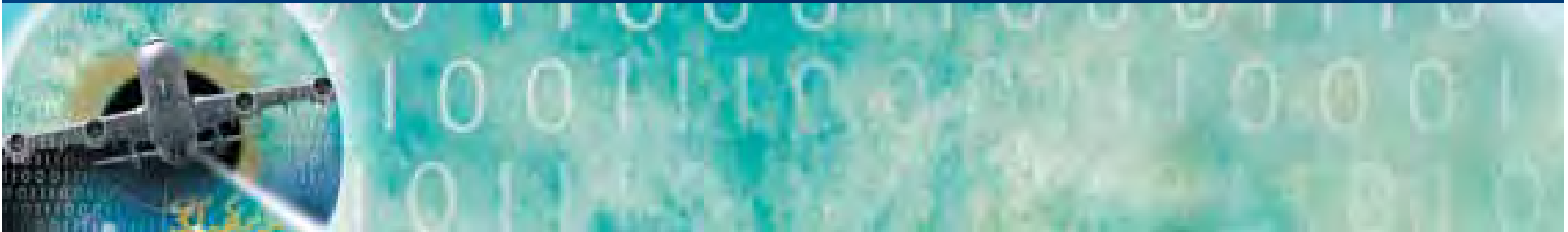


ADS-B Standards Organisations



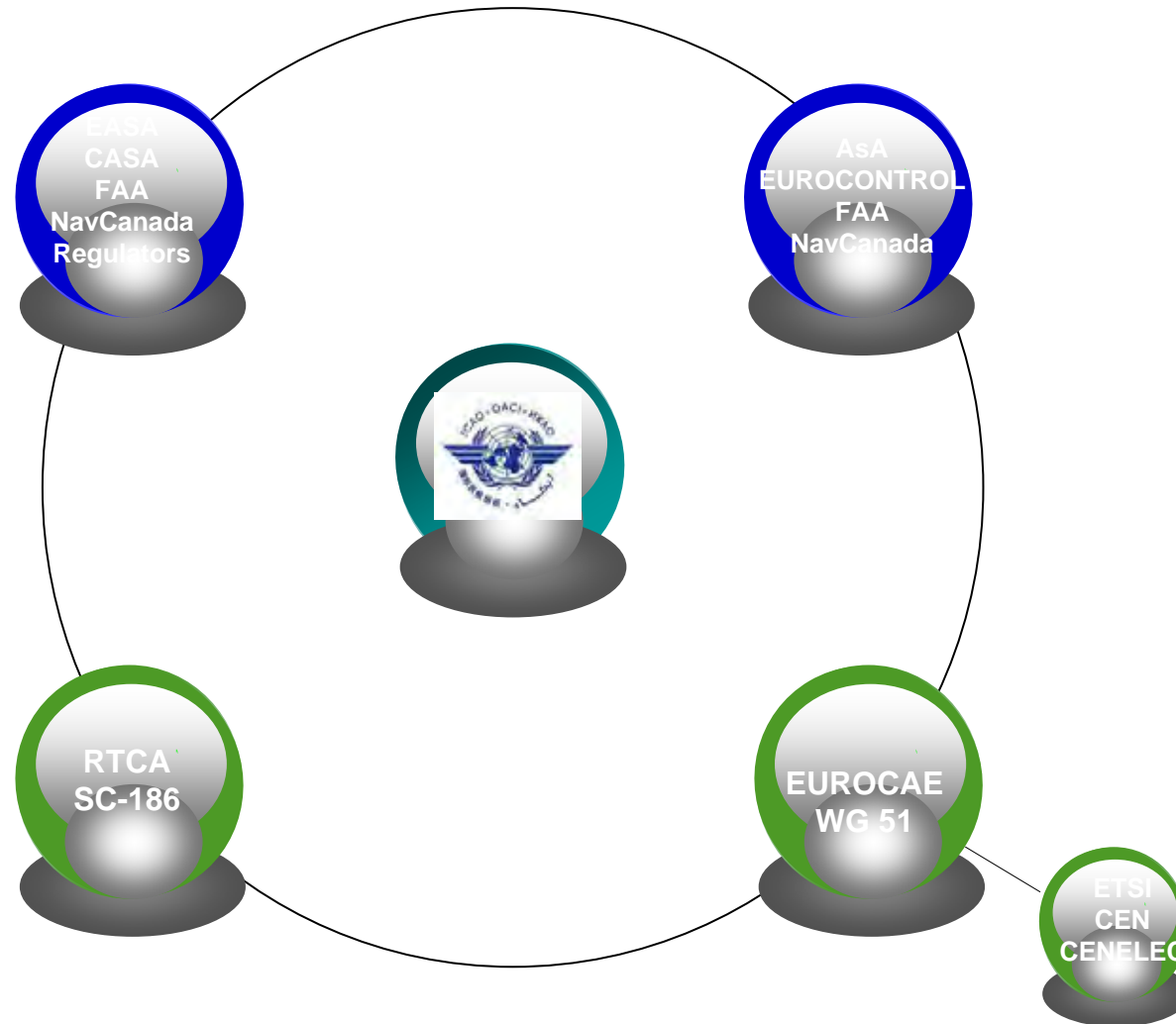
John Law
Surveillance Programmes Manager
EUROCONTROL



