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An Amateur Radio Digital Network for Central Virginia

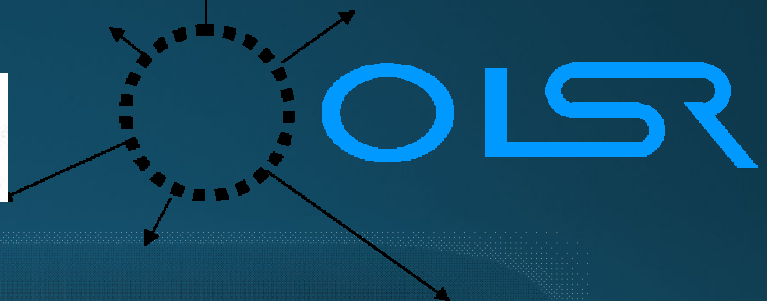
12 January 2016

Design Principles

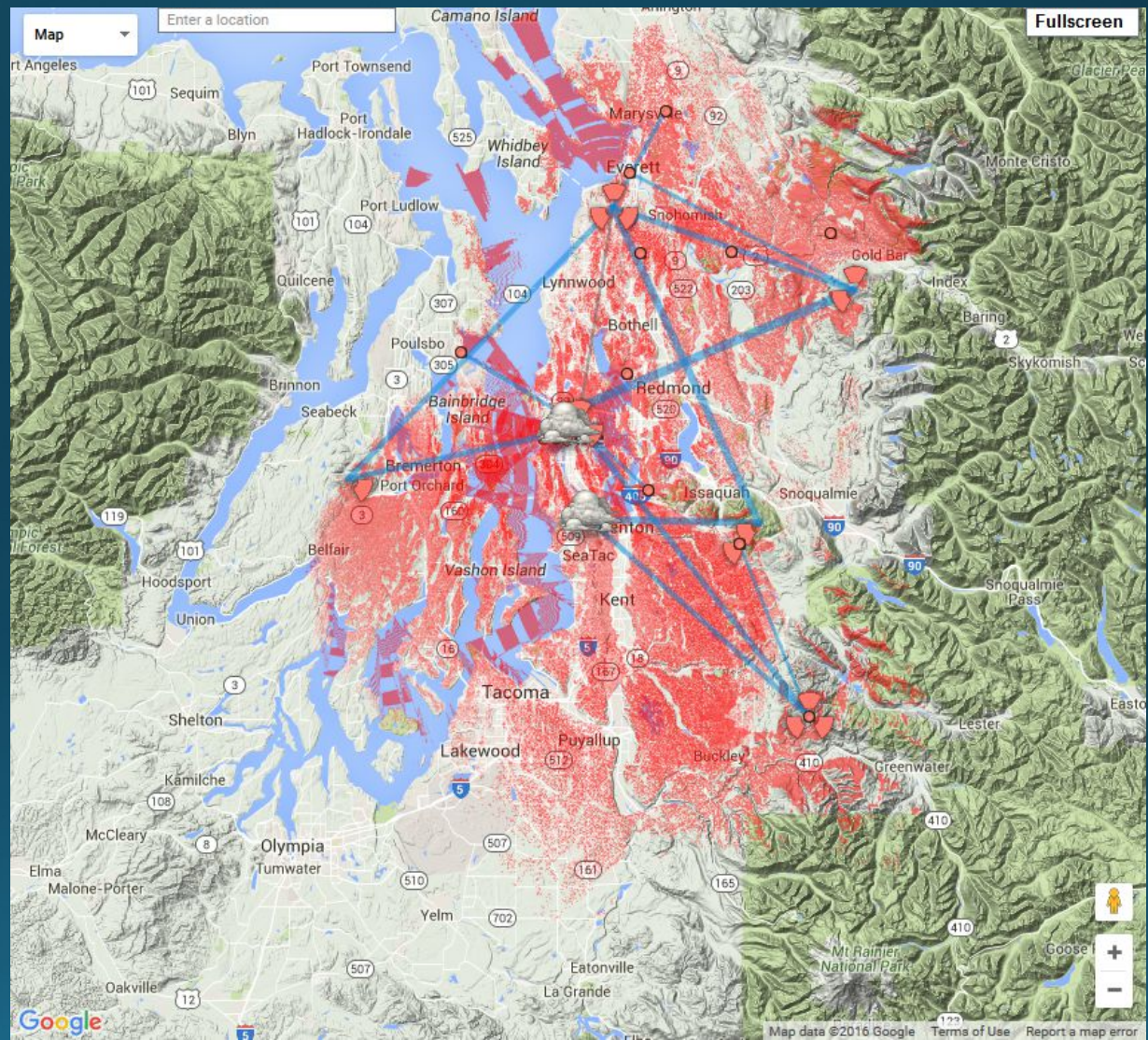
- Minimal central planning, but reliance on standards for interoperability
- Distributed deployment, minimizing single points of failure
- Ability to continue operations when large-scale infrastructure such as electrical power and the Internet fail
- Ability to operate wherever needed on short notice

