

Fourth Global Flight Safety and Human Factors Symposium
Santiago, Chile
12 - 15 April 1999

TECHNICAL WORK PROGRAMME

Monday, 12 April

0900-1600 Registration

1700-1845 Opening ceremonies -
Moderator:

Dr. Assad Kotaite

TBA

Mr. R.C. Costa Pereira

General Marcos Meirelles Guizman

Mr. Heriberto Abatte Correa

Dirección General de Aviación Civil, Chile

President of the Council of ICAO

Senior Minister, Chile

Secretary General of ICAO

Director General de Aviación Civil, Chile

Technical Keynote -

The Honourable Robert T. Francis II, Vice-Chairman,
National Transportation Safety Board, United States

Dr. Rob Lee, Director, Bureau of Air Safety Investigation
(BASI), Australia

1900 Reception

Tuesday, 13 April

Chairman: Captain Jeremy Butler - British Airways/Chairman, IATA Human Factors Working Group

0830-0845 Opening

0845-0915 *Keynote:* Ten years of Human Factors and safety

0915-0935 A retrospective look at Human Factors in
aircraft accident investigation

0935-0955 An approach to Human Factors issues in the future
aviation system

0955-1015 ATM systems maintenance: taking Human Factors
into consideration in a quality assurance approach

1015-1035 Coffee-break

1035-1105 *Keynote:* Ten years of Human Factors and prevention

1105-1125 LanChile's prevention programme

1125-1145 Including cabin crew competencies in an airline
safety system: the identification of prescriptions for
training and assessment

1145-1205 Organizational culture in civil aviation

1205-1225 Panel Debate

Mr. Jean Pariès - Dédale - France

Dr. Barry Strauch - NTSB -
United States

Mr. Víctor Makrinow A. -
DGAC - Chile

E. Hermann, L. Licheratcu &
M. Mazeau - CENA - France

Mr. Peter Harle - TSB - Canada

Mr. Jaime Silva Rivera - LanChile

Dr. Lynn Hunt - Massey
University - New Zealand

Dr. J. Ciancio, Dr. H. Alonso &
Dr. D. Dominguez - Argentina

1230-1345	Lunch	
1350-1420	<i>Keynote:</i> Ten years of Human Factors in air traffic control	Mr. Bert Ruitenberg - IFATCA
1420-1440	Integrating Human Factors in the life cycle of ATM systems	Mr. Billy Josefsson - SCAA - Sweden
1440-1500	TRM in European air traffic control	Dr. Manfred Barbarino - EUROCONTROL
1500-1520	Air traffic control: a preliminary study about occupational stress	S. Oliveira Ribeiro - Nuicaf - Brazil
1520-1540	Coffee-break	
1540-1610	<i>Keynote:</i> Ten years of Human Factors training	Capt. Neil Johnston - Aer Lingus
1610-1630	How relevant is the 20 th Century ICAO Annex 1 to 21 st Century air transport flight crew licensing?	Prof. Graham Hunt - Massey University - New Zealand
1630-1650	ATC safety culture: from TRM to experience feedback	Ms. Sylvie Figarol - CENA - France
1650-1710	Information needs for flight operations and efficiency	Mr. J.-J. Speyer - Airbus
1710-1730	Panel Debate	

Wednesday, 14 April

Chairman: Mr. Oscar Altermatt Zanetti - Deputy Director, Operations,
Air Navigation Directorate, DGAC - Chile

0830-0845	Opening	
0845-0915	<i>Keynote:</i> Ten years of CRM	Prof. Robert Helmreich - NASA/UT
0915-0935	CRM training for cabin crew	Capt. Rafael Santos & Capt. Flavio Souza - VARIG
0935-0955	Efficient cooperation between multi-cultural crews in flight operations: the creation of a company culture	Dr. Triant Flouris - Auburn University - United States
0955-1015	Airbus CRM	Ms. Claire P��legrin - Airbus
1015-1035	Coffee-break	
1035-1105	<i>Keynote:</i> Ten years on human error in aviation	Dr. Ren�� Amalberti - France
1105-1125	VARIG's prevention programme: an error management approach	Capt. Roberto Pimentel - VARIG
1125-1145	Modelling for training: use of simulation techniques for investigating LOS scenarios	Prof. P.C. Cacciabue, Dr. M. Pedrali & Prof C. Cardani - Italy
1145-1205	Considerations of the Army regarding Human Factors issues in CNS/ATM systems implementation	Capt. Gonzalo Gallardo Bareyne- Chile
1205-1225	Panel Debate	
1230-1345	Lunch	

1350-1700

Workshop 1 - Cultural issues in aviation safety

Moderators: Captain Ashok Poduval - IATA
TBA

Workshop 2 - The role of the regulator in the future aviation system

Moderators: CAA of New Zealand

Workshop 3 - Human Factors Issues in air traffic control services

Moderators: Mr. Bert Ruitenber - IFATCA
Dr. Anne Isaac

Thursday, 15 April

Chairman: Mr. Paul Lamy - ICAO

0830-0845

Opening

0845-0915

Keynote: Ten years of automation

Prof. Earl Wiener - University
of Miami - United States

0915-0935

A socio-technical approach to air safety research

Capt. Alejandro Pérez - Mexicana

0935-0955

Error sources and Human Factors

Mr. Ricardo Gutiérrez G. - FACH

0955-1015

The KCAB approach to Human Factors

Mr. Lee, Woo-Jong - KCAB

1014-1035

Coffee-break

1035-1105

Keynote: A manufacturer's recommendations
and guidelines on how to use automation
throughout the flight

Capt. Etienne Tarnowski - Airbus

1105-1125

LanChile Human Factors and quality system

Mr. José Castellanos - LanChile

1125-1145

**ATC monitoring systems design: simulation
and Human Factors validation**

E. Hermann, L. Laserre &
E. Toillard - CENA - France

1145-1205

**Psychological and social factors related to using
radar by air traffic controllers**

Dr. Edward G. Hanna - Egyptian
Civil Aviation Organization

1205-1225

Panel Debate

1230-1335

Lunch

1340-1410

Keynote: Design, human performance and safety:
the limitations

Dr. R. Curtis Graeber - Boeing

1410-1430

**Organizational culture, safety climate and
safety performance in maintenance organizations**

Mr. I. Patterson - The Open
Polytechnic of New Zealand

1430-1450

Human Factors and CNS/ATM systems safety

Capt. P.S. Ganapathy - Air India

1450-1510

**The Czech passive surveillance system VERA,
part of CNS/ATM systems safety and efficiency**

Eng. Ladislav Mika - CAA -
Czech Republic

1510-1530

Panel Debate

1530-1550

Coffee-break

1555-1640

Working groups findings, conclusions and recommendations

1640-1700

Closing ceremonies

1930

Symposium banquet