



Near Term Operational Change

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Wake Turbulence Program Manager

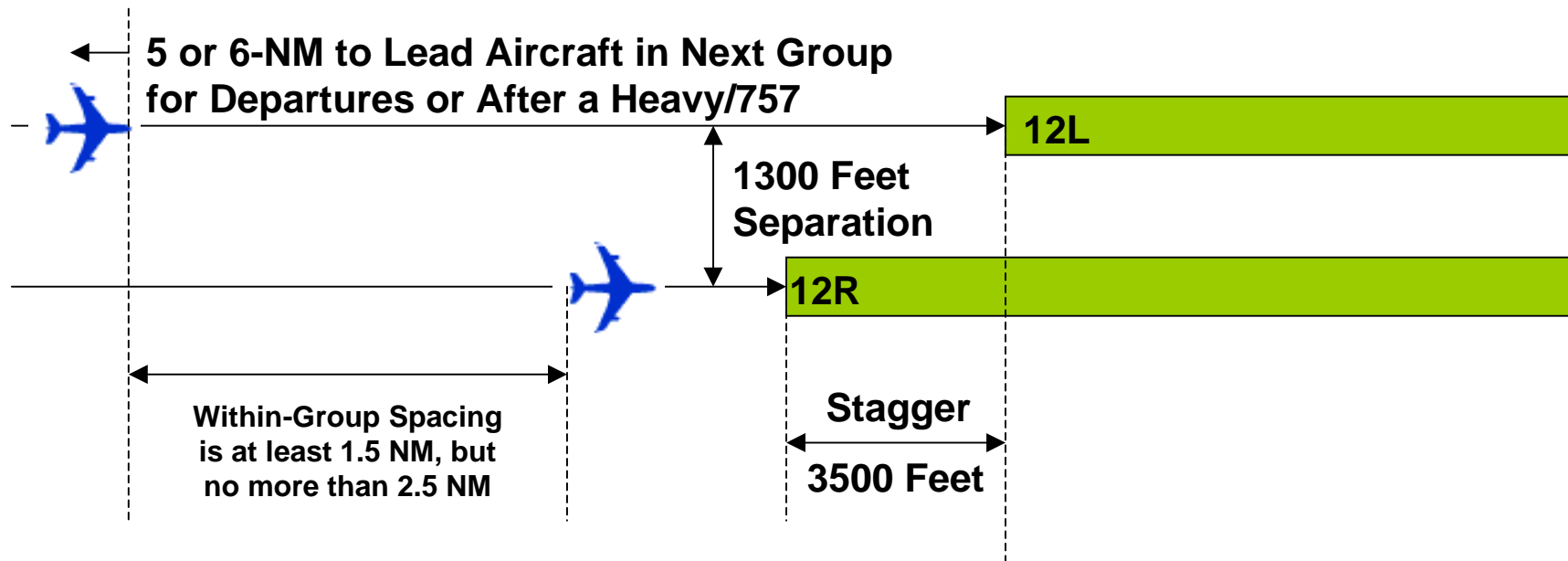
March 2005

FAA FY05 Work Program

- Continue data collection at STL
 - Aircraft wake tracks, airport winds, develop technique for measuring wakes on departures and further up glide slope
- Completion of analysis of STL data for waiver request
 - Updating ASAT Model with STL wake data analysis products
- Developing waiver for use of STL 12 R/L CSPR in IMC conditions
- Developing plan for analyses/data collections required for use of Modified CSPR Approach Procedure application at 6 other “top-35-delayed-airports”
- Continuation of work on developing/validating wind dependent wake separation procedures (involves technology application)
- Enhancements to pulsed LIDAR
- Plan for data collection at subsequent airport

