NextGEN
FAA

Delivering NextGen

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What is NextGen?

- NextGen represents the transformation of our national airspace system
- It **integrates** new and existing technologies, procedures and policies

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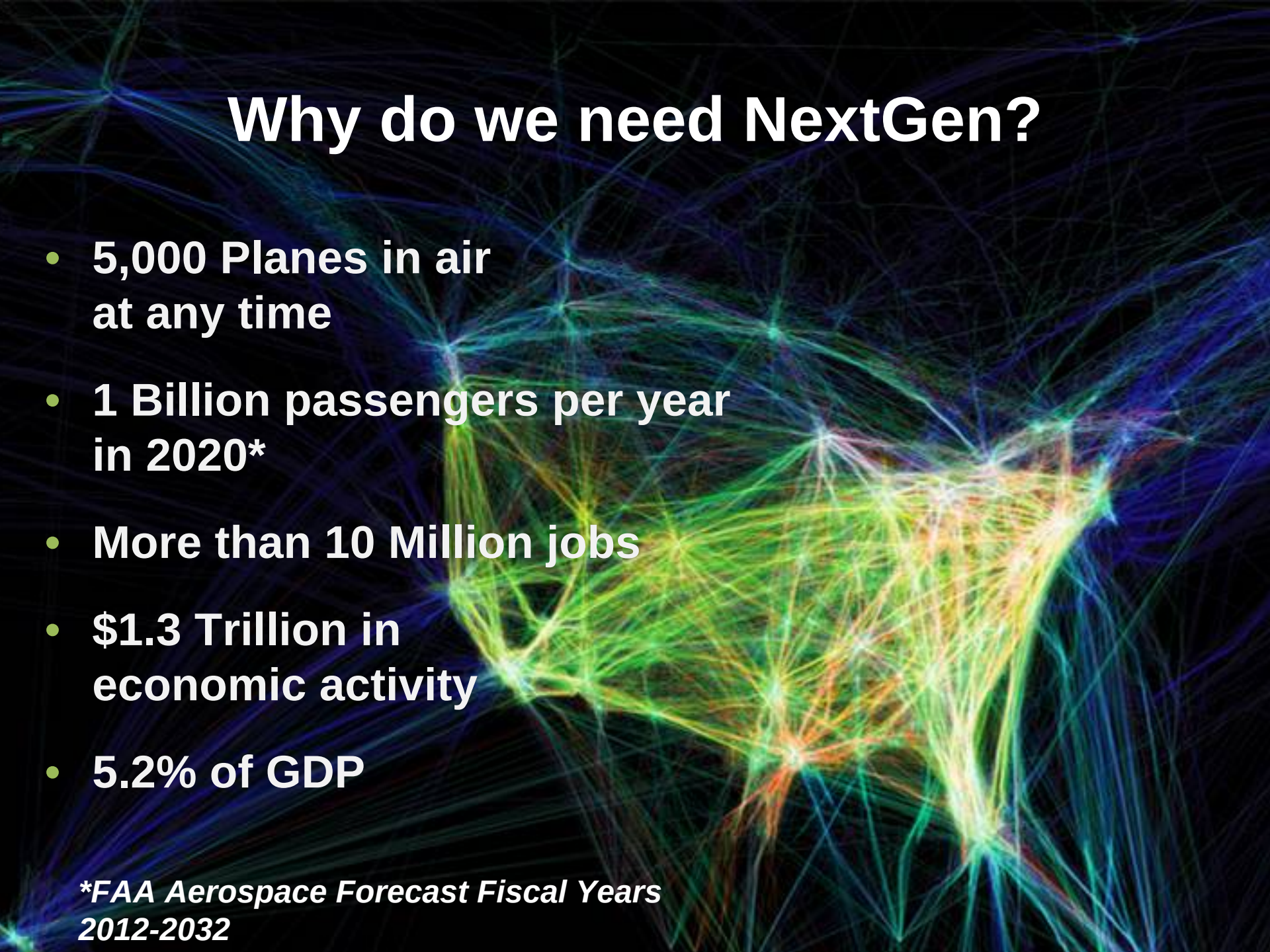
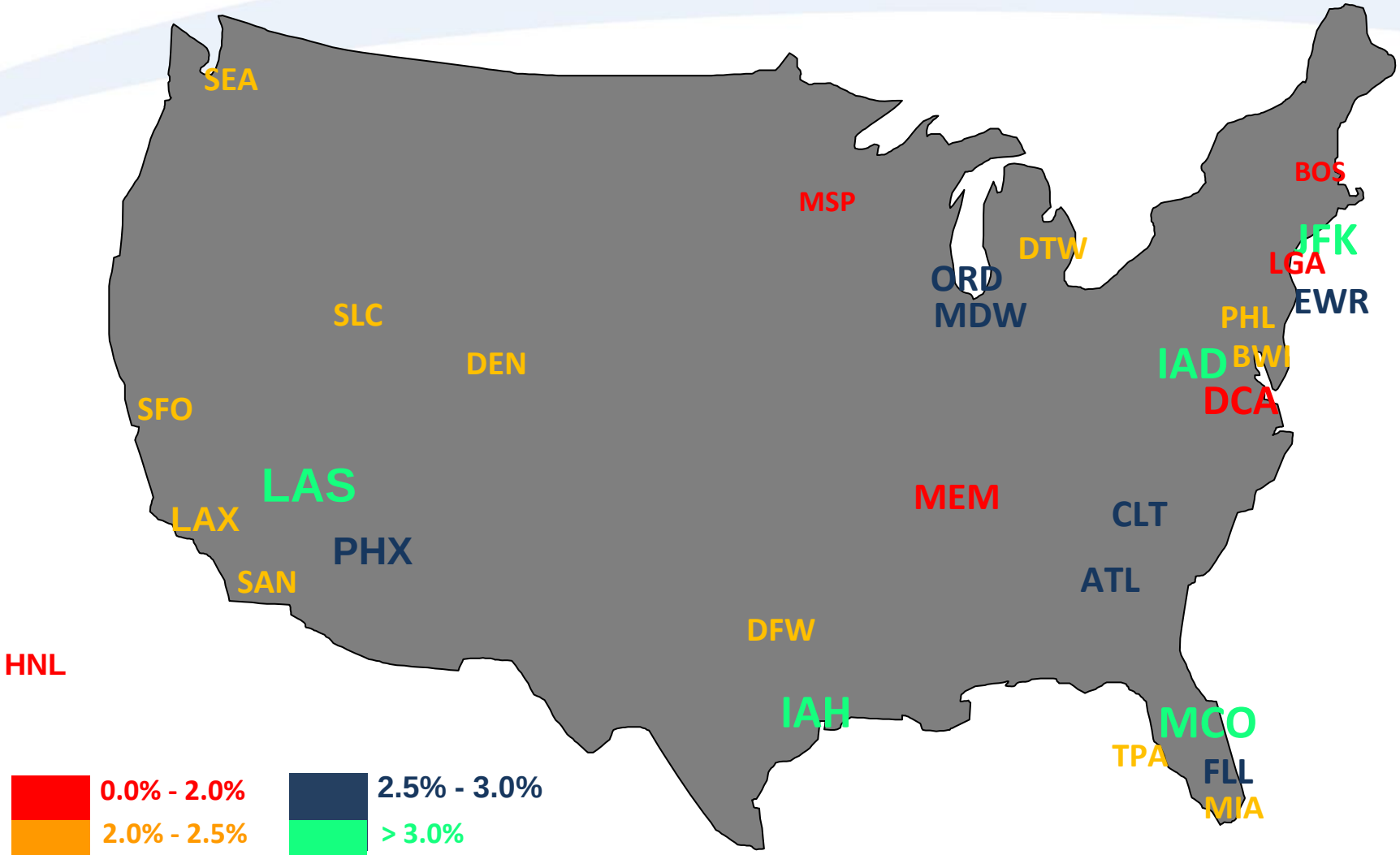
Why do we need NextGen?

