

# *LINK 2000+*



## ICNS Conference Washington May 1<sup>st</sup> 2007

Presented by – Martin Adnams  
[www.eurocontrol.int/link2000](http://www.eurocontrol.int/link2000)

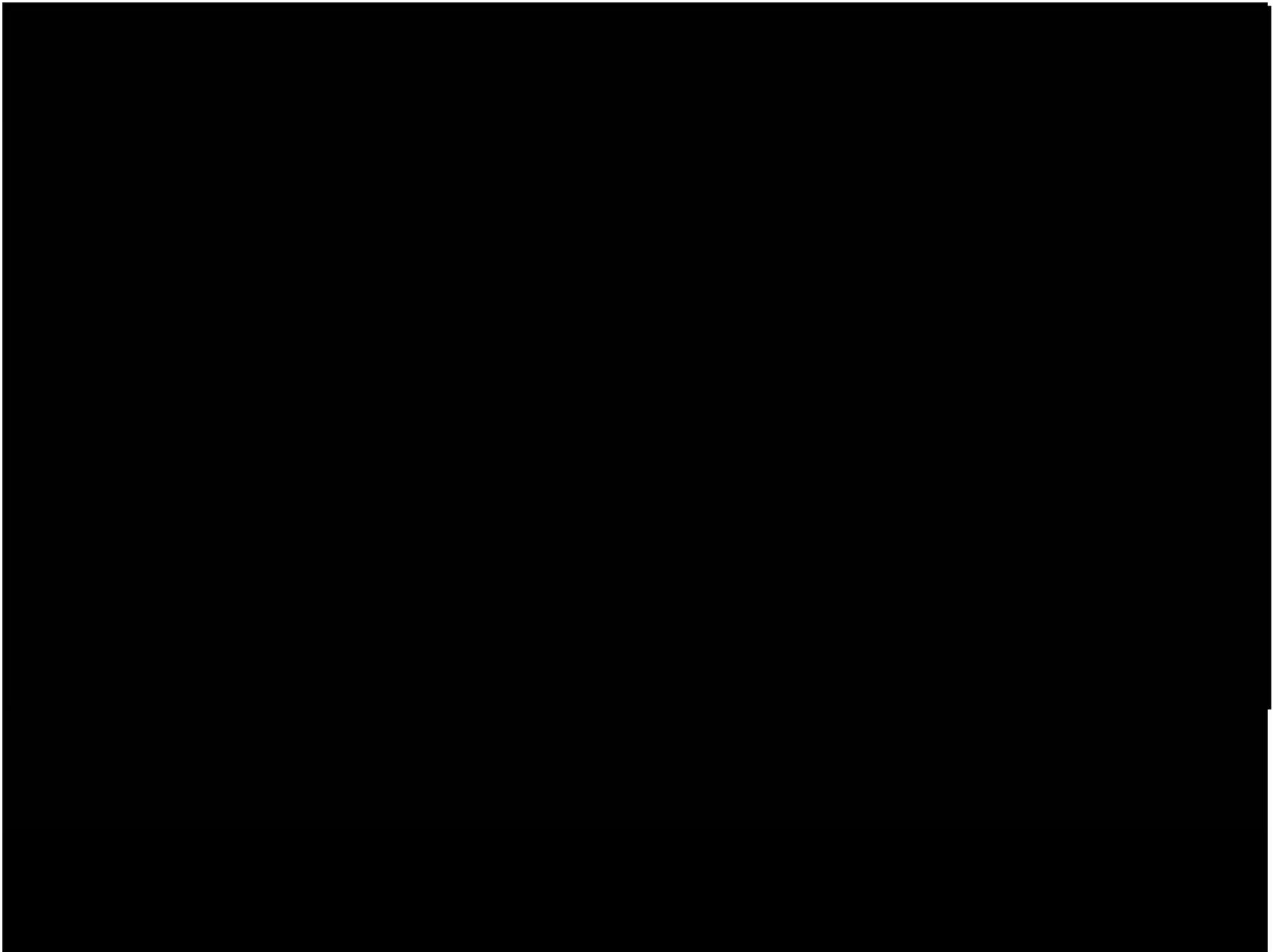
# Why Data Link Now ?