STL CSPR Waiver Proposal

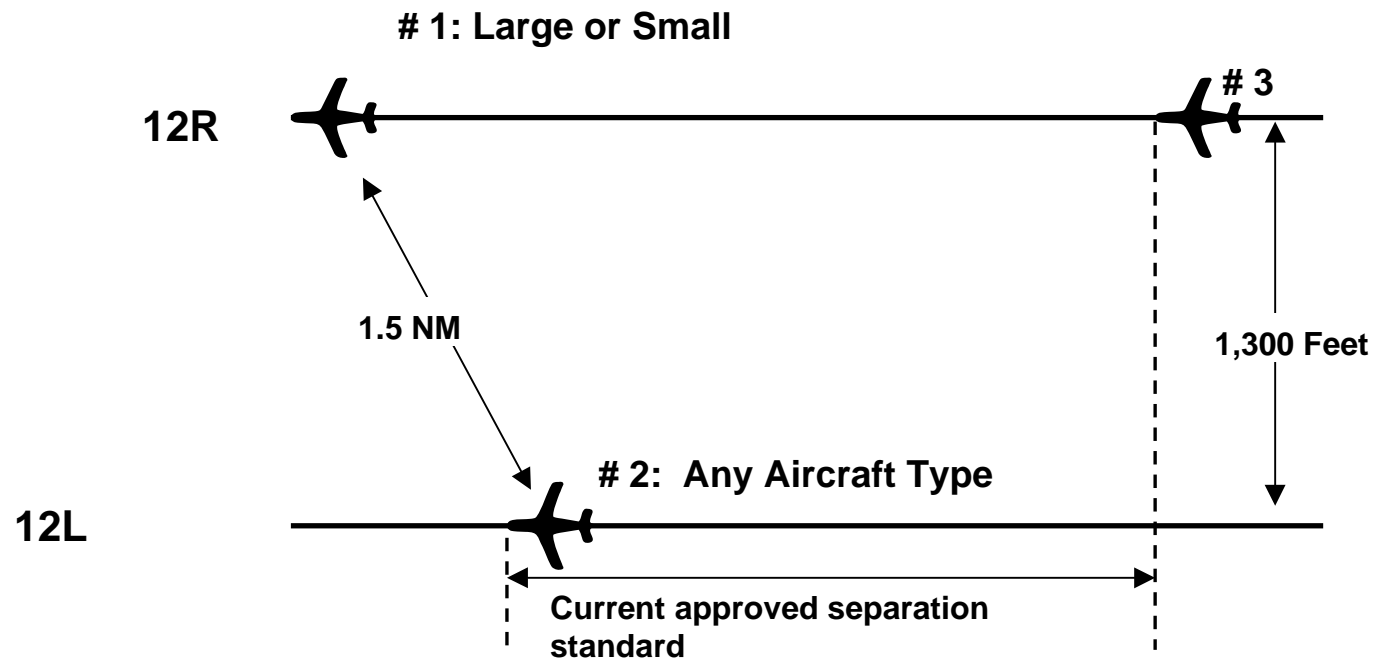
Staggered CSPRs at STL Proposed IMC ≥ 1.5 -NM Grouped Arrivals



