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Paramaribo, April 15<sup>th</sup>, 2008

No. 2-2008-PEL

## **Decision Director CASAS**

**SUBJECT: Class and Type Ratings List - Aeroplanes  
- Helicopters**

### **Introduction:**

In accordance with CARS Part 2.2.2.2, the CASAS may issue ratings to place on a pilot licence or flight instructor licence. This Decision Director CASAS contains in listed format the Class and Type Ratings for Aeroplanes and Helicopters to be placed on a pilot licence or flight instructor licence.

The lists are as follows:

- Class Ratings of Aeroplanes
- Type Ratings of Aeroplanes
- Type Ratings of Helicopters

Director CASAS  
a/s April 15<sup>th</sup>, 2008  
V. Hanenberg

## List of Class of aeroplane

For an explanation of the table refer to CARS Part 2.2.2.2:

- (a) the symbol (D) in column 3 indicates that differences training is required when moving between variants or other types of aeroplane which are separated by the use of a line in column 2
- (b) although the licence endorsement (column 4) contains all aeroplanes listed in column 2, the required familiarisation or differences training has still to be completed
- (c) the specific variant on which the skill test for the class rating has been completed will be recorded according to CARS Part 2
- (d) the symbol HPA (High Performance Aeroplane) in column 3 indicates that additional knowledge instruction [ ] is required for this type of aeroplane if the applicant for the type rating is not the holder of an ATPL(A) or has no theoretical knowledge credit at ATPL(A) level
- (e) Aeroplanes not listed may be entered into a Surinamese licence, but the rating privileges are restricted to aeroplanes on the register of the State of rating issue

### 1. Single/multi engine piston aeroplane (land/sea) - Single-pilot (SP) (A)

1 Manufacturer	2 Aeroplanes	3	4 Licence Endorsement
All manufacturers	Single-engine piston (land)	(D)	Single engine (land)
	Single-engine piston (land) with Variable pitch propellers (VP)		
	Single-engine piston (land) with Retractable undercarriage (RU)		
	Single-engine piston (land) with Turbo/super charged engines (T)		
	Single-engine piston (land) with Cabin pressurisation (P)		
	Single-engine piston (land) with Tail Wheel (TW)		
	Single-engine piston (sea)	(D)	Single engine (sea)
	Single-engine piston (sea) with Variable pitch propellers (VP)		
	Single-engine piston (sea) with Turbo/super charged engines (T)		
	Single-engine piston (sea) with Cabin pressurisation (P)		
1 Manufacturer	2 Aeroplanes	3	4 Licence Endorsement
All Manufacturers	Multi-engine piston (land)	(D)	Multi engine (land)
	Multi-engine piston (sea)	(D)	Multi engine (sea)

## 2. Single-engine turboprop (land) - Single-pilot

1 Manufacturer	2 Aeroplanes	3	4 Licence endorsement
Aerospatiale (Socata)	TBM 700	(HPA)	Single engine (land)
Aero Vodochody a.s.	Ae 270	(HPA)	Single engine (land)
Snow/Rockwell/Ayres	S2R turbo thrush		Single engine (land)
Cessna	206 A/T Soloy 207 A/T Soloy	(D)	Single engine (land)
	208		
De Havilland(AirTech Canada) (Bombardier)	DHC-3 Turbo-Otter		Single engine (land)
	DHC-2 Turbo-Beaver		Single engine (land)
Gulfstream	Am.G-164D		Single engine (land)
Pilatus	PC-6 (manual stabilizer trim)	(D)	Single engine (land)
	PC-6 (electrical stabilizer trim)		
	PC-7		
Rhein Flugzeugbau	FT 600		Single engine (land)

## 3. Single-engine piston touring motor gliders (land) - Single-pilot

1 Manufacturer	2 Aeroplanes	3	4 Licence endorsement
All manufacturers	All Touring Motor Gliders having an integrally mounted, non-retractable engine and a non-retractable propeller		Single engine (land)

## List of Type of aeroplane

This list includes aeroplanes type certificated in ICAO Member States:

For an explanation of the table refer to CARS Part 2.2.2.2:

- (a) the symbol (D) in column 3 indicates that differences training is required when moving between variants or other types of aeroplane which are separated by the use of a line in column 2;
- (b) although the licence endorsement (column 4) contains all aeroplanes listed in column 2, the required familiarisation or differences training has still to be completed;
- (c) the specific variant on which the skill test for the type rating has been completed will be recorded according to CARS Part 2.
- (d) the symbol HPA (High Performance Aeroplane) in column 3 indicates that additional knowledge instruction [ ] is required for this type of aeroplane if the applicant for the type rating is not the holder of an ATPL(A) or has no theoretical knowledge credit at ATPL(A) level.
- (e) SP\* means Single Pilot certificated.

