

## **IATA CONSULTING – CNS/ATM EXPERTISE**

With escalating traffic growth and resultant capacity constraints, modern air traffic services face considerable challenges. IATA offers a wide range of CNS/ATM-related consulting services, as well as training and specialized professional advice, to assist ANSPs and operators in developing the highest quality aviation-focused services and operational procedures.

By drawing on unparalleled expertise in CNS/ATM-related applications, IATA is a leader in the implementation of new technology.

Using its capability for the deployment of experts from offices across the globe, IATA has successfully completed CNS/ATM-related projects in Africa, Central and South America, Asia, the Caribbean and the Middle East on behalf of Civil Aviation Authorities, ANSPs, airlines, airport authorities and international agencies.

## **CNS/ATM – CONSULTING SERVICES**

IATA brings a global perspective to the projects it undertakes, and draws on its extensive in-house expertise and its unique access to ANS experts and other specialists.

IATA acts as an independent consultant but is also able to provide a review, at strategic milestones, of detailed work undertaken by specialized consulting firms.

IATA offers a wide range of Air Navigation Service planning and development consulting services.

The following list describes some of the consulting services that IATA can offer:

### ANS Master Planning

- Preparation of Master Plan for the optimal development of Air Navigation Services.
- Provision of adequate capacity to meet the projected demand.
- Determination of User needs and constraints.
- Analysis of all pertinent issues by a team of experts.
- Interface issues between airports and ANS.
- Best location of ANS services and facilities.
- Cost Benefit Analysis.
- CNS/ATM Implementation.
- Analysis of existing ANS facilities and services.
- Unbiased determination of operational requirements.
- ANS rationalization.
- Aeronautical studies.
- ANS modernization and transition planning.



### Tenders Evaluation Services

- Unbiased review and evaluation of tenders for Air Navigation Services and facilities.



#### ANS User Consultation Services

- ✈ Worldwide access to airlines and users.
- ✈ Analysis of User requirements.
- ✈ Analysis of User operational and technical profile.

#### Demand / Capacity Studies / Airspace Optimization

- ✈ Establishment of the nature, degree and level of congestion parameters relevant to a particular airspace.
- ✈ Identification of bottlenecks / determination of maximum and sustainable capacity / Level of Service (LOS).

#### RNAV (GNSS) Procedures Development and Implementation

IATA has in recent years encouraged the development of practical GPS/GNSS applications as part of the transition toward new CNS/ATM. The IATA's RNAV (GNSS) Procedure Implementation Package can be tailored to the specific needs of each State, but the full package includes:

- ✈ Development of RNAV (GNSS) Non-Precision Approach Procedures;
- ✈ WGS-84 surveys;
- ✈ Development of Standard Instrument Departure (SID) and Arrival (STAR) Procedures;
- ✈ Drafting of necessary national GNSS legislation and regulations.
- ✈ Training workshops and seminars
- ✈ Quality Assurance

## **CONTACT**

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