

Agenda Item 6



Organizational Structures of Air Navigation Services

Overview

- # ICAO's Policies on Charges
- # Chapter 2 of the Manual on Air Navigation Services Economics
- # Circular on Privatization
- # CNS/ATM aspects

ICAO's Policies in Doc 9082/7

- # Autonomy and privatization [§10-14]
- # Independent mechanism for economic regulation [§15]
- # Performance parameters [§16]
- # Best commercial practices [§17]
- # Joint charges collection [§18]
- # Other factors [§19-20]



Doc 9161/4 - Chapter 2 - scope

- # General comment
- # Basic organizational characteristics of air navigation services provision
- # Organizational forms at the national level
- # Economic oversight and regulation

Air Navigation Services

Basic Characteristics

- # Services extend over whole State - sometimes beyond
- # Normally at least two entities or more involved
- # Five major categories: ATM, CNS, MET, SAR, AIS
- # Important one entity be responsible for including all costs both its own and those of others in cost basis for charges

Organizational Forms at the National Level

- # Government department
- # Autonomous public sector organization
- # Private sector organization

Government department

- # Reports to Government
- # Funded by Government
- # Not subject to taxes
- # Provides all types of ANS
- # Responsible for safety regulation
- # Capital expenditure subject to Government's approval

Autonomous public sector organization

- # Government sets objectives and monitors performance
- # Board of directors report to Government
- # Self-financing, possibly return on capital
- # Commercial accounting standards
- # May be subject to business taxes

Private sector organization

- # Subject to obligations of States under Chicago Convention
- # Board of directors appointed according to a charter
- # Self-financing and return on capital
- # Access to private capital market
- # Commercial accounting standards
- # Subject to business taxes

ECONOMIC OVERSIGHT

- # States' responsibilities
- # Need for oversight
- # Possible forms
- # Implementation – dispute resolution

CNS/ATM systems

Implementation options:

- a) contract with certified service provider
- b) commission existing multilateral organization to deal with service provider
- c) join a group of States or a new international organization
- d) use a mechanism within ICAO

GNSS organizational aspects

- # Satellite-based augmentation systems (SBAS–implementation options)
- # Multinational facility or service
- # Civil aviation one of many users



International Cooperation for the Provision of Air Navigation Services

Doc 9161/4 - Chapter 3 - scope

- # Forms of international cooperation
- # International operating agencies
- # Multinational facilities and services
- # Joint financing arrangements
- # Political cooperation

International Operating Agency

Advantages

- # More efficient use of personnel and equipment - lower costs
- # Better collection from overflights
- # Stronger negotiating position in financial and commercial dealings
- # ASECNA, COCESNA, EUROCONTROL

Joint Charges Collection Agencies

Functions

- # Collect charges for all participating States
- # Transfer charges collected to each State
- # Add a small administrative fee to the charges levied

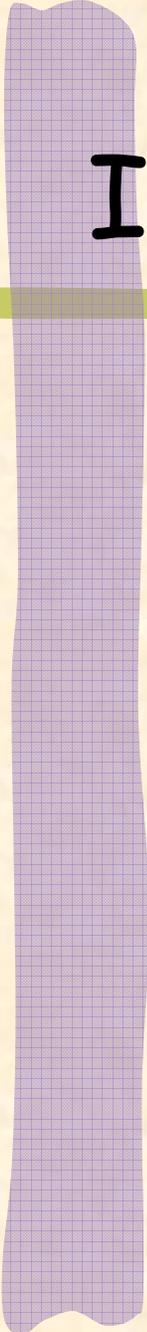
Advantages to States

Charges Collection Schemes Operators

EUROCONTROL

United Kingdom

IATA



IKSANO

Information Coordinating Council on
Debt Problems in the Area of Air
Navigation Services

Multinational Facilities and Services

- # What is a multinational facility or service?
- # Equity aspects
- # Implications for States and ICAO technical planning bodies
- # Guidance material developed by ICAO

Part F

Joint Financing Arrangements

- # Danish and Icelandic Joint Financing Agreements - 23 States
- # North Atlantic Height Monitoring System Arrangement - 6 States
- # Agreement on the Sharing of Costs of the Satellite Distribution System for Information relating to Air Navigation - 91 States receive service

Political cooperation

Single European Sky

- # Reorganization of the airspace
- # Common certification of ANSPs
- # Interoperability
- # Common charging scheme
- # Common ATCo license

Discussion

- # How are ANS provided in your State?
- # Does your State participate in any form of int'l cooperation?
- # Possibilities and problems in your State towards int'l cooperation?