Fewer Misunderstandings  
More Safety

Reduced Controller/Pilot Workload  
More Capacity - Automate Routine Tasks

Kick Start the Future

Let's See it Happen





DVD and LINK Magazine  
Available

DVD also features Detailed  
Air-Ground CPDLC Scenario

# The LINK 2000+ Programme

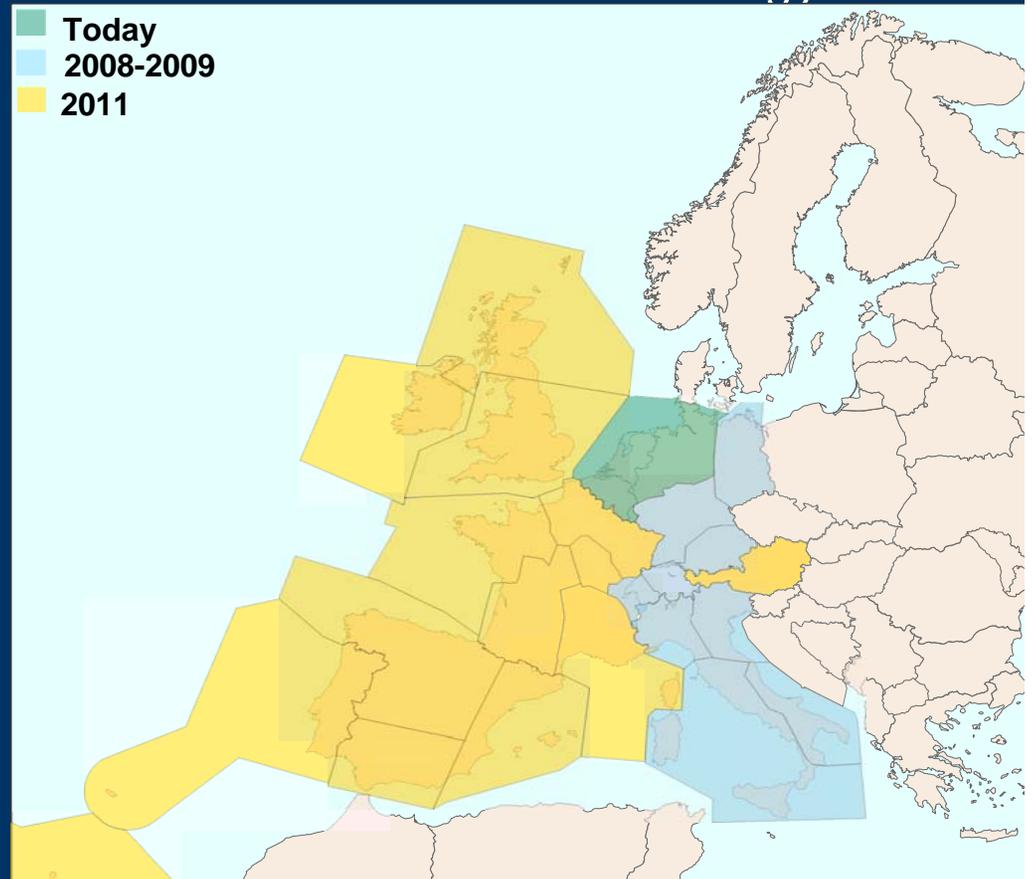
## Programme Objectives

- Implementing En-route CPDLC over ATN/VDL2
- Baseline ICAO standards
- Forward compatible with new services/technology

ACM - ATC Communications Management

ACL - ATC Clearances

ACM - ATC Microphone Check



# 3 Step Approach to Implementation

Pioneers  
Incentives  
Mandate

## 1 Pioneers

- Objective: 100+ aircraft equipped/ MAAS UAC
- Achieved: 350 aircraft recruited/ MAAS UAC operational

## 2 Incentives

- Objective: accelerate Airborne equipage to gain early benefits, return on investment

## 3 Mandatory Implementation (SES IR)

- For Operators and ANSPs
- Objective: more than 75% of flights in LINK airspace by 2014

