



Agenda Item 3: Implementation of performance-based navigation (PBN) in the SAM Region

Database of aircraft and operators approved for RNAV-5 operations

(Presented by the Brazil)

Summary	
This working paper presents the status of the database of aircraft and operators approved for RNAV-5 operations.	
References: <ul style="list-style-type: none">• SAM/IG/6 meeting report• En-route PBN action plan (RNAV-5)	
ICAO strategic objectives:	<i>A – Safety</i> <i>D - Efficiency</i>

1 Background

1.1 The PBN Action Plan includes Task 5.4: Establish a registry of approved aircraft and operators and keep it updated.

1.2 Within the framework of the implementation of performance-based navigation (PBN), the SAM Implementation Group (SAM/IG) has decided to establish a database of aircraft and operators approved for RNAV-5 operations and other navigation specifications, which would be under the responsibility of the CAR/SAM Monitoring Agency (CARSAMMA).

1.3 In order to create this database, the SAM/IG/5 meeting saw the need to develop the corresponding forms for the approval and cancellation of approvals, and requested the Secretariat, together with CARSAMMA and the support of Regional Project RLA/06/901, if applicable, to develop and circulate to SAM States the forms required, with a view to the creation of the aforementioned database and keeping it updated.

1.4 CARSAMMA, together with the Secretariat, developed model forms for the registry of approvals and cancellations of approvals of aircraft and operators for PBN operations.

1.5 These forms were designated “CMA F5” and “CMA F6”, and, once completed by the certification authorities, whether for an approval or cancellation of an approval, as applicable, must be sent to the CAR/SAM Regional Monitoring Agency (CARSAMMA). This is the only database of PBN approvals available in the Region. Furthermore, instructions are available for completing forms CMA F5 and CMA F6.

1.6 This database (simplified version) will be available on the Internet for consultation by all stakeholders, and the full version of the form will be sent every month to other agencies (RMAs) for the exchange of information.

1.7 Through LT 11/30.2-SA455 of 8 July 2010, the forms for the approval and cancellation of approval of aircraft and operators for performance-based navigation (PBN) were made available to aeronautical authorities. In this regard, the meeting formulated the following conclusion:

CONCLUSION SAM/IG/6-3 Forms CMA F5 and CMA F6

That SAM States take the corresponding steps to use forms CMA F5 and CMA F6, which are attached as Appendices A and B to this part of the report, sending them to CARSAMMA as soon as aircraft and operators are approved for PBN operations.

2 Discussion

2.1 Task 5.4 is essential for the implementation of RNAV-5 on the date foreseen (22 September 2011) to ensure that an adequate percentage of aircraft and operators are approved for RNAV-5 operations.

2.2 The appendix to this working paper shows that the number of aircraft and operators that have been approved for RNAV-5 operations is still small, which may jeopardise implementation on the date foreseen. To date, only two States of the Region have sent data on such approvals (Argentina and Colombia).

3. Suggested action

3.1 The Meeting is invited to take note of the information provided and to establish a strategy that ensures that an adequate percentage of aircraft and operators are approved for RNAV-5 operations, taking into account the data presented in **Appendix A** to this working paper.

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Informe de Aeronaves Certificadas PBN Clasificado por Autoridad de Certificación

