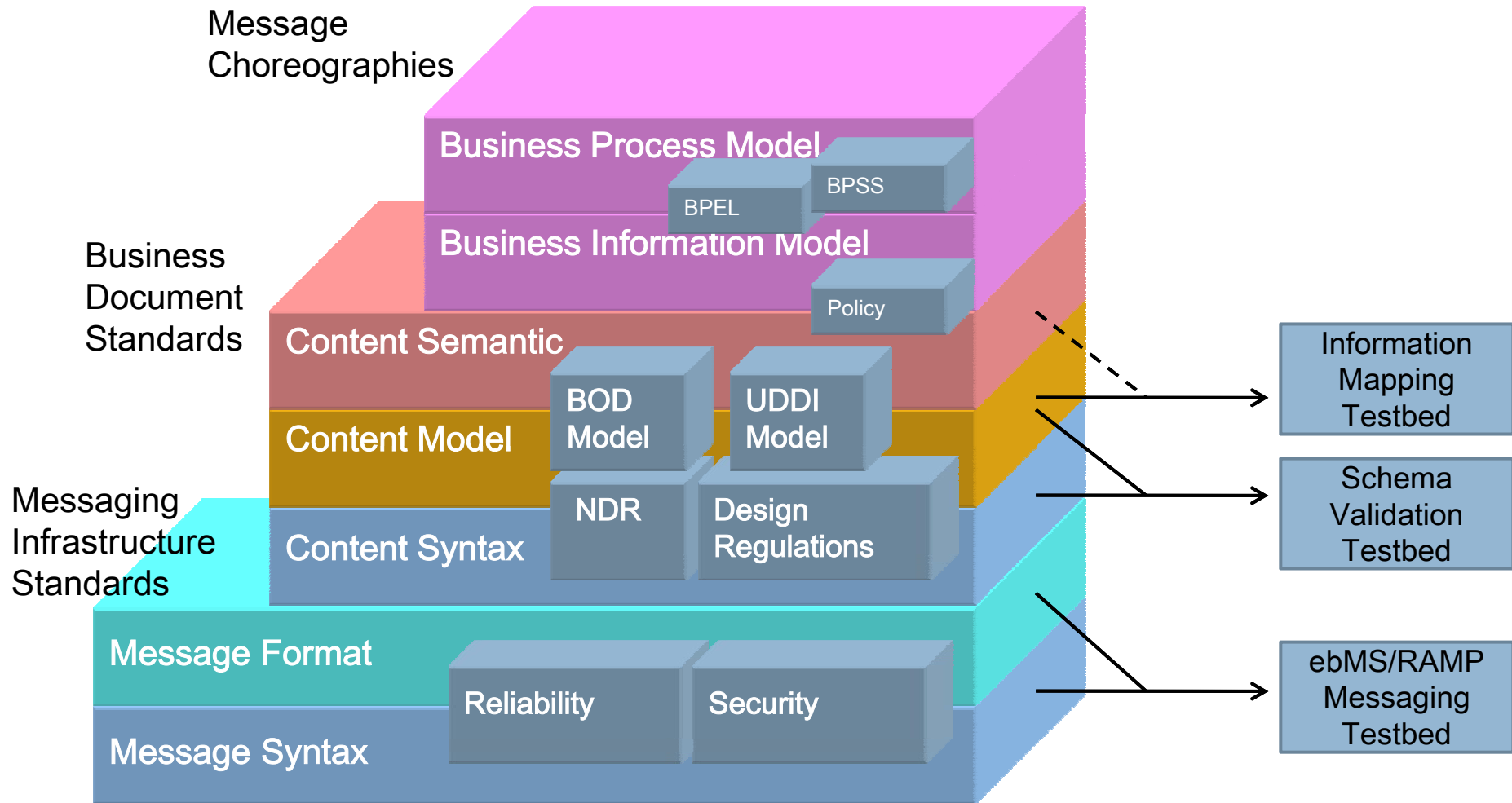
KorBIT's Accomplishments

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- - 2004
 - ▣ Testing service of ebMS 2.0 implementations
 - ▣ Remote testing capability
 - ▣ 200 test cases
- - 2006
 - ▣ Prototype testing of web service profile
- - 2007
 - ▣ Testing service of document schema validation based on UN/CEFACT NDR and CCTS
- - 2008
 - ▣ Transition of test framework from IIC to TaMIE

