



# Guaranteed Architecture for Physical Security (GAPS)

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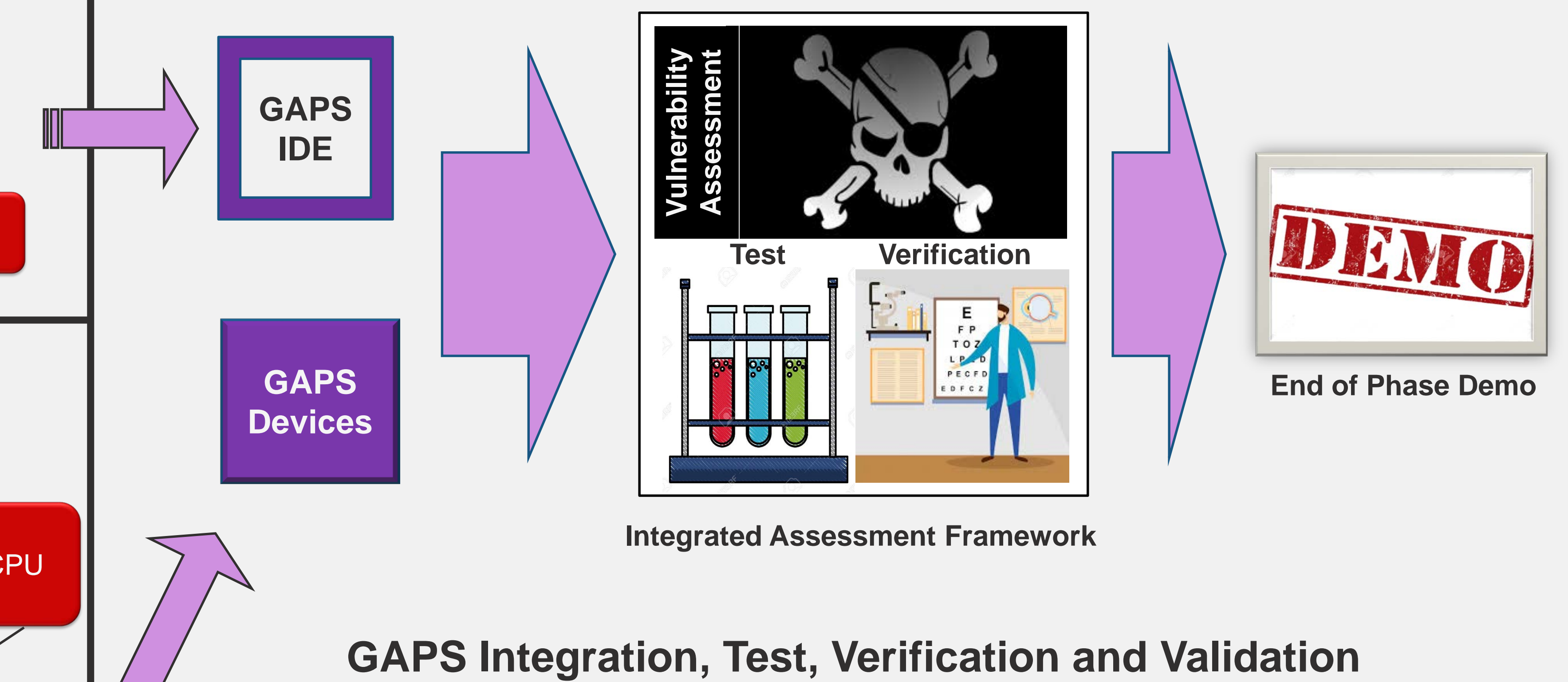