# Pioneer Success

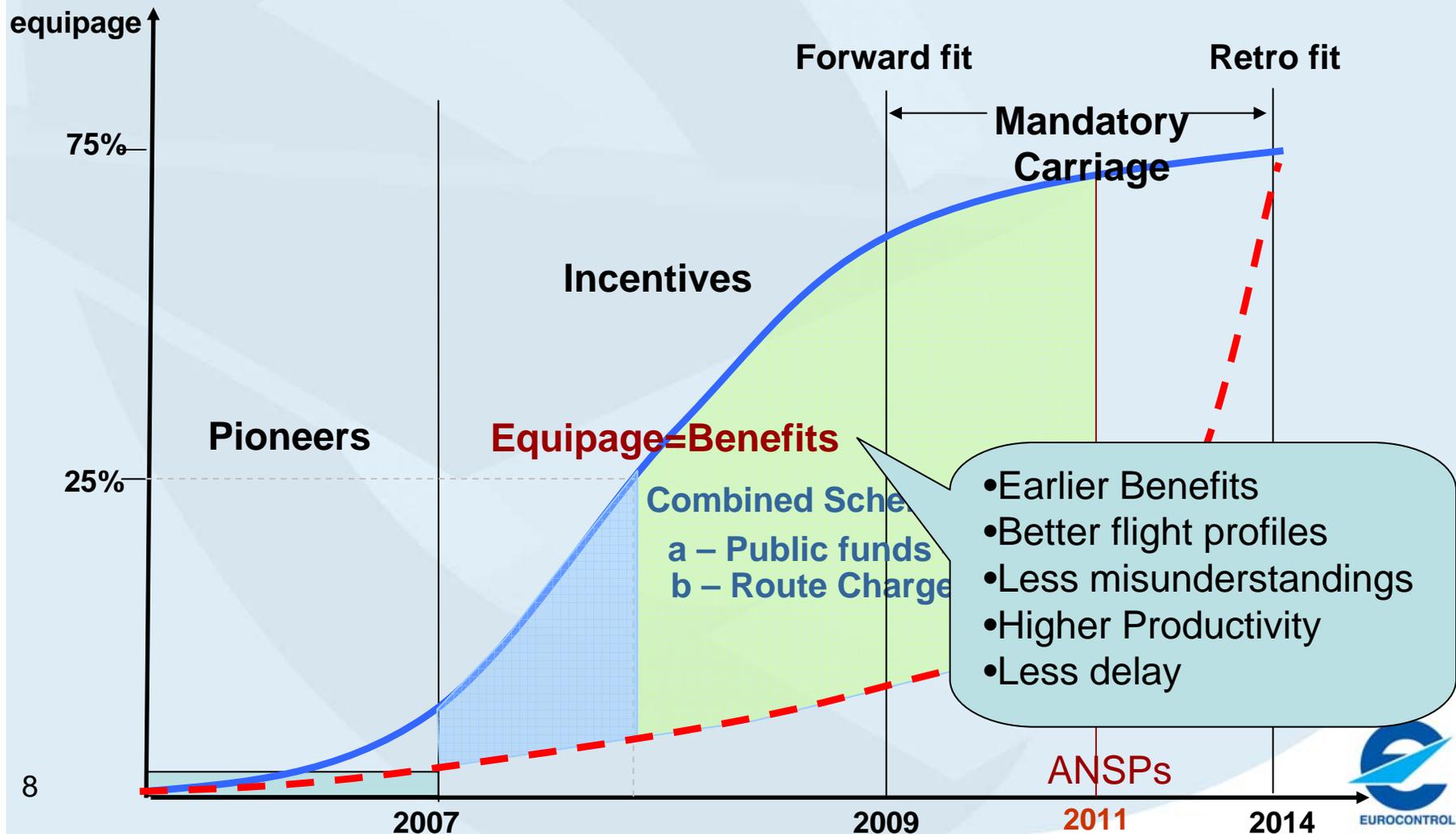


15 Airlines - 350 Airframes

Rockwell, Honeywell and Airbus all Certified

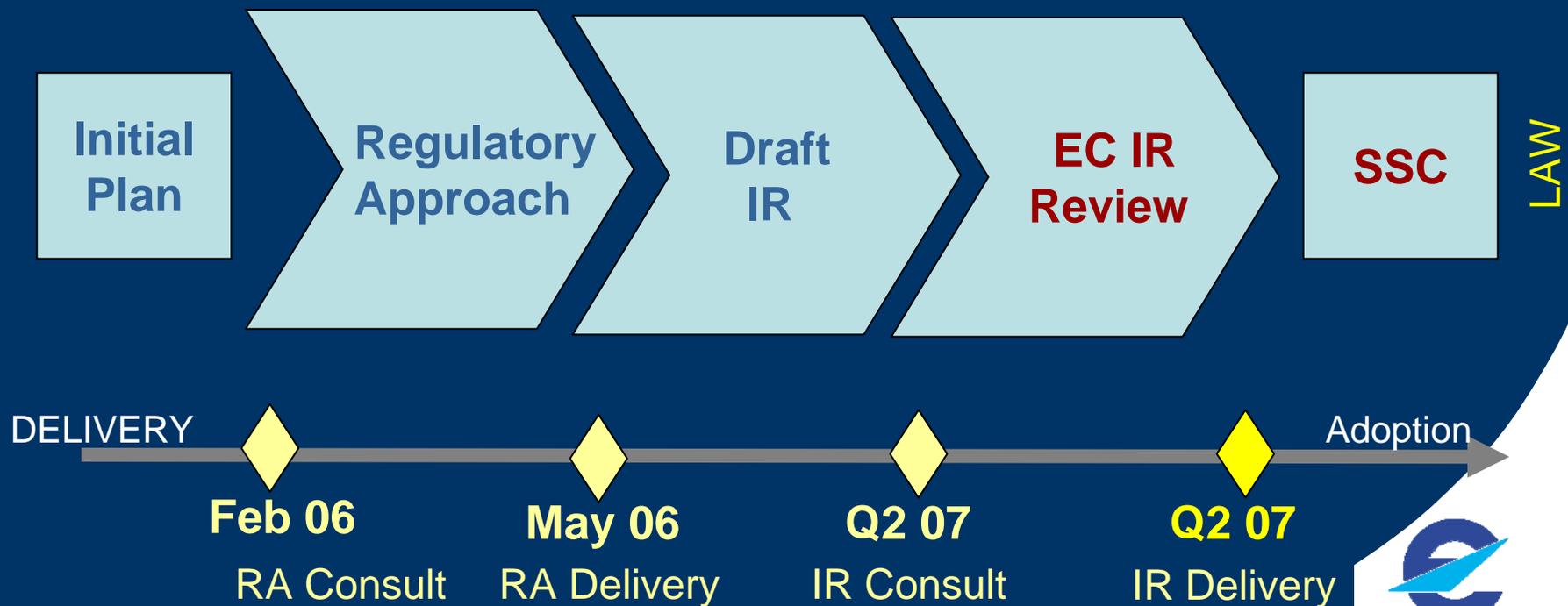
Next Phase - Incentives and Mandatory Carriage Needed

# 2 Step Incentive Scheme



# Mandatory Implementation

May 2005 EC gave a Mandate to EUROCONTROL to Develop an **Implementing Rule (IR)** for Datalink Services



# Datalink IR Proposals (subject to Formal Consultation)

LINK 2000+ Services

*ACM, ACL, AMC*

Service set not Exclusive

*More is possible*

Baseline Technology ATN/VDL Mode 2

*M2 also used for AOC*

Technology Extensible

*If Requirements met*

Aircraft and Airspace Definition

*Above FL 285, LINK Region*

FANS (Oceanic a/c) issues

*New a/c 2014*

Implementation Dates Set (Air/Ground)