Test Stacks

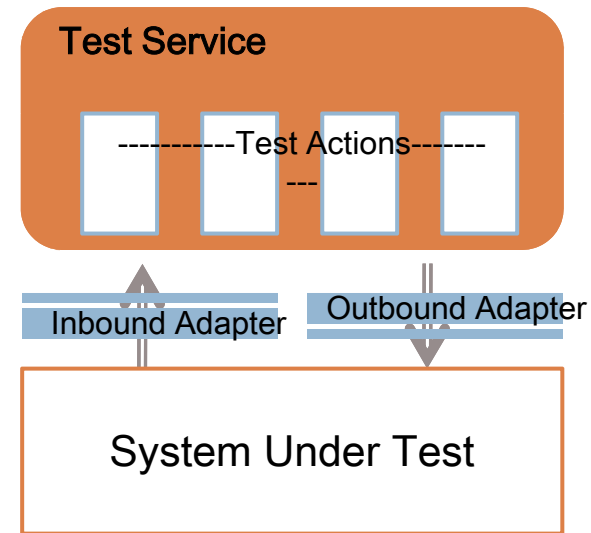
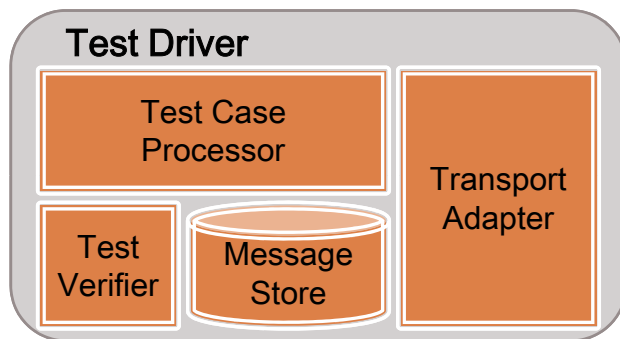
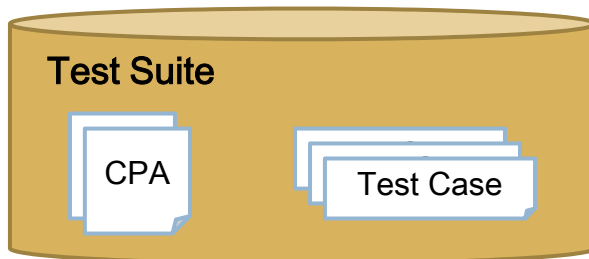
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IIC Test Framework

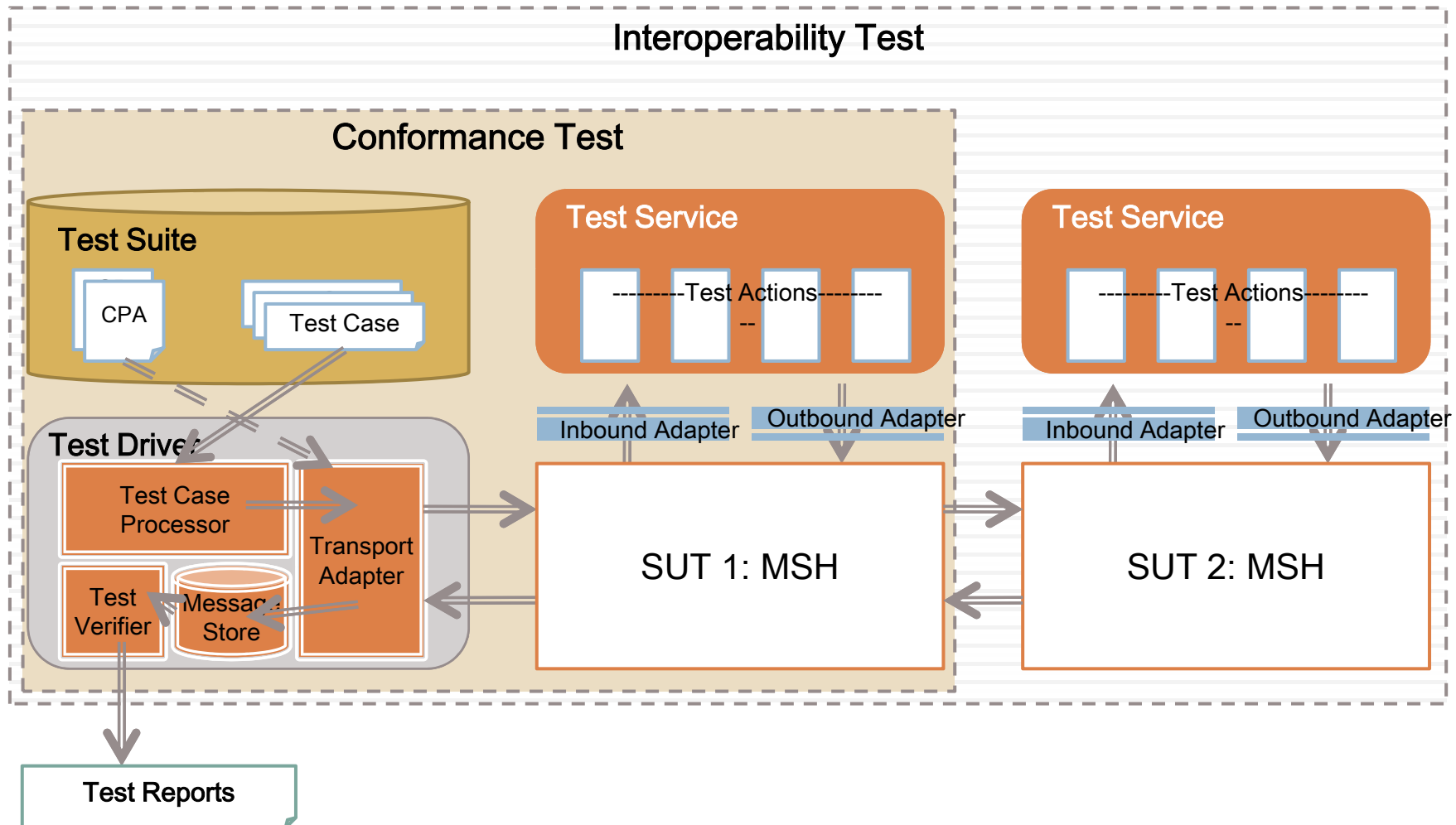
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Static
Module



