

Project Architecture

Southeast Michigan Connected Vehicle Test Bed 2014
Project Information Meeting
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A Design Tool, not a Design



Other Engineering Disciplines have Graphical Tools

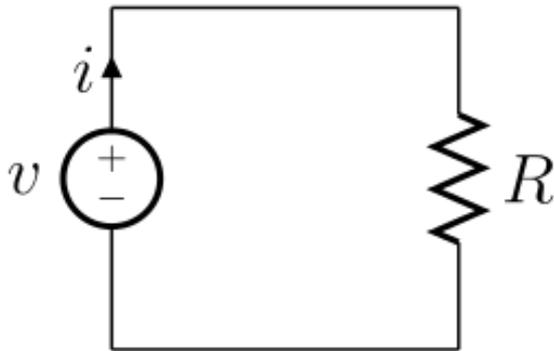


Image Source: Wikipedia

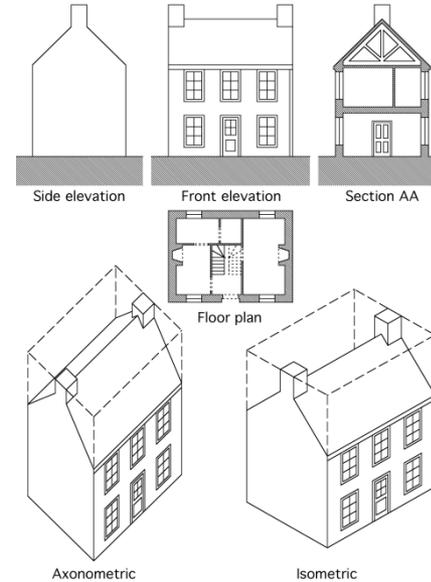


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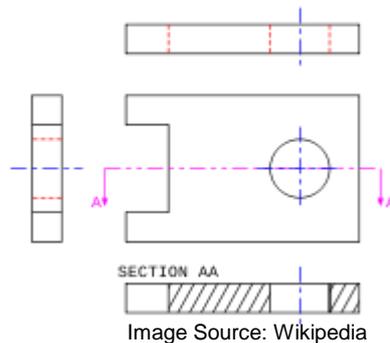
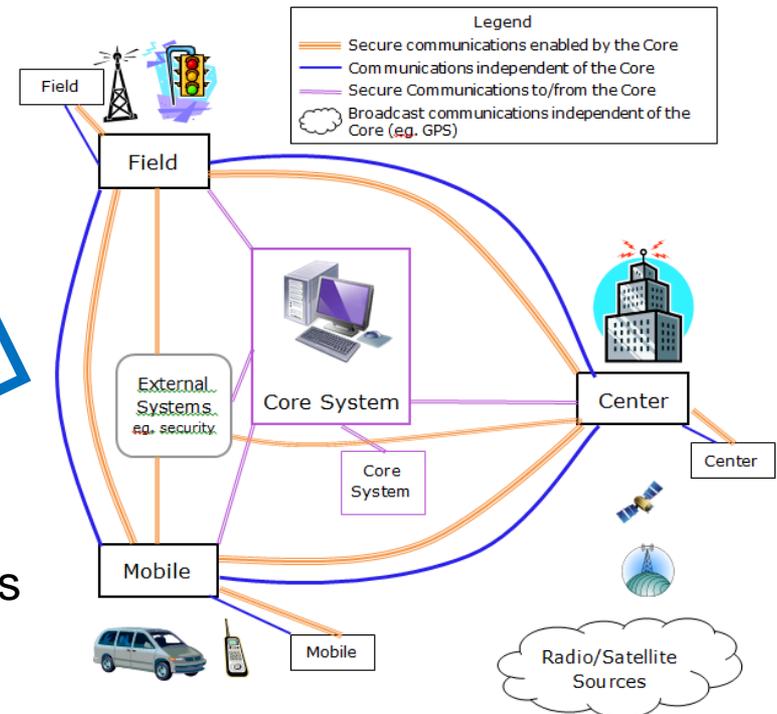
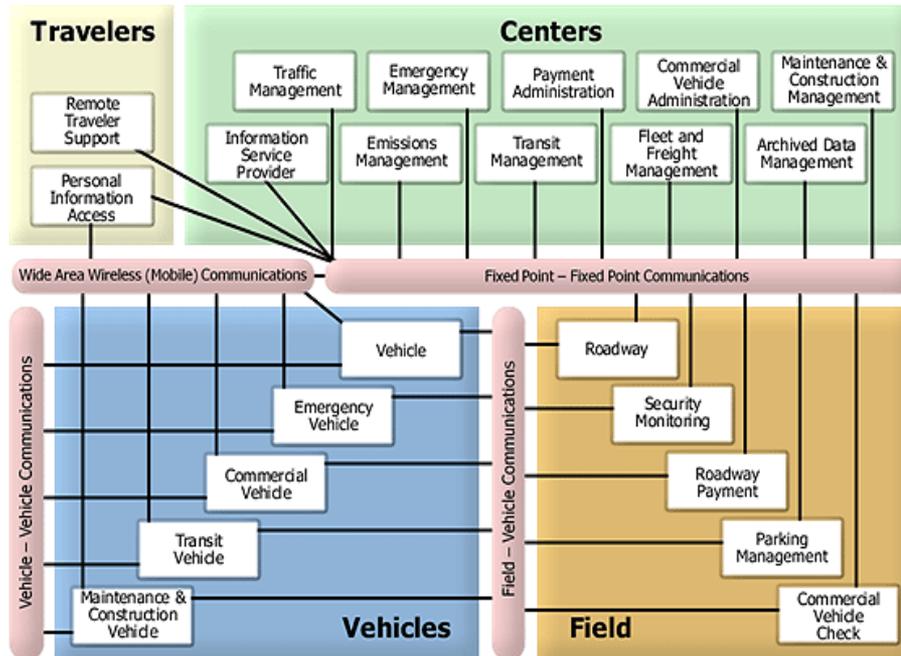