- 5,000 Planes in air at any time
- 1 Billion passengers per year in 2020*
- More than 10 Million jobs
- $1.3 Trillion in economic activity
- 5.2% of GDP



**FAA Aerospace Forecast Fiscal Years 2012-2032*

Core 30 Airports: Passenger Growth



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What do we need?

An airspace system that will:

- Ease congestion and offer enhanced efficiency to match demand while ensuring safety
- Reduce impact on the environment and without impacting aviation's contribution to our economy
- Maximize the use of today's technology, while setting the stage for the next generation of technologies and procedures

NextGen is…

Economic Impact

Making it **More Efficient** - delay reductions derived from NextGen capabilities will provide $24 billion in cumulative benefits through 2020.

NextGen is…

Sustainability

NextGen procedures at Seattle will reduced carbon dioxide emissions per year equivalent of taking 4,100 cars off the streets.

NextGen is…

Flexibility & Efficiency

By 2018, implement tools for flexibility & efficiency in:

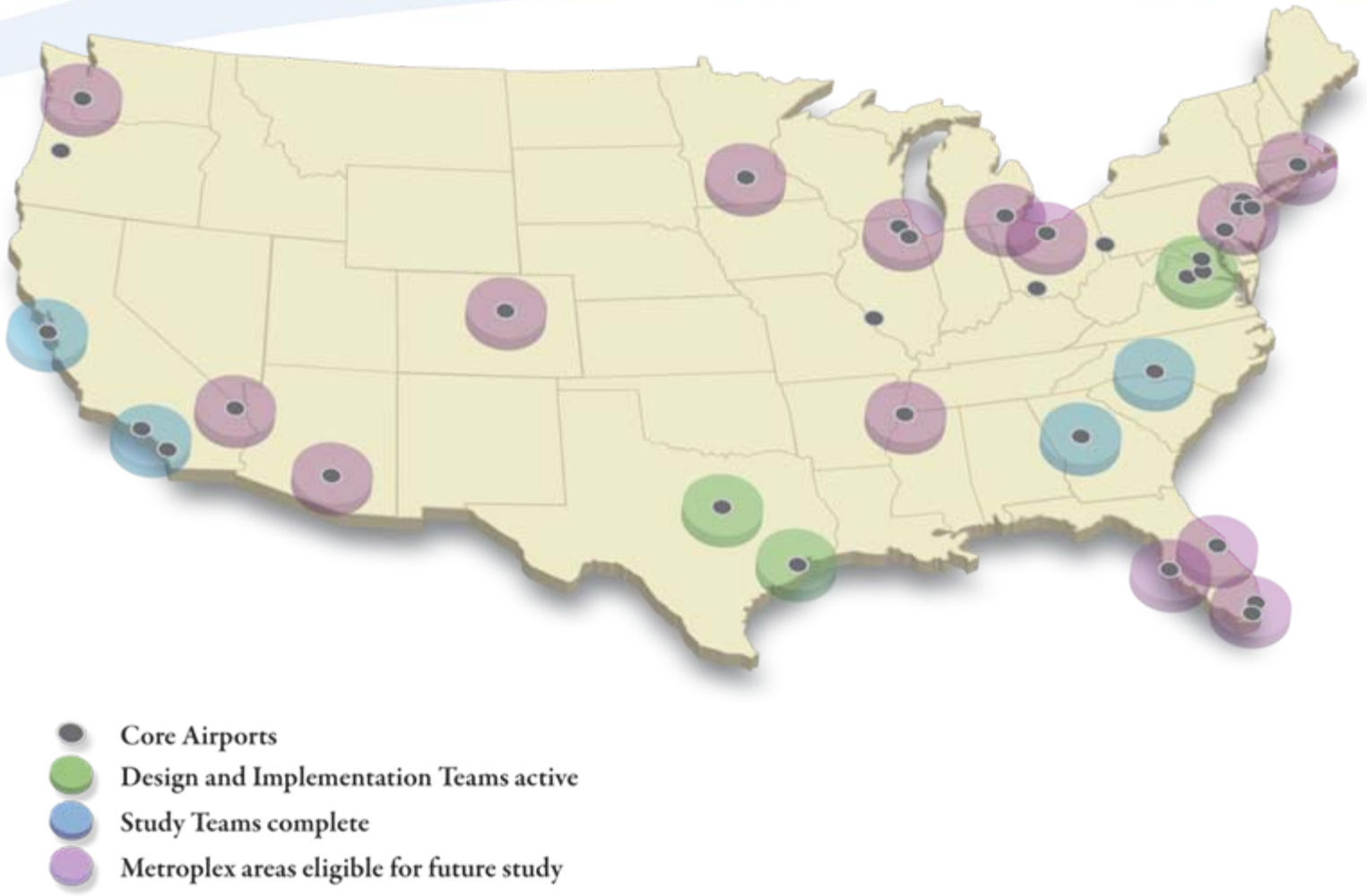
- Aircraft Routing
- Weather Avoidance
- Airspace Utilization

NextGen is…

Safety

Make it **Safer** - satellites provide faster updates with greater position accuracy for surveillance and navigation versus conventional radar.

