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ASSEMBLY — 35TH SESSION

TECHNICAL COMMISSION

Agenda Item 22: Development of an up-to-date consolidated statement of ICAO continuing policies related to air navigation

REGIONAL COMMUNICATIONS, NAVIGATION, SURVEILLANCE/AIR TRAFFIC MANAGEMENT (CNS/ATM) FEASIBILITY STUDY AND TRANSITION PLAN IN AZERBAIJAN, ARMENIA, GEORGIA, MOLDOVA AND UKRAINE

(Presented by Armenia, Azerbaijan, Georgia, the Republic of Moldova and Ukraine)

INFORMATION PAPER

SUMMARY

In April 2004 within the framework of Regional Air Navigation Services Development Association (RADA) the Project of feasibility study of Regional Communications, Navigation, and Surveillance/Air Traffic Management (CNS/ATM) Transition Plan in Azerbaijan, Armenia, Moldova and Ukraine was launched.

The objective of the project is to harmonize the air navigation service development in the Black Sea and Caspian regions, including Azerbaijan, Armenia, Georgia, Moldova and Ukraine, through development and implementation of modern systems according to ICAO standards and EUROCONTROL regional requirements.

The project is funded by US TDA. Project works are carried out by Robinson Aviation Inc. (USA).

1. MAIN TASKS OF FEASIBILITY STUDY OF REGIONAL CNS/ATM TRANSITION PLAN

1.1 Review of the State's existing ATM infrastructure and projects, development of the regional approach and drawing up the implementation plan in conformity with ICAO CNS/ATM Plan that would allow the regional service providers to select an optimal procurement strategy according to guidelines and options set by this study.

1.2 Identify preferred courses of action that will facilitate a smooth and seamless transition from a ground-based ATC system to a satellite-based system that meets the Air Navigation Service Provider's (ANSP) CNS/ATM requirements and is in accordance with the national laws and policies of each country.

1.3 Forecast of future air traffic services needs in the Region and calculation of the project's financial and economic feasibility based on the estimated air navigation charges revenue as well as the investment requirements, operating costs and training costs necessary for implementation of the plan.

1.4 Determine the best method of implementing CNS/ATM technologies for each State and for the Region.

1.5 Special attention of the feasibility study shall be paid to regional implementation of Global Navigation Satellite System (GNSS), with appropriate augmentation system selected.

2. ACHIEVEMENTS

2.1 Over forty organisations representing ANS provides, airlines, manufacturers from Armenia, Azerbaijan, Australia, Georgia, Germany, Great Britain, Italy, Moldova, Russia, Spain, Ukraine and the USA participated at CNS/ATM Workshop. The Workshop assisted to clarify expectations of all stakeholders and resolve concerns related to the development of the detailed work plan along with logical and realistic schedule.

2.2 Work plan for the project implementation has been developed.

2.3 Site visits have been undertaken. Report on the status of each country's CNS/ATM system has been prepared gathered information on, but not limited to: airspace organization and capacity; operating procedures; staffing; training; international and domestic air traffic volumes; structures that house ATC facilities and equipment; equipment used in air navigation and air traffic control; site specific environmental statistics/issues; legal and regulatory polices; organizational infrastructure including ATM infrastructure; financial status and financing capabilities; facilities and jurisdiction.

2.4 Legal basis for the project members functioning has been analyzed.

2.5 Status of CNS/ATM Implementation has been identified as per: different technical and operational components; status of SARPs and guidance information; barriers to CNS/ATM implementation; financial resources; time lines of new technology integrations.

3. FOLLOW-UP ACTIONS

- 3.1 Develop the draft Regional Plan on the basis of the conducted analysis, in compliance with the requirements of the users to the modern system of air navigation service.
- 3.2 Audit of the draft Regional plan by international organisations.
- 3.3 Identify the following requirements for the transition to CNS/ATM for each country: operational, Technological, infrastructural, legal and regulatory, procedural, organizational, personnel, training, financial.
- 3.4 Submit the results of feasibility study to the respective CAAs for consideration and approval.

4. ACTION BY THE ASSEMBLY

- 4.1 The Assembly is invited:
- a) to note the information about Regional CNS/ATM Feasibility Study and Transition Plan for Azerbaijan, Armenia, Georgia, Moldova and Ukraine;
 - b) to endorse the initiative of the Air Navigation Service providers - RADA members concerning regional approach to CNS/ATM transition planning.

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