Figures relating to Intent Reqts.

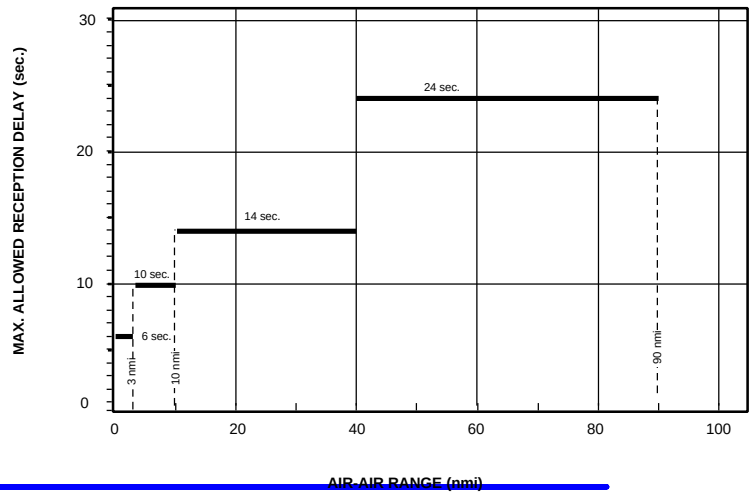
28 Jan. mtg of WG-6, Seattle

William Harman

Reception Time Reqts in the MASPS

Existing MASPS Requirements

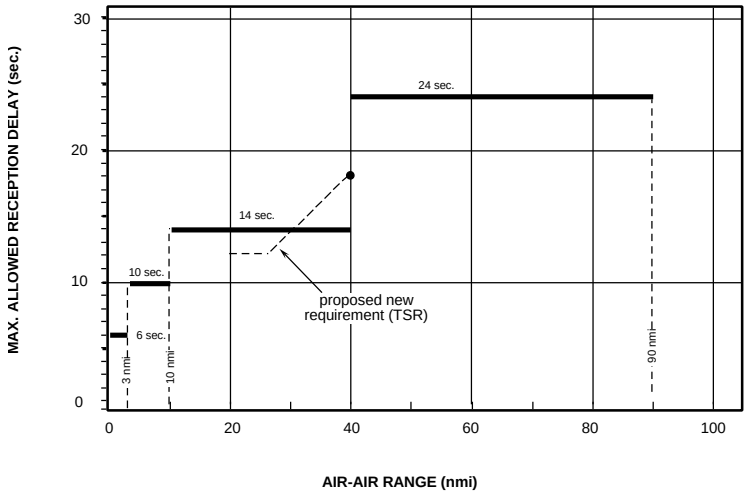
For Intent Reception (allowed delay) (95 percent)



Proposed Change in Timing Reqts.

Change Being Considered

For Intent Reception (allowed delay)



MIT Lincoln Laboratory

WG3-3
Harman 3 Dec. 01

Extended Squitter Transmission Rates

Designed to Implement Surveillance and TSR

25 Jan. 02, W. Harman

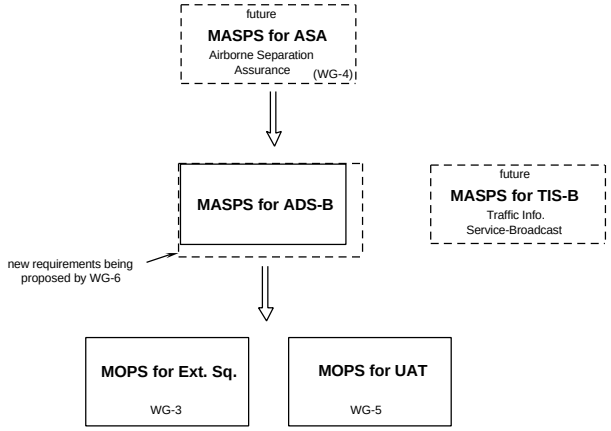
Existing MOPS		Proposed	
Position	2.0 / sec.	Position	2.0 / sec.
Velocity	2.0 / sec.	Velocity	2.0 / sec.
ID	1/2.5 = 0.4 / sec.	ID	1/2.5 = 0.4 / sec.
Status	1/1.7 = 0.6 / sec.	Status	1/1.7 = 0.6 / sec.
TCP	1/1.7 = 0.6 / sec.	TSR	1.2 / sec.
TCP+1	1/1.7 = 0.6 / sec.		
total	6.2 / sec.	total	6.2 / sec.