## Design & Security

### GAPS Enables Automated Binary Generation

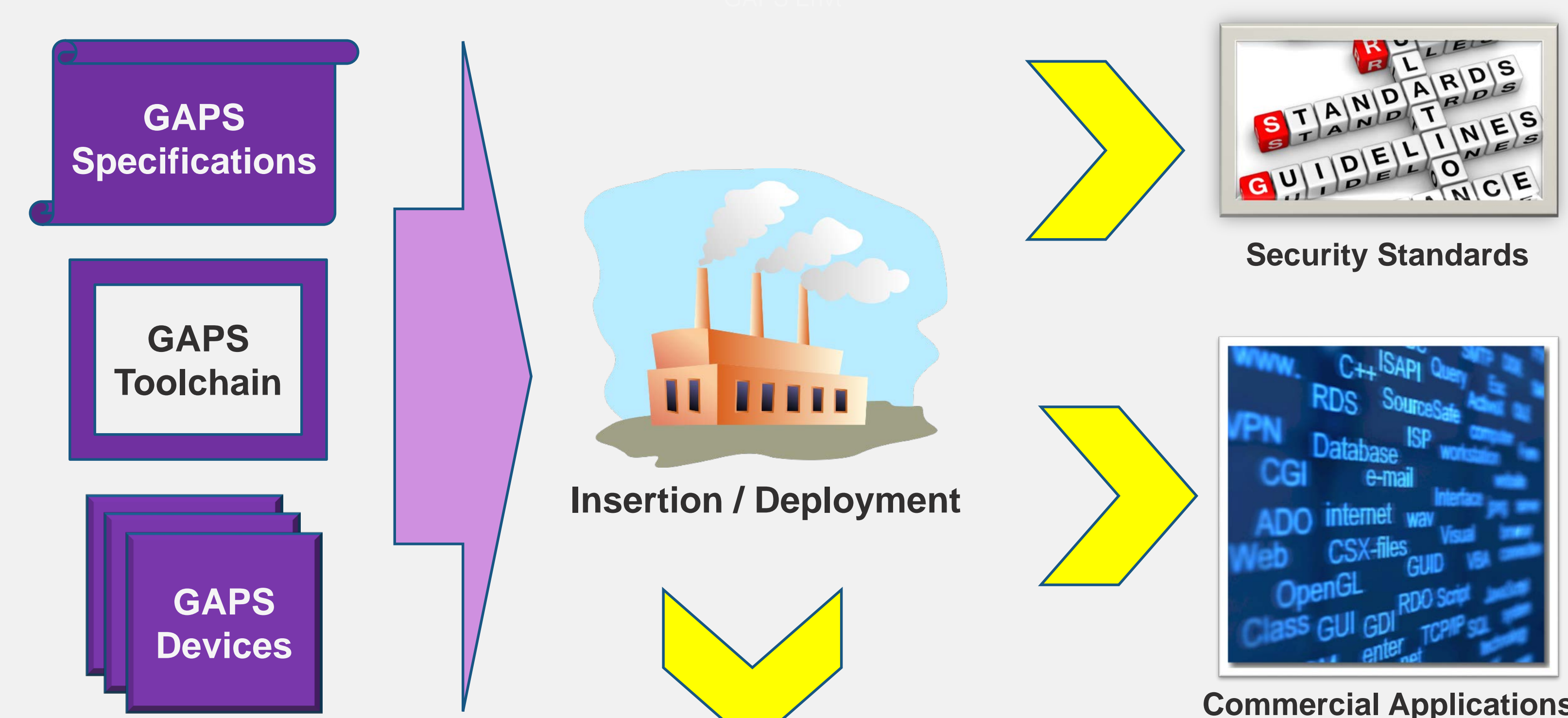
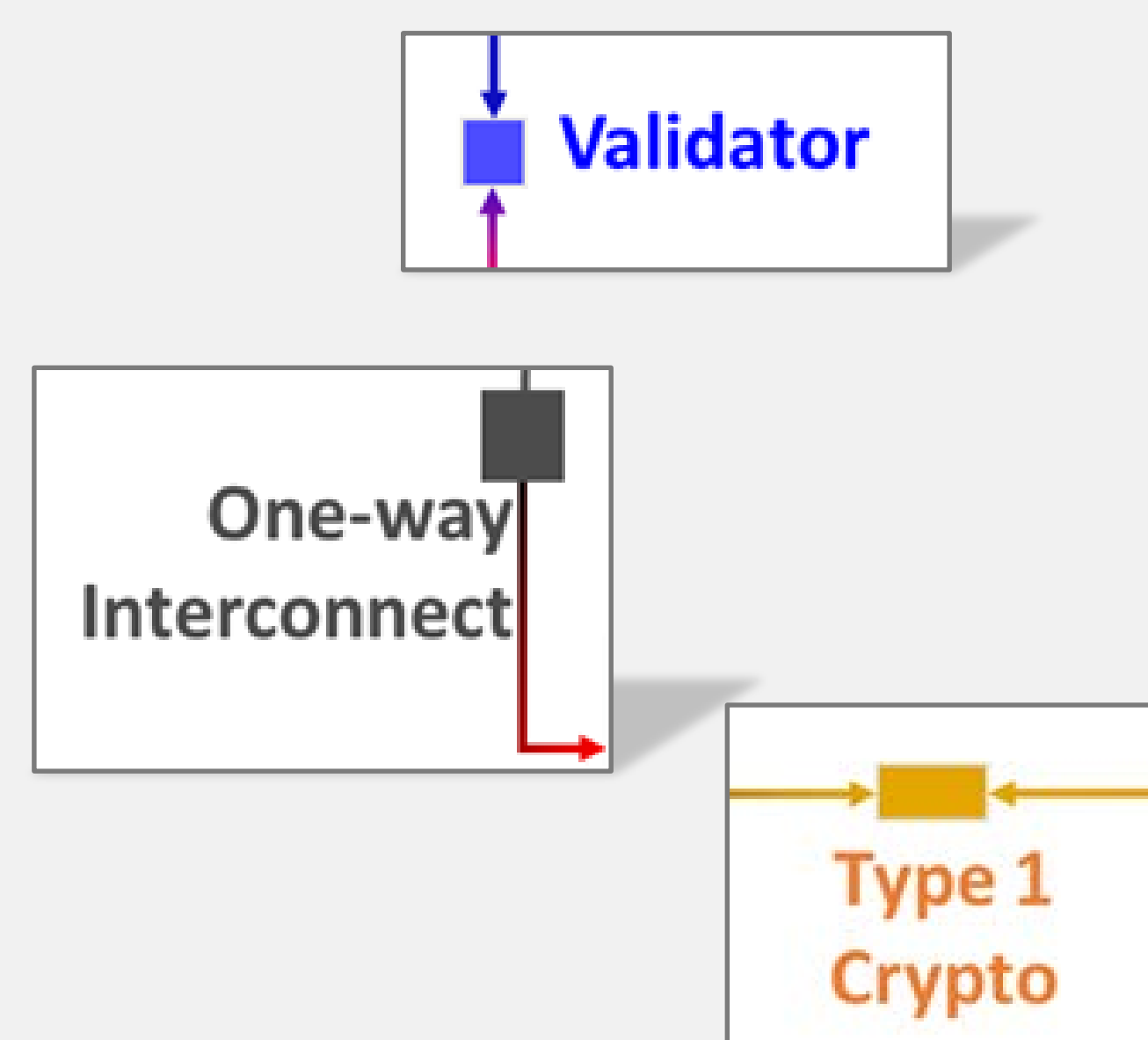


### Principal Integrator for the GAPS Program: Northrop Grumman Corp.



### Multilevel Security Provided by Provable Hardware, Not Buggy Middleware Code

- R&D on appropriate verifiable bus standards
- Develop board support packages (BSPs) around required components to enable missions
- R&D on topologies that require no feedback and still maintain high reliable throughput
- R&D on switch fabric controllers that maintain state and perform in-line verification of bidirectional connection data



### GAPS Insertion Into Industry Applications and Programs