Keep the best of what has gone before in
amateur radio emergency communications

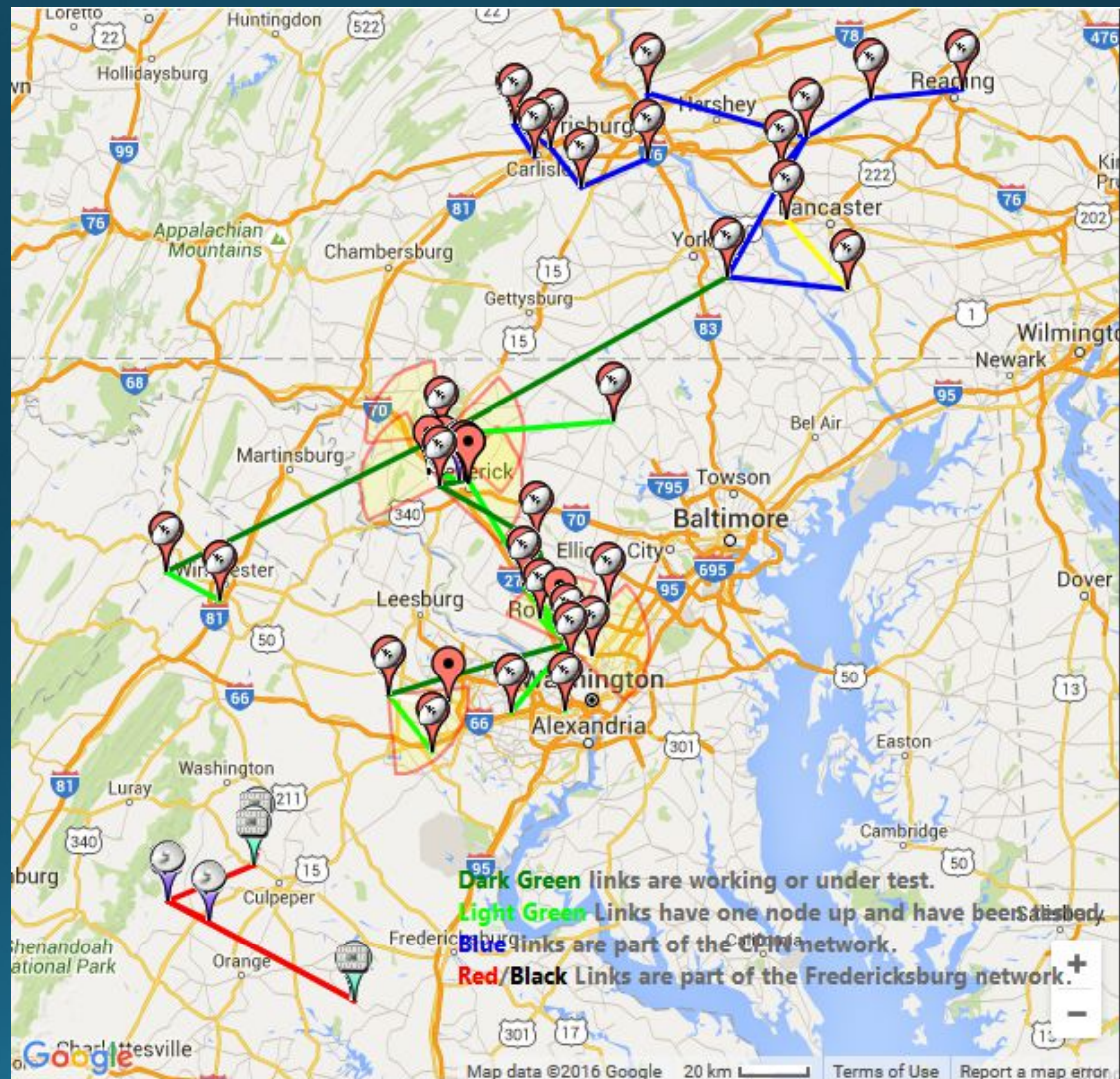
Build on the pioneering work of those hams
already working in this field