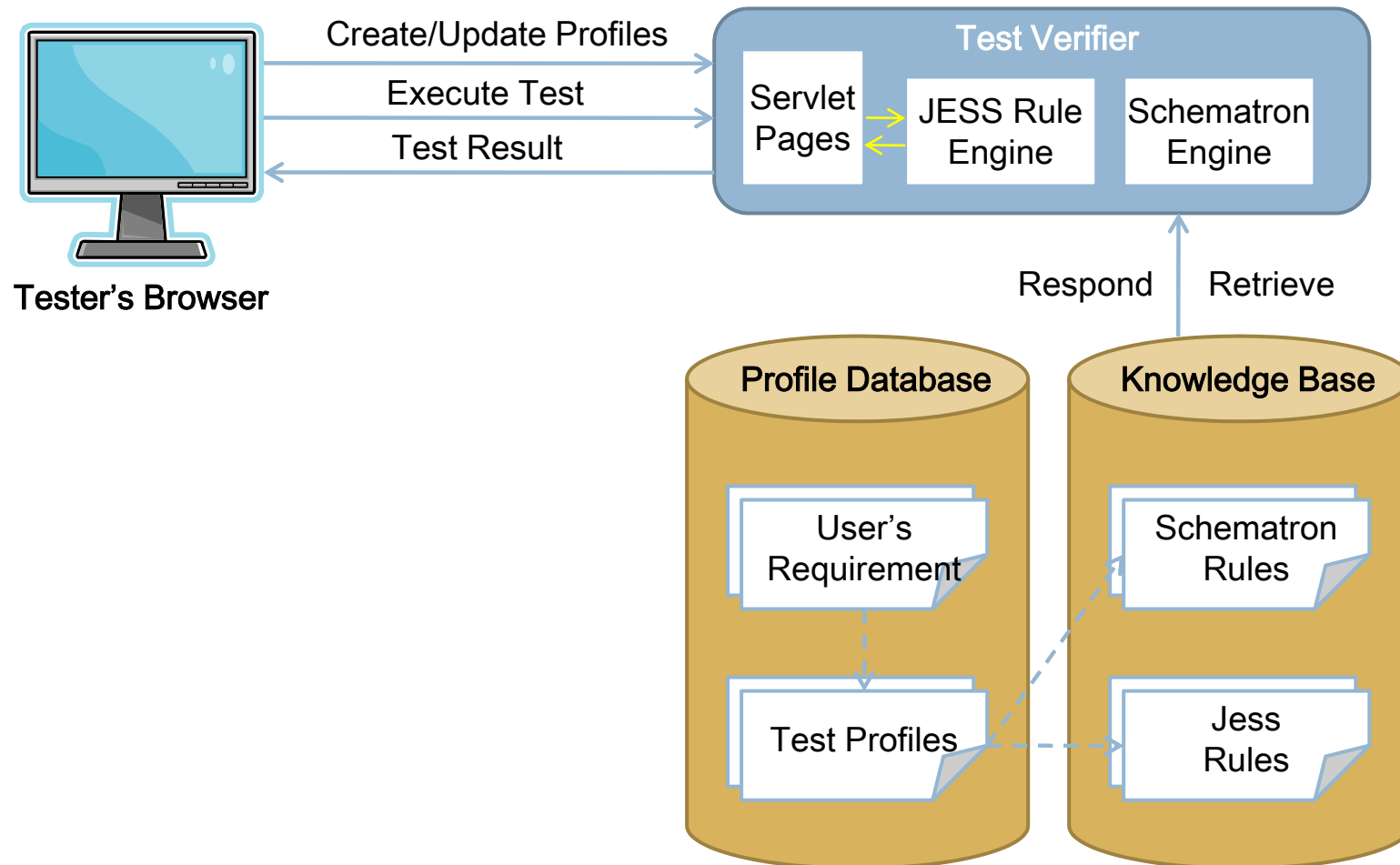
ebMS 2.0 Test

