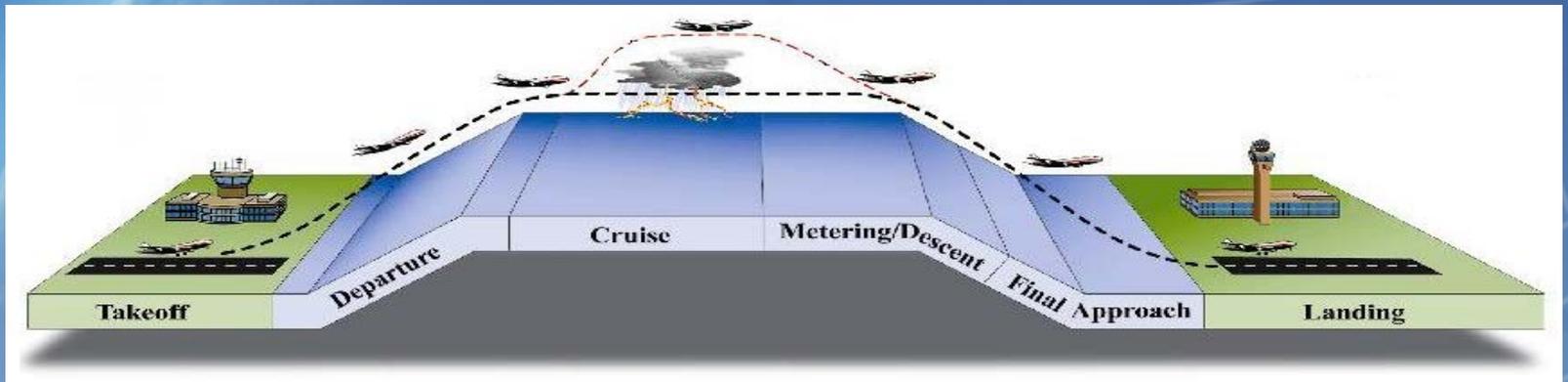


NextGen



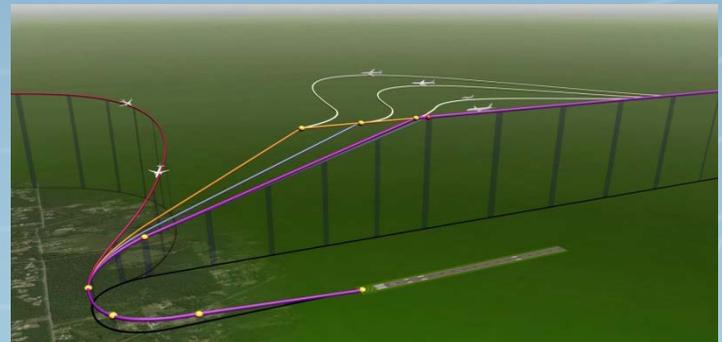
Planning and Tactical Challenges to Implementation

What can we expect from NextGen?

- ❑ In addition to replacing aging ATC System infrastructure and creating significant new capabilities; NextGen is also a long term operations system integration project that creates many new interfaces and touch points with non-federal systems.
- ❑ As with every systems integration effort, implementation strategies need to address maximizing benefits derived from having integrated the new systems and infrastructure.

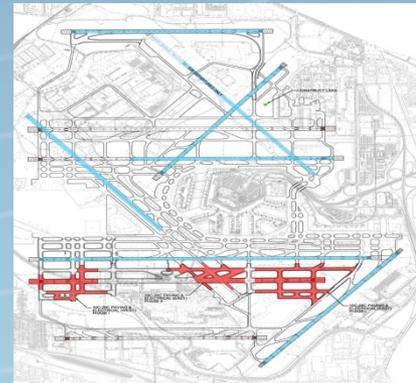
Airports and Operators Investment

- NextGen systems enable capabilities that require airport and operator investment
 - Timing of the investment decision is often more critical than the investment itself
- Investment decision hurdles and payback requirements may not be structured to respond to infrastructure level opportunities



Airport Planning Challenges

- ❑ The NextGen Implementation Plan (NGIP) timelines are not necessarily “investment optimized” for airports
- ❑ Basic, “near term” NextGen capabilities have been identified. But the full impact of NextGen has not been determined.
- ❑ Airport development timelines are long and assessing the impact of NextGen on alternatives is challenging



Operator Challenges

- ❑ **Operator Challenges go beyond equipage and investment decisions**
 - **Working together with a new set of constituents**
 - **Longer (than expected) development timelines**
 - **NextGen engineering requirements continue to change**
 - **Harmonization of standards, process and procedures is a work in process for international operators**

So...

- ❑ **Building NextGen does not implement nor fully integrate NextGen**
 - **Absent the financial challenges of building and equipping for NextGen, integration and actual implementation are still huge challenges**
- ❑ **The planning processes of airports, operators, and other constituents are not necessarily in harmony with NextGen**