



# WELCOME

# PBN AIRSPACE CONCEPT WORKSHOP

## SANTIAGO



Federal Aviation  
Administration

Airspace Concept Workshops for PBN Implementation





# OBJECTIVES

- The objective of this workshop is to provide an overview of the development of a PBN Airspace Concept,
- To introduce the EUROCONTROL Airspace Concept handbook and the methodology to be used in developing such concepts,
- Practice the activity steps within the Airspace handbook through group work.





# AUDIENCE

- Technical ATC managers,
- Operational Terminal and Area air traffic controllers
- Regulators (operations approvals officials)
- Airspace planners
- Pans Ops specialists
- Air transport technical pilots



# WHO ARE WE?

→ Mike Lissone (ML)

→ Background:

- MIL ATCO (ACC and APP)
- ATM Instructor
- ASM
- NAV
  - P-RNAV activity manager
  - PBN focal point
- Controller tools
- Validation/ simulation





# WHO ARE WE?

5

## Franca Pavličević (FP)

- Manager of the Navigation Unit within CNS.
- Formerly an air traffic controller and airspace planner, specialist in Performance Based Navigation
- Eurocontrol member to ICAO SASP
- Eurocontrol representative to ICAO's PBNSG
- Involved in the development of PBN.
- B.Proc (Law) & M.Sc in Airport Planning.



Federal Aviation  
Administration

Airspace Concept Workshops for PBN Implementation





# Lex Hendriks

- ATC background
- Active airline pilot
- Joined EURCONTROL 1991
- Deputy Director ND
- Director ATCA





# Barbara Cassidy

7

- Implementation specialist for RNAV and RNP Division (FAA)
- US Airforce background
- Chief ATC ops (TWR and APP)
- Chief TERPS office



Federal Aviation  
Administration

Airspace Concept Workshops for PBN Implementation






# Roland Rawlings

- NAV applications Programme manager
- Avionics engineer
- Joined EUROCONTROL 1985
  - B-RNAV
  - P-RNAV
- ICAO IFPP member
- RNPSORG





MON, 12 <sup>th</sup> July 2010		0900-1100	1100-1030	1145-1230	1230-1330	1330-1400	1400-1445	1500-1545	1545-1630
		REGISTRATION	<b>1-</b> Official welcome ICAO  <u>Workshop Moderator:</u> <b>J. McCarthy/ R Rawlings</b>	<b>2-</b> Introduction to PBN  <b>A Hendriks</b>	LUNCH	<b>3-</b> Overview of PBN processes  <b>B Cassidy</b>	<b>4-</b> what is an Airspace concept  <b>A Hendriks</b>	<b>5-</b> Airspace Handbook intro  <b>A Hendriks</b>	<b>7-</b> Workshop introduction  <b>M Lissone</b>
TUE, 13 <sup>th</sup> July 2010	0900-1000	1015-1045	1100-1145	1145-1230	1230-1330	1330-1415	1415-1500	1515-1600	1615-1700
	<b>8-</b> Case study introduction  <b>M Lissone</b>	<b>9 -</b> Activity 1,2 & 3  <b>B Cassidy</b>	Group work Act 1,2&3  <b>M Lissone &amp; A Hendriks</b>	Group work Act 1,2&3  <b>M Lissone &amp; A Hendriks</b>	LUNCH	Present group work act 1,2&3  <b>M Lissone &amp; A Hendriks</b>	<b>10-</b> Reference scenario  <b>M Lissone</b>	<b>11-</b> Safety criteria & assumptions  <b>R Rawlings</b>	<b>12-</b> Design Airspace (Routes & Holds)  <b>M lissone</b>
WED, 14 <sup>th</sup> July 2010	0900-1000	1015-1100	1115-1215	1215-1300	1300-1400	1400-1445	1445-1530	1545-1630	
	Group work Act 7  <b>M Lissone &amp; A Hendriks</b>	Group work Act 7  <b>M Lissone &amp; A Hendriks</b>	<b>13-</b> Nav spec & procedure Design  <b>A Hendriks/ R Rawlings</b>	Discussion on Nav spec  <b>M Lissone &amp; A Hendriks</b>	LUNCH	<b>14-</b> Design airspace volumes  <b>A Hendriks</b>	Group work  <b>M Lissone &amp; A Hendriks</b>	Group work  <b>M Lissone &amp; A Hendriks</b>	
THU, 15 <sup>th</sup> July 20 <sup>th</sup>	0930-1015	1015-1045	1100-1145	1145-1245					
	Finalisation Airspace Concept presentation	Group final presentation	<b>15-</b> Validation & Implementation  <b>M Lissone/ R Rawlings</b>	Wrap up & debrief  <b>A Hendriks J. McCarthy</b>					





# Material for Workshop

10

- Workshop folder
- Airspace Concept Development Handbook
- Several relevant docs
- CD ROM



# QUESTIONS???