STL CSPR Waiver Proposal

Parallel Dependent ILS/MLS Approaches

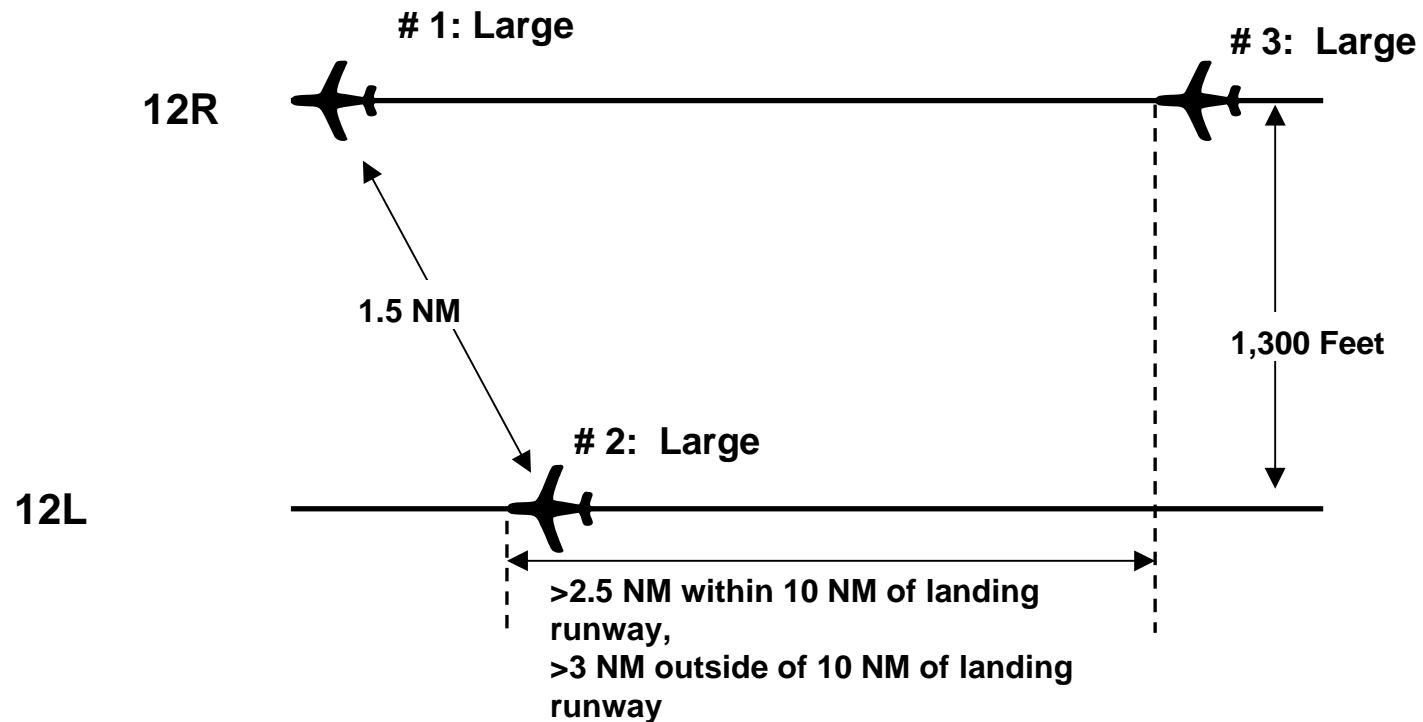
(General Description)