*Air new 2009, old 2014  
Ground 2011*

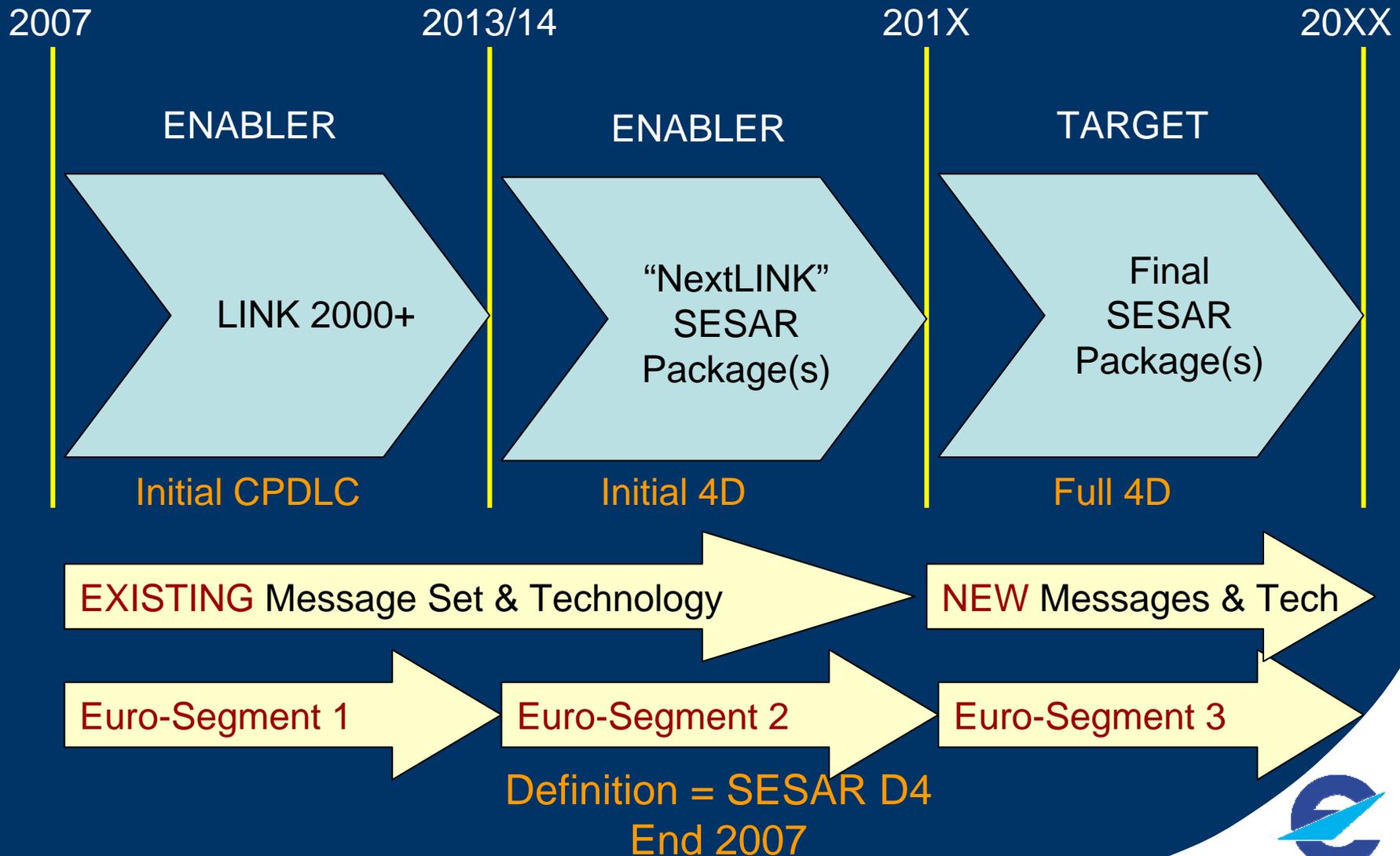
# SES DATALINK IR WORKSHOP

June 13<sup>th</sup> Eurocontrol HQ  
Comment Deadline May 7<sup>th</sup>

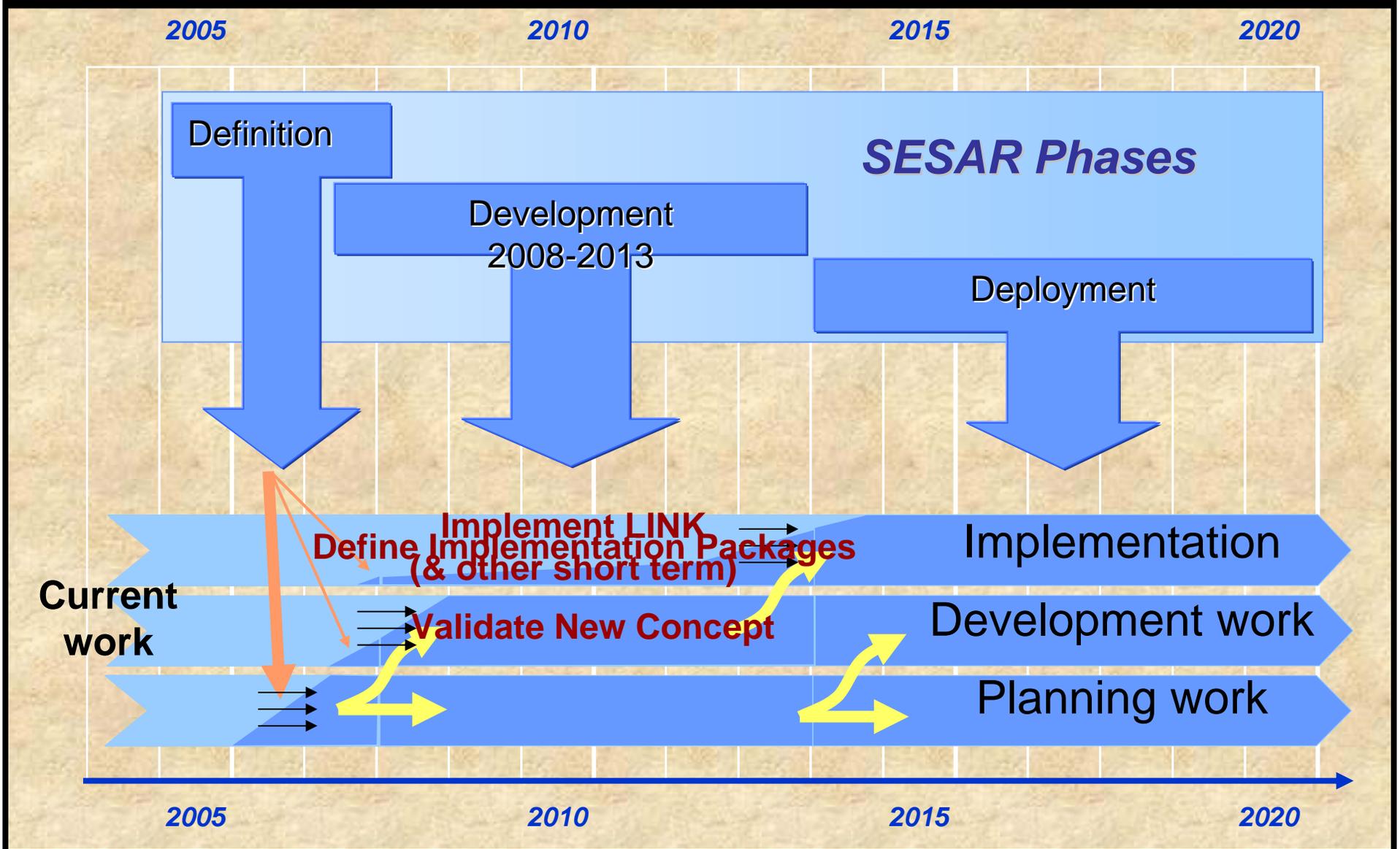
# Technology?

- Today we only use what exists
  - the ATN and VDL Mode 2 is our basis
- We only use what has been standardised, validated and deployed
- We only use what meets the Safety and Performance Requirements
- Are we open to alternatives?
  - Yes but requirements must be met
- Are we open to new technology?
  - Yes
  - But we can not wait for it

