



Summary of Phase II for Aircraft Sequencing and Spacing Optimization

1. Title of Procurement

Aircraft Sequencing and Spacing Optimization

Task 4 Modification 1 – Flight testing. (Phase II)

2. Program Office and Point of Contact

NextGen Institute, Daniel F. Cumberland, Deputy Executive Director, 202-220-3357, dan.ctr.cumberland@faa.gov.

3. Total Estimated Value

Phase II has a value of \$250,000.00 and will be a firm, fixed price contract.

4. Description of Supplies/Services

Phase 2 builds upon the efforts and products of Phase I, and shall include four demonstration flights using emerging technologies. Phase 2 is comprised of several subtasks:

Task	Deliverable
1	Report on Results of Noise Modeling
2	Draft Test and Analysis Plan
3	Finalized Test and Analysis Plan
4	Report briefing results of demonstrative test
5	Draft Report detailing finds and implications for the NextGen
6	Finalized Report detailing findings and implications for the NextGen

The investigations should culminate in demonstration flight tests at a major airport. These flight tests should use TAP approaches in combination with continuous aircraft communications and timing and sequencing tools to quantify the fuel burn and emissions benefits, terminal airspace noise reductions, and potential airport capacity increases resulting from shorter flight tracks that can be achieved in the short- to medium-term through implementation of current and emerging technologies.