Metroplex Initiative



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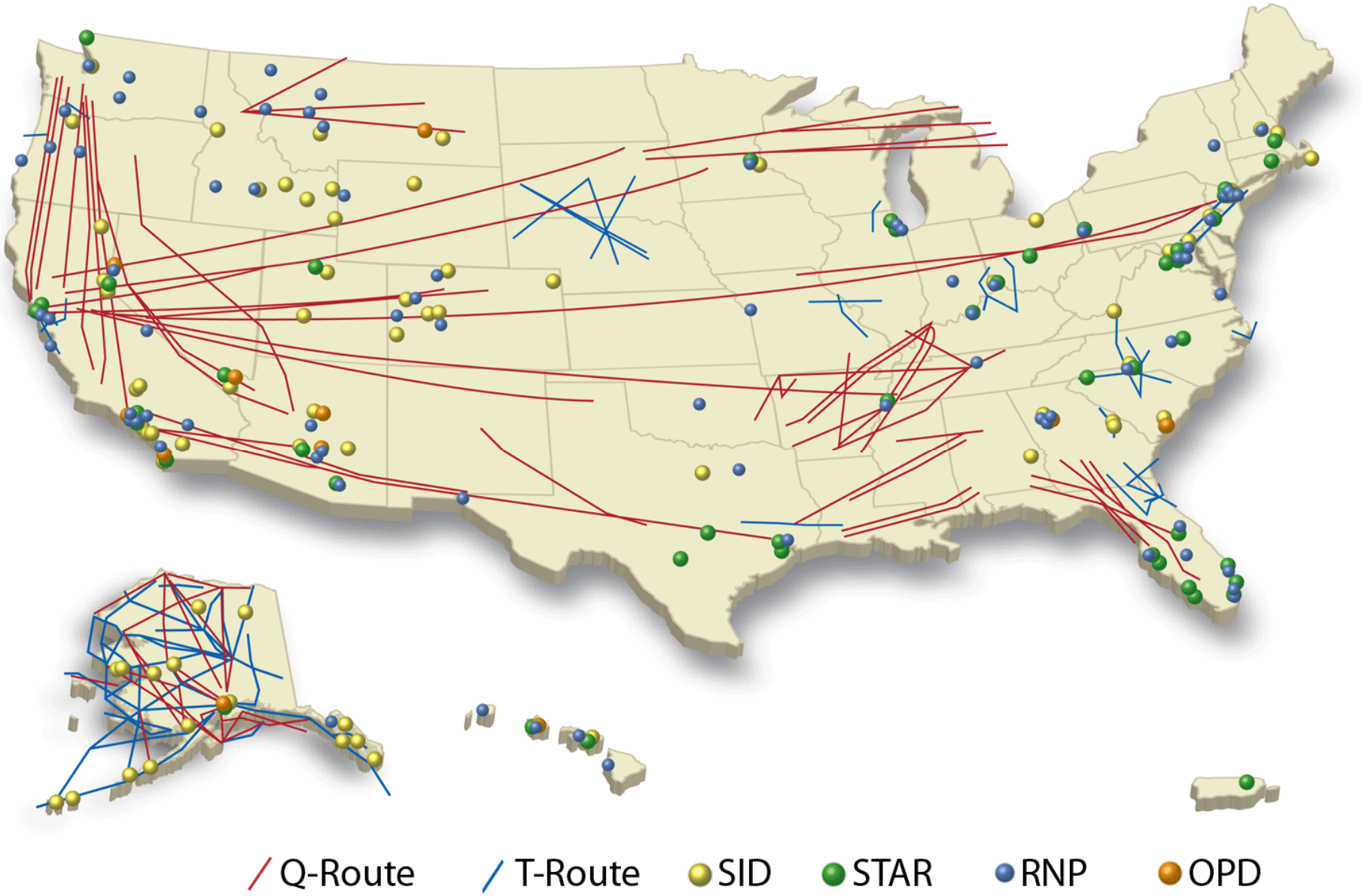
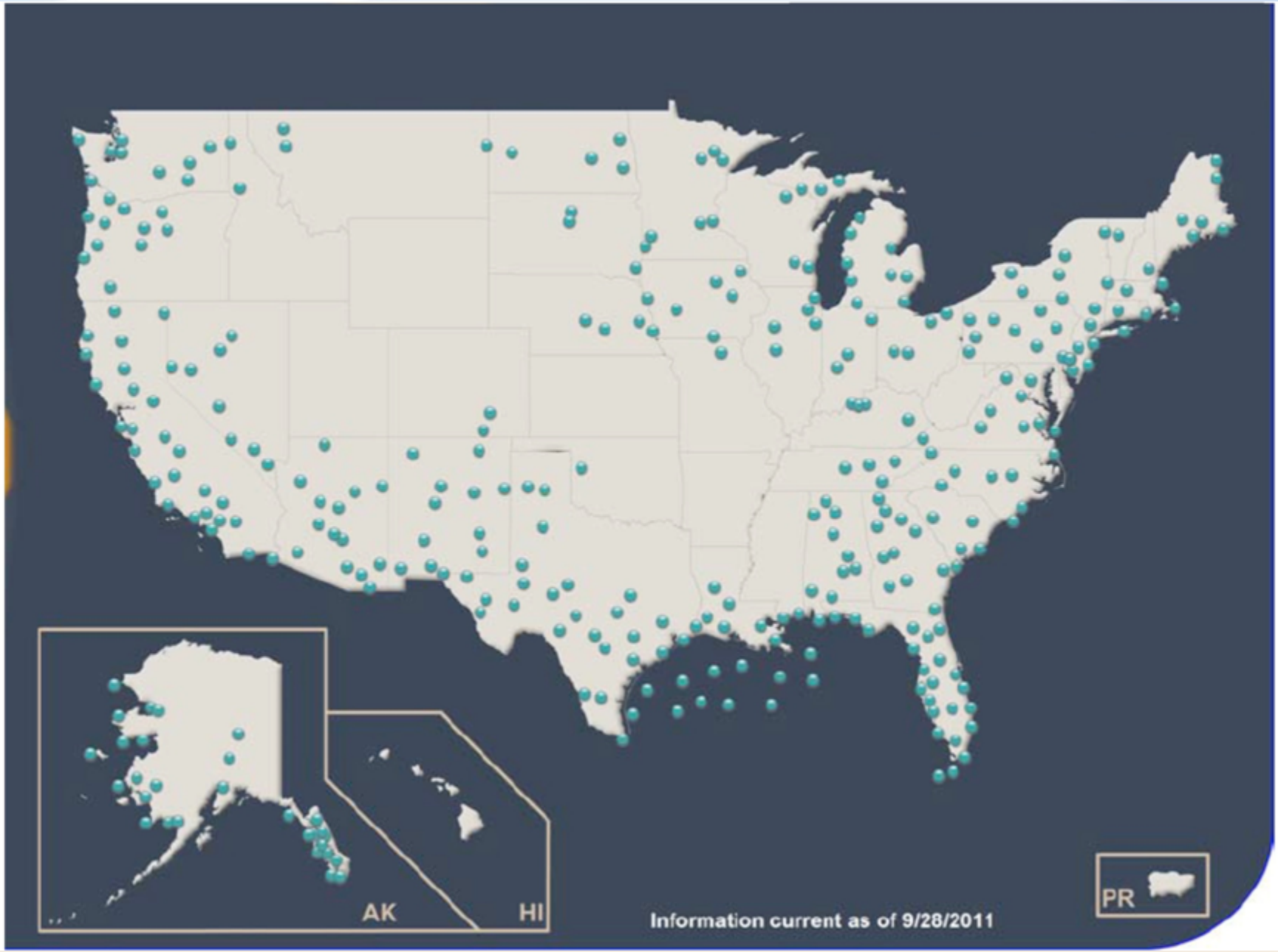
Performance Based Navigation

