PROJECT MANAGER
FORCE PROJECTION

UGV Interoperability Profiles (IOPs)
GRCC Open Architecture Panel

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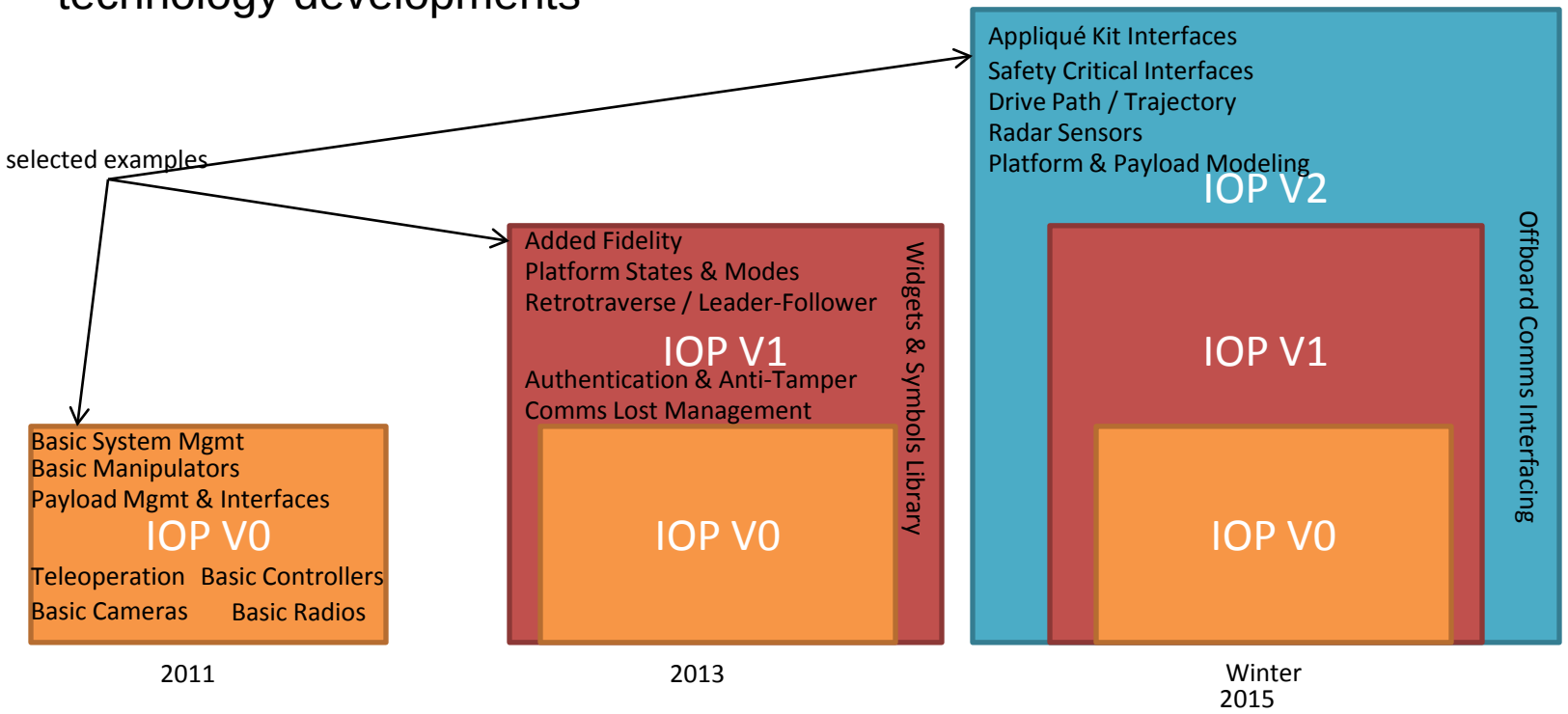
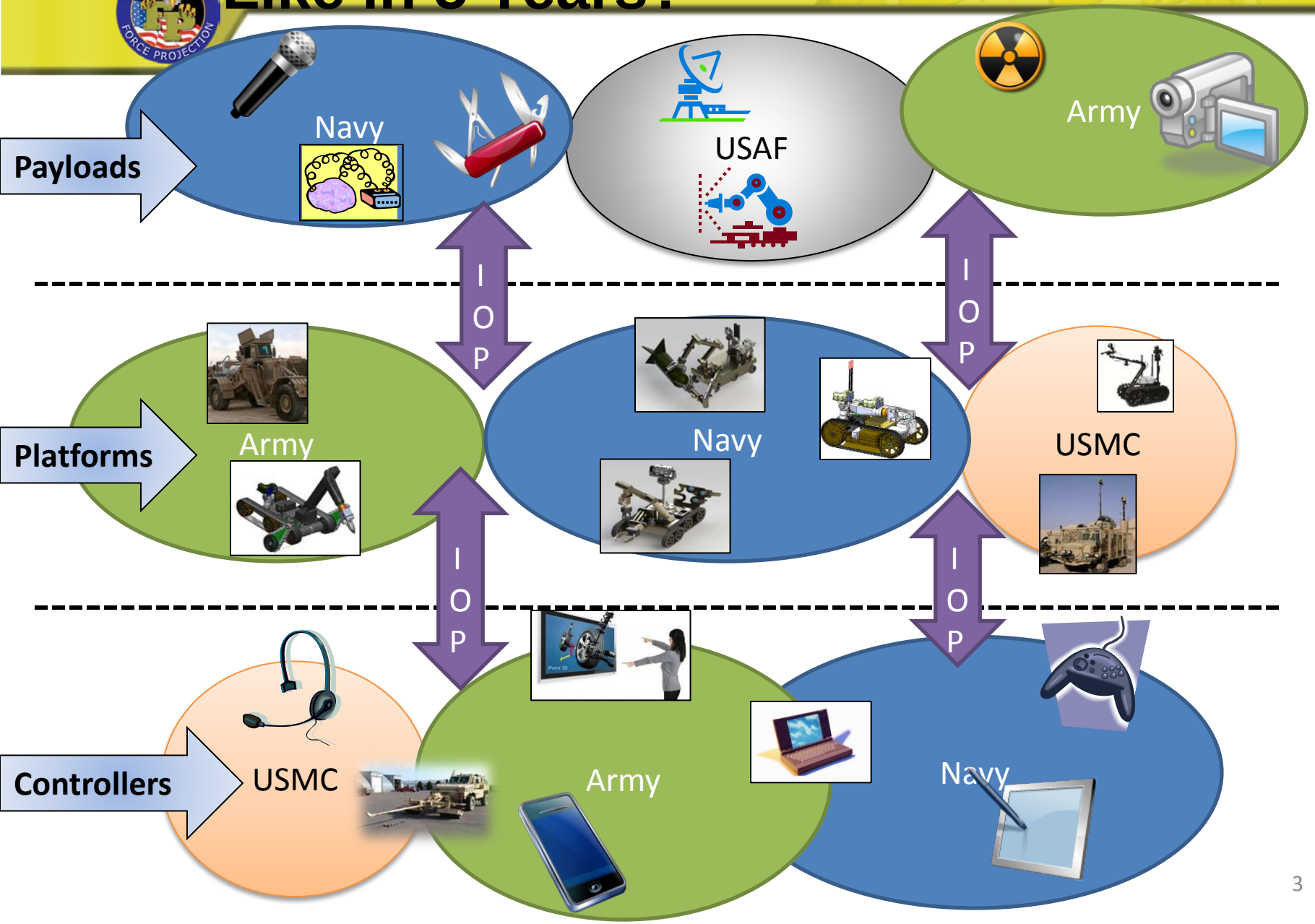
Unclassified: Distribution A