Regulators' Workshop
ADS-B Avionics Equipage Requirements
Jakarta Aug 2010

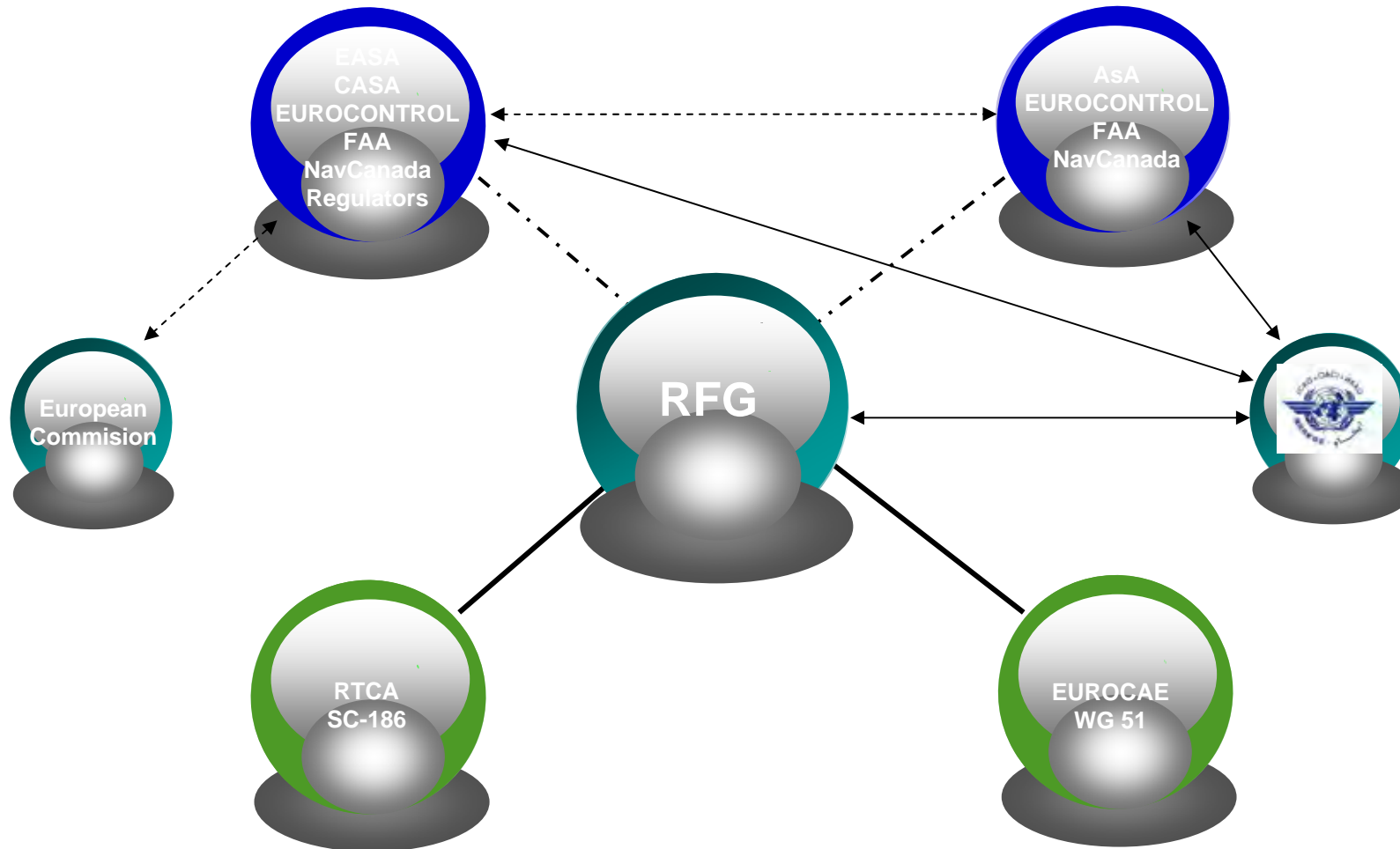


ADS-B Standardisation – Main Players





ADS-B Standardisation – Main Players





ADS-B Standardisation: 2004

**EUROCAE
only**

VDL M4 MOPS
ED108

**Joint
EUROCAE/
RTCA**

1090 MOPS
ED102/DO260

**RTCA
only**

ASA MASPS
DO289A

ADS-B MASPS
DO242A

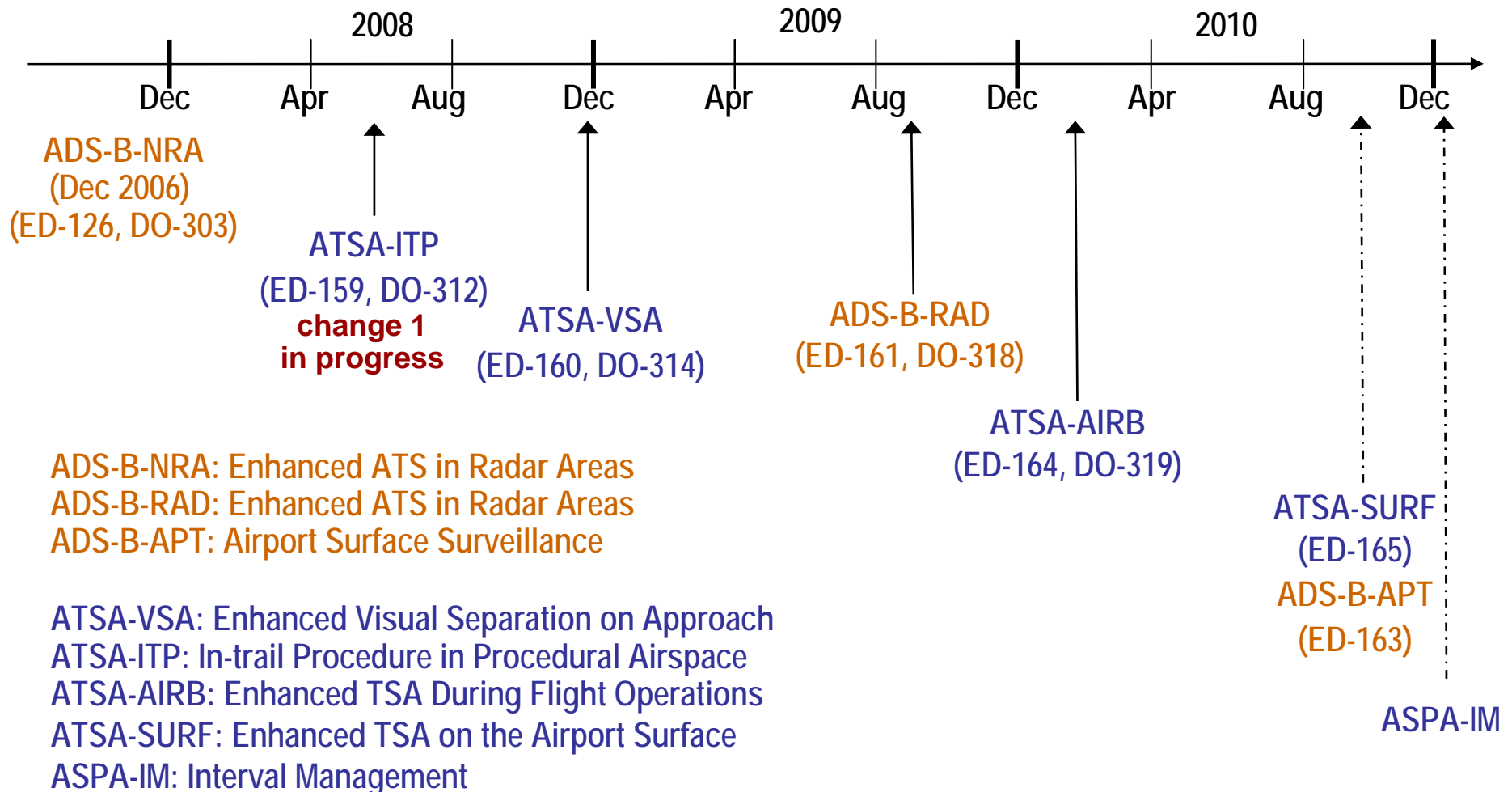
TIS-B MASPS
DO286A

1090 MOPS
DO260A

UAT MOPS
DO282A



Requirements Focus Group (RFG) ADS-B Applications and Timeline



ADS-B-NRA: Enhanced ATS in Radar Areas
ADS-B-RAD: Enhanced ATS in Radar Areas
ADS-B-APT: Airport Surface Surveillance

ATSA-VSA: Enhanced Visual Separation on Approach
ATSA-ITP: In-trail Procedure in Procedural Airspace
ATSA-AIRB: Enhanced TSA During Flight Operations
ATSA-SURF: Enhanced TSA on the Airport Surface
ASPA-IM: Interval Management



RFG and other WG51 Activities

Joint MOPS
1 year from KOM
to publication !



