

FOURTH MEETING OF THE ALLPIRG/ADVISORY GROUP

(Montreal, 6 – 8 February 2001)

Agenda Item 5: Recent developments in the area of airport and air navigation services economics

COST TABLES FOR CNS/ATM PLANNING AND EVALUATION TOOLS

(Presented by the Secretariat)

SUMMARY

While it is accepted that the costs of various elements of the CNS/ATM systems vary widely between different areas of the world, GREPECAS, with a view to facilitating the performance of cost/benefit analyses, has conducted surveys and developed accordingly cost tables to be used along with the CNS/ATM planning and evaluation tools (PET). The tables presented in the appendix represent the present findings and will need to be updated from time to time to reflect new conditions, such as the price of fuel for aircraft. The meeting is invited to note the information and the Regional Affairs Office, as part of its coordination activities with regions, should undertake to collect and maintain these tables to ensure some consistency in the data used for the development of business cases.

1. INTRODUCTION

1.1 It has repeatedly been recommended that cost/benefit analyses should be performed to substantiate and validate implementation scenarios. As part of these analyses, the costs of CNS/ATM-related facilities and services, as well as user costs, must be used. It is recognized that these costs vary widely from State to State and user to user. To keep the planning and evaluation process manageable, GREPECAS is in the process of completing cost tables for the different elements of CNS/ATM systems, as well as for some user costs.

2. DISCUSSION

2.1 To prepare these cost tables, GREPECAS, through Project RLA/98/003, has consulted with manufacturers, international organizations, aircraft operators, trade journals and other sources. The results of these consultations have been summarized and the figures adjusted to produce a base-line cost for each of the items listed. Included in the appendices, are the results of the first few tables.

2.2 Considering that many of these cost items will vary with time, such as fuel prices for aircraft, a mechanism should be set to continuously monitor and update as necessary those tables. Considering the wide cost variations of similar items around the world, it would be appropriate if, as part of its coordination process with ICAO Regions, the Regional Affairs Office (RAO) were to undertake the maintenance of these tables on a continuous basis and make related databases available to planning groups. This approach is also important to ensure that the data used in the development of business cases is within acceptable ranges, even when considering regional variations.

3. CONCLUSION

3.1 As part of the evaluation of the viability of transitioning to CNS/ATM systems, cost/benefit analyses will need to be performed. To keep the process manageable and credible, it is proposed that the base-line cost presented in the appendices be used as a base for the establishment and maintenance of global cost tables/databases.

Conclusion 4/X – Creation of a mechanism for the creation and maintenance of tables/databases on the costs of the different elements of CNS/ATM systems

That ICAO Headquarters, as part of its coordination process in the planning and implementation of CNS/ATM systems, establish a mechanism for the creation and maintenance of cost-related tables/databases.

4. ACTION BY ALLPIRG

4.1 The meeting is invited to note the information contained in this working paper and approve Conclusion 4/X in paragraph 3.1 above.

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