UGV IOP Quick Overview

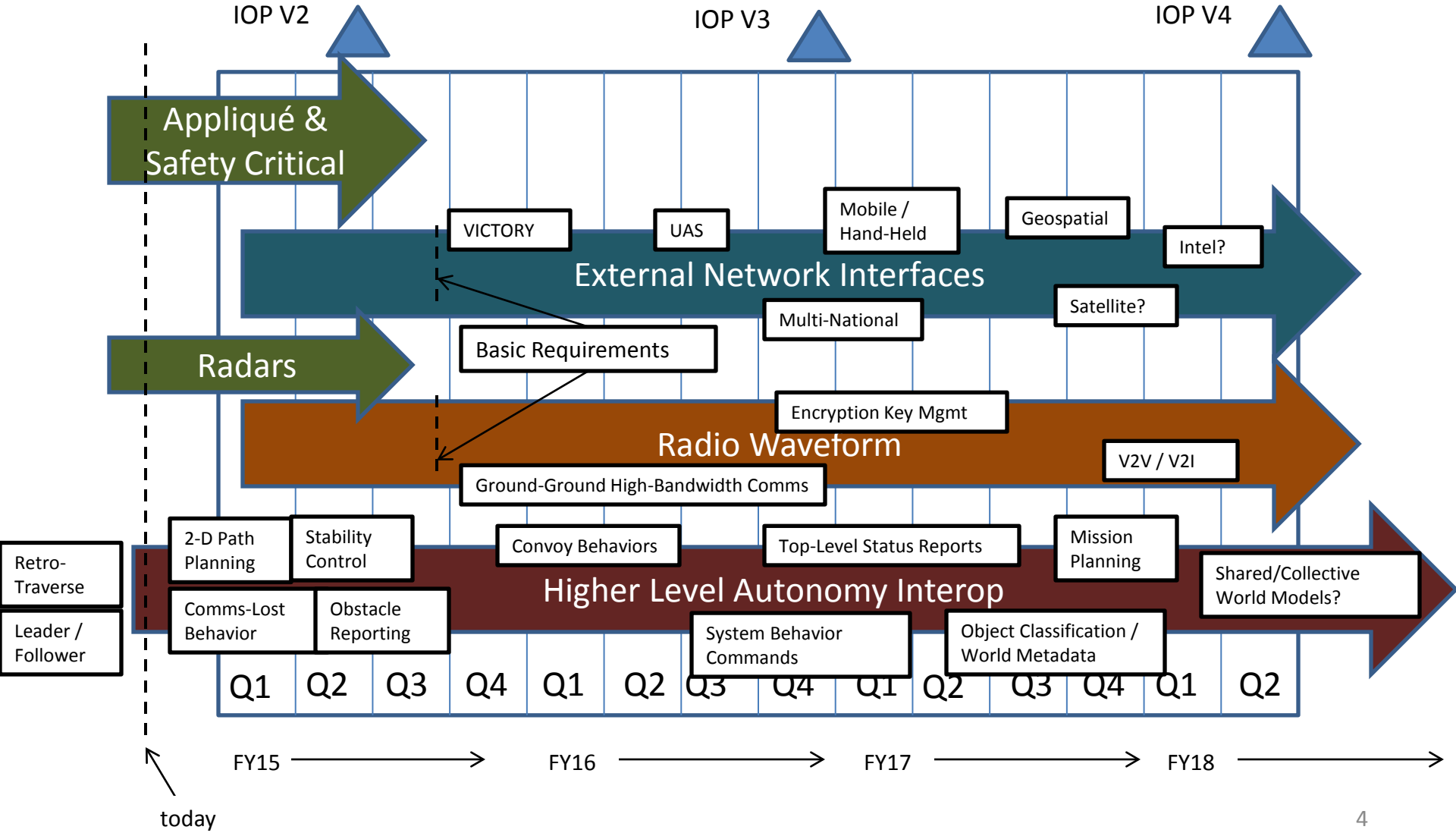
- IOP V0 provided interfaces for capabilities already fielded
- IOP V1 provides interfaces for the Man-Transportable Robotic System (MTRS) Inc II and the Common Robotic System, Individual (CRS-I)
- IOP V2 will provide interfaces for the Route Clearance & Interrogation System (RCIS) & the Husky Mounted Detection System (HMDS) Inc B
- IOP V3 and beyond will expand to keep up with emerging requirements & technology developments



What Does Modularity Success Look Like in 5 Years?



High-Level IOP Multi-Year Planning



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Challenges

- Communication of what IOP is/does
- Collaboration: difficult to keep up with so many different organizations
  - Different industries (robotics, automotive, S/W, networks, etc.)
  - Different domains (ground, air, manned systems, network/COE, etc.)
  - Joint Services
  - Multi-National
- Technical solutions often compete w/ economic forces
  - Is robotics industry converging w/ automotive industry? What about mobile computing industry?