MOPS & INTEROP
maintenance

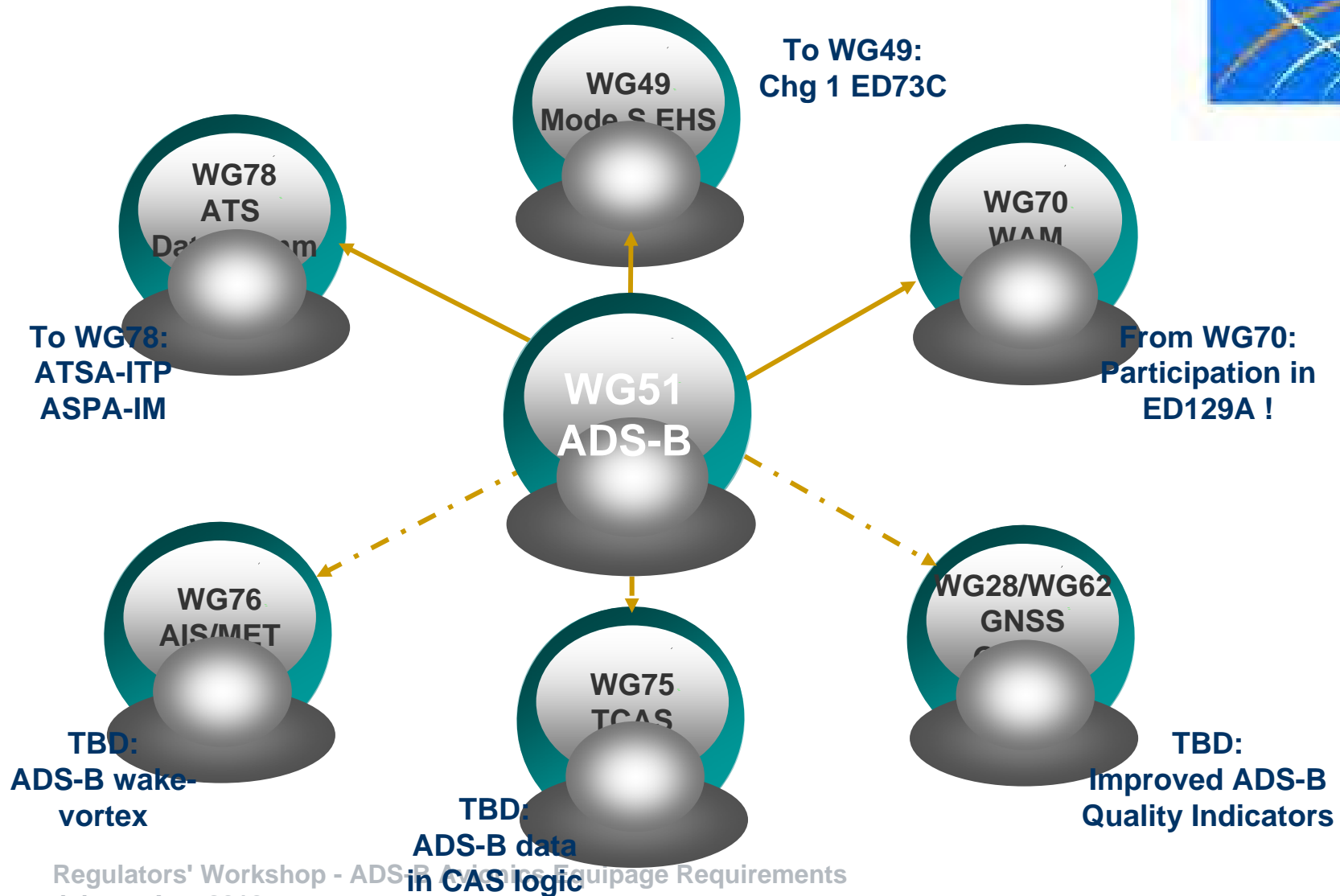


Joint ADS-B IN
system MOPS:
Target: 2Q 2011

Regulators' Workshop - ADS-B Avionics Equipage Requirements
Jakarta Aug 2010

TBD:
ED129A (RAD)
incl. WAM aspects !

WG51 and EUROCAE Activities





ADS-B Standardisation: Today

**EUROCAE
only**

1090 GS Spec
ED129

VDL M4 MOPS
ED108A

VDL M4 Interop
ED156A

**Joint
EUROCAE/
RTCA**

RFG
SPR/INTEROP
(ADS-B applications)

1090 MOPS
ED102A
DO260B

AAA MOPS
EDYYY
DO317A

**RTCA
only**

ASA MASPS
DO289A

*effectively
obsolete*

ADS-B MASPS
DO242A

*effectively
joint*

TIS-B MASPS
DO286B

*No application
for EUR*

UAT MOPS
DO282B

*No application
for EUR*

STP MOPS
DO302

withdrawn

Transponder Baseline: ED-102A/DO-260B and ED73C/DO-181D, change 1

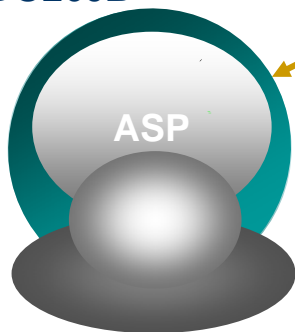


Link with ICAO



1. ITP procedure amendments
2. Changes to ITP risk assessment (ED-159/DO-312 change 1)
3. ADS-B-RAD Surveillance Separation Error analysis ?

Doc 9871 / Annex 10
update in line with
ED102A/DO260B



Doc 4444 ADS-B
Mode A Identification
procedure amendment

A photograph of a white commercial airplane on a tarmac at night. The aircraft is viewed from a low angle, showing the front fuselage, cockpit, and the top of the wing. The tail fin is visible in the background. A large, semi-transparent blue watermark with a stylized geometric pattern is overlaid on the image. The text "Thank you" is written in a bold, red, sans-serif font across the center of the image. A registration number "801" is visible on the side of the fuselage near the front landing gear.

Thank you