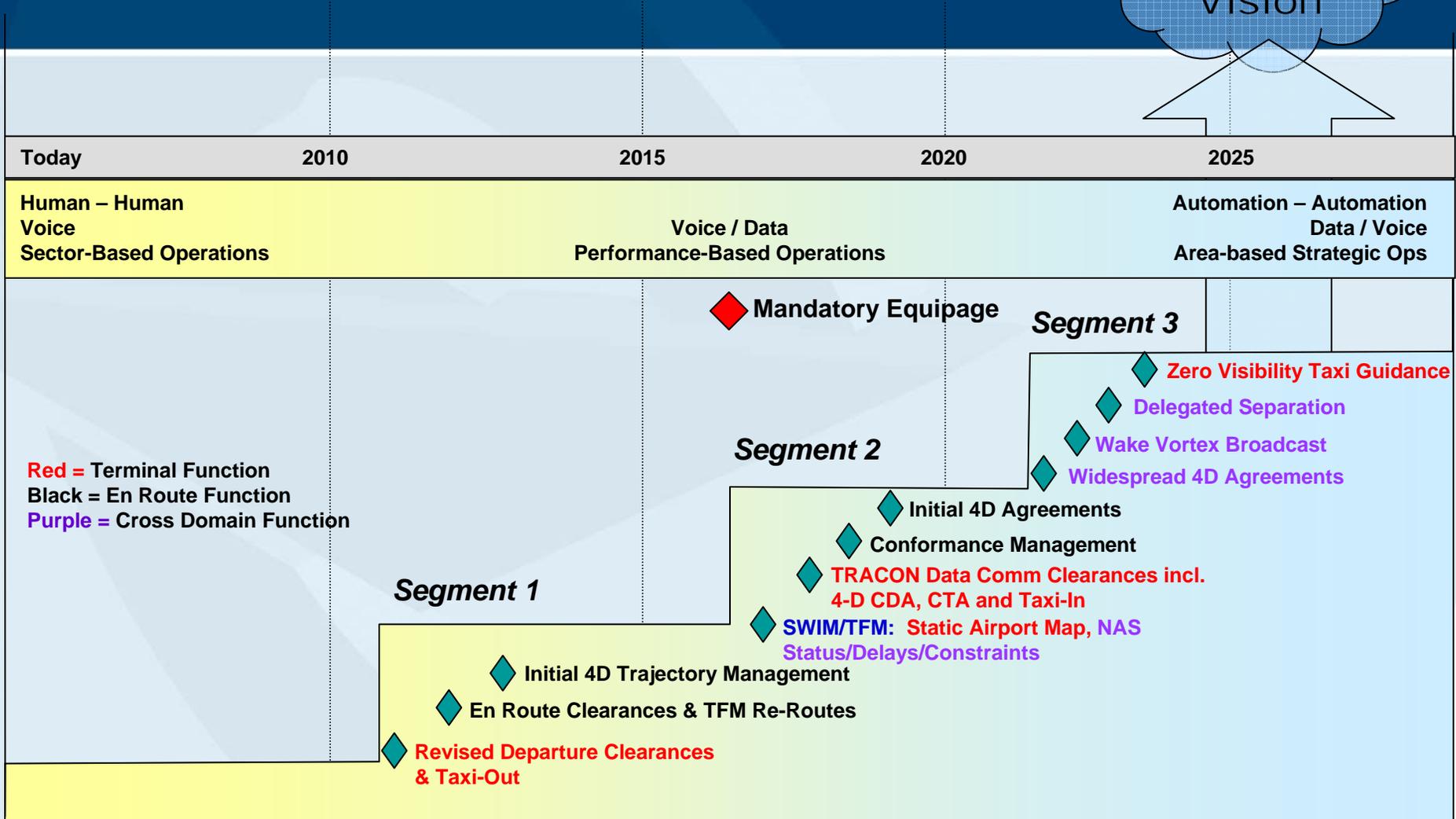
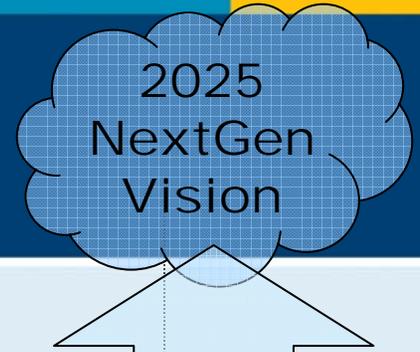
# What About 4D, SWIM and SESAR?



# SESAR Lifecycle



# NEXTGEN Lifecycle



# Will all This Happen?

*In preparing for battle I have always found that plans are useless, but planning is indispensable.*  
*Dwight D. Eisenhower*

# How Will We Measure Success?

*By Implementing Real Change*

**LINK 2000+**

**WORKSHOP**

**BRUSSELS**

**10-11 OCT 2007**