	Explotador	Estado Registro	Estado Explotador	Registro	Tipo	Serie	Serial Number	Codigo de Aprobación	Fecha Aprobación	Fecha Emisión	Informe Adicional
Administración Nacional de Aviación Civil (Argentina)											
16	LAN	SA	SA	LVBSJ	A320	233	1332	B2, B3, B4, B5	10/13/10	11/08/10	
71	LAN	SA	SA	LVCKV	A322	A320-233	1568	B2, B3, B4 Y B5	04/20/11	04/25/11	
24	LAN	SA	SA	LVCDQ	B763	316ER	35229	B2, B3, B4, B5	10/06/10	11/08/10	
23	LAN	SA	SA	LVBET	A320	233	1854	B2, B3, B4, B5	10/13/10	11/08/10	
22	LAN	SA	SA	LVBFO	A320	233	1877	B2, B3, B4, B5	10/13/10	11/08/10	
21	LAN	SA	SA	LVBHU	A320	233	1512	B2, B3, B4, B5	10/13/10	11/08/10	
20	LAN	SA	SA	LVBGI	A320	233	1903	B2, B3, B4, B5	10/13/10	11/08/10	
19	LAN	SA	SA	LVBFY	A320	233	1858	B2, B3, B4, B5	10/13/10	11/08/10	
17	LAN	SA	SA	LVBRA	A320	233	1304	B2, B3, B4, B5	10/13/10	11/08/10	
15	LAN	SA	SA	LVCV	B763	316ER	34629	B2, B3, B4, B5	10/06/10	11/08/10	
14	LAN	SA	SA	LVBRY	A320	233	1351	B2, B3, B4, B5	10/13/10	11/08/10	
13	LAN	SA	SA	LVBTM	A320	233	1548	B2, B3, B4, B5	10/13/10	11/08/10	
70	LAN	SA	SA	LVCKU	B763	767-316	34628	B2, B3, B4 Y B5	03/22/11	04/07/11	
69	ROY	SA	SA	LVCCG	C56X	:SSNA 560	560-5137	B2, B3	03/18/11	03/23/11	
28	ROY	SA	SA	LVCCF	C56X	:SSNA560	560-5150	B2, B3, B4	02/23/11	03/09/11	
27	ROY	SA	SA	LVBRJ	C750	:ESSNA750	750-0013	B2, B3, B4, B5	02/23/11	03/09/11	
26	ROY	SA	SA	LVAXN	C525	:ESSNA525	525-0327	B2, B4	02/23/11	03/09/11	
25	ROY	SA	SA	LVAMB	C525	:ESSNA525	525-045	B2, B3, B4	02/23/11	03/09/11	
18	ROY	SA	SA	LVAIW	C56X	560XL	560-5350	B2, B3, B4	10/12/10	11/08/10	

Explotador	Estado Registro	Estado Explotador	Registro	Tipo	Serie	Serial Number	Codigo de Aprobación	Fecha Aprobación	Fecha Emisión	Informe Adicional
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Unidad Administrativa Especial de Aeronautica Civil (Colômbia)

32	RPB	MP	SK	HP1566CMP	E190	100AR	19000165	A1, B1, C1, D1, S1	03/14/11	03/16/11
31	RPB	MP	SK	HP1563CMP	E190	100AR	19000098	A1, B1, C1, D1, S1	03/14/11	03/16/11
30	RPB	MP	SK	HP1562CMP	E190	100AR	19000095	A1, B1, C1, D1, S1	03/14/11	03/16/11
3	RPB	SK	SK	HK4505	E190	100LR	19000114	A1, B1, C1, D1, S1	03/14/11	03/16/11
11	RPB	MP	SK	HP1371CMP	B737	700(7V3)	30049	A1, B1, C1, D1, S1	03/14/11	03/16/11
4	RPB	SK	SK	HK4506	E190	100LR	19000110	A1, B1, C1, D1, S1	03/14/11	03/16/11
5	RPB	SK	SK	HK4507	E190	100LR	19000122	A1, B1, C1, D1, S1	03/14/11	03/16/11
6	RPB	SK	SK	HK4508	E190	100LR	19000138	A1, B1, C1, D1, S1	03/14/11	03/16/11
1	RPB	SK	SK	HK4454	E190	100LR	19000061	A1, B1, C1, D1, S1	03/14/11	03/16/11
7	RPB	SK	SK	HK4559	E190	100LR	19000200	A1, B1, C1, D1, S1	03/14/11	03/16/11
8	RPB	SK	SK	HK4560	E190	100LR	19000208	A1, B1, C1, D1, S1	03/14/11	03/16/11
9	RPB	SK	SK	HK4599	E190	100LR	19000269	A1, B1, C1, D1, S1	03/14/11	03/16/11
10	RPB	SK	SK	HK4601	E190	100LR	19000251	A1, B1, C1, D1, S1	03/14/11	03/16/11
12	RPB	MP	SK	HP1372CMP	B737	700(7V3)	28607	A1, B1, C1, D1, S1	03/14/11	03/16/11
2	RPB	SK	SK	HK4456	E190	100LR	19000074	A1, B1, C1, D1, S1	03/14/11	03/16/11
37	AVA	K	SK	N967CG	A332	0967	002	A1, B1, C1, D1, S1	03/14/11	03/22/11
29	AVA	SK	SK	HK4453	E190	100LR	19000063	A1, B1, C1, D1, S1	03/14/11	03/16/11
33	AVA	K	SK	N421AV	B762	25421	407	A1, B3, B4, B5, C3, C4, D3, D4	03/14/11	03/22/11
62	AVA	K	SK	N417AV	A322	4175	013	A1, B1, C1, D1, S1	03/14/11	03/22/11
35	AVA	K	SK	N984AN	B763	24357	262	A1, B3, B4, B5, C3, C4, D3, D4	03/14/11	03/22/11
55	AVA	K	SK	N401AV	A322	4001	007	A1, B1, C1, D1, S1	03/14/11	03/22/11
56	AVA	K	SK	N411AV	A322	4011	008	A1, B1, C1, D1, S1	03/14/11	03/22/11
57	AVA	K	SK	N416AV	A322	4167	012	A1, B1, C1, D1, S1	03/14/11	03/22/11