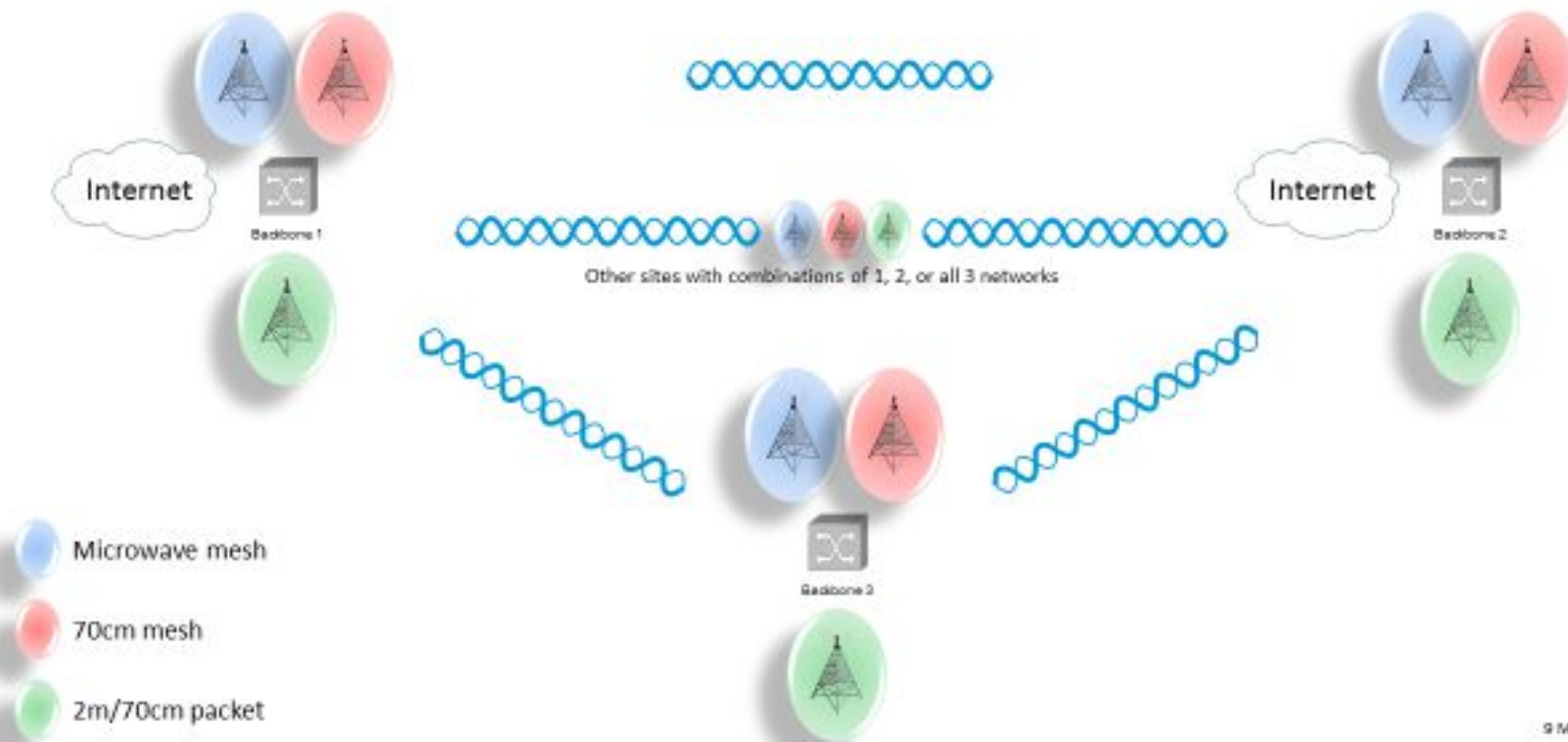
HamWAN



