



African Flight Procedure Programme

Steering Committee Meeting #1
16-17 December 2014
Nairobi, Kenya

2014/SC1/WP05
Attachment A
17/12/14

Agenda Item 8: Proposed 2015 AFPP Flight Procedure design pricing tables

PROPOSED 2015 AFPP FLIGHT PROCEDURE DESIGN PRICING TABLES (Presented by the Secretariat)

CONVENTIONAL ¹ FLIGHT PROCEDURE DESIGN INDICATIVE PRICING² FOR SIMPLE PROJECTS 05/12/2014

CATEGORY	DESCRIPTION	QTY	UNIT	COST/U.	TOTAL (USD)
1 - Project management					
	Project organization	5	Day	400	2 000
2 - Data					
	Data acquisition ³		Km ²	-	
	Data collection & processing ⁴	5	Day	400	2 000
3 - Design					
	Non precision approach (NPA) procedure	5	Day	400	2 000
	Precision approach procedure	7	Day	400	2 800
	STARs package (5 per runway)	5	Day	400	2 000
	SIDs package (5 per runway)	5	Day	400	2 000
4 - Charting (draft)					
	Non precision approach (NPA) chart	1	Day	400	400
	Precision approach chart	1	Day	400	400
	STARs chart	1	Day	400	400
	SIDs chart	1	Day	400	400
5 - Expertise					
	Ground validation & stakeholders consultation	5	Day	400	2 000
	Participation to flight validation ⁵	1	Day	400	400
6 - AFPP overhead charges (7% of the total)					

¹ Conventional procedures are based on the use of ground facilities: VOR, VOR-DME, NDB, ILS and MLS.

² This proposal takes into account the following activities included in steps N°1, 2, 3, 4, 5, 6, 8, 9, 10 of the quality assurance process in procedure design (ICAO doc. 9906, vol.1). Step 9 activity is relevant to the participation to the flight check.

³ Depending on the type of procedure to design, some of the terrain data may have various costs (paper charts, Digital terrain Model, etc.). They are provided by external providers but AFPP may help to choose one of them.

⁴ Prior to the use in GéotITAN software, data must be processed with many other software.

⁵ Flight validation which is not mandatory may be requested by a State.



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PBN ⁶ FLIGHT PROCEDURE DESIGN INDICATIVE PRICING⁷ 05/12/2014 FOR SIMPLE PROJECTS

CATEGORY	DESCRIPTION	QTY	UNIT	COST/U.	TOTAL (USD)
1 - Project management					
	Project organization	5	Day	400	2 000
2 - Data					
	Data acquisition ⁸		Km ²	-	
	Data collection & processing ⁹	5	Day	400	2 000
3 - Design					
	Non precision approach (NPA) procedure	5	Day	400	2 000
	ILS connexion ¹⁰	2	Day	400	800
	Approach with vertical guidance (APV)	7	Day	400	2 800
	STARs package (5 per runway)	5	Day	400	2 000
	SIDs package (5 per runway)	5	Day	400	2 000
4 - Charting (draft)					
	Non precision approach (NPA) chart	1	Day	400	400
	Precision approach or APV chart	1	Day	400	400
	STARs chart	1	Day	400	400
	SIDs chart	1	Day	400	400
5 - Expertise					
	Ground validation & stakeholders consultation	5	Day	400	2 000
	Participation to flight validation ¹¹	1	Day	400	400
FPP overhead charges (7% of the total)					

⁶ Conventional procedures are based on the use of ground facilities: VOR, VOR-DME, NDB, ILS and MLS.

⁷ This proposal takes into account the following activities included in steps N°1, 2, 3, 4, 5, 6, 8, 9, 10 of the quality assurance process in procedure design (ICAO doc. 9906, vol.1). Step 9 activity is relevant to the participation to the flight check.

⁸ Depending on the type of procedure to design, some of the terrain data may have various costs (paper charts, Digital terrain Model, etc.). They are provided by external providers but AFPP may help to choose one of them.

⁹ Prior to the use in GéoTITAN software, data must be processed with many other software.

¹⁰ ILS is not part of PBN but it's possible to connect PBN approach with ILS for a better advantage.

¹¹ Flight validation which is not mandatory may be requested by a State.