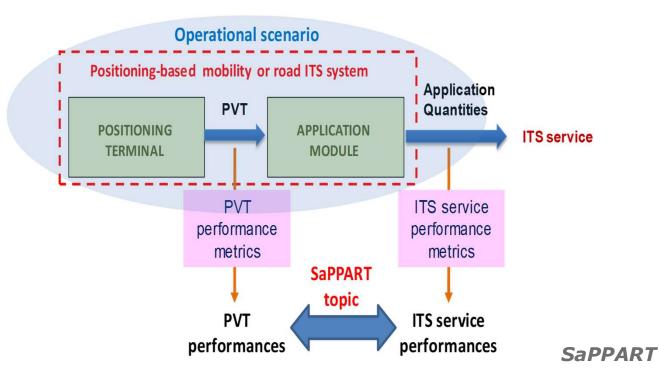
Applications

- National infrastructure
 - Chemicals, Civil Nuclear
 - Communications, Defence
 - Emergency Services
 - Energy, Finance, Food
 - Government, Health,
 - Space, Transport, Water
 - Surveying, Location Based Services etc
- Others?

Required performance

- Understanding of the value chain and service level
- Performance drivers (e.g. mission/service criticality)
- Need for performance cases (e.g. safety/security)



Preliminary classification

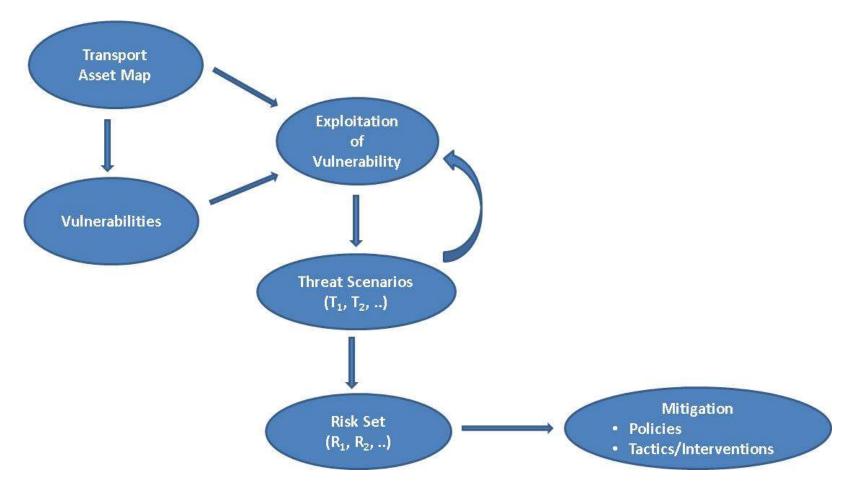
• On the basis of required performance

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Technologies

- GNSS and its augmentations
- Alternative systems/sensors/databases
- Positioning concepts

Vulnerabilities



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Integrity

- Both server and user side integrity
- Flexible failure detection and exclusion models
- Flexible protection level computation models
- Data message content and format
- Generalised, flexible and expandable functional architecture
- Must not be too prescriptive stifles innovation!

Testing

- A challenge for very low percentile requirements
- Combination of analysis and demonstration
- Must be compliant with certification/approvals requirements