This is the maximum allowed by ICAO.

MIT Lincoln Laboratory

WG3-4
Harman 3 Dec. 01

SC-186 Working Groups

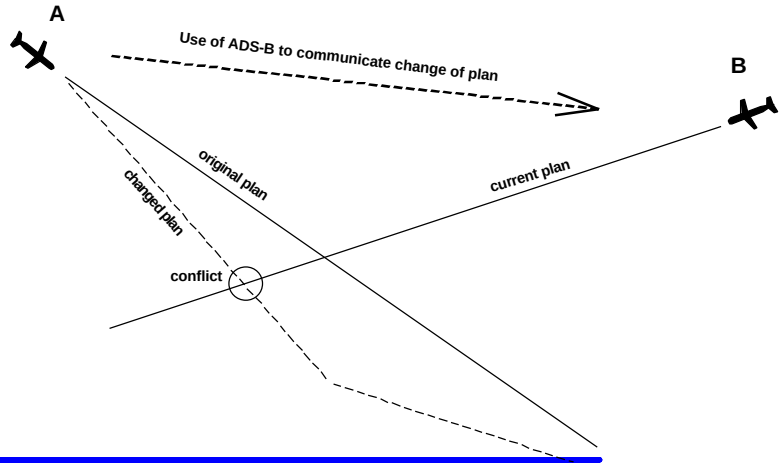


MIT Lincoln Laboratory

WG3-5
Harman 3 Dec. 01

Application of TCR Being Considered

Scenario Used in WP-11-03 to Derive New Requirements for ADS-B



MIT Lincoln Laboratory

WG3-6
Harman 3 Dec. 01

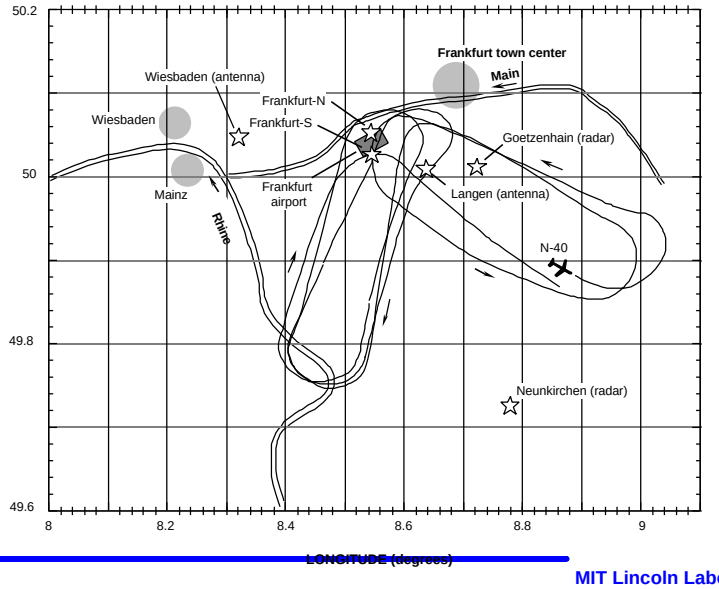
Flight Paths

WG3-7
Harman 3 Dec. 01

MIT Lincoln Laboratory

Oval flight Path