STL CSPR Waiver Proposal

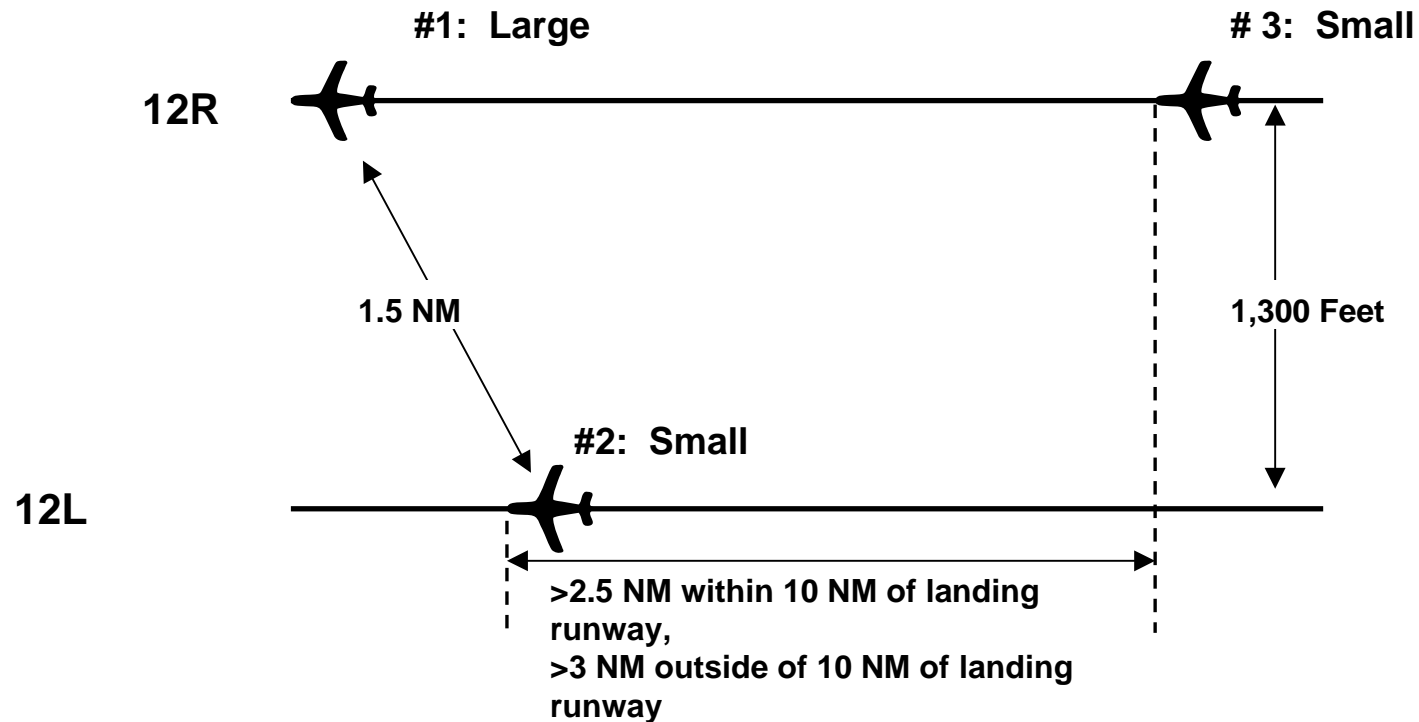
Parallel Dependent ILS/MLS Approaches

(Case: All Larges)



STL CSPR Waiver Proposal

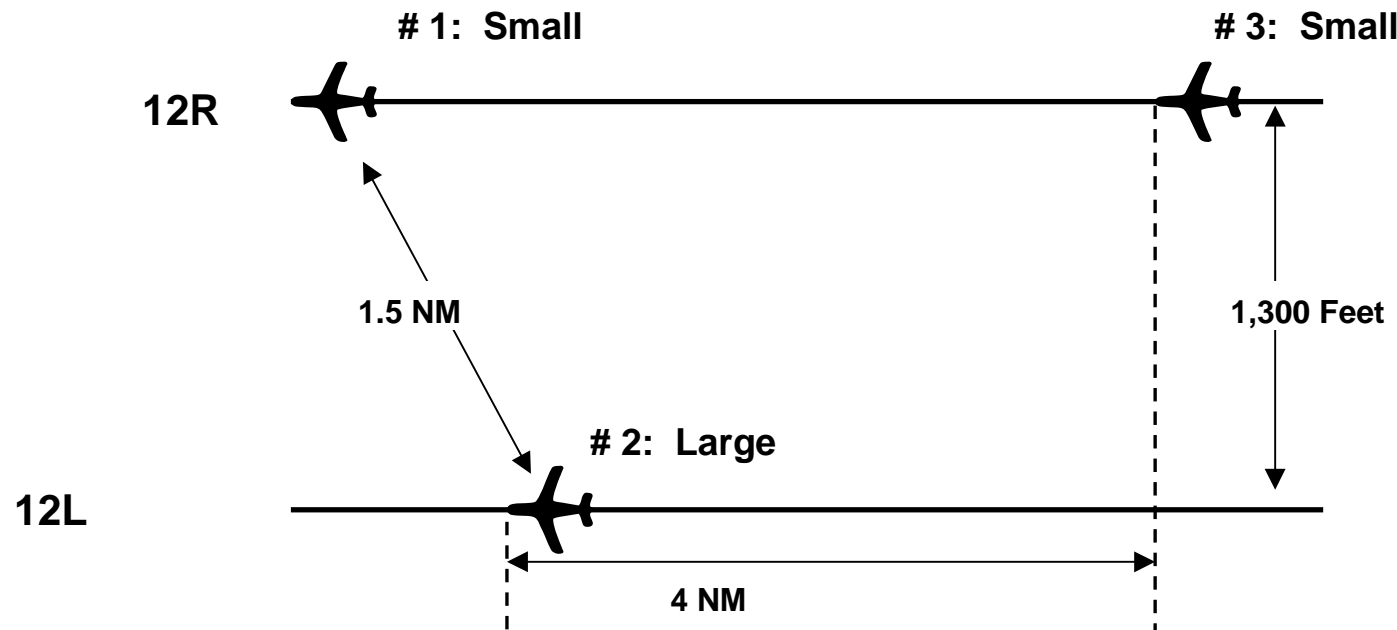
Parallel Dependent ILS/MLS Approaches (Case: Large Leading Small)