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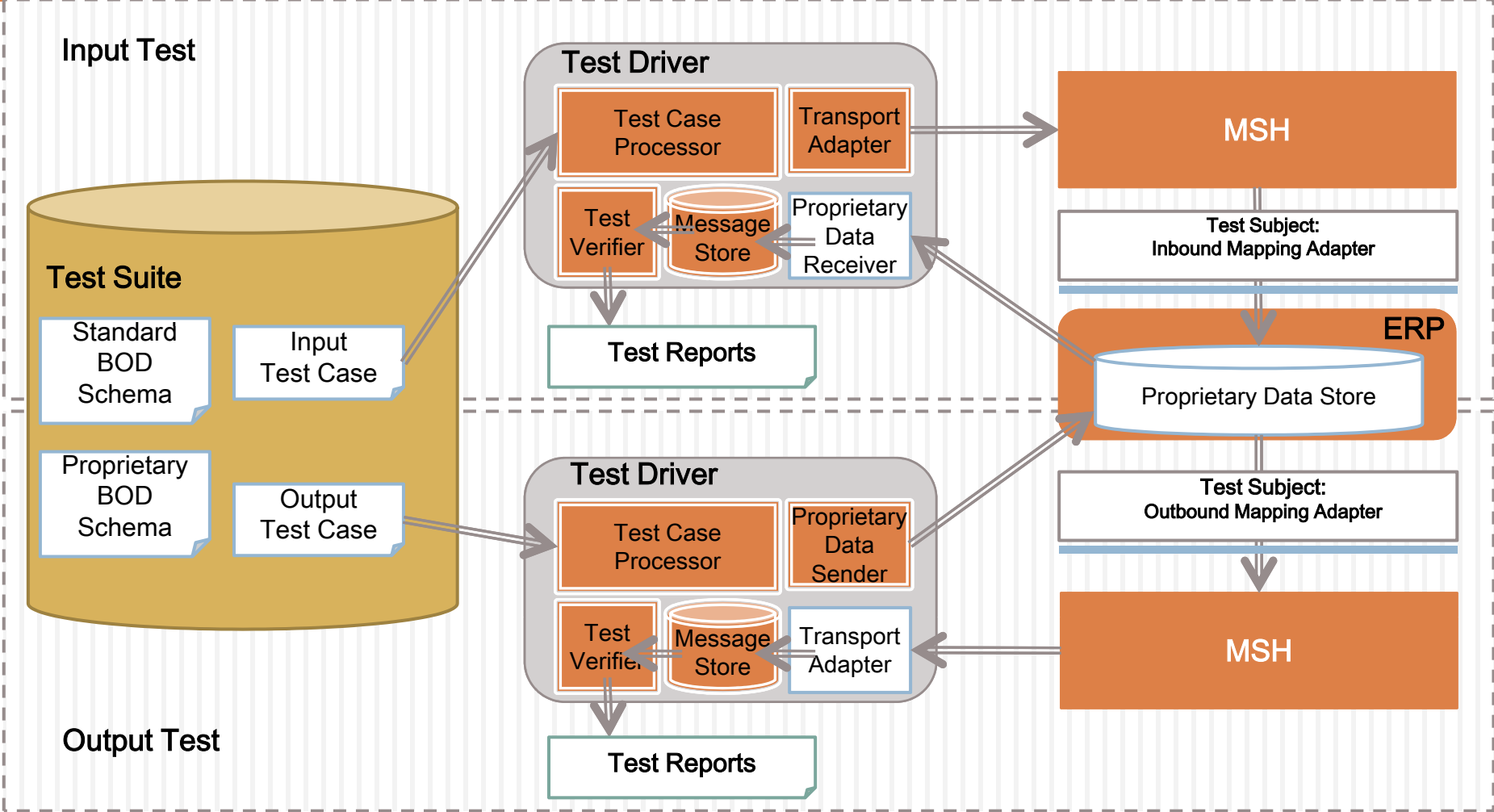


