

nSHIELD Run through



Annual review
18th October ROME 2012

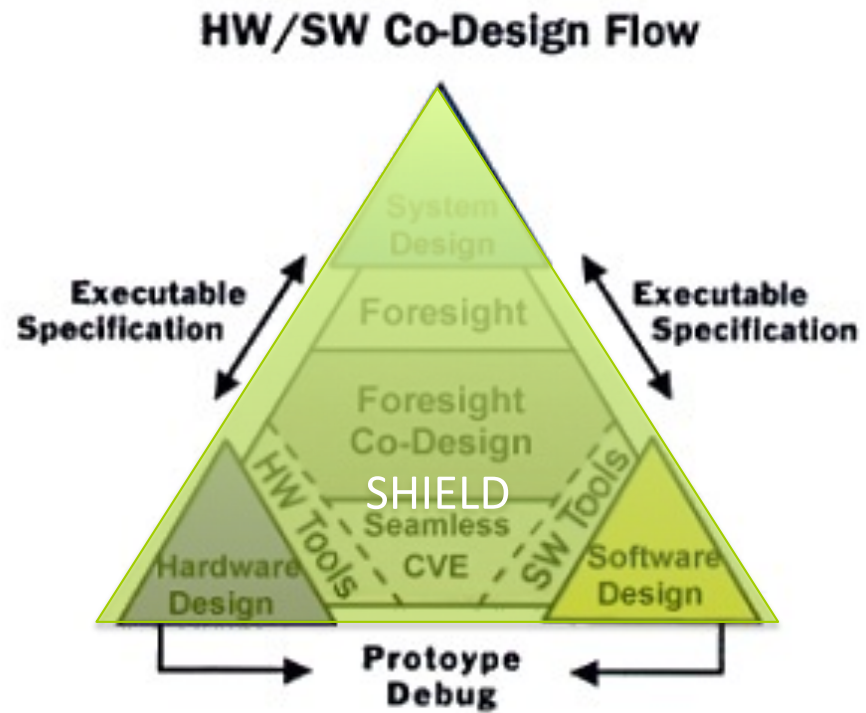


nSHIELD - Run Through Use case Exercise

From Legacy and future Devices through SHIELD Methodology To SPD Devices

SHIELD Methodology =
pSHIELD (composability)
nSHIELD (methodology)
nSHIELD + +

Future Implementation beyond nSHIELD



SHIELD Design Flow

STEP	INPUT	OUTCOME
Environment and threats identification		Awareness
SPD Assessment	Application case *	SPD Guidelines
Metrics Implementation	SPD Guidelines and Tools*	Metrics (security measure)
Ontology Definition	Application case *, Tools*	Ontology (OWL)
Technological Injection	Software Module*, IP *, Template*, Trusted run time environment *	Software/Firmware customized modules (SPD SF Module)
Integration	SPD SF Modules + Design files	E.S. physical Implementation
Validation/Verification	SPD Validation tools*	Validation Report
Deployment		E.S physical Implementation + end user application note

* From nSHIELD

nSHIELD Design Flow first year focus

STEP	INPUT	OUTCOME
Environment and threats identification		Awareness
SPD Assessment	Application case *	SPD Guidelines
Metrics Implementation	SPD Guidelines and Tools*	Metrics (security measure)
Ontology Definition	Application case *, Tools*	Ontology (OWL)
Technological Injection	Software Module*, IP *, Template*, Trusted run time environment *	Software/Firmware customized modules (SPD SF Module)
Integration	SPD SF Modules + Design files	E.S. physical Implementation
Validation/Verification	SPD Validation tools*	Validation Report
Deployment	Market impact?	E.S physical Implementation + end user application note

* From nSHIELD

SHIELD – GOOD IDEA BUT?

- Measurable security is not a issue in the actual market
- Overlay software for system of system (Large System) is getting complex

Summary SHIELD Outcomes

STEP	Railway	UAV	Facial Rec.	Social Mob.
Environment and threats identification	X	X	X	X
SPD Assessment	X	X	X	X
Metrics Implementation	X	x	x	x
Ontology Definition	x	X	x	x
Technological Injection	x	x	X	x
Integration	?	?	?	?
Validation/Verification	x	x	x	x
Deployment				

X : Main focus
x : feasibility

The END



That's all folks!