Image Source: Wikipedia



ITS National Architecture

- <http://www.its.dot.gov/arch/index.htm>



- Broadcast and Peer-to-Peer data exchanges
- Enable Big Data
- Multiple wireless communication media



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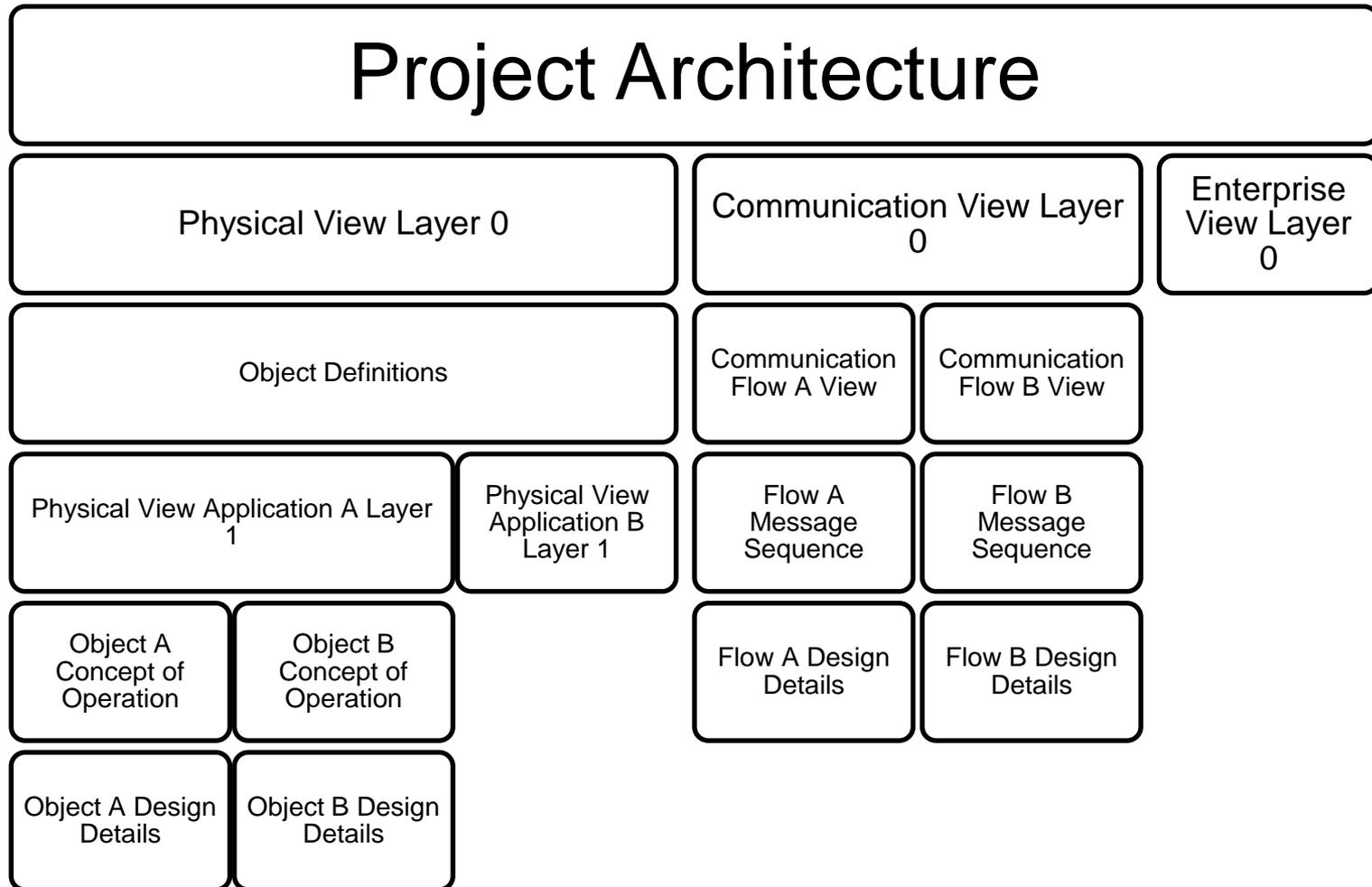
Project Architecture

Complete Architecture shown in a set of views

- Physical view(s) [**THINGS**] – overviews and specifics of objects for each application
- Enterprise views [**PEOPLE**] – includes installation, operations, maintenance and certification diagrams for each physical diagram
- Communication views [**INFORMATION**] – one for each information flow (interface)



Southeast Michigan Project 2014 – Document Tree



Tool Demonstration