### A. SINGLE PILOT AEROPLANES

#### 1. Multi-engine turboprop aeroplane (land) : single-pilot (SP) (A)

1 Manufacturer	2 Aeroplanes	3	4 Licence endorsement
Asta GAF	Nomad-22B -24A		Multi engine (land)
Beechcraft	90 series	(HPA) (D)	Multi engine (land)
	99 series		
	100 series		
	200 series		
	300 series	(HPA) (D)	Multi engine (land)
Cessna/Reims Aviation	1900 series		
	F406 425	(HPA)	Multi engine (land)
De Havilland - Canada (Bombardier)	441	(HPA)	Multi engine (land)
	DHC6 series		Multi engine (land)
Dornier	DO 128-6		Multi engine (land)
	DO 228 series		Multi engine (land)
Embraer	Bandeirante EMB 110		Multi engine (land)
Grumman	Tracker S2FT		Multi engine (land)
Mitsubishi	MU 2B series	(HPA)	Multi engine (land)
Piaggio	P166		Multi engine (land)
	P180	(HPA)	Multi engine (land)
Pilatus Britten	BN2T Turbine Islander	(D)	Multi engine (land)
	BN2T - 4R MSSA BN2T - 4S Defender		
	PA42 series Cheyenne III		
Piper	PA31 series Cheyenne I/II	(HPA) (D)	Multi engine (land)

1 Manufacturer	2 Aeroplanes	3	4 Licence endorsement
Rockwell	AC 680T AC 690 series AC 900 series	(HPA)	Multi engine (land)
Short(Bombardier)	SC7Skyvan		Multi engine (land)
Swearingen/Fairchild	226 T 226 T(B)  226AT 226TC  227TT  227 AC 227 AT 227 BC	(HPA) (D)	Multi engine (land)

## 2. Single engine - single-pilot

1 Manufacturer	2 Aeroplanes	3	4 Licence endorsement
Pilatus	PC-7 MkII PC-9 PC-9 (M)	(HPA)	Single engine (land)
	PC-12 series	(HPA)	Single engine (land)
Piper	PA-46 Malibu	(HPA)	Single engine (land)
	PA-46 Malibu Turbine	(D)	
Walter Extra	Extra 400	(HPA)	Single engine (land)

## 3. Multi-engine turbo-prop (sea) - single-pilot

1 Manufacturer	2 Aeroplanes	3	4 Licence endorsement
Canadair(Bombardier)	CL215T		Multi engine (land)

## 4. Multi-engine turbo-jet (land) - single-pilot (SP)

1 Manufacturer	2 Aeroplanes	3	4 Licence endorsement
Aerospatiale	MS 760 Paris	(HPA)	Multi engine (land)
Cessna	C501/500SP*	(HPA)	Multi engine (land)
	C551/550SP*	(D)	
	C525	(HPA)	Multi engine (land)

## B. MULTI PILOT AEROPLANES

1 Manufacturer	2 Aeroplanes	3	4 Licence endorsement
Aerospatiale/Sud Aviation	SN601 Corvette		SN601
	SE 210 III IIIR VIN	(D)	SE210/10B3/11/12
	SE 10B3		
	SE 11		
	SE 12		
Aerospatiale/BAC	Concorde		Concorde
Aerospatiale/Nord Aviation	Nordatlas 2501		ND25
	C160 P Transall		ND16
	260A Nord 262 A-B-C Nord		ND26
Aero Spaceline	377 SGTF Super Guppy		SuperGuppy
Airbus	A300-B1 -B2 series -B4 series -C4-200 series -F4-200 series		A300
	A300-FFCC		A300FFCC
	A310 -200 series -300 series A300-B4 600 series -C4 600 series -F4 600 series		A310/300-600
	A318-100 series A319-100 series A320-100 series -200 series A321-100 series -200 series		A320
	A330-300 series -200 series		A330
	A340-200 series -300 series -500 series -600 series		A340
	A300-600ST/Beluga		A300-600ST
	Antonov	An-28	
ATR	ATR 42 (not PEC* equipped)	(D)	ATR42/72
	ATR 42 (PEC* equipped)		
	ATR 72 (not PEC* equipped)		
	ATR 72 (PEC* equipped) *Propeller Electronic Control		
Mitsubishi/Beech/Raytheon	Beechjet 400 series MU 300		Beech400/MU300