Schema Validation Test

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Information Mapping Test

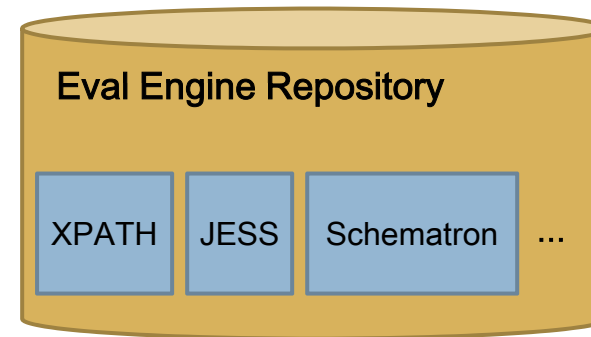
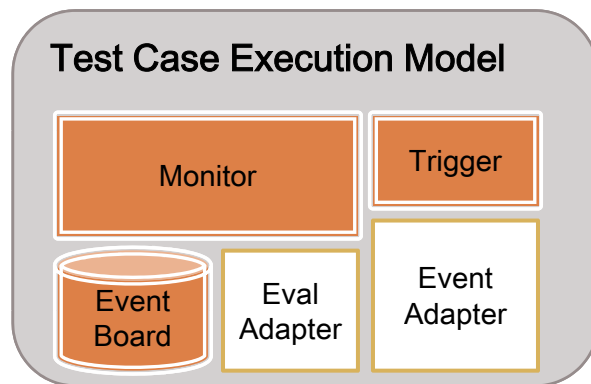
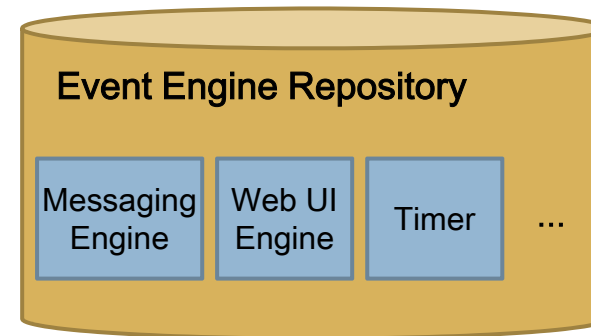
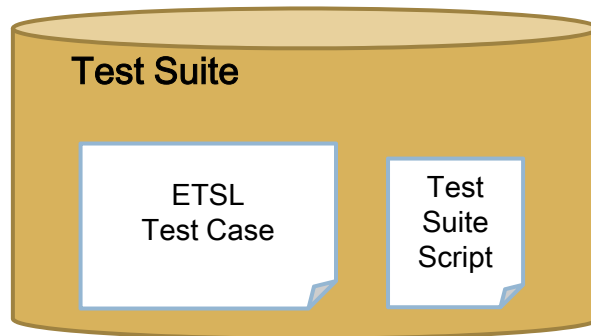


Agile Test Framework of eTSL

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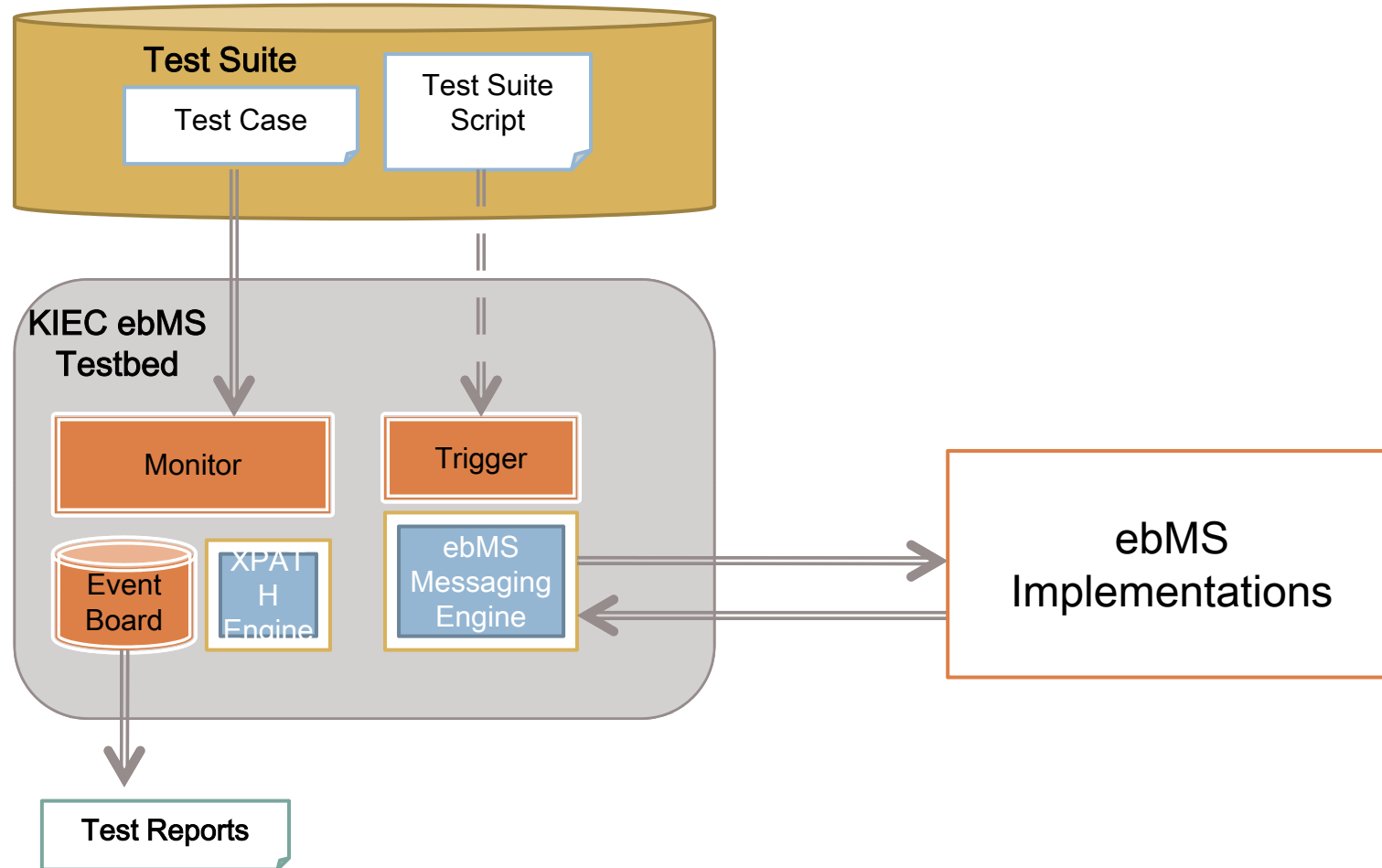
Reconfigurable
Module