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58	AVA	K	SK	N451AV	A322	4051	010	A1, B1, C1, D1, S1	03/14/11	03/22/11	
59	AVA	K	SK	N481AV	A322	4381	019	A1, B1, C1, D1, S1	03/14/11	03/22/11	
53	AVA	K	SK	N345AV	A322	4345	017	A1, B1, C1, D1, S1	03/14/11	03/22/11	
61	AVA	K	SK	N426AV	A322	4026	009	A1, B1, C1, D1, S1	03/14/11	03/22/11	
52	AVA	K	SK	N284AV	A322	4284	016	A1, B1, C1, D1, S1	03/14/11	03/22/11	
63	AVA	K	SK	N567AV	A322	4567	022	A1, B1, C1, D1, S1	03/14/11	03/22/11	
64	AVA	K	SK	N599AV	A322	4599	023	A1, B1, C1, D1, S1	03/14/11	03/22/11	
65	AVA	K	SK	N664AV	A322	3664	002	A1, B1, C1, D1, S1	03/14/11	03/22/11	
66	AVA	K	SK	N961AV	A322	3961	003	A1, B1, C1, D1, S1	03/14/11	03/22/11	
67	AVA	K	SK	N980AV	A322	3980	004	A1, B1, C1, D1, S1	03/14/11	03/22/11	
68	AVA	K	SK	N992AV	A322	3992	006	A1, B1, C1, D1, S1	03/14/11	03/22/11	
60	AVA	K	SK	N446AV	A322	4046	011	A1, B1, C1, D1, S1	03/14/11	03/22/11	
45	AVA	SK	SK	HK4552	A319	3518	102	A1, B1, C1, D1, S1	03/14/11	03/22/11	
36	AVA	K	SK	N948AC	A332	0948	001	A1, B1, C1, D1, S1	03/14/11	03/22/11	
38	AVA	K	SK	N968AV	A332	1009	003	A1, B1, C1, D1, S1	03/14/11	03/22/11	
39	AVA	K	SK	N969AV	A332	1016	004	A1, B1, C1, D1, S1	03/14/11	03/22/11	
40	AVA	K	SK	N973AV	A332	1073	005	A1, B1, C1, D1, S1	03/14/11	03/22/11	
41	AVA	K	SK	N592EL	A318	2358	803	A1, B1, C1, D1, S1	03/14/11	03/22/11	
42	AVA	K	SK	N591EL	A318	2333	802	A1, B1, C1, D1, S1	03/14/11	03/22/11	
54	AVA	K	SK	N398AV	A322	3988	005	A1, B1, C1, D1, S1	03/14/11	03/22/11	
44	AVA	SK	SK	HK4553	A319	3467	101	A1, B1, C1, D1, S1	03/14/11	03/22/11	
34	AVA	K	SK	N728CG	B762	24728	305	A1, B3, B4, B5, C3, C4, D3, D4	03/14/11	03/22/11	
46	AVA	K	SK	N619AV	A319	3691	202	A1, B1, C1, D1, S1	03/14/11	03/22/11	
47	AVA	K	SK	N647AV	A319	3647	201	A1, B1, C1, D1, S1	03/14/11	03/22/11	
48	AVA	K	SK	N422AV	A319	4200	203	A1, B1, C1, D1, S1	03/14/11	03/22/11	

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49	AVA	SK	SK	HK4549	A320	3408	001	A1, B1, C1, D1, S1	03/14/11	03/22/11	
50	AVA	SK	SK	HK4659	A320	4100	015	A1, B1, C1, D1, S1	03/14/11	03/22/11	
51	AVA	K	SK	N281AV	A320	4281	014	A1, B1, C1, D1, S1	03/14/11	03/22/11	
43	AVA	K	SK	N590EL	A318	2328	801	A1, B1, C1, D1, S1	03/14/11	03/22/11	