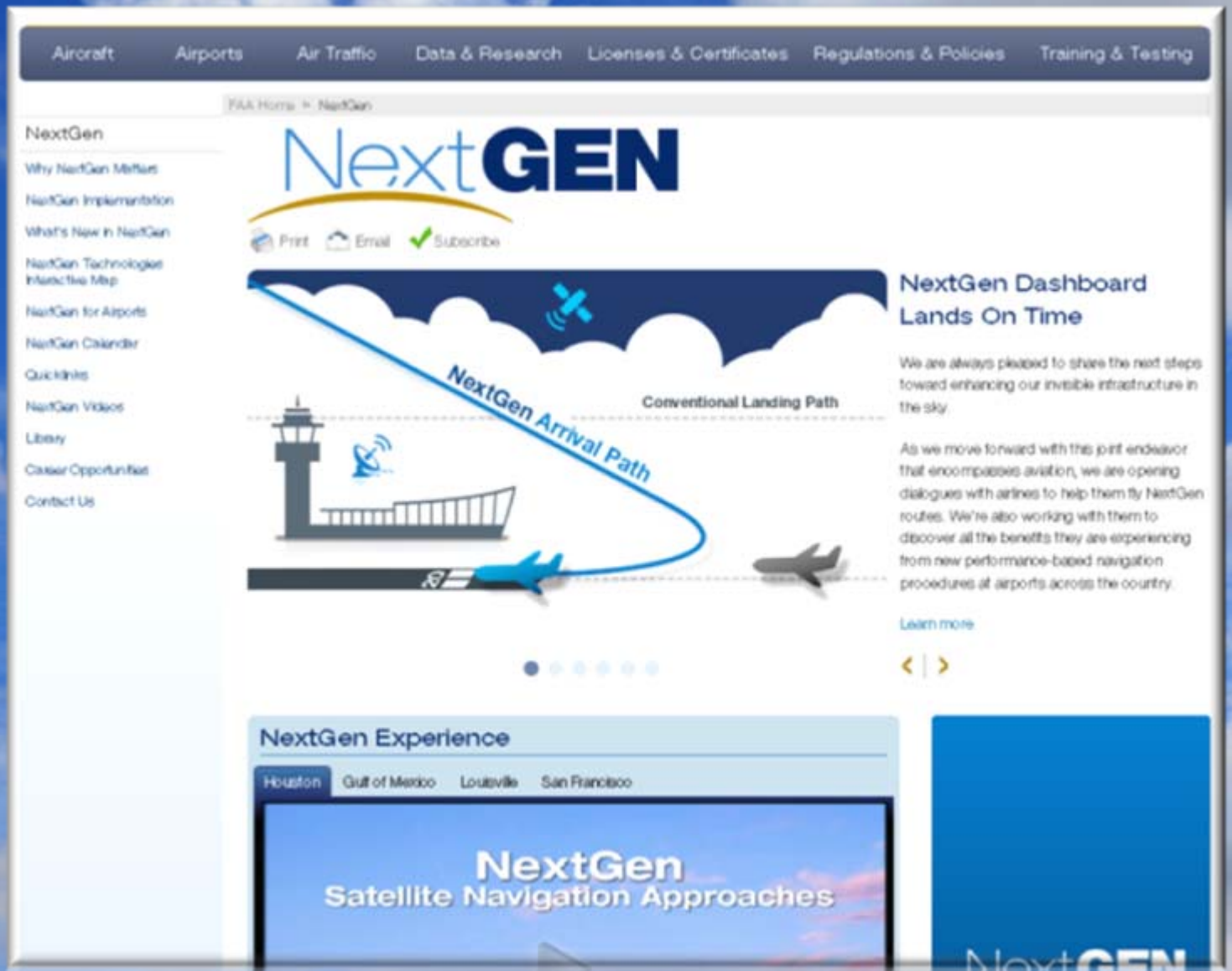


ADS-B Implementation – Radio Stations



A world of flight for a seamless sky

www.faa.gov/nextgen



Questions?

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