Static Module



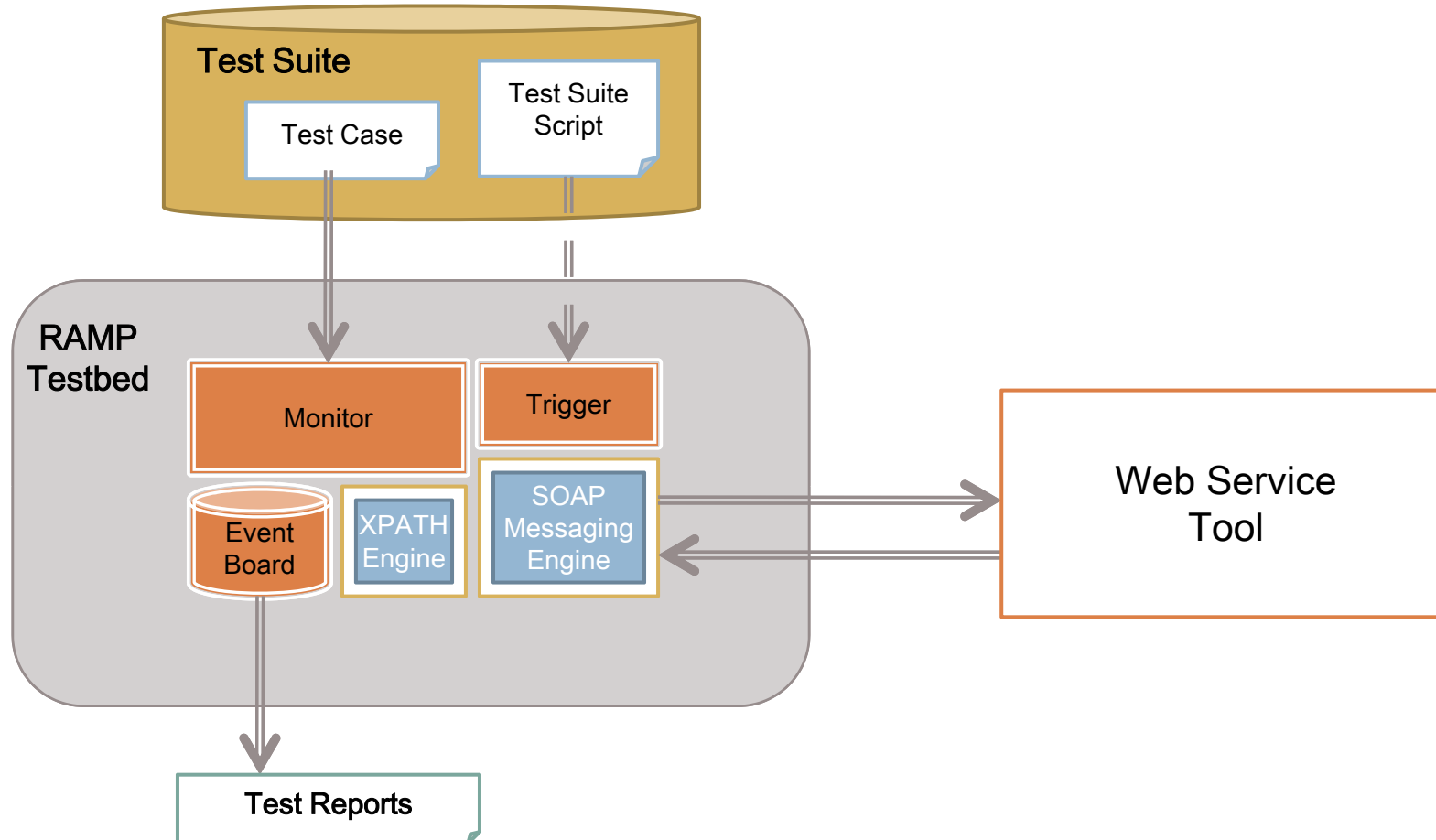
ebMS 2.0 Test by eTSL

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