1 Manufacturer	2 Aeroplanes	3	4 Licence endorsement
Boeing	B707-100 series -300 series	(D)	B707/720
	B720		
	B717 series		B717
	B727-100 series -200 series		B727
	B737-100 series -200 series		B737 100-200
	B737-300 series -400 series -500 series	(D)	B737 300-900
	-600 series -700 series -800 series -900 series		
	B747-100 series -200 series -300 series	(D)	B747 100-300
	B747-SP		
	B747-400 series		B747 400
	B757-200 series -300 series	(D)	B757/767
	B767-200 series -300 series		
	B767 -400 ER ①		
	B777-200 series 300 series		B777
② The differences training course is valid from the B757/767 'classic' to the B767-400ER for crew members previously qualified on the B757/767 'classic' variants. The 767-400ER to B757/767 'classic' differences training shall be evaluated or the full type rating training shall be accomplished.			
Bombardier	Global Express : 1-A-10 1-A-11		BD700
British Aerospace / AVRO	ATP Jetstream 61		BAe/ATP/Jetstream 61
	AVRO RJ series 146-100 series -200 series -300 series		AVRORJ/Bae146
British Aerospace / AVRO	BAC 1-11-200 series -400 series -500 series		BAC1-11

1 Manufacturer	2 Aeroplanes	3	4 Licence endorsement
Hawker Siddeley/Bae/Raytheon	HS125 series	(D)	HS125
	Bae 125-800series -1000 series		
	HS 748 series		HS748
Hawker Siddeley/Bae	Jetstream 3100 series 3200 series		Jetstream31/32
Bae / Avro	Jetstream 41		Jetstream41
Canadair (Bombardier)	CL 30		CL30
	CL 415		CL415
	(Challenger series ) CL 600 CL 601-1A CL 601-3A		CL600/601
	(Challenger) CL 604		CL604
	(Regional Jet series) CRJ -100 -200	(D)	CRJ 100
	-700 -705 -900		
Casa	C212 series		C212
	CN-235		CN235
Cessna	C 500	(D)	C500/550/560
	C 550		
	CS 550		
	CS 550 Bravo		
	C 560 Encore		C560XL
	C 560XL		C560XL
	C650 Citation III Citation VI Citation VII		C650
	C 680 Sovereign		C680
C750 Citation X		C750	
Consolidated Vultee Aircraft	CV 240-4	(D)	CV240/340/440
	CV 340		
	CV 440		
	CV 580		CV580
Dassault	Falcon 10	(D)	Falcon10/100
	Falcon 100		
	Falcon 20 series	(D)	Falcon20/200
	Falcon 200		
	Falcon 50	(D)	Falcon50/900
	Falcon 900		
	Falcon 900 EX		
Falcon 900 EX EASy Falcon 900 DX		Falcon900EX EASy	



1 Manufacturer	2 Aeroplanes	3	4 Licence endorsement
	Falcon 2000	(D)	Falcon2000/2000EX
	Falcon 2000EX ②		
	Falcon 2000EX EASy		Falcon2000EX EASy
	②The differences training course is valid from the Falcon 2000 to the Falcon 2000EX for crew members previously qualified on the Falcon 2000. The Falcon 2000EX to the Falcon 2000 differences training shall be evaluated or the full type rating training shall be accomplished.		
De Havilland - Canada (Bombardier)	DHC7		DHC7
	DHC8-100 series -200 series -300 series	(D)	DHC8
	DHC8-400 series		
Dornier	DO 328-100		DO328-100
	DO 328-300		DO328-300
McDonnell-Douglas	Douglas A-26B		DCA26
	Douglas -3A-S1C3G		DC3
	DC4		DC4
	DC6 series		DC6
	DC7C		DC7
McDonnell-Douglas/Boeing	DC8-33 -50, 60,70 series		DC8
	DC9 10-50 series		DC9 10-50
	DC9 80 series	(D)	DC9 80/MD88/MD90
	MD 88 series MD 90 series		
	DC10 series		DC10
	MD 11		MD11
Embraer	EMB 120 Brasilia		EMB120
	EMB 145 - 135,145 series		EMB 135/145
	ERJ 170-100 ERJ 170-200 ERJ 190-100		EMB170
Fokker/Fairchild	FH227 F27A/F/J F27 series		F27
	F28 series		F28
	F50		F50
	F70 F100		F70/100
Grumman Gulfstream	Grumman G-159		GulfstreamI
	Grumman G-1159	(D)	GulfstreamII/III
	Grumman G-1159A		
	Gulfstream 1159C		GulfstreamIV
	Gulfstream V	(D)	G-V
	G V-SP		
GIV-X			
Handley Page	Herald series		Herald