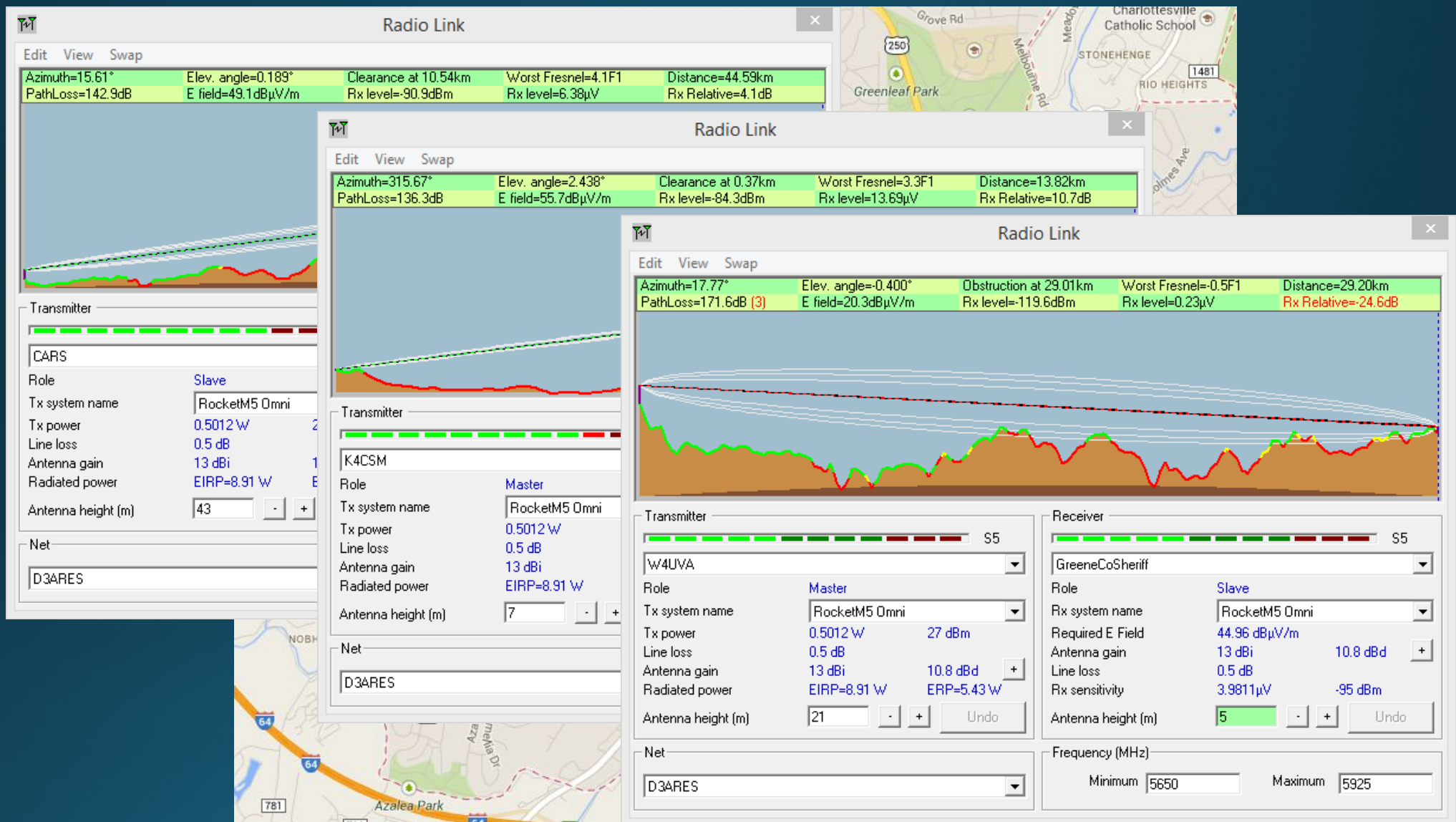
Mid-Atlantic IP Network (MAIPN)