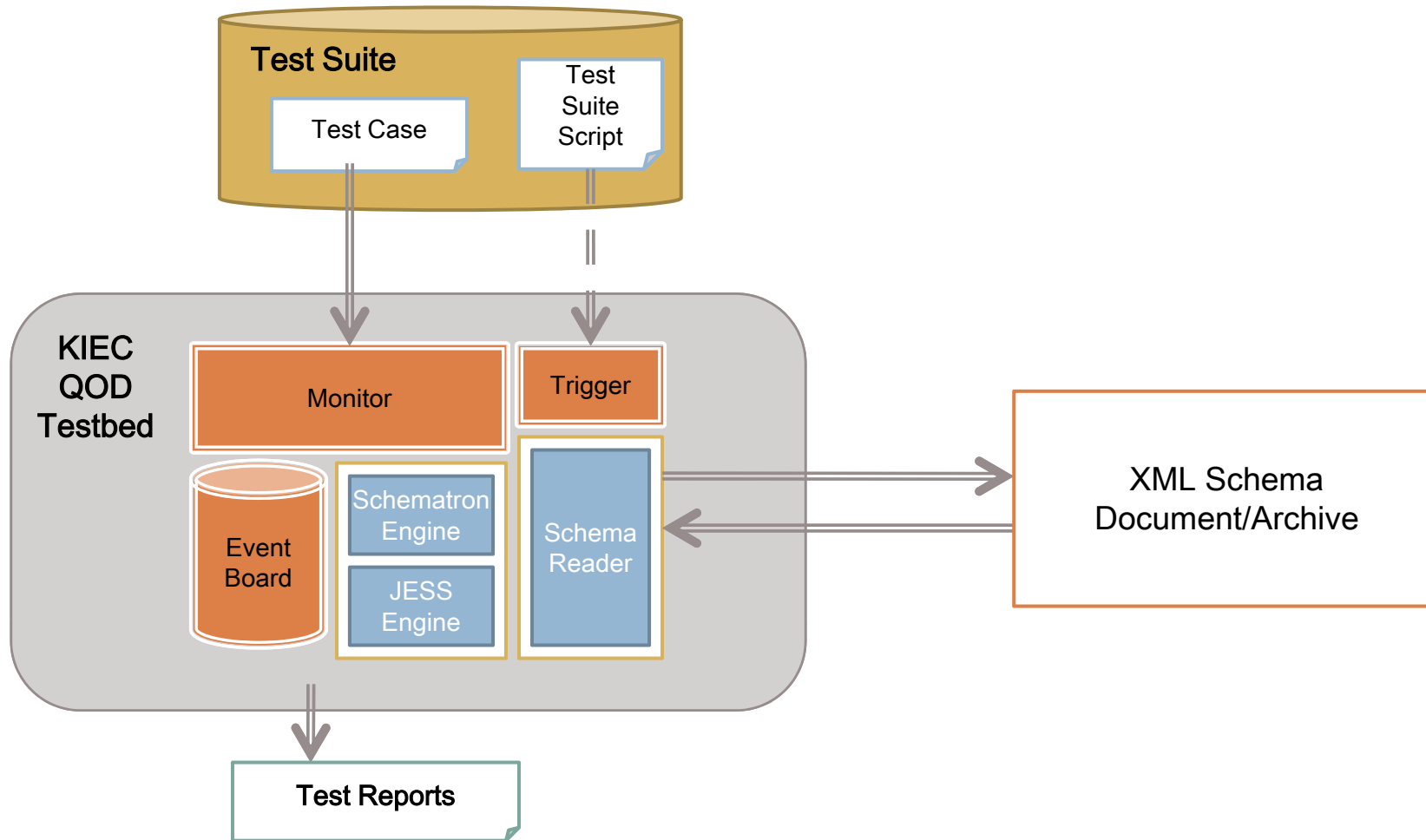
RAMP Test by eTSL

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Schema Validation Test by ETSL