STL CSPR Waiver Proposal

Parallel Dependent ILS/MLS Approaches

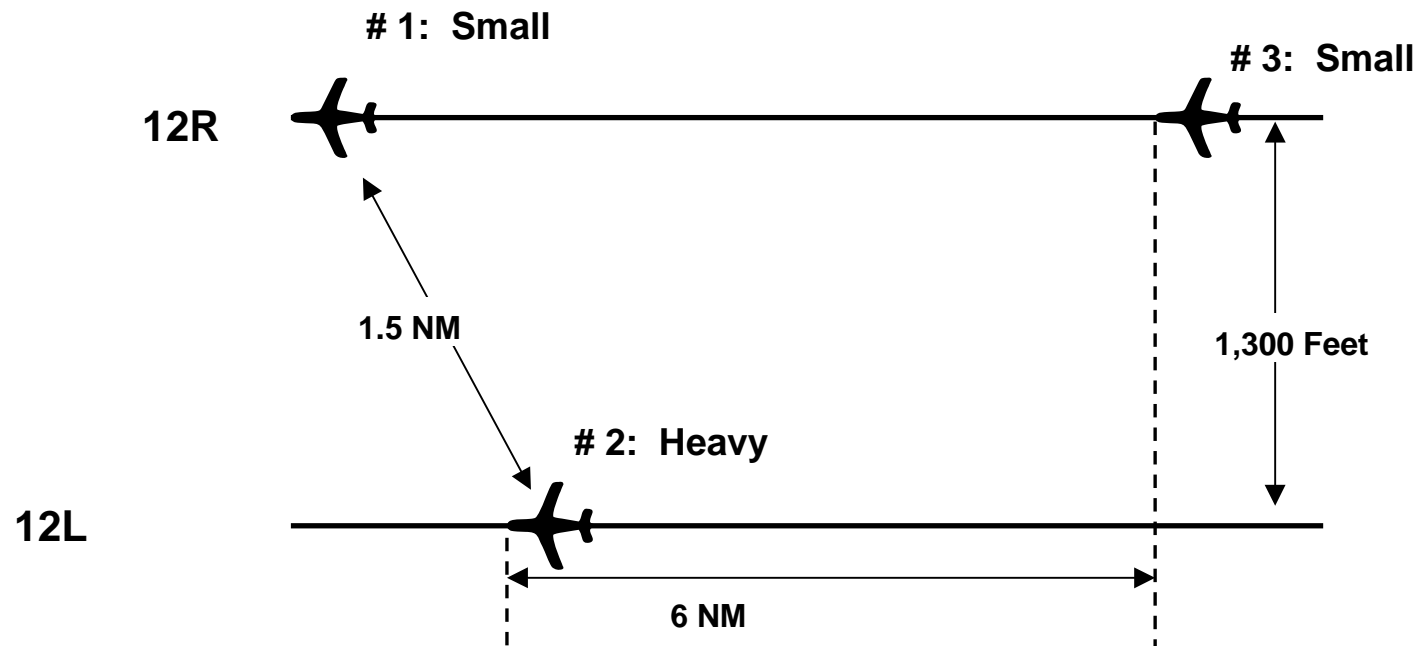
(Case: Small Leading Large)



STL CSPR Waiver Proposal

Parallel Dependent ILS/MLS Approaches

(Case: Small Leading Heavy)





FY06 R,E&D Request

\$2.M President's Budget Request allows for:

- Instrumentation and start of data collection at subsequent airport
- Continued work on developing/validating wind dependent wake separation procedures (work with NASA)
- Developing national changes to application of air traffic control procedures wake mitigation
- Complete concept definition for wake turbulence mitigation procedure for CSPR departures (work in combination with NASA)

R,E&D Program Schedule

Task	FY 05	FY 06	FY 07
One year of CSPR data analyzed at subsequent airport			
Modification of Air Traffic Order 7110.65 (includes initial waiver request for STL)			
One year of wake data collection and analysis initiated at a second subsequent airport			