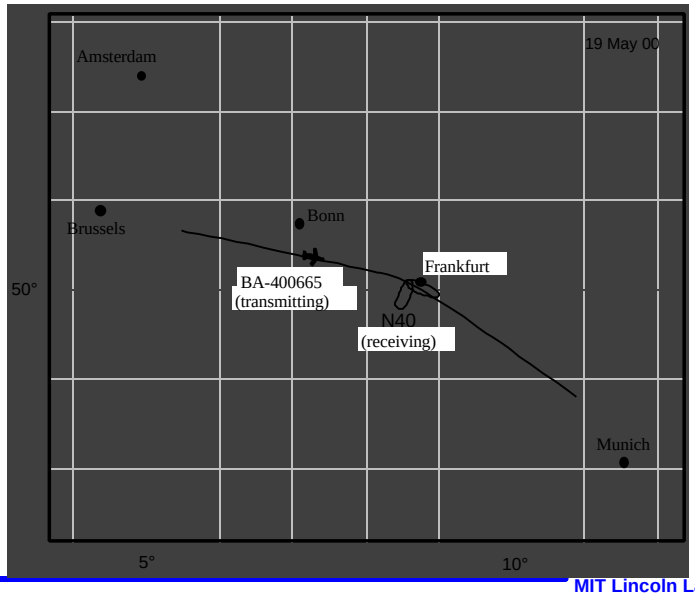
Staying in the Frankfurt Area



WG3-8
Harman 3 Dec. 01

MIT Lincoln Laboratory

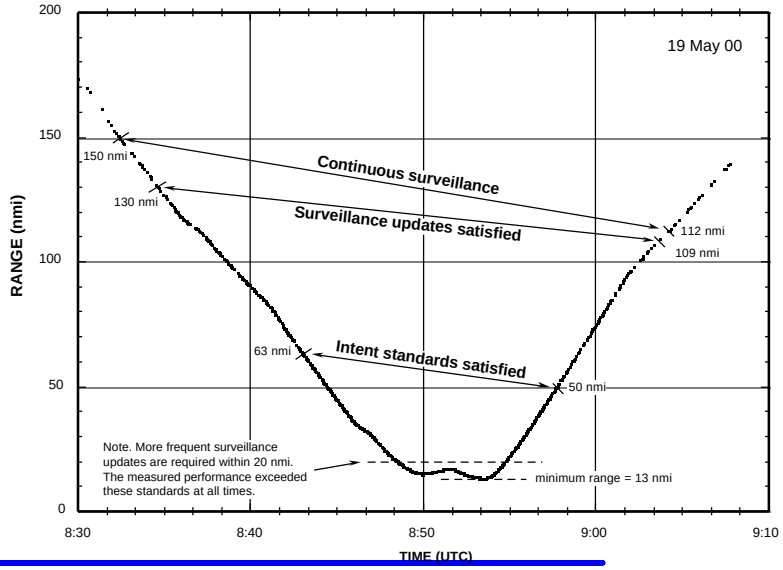
British Airways Aircraft Flying Over Frankfurt



WG3-9
Harman 3 Dec. 01

MIT Lincoln Laboratory

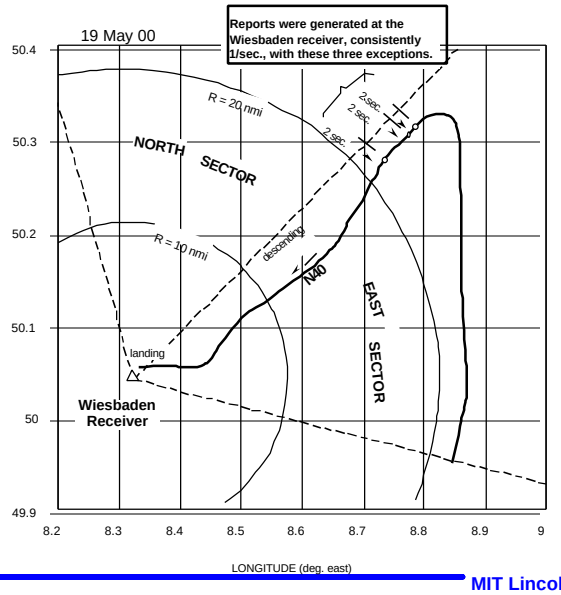
Reception Performance, BA665 to N40



WG3-10
Harman 3 Dec. 01

MIT Lincoln Laboratory

Air-to-Ground Surveillance,
During Landing Approach



MIT Lincoln Laboratory

WG3-11
Harman 3 Dec. 01