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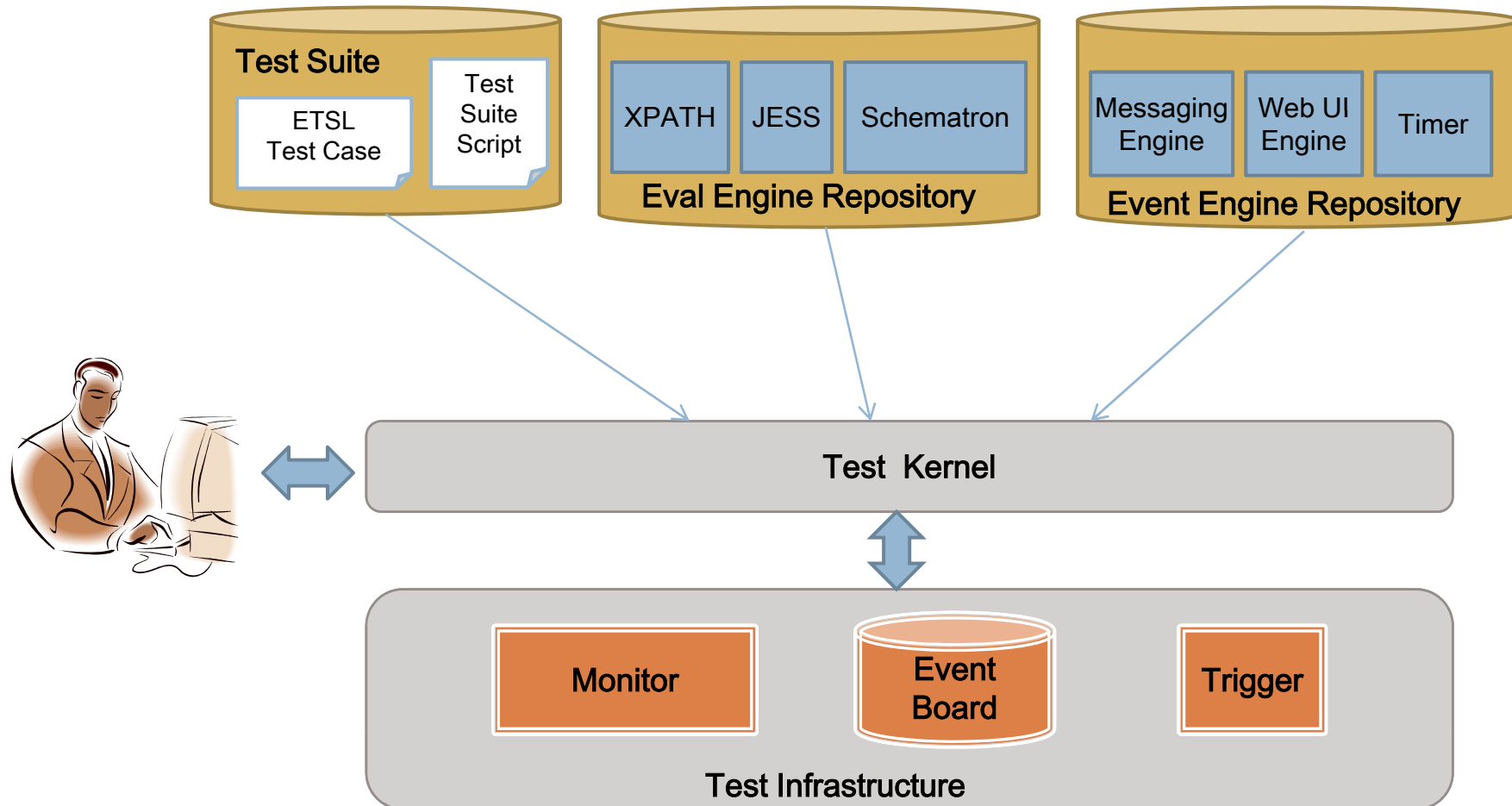
Comparison Matrix

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Characteristics		IIC 1.0	IIC 1.1	RNSDK	WS-I	TTCN	ETSL
Reusability	Test component scalability	Partially	Partially	Y	Y	Y	Y
	Test component reconfigurability			Y			Y
	Test component seamlessness	Y	Y	Y	Y		Y
	Test suite modularity		Partially	Y			Y
	Generic executable test suite	Y	Y		Y	Y	Y
Test efficiency	Full expression	Y	Y	Y		Y	Y
	Problem Identification	Partially	Partially				Y
	Shared results						Y
	Reliable testing						Y

Interoperability Gateway @KIEC

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Conclusions

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- We gain experiences while running an actual testbed
- We support industry to adopt interoperable solutions
- We expect networked enterprises are coming and serious interoperability problems will happen
- We believe no single company can resolve them by itself
- We suggest all of us to collaborate in achieving global interoperability
- We are ready and willing to support GTN