1 Manufacturer	2 Aeroplanes	3	4 Licence endorsement
Israel Aircraft Industry	IAI -1121 Jetcommander -1123 Commodore Jet -1124 Westwind		IAI1121/23/24
	IAI -1125 Astra		IAI1125
Junkers	Junkers 52		JU52
Lockheed	L188 Electra series A	(D)	L188 Electra
	L188 Electra series C		
	L382 G (C 130)		Hercules
	L1011 series		L1011
	L1329		Jetstar
Learjet(Bombardier)	Learjet-20 series	(D)	Learjet20/30
	-30 series		
	Learjet-45 series		Learjet45
	Learjet-55 series		Learjet55
	Learjet-60 series		Learjet60
Leteckee	L410 UVP		LetL410
MBB	HFB 320		HFB320
	VFW 614		VFW-614
PT Industry	IPTN CN 235-110		IPTNCN235
Rockwell International	NA-265 series		NA265
Saab	SAAB SF340 series		SAAB340
	SAAB 2000		SAAB2000
Short Brothers(Bombardier)	SD3 -30	(D)	SD3-30/60
	-60		
	SC5 Belfast		Belfast
Vickers-Armstrong	Vanguard		Vanguard
	Viscount		Viscount

## TYPE RATINGS LIST - Helicopters

1 Manufacturer	2 Helicopter	3	4 Licence endorsement
<b>Agusta</b>			
- ME Turbine -	AB139/AW139		A139
<b>Eurocopter</b>			
- ME Turbine -	AS 355 E AS 355 F AS 355 F 1 AS 355 F 2	(D)	AS355
	AS 355 N		
	AS 355NP		
<b>Sikorsky</b>			
- ME Turbine -	S-92 A		SK92

### Licence Endorsement List - Type Ratings (Helicopters)

1 Manufacturer	2 Helicopter	3	4 Licence endorsement
<b>Agusta</b>			
- SE Turbine -	A 119 KOALA		A119
- ME Turbine -	A 109 A	(D)	<b>A109</b>
	A 109 A II		
	A 109 C		
	A 109 K2		
	A 109 E		
	A 109 LUH		
	A 109 S		
<b>Agusta-Bell</b>			
- SE Piston -	Agusta Bell 47G-2 Agusta Bell 47G-2A-1 Agusta Bell 47G-3B-1 Agusta Bell 47G-4 Agusta Bell 47G-4A Agusta Bell 47J Agusta Bell 47J-2 Agusta Bell 47J-3		Bell47
- SE Turbine -	Agusta Bell 206 A	(D)	<b>Bell206</b>
	Agusta Bell 206 B		
	Agusta Bell 206 L		
	Agusta Bell 204	(D)	Bell204/205/UH-1D
Agusta Bell 205			
- ME Turbine -	Agusta Bell 212	(D)	Bell212/412
	Agusta Bell 412		
	Agusta Bell 412 SP		
<b>Agusta Sikorsky</b>			
- ME Turbine -	Agusta S-61 N 1		SK-61

1 Manufacturer	2 Helicopter	3	4 Licence endorsement			
<b>Bell Helicopters</b>						
- <i>SE Piston</i> -	Bell 47 D Bell 47 G Bell 47 G-1 Bell 47 G-2 Bell 47 G-3 B-1 Bell 47 G-4 Bell 47 G-4A Bell 47 G-5 Bell 47 H-1 Bell 47 J Bell 47 J-2 Bell 47 J-2 A		Bell47			
- <i>SE Turbine</i> -	Bell 47 T		Bell47T			
	Bell 47 TA					
	Bell 204	(D)	Bell204/205/UH-1D			
	Bell 205 A-1					
	Bell UH-1D Bell UH-1H					
	Bell 206 A Bell 206 B Bell 206 B 2 Bell 206 B 3 Bell 206 L Bell 206 L-1 Bell 206 L-3 Bell 206 L-4	(D)	<b>Bell206</b>			
				Bell 214 B Bell 214 B 1		Bell214
				Bell 407		Bell407

