



INTERNATIONAL CIVIL AVIATION ORGANIZATION

NACC OFFICE

ICAO SPECIAL IMPLEMENTATION PROJECT (SIP)

**WORKSHOP ON THE DEVELOPMENT OF BUSINESS CASE FOR THE
IMPLEMENTATION OF CNS/ATM SYSTEMS**

(ANTIGUA AND BARBUDA, 28 SEPTEMBER – 2 OCTOBER 2009)

AGENDA

Agenda Item 1:	Global ATM System: Framework	▪ CNS/ATM systems ▪ Air Traffic Management ▪ Communications ▪ Navigation ▪ Surveillance
Agenda Item 2:	Global ATM System: Implementation	▪ Planning mechanism ▪ Performance based Planning and implementation ▪ Interoperability and Harmonization
Agenda Item 3:	Economics of air navigation services	▪ Air navigation services charges and their collection ▪ ICAO policy on air navigation services charges ▪ Cost basis for air navigation services charges ▪ Performance management and results of (CEANS) ▪ International cooperation
Agenda Item 4:	Business case development	▪ Definition ▪ Traffic forecast ▪ Economic assessment ▪ Cost/benefit analysis ▪ Organizational issues ▪ Financial analysis and funding ▪ Risk management
Agenda Item 5:	Hands-on exercises for the development of business case	▪ Participation in practicum for the development of business case for the implementation of CNS/ATM Systems ▪ Group discussion ▪ Formulation of Recommendations
The exercises will be conducted using the DFACS model which is an interactive and analytical tool that enables air navigation service providers (ANSPs) and airspace users to build, evaluate and compare the economics of alternative options or scenarios for the implementation of CNS/ATM Systems leading to a seamless global ATM system.		
Agenda Item 6:	Future developments	▪ Work programme of ICAO Panels ▪ Overview of emerging technologies

Reference Documents:

1. *Development of business case for the implementation of CNS/ATM Systems – Guidance Material* (available on the ICAO CAFEFA website)
2. *CNS/ATM Database and Financial Analysis Computer System (DFACS) User’s Manual* (available on the ICAO CAFEFA website)
3. *DFACS illustrative application* (available on the ICAO CAFEFA website)
4. *Global Air Traffic Management Operational Concept* (Doc 9854) available on ICAONET
5. *Global Air Navigation Plan* (Doc 9750) available on ICAONET
6. *Manual on Global Performance of the Air Navigation System* (Doc 9883) available on ICAONET
7. *Air Navigation Plan — Caribbean and South American Regions, Volume I — Basic ANP and Volume II — FASID* (Doc 8733 available on ICAONET)
8. *National Plan for CNS/ATM System – Guidance Material* (Circular 278)
9. *Economics of Satellite-based Air Navigation Services* (Circular 257)
10. *ICAO’s Policies on Charges for Airports and Air Navigation Services* (Doc 9082)
11. *Manual on Air Navigation Services(ANS) Economics* (Doc 9161)
12. *Documentation of the Conference on the Economics of Airports and Air Navigation Services (CEANS):* <http://www.icao.int/ceans/Docs.htm>

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