Proposed Central Virginia Amateur Radio Digital Network



9 May 2014



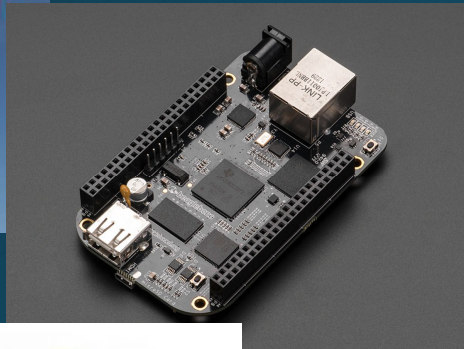
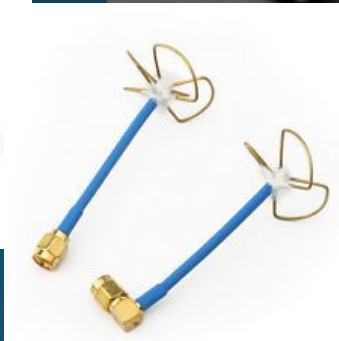
Lessons from the Airport Exercise 2014



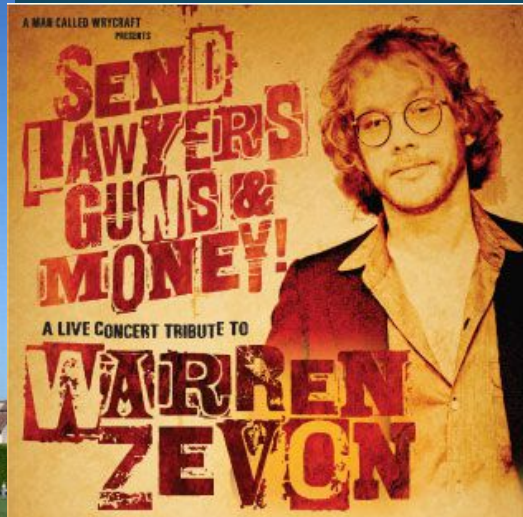
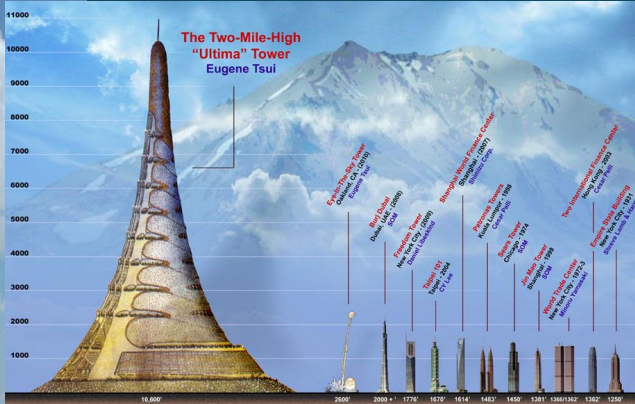
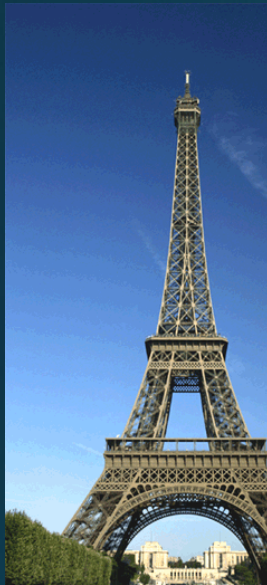
We were able to set up and operate two field microwave nodes very quickly, however...

Line-of-sight: it's not just a good idea, it's the law!





What is needed to move CVADN forward?



€ EU: Euro	\$ US: Dollar	¥ China: Yuan	¥ Japan: Yen
DM Germany: Deutsche Mark	Fr France: Franc	£ UK: Pound	£ Italy: Lira
R\$ Brazil: Real	C\$ Canada: Dollar	₽ Russia: Rouble	₹ India: Rupee

Thanks for your attention and participation!

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