



ICAO

International Civil Aviation Organization
African Flight Procedure Programme

Eighth Meeting of the African Flight Procedure Programme Steering Committee
(Dar Es Salam, 23 - 24 August 2022)

Agenda item 6: Presentation of the AFPP Programme Document for Phase III
6.4: Review of the AFPP products and services – Attachment A

(Presented by the Secretariat)

1. Introduction

- 1.1 The AFPP products and services are charged based on the basic cost of each category of product or service. The fees encompass tuition fees for trainings and workshops, flight procedure design related activities and other assistance activities.
- 1.2 The final price is the product of the duration of the activity and the basic cost. In the below pricing table, the cost of the daily subsistence allowance and the airfares are not included. If the activity includes a trip, they will be accounted.

2. Basic costs

Category	Unit	Cost per unit		
		Active member	User (State)	Others, e.g. companies
Flight procedure design	Day	600	700	1 000
Tuition fees	Day	0	600	600
Other assistance	Week/Pers.	1 000	1 000	1 000

3. Flight procedure design

- 3.1 According to ICAO Airspace Design Manual (Doc. 9992), a simple and non-complex flight procedure design project can take minimum 279 working days, ie approximately nine (9) months. Using this assumption as basis for the calculations would make the cost of a PBN project prohibitive. A minimum duration allowing the Programme to recover the costs is proposed below.

Category	Description	Duration (days)	Comment
1-Project Management			
	Project organization and management	5	
2-Data			

Data collection	3	
Data processing	2	
3-Conceptual Design (CD)		
Instrument Approach (IA)	0.25	
Standard Instrument Departures (SID)	1	
Standard arrivals (STAR)	1	
CD validation	2	
4-Flight Procedure Design		
LNAV or conventional approach	5	
VNAV or precision approach	1	
Basic SIDs (Departure)	1	Per SID
CCO SID (Arrival)	1.5	Per SID
Basic STAR	1	Per STAR
CDO STAR	1.5	Per STAR
Omnidirectional Departure	0.5	Per Departure
5-Aeronautical charting		
Instrument Approach Chart (IAC)	2	
SID chart	2	
STAR chart	2	
Local chart	3	
6-Validation		
Independent review	0.5	Per element
Production of validation documents	0.5	
Participation to flight evaluation		
7-Expertise		
Awareness training	3	
Safety studies	3	
Concept of operation training	1	
8-Deliverables		
Preparation of the approval request bundle	1	
Preparation of the publication documents	1	
Technical report	2	

4. **Other assistance activities**

4.1 Other assistance is any assistance that may be requested by a participating member such as trainings, assistance for regulatory approval, safety studies, etc. For such assistances, the relevant provisions of the Prodoc apply. For other beneficiaries, the cost will depend on the duration and the basic cost.

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