1 Manufacturer	2 Helicopter	3	4 Licence endorsement
<i>Bell Helicopters (continued)</i>			
- ME Turbine -	Bell 206 LT Twinranger		Bell206LT
	Bell 212	(D)	Bell212/412
	Bell 412 Bell 412 SP Bell 412 HP Bell 412 EP		
	Bell 214 ST		
	Bell 222 Bell 222 A Bell 222 B Bell 222 UT Bell 222 SP	(D)	Bell222/230/430
	Bell 230		
	Bell 430		
	Bell 427		Bell427
	<b>Boeing-Vertol</b>		
- ME Turbine -	Boeing 234 LR		BV234
<b>Bristol Aircraft</b>			
- SE Piston -	B-171-B		Bristol171B
<b>Brantley</b>			
- SE Piston -	B-2 B-2 B		BrantleyB2
<b>Breda Nardi</b>			
- SE Piston -	Breda Nardi 269		HU269
- SE Turbine -	Breda Nardi 369		HU369
<b>EH Industries</b>			
- ME Turbine	EH 101		EH101

1 Manufacturer	2 Helicopter	3	4 Licence endorsement
<b>Enstrom</b>			
- SE Piston -	F 28 A – D F 28 C 2 F 28 F F 280 C F 280 F F 280 FX F 280 D		ENF28
- SE Turbine -	F 480		ENF480
<b>Erickson Air-Crane Incorporated</b>			
- ME Turbine -	<b>S 64F</b>		<b>S64F</b>
<b>Eurocopter</b>			
- SE Turbine –	AS 350 B AS 350 B 1 AS 350 B 2 AS 350 D AS 350 B A AS 350 BB	(D)	<b>AS350</b>
	AS 350 B 3		
	EC 130 B 4		EC130B4
	EC 120		EC120
	SA 341 G SA 342 J		SA341/342
	SA 3180 SA 318 B SA 318 C SE 3130 SE 313 B		SA318/SE313
	SE 3160 SA 316 B SA 316 C	(D)	SA316/319/315
	SA 319 B		
	SA 315 B		
	SA 360		SA360
	SO 1221		SO1221

1 Manufacturer	2 Helicopter	3	4 Licence endorsement
<i>Eurocopter (continued)</i>			
- ME Turbine -	AS 332 C AS 332 C 1 AS 332 L AS 332 L 1	(D)	<b>AS332/EC225</b>
	AS 332 L 2		
	EC 225 LP		
	BO 105 A BO 105 C BO 105 D BO 105 LS A-1 BO 105 LS A-3 BO 105 S BO 105 CBS		<b>BO105</b>
	EC 135 T1 CDS EC 135 P1 CDS	(D)	EC135
	EC 135 T1 CPDS EC 135 P1 CPDS EC 135 T2 CPDS EC 135 P2 CPDS		
	MBB-BK 117 A-1 MBB-BK 117 A-3 MBB-BK 117 A-4 MBB-BK 117 B-1 MBB-BK 117 B-2		
	MBB-BK 117 C-1	(D)	BK117
	MBB-BK 117 C-2		



1 Manufacturer	2 Helicopter	3	4 Licence endorsement
<i>Eurocopter (continued)</i>			
- ME Turbine -	SA 330 F SA 330 G SA 330 J		SA330
	SA 365 SA 365 C 1 SA 365 C 2 SA 365 C 3	(D)	<b>SA365/AS365</b>
	SA 365 N SA 365 N 1 AS 365 N 2		
	AS 365 N 3		
	EC 155 B/B1		EC155
	<b>Guimbal</b>		
- SE Piston -	<b>Cabri G2</b>		<b>G2</b>
<b>Hiller</b>			
- SE Piston -	UH 12 A UH 12 B UH 12 E		UH12
-SE Turbine	UH 12 T		UH 12 T
<b>Hughes/Schweitzer</b>			
- SE Piston -	269 A 269 B 269 C 300 C 300 CB 300 CBi		HU269
- SE Turbine -	330 SP 333		SC330
<b>Kaman</b>			
- SE Turbine -	Kaman K 1200		K1200

1 Manufacturer	2 Helicopter	3	4 Licence endorsement
<b>McDonnell Douglas Helicopters</b>			
- SE Turbine -	Hughes 369 D Hughes 369 E Hughes 369 HE Hughes 369 HS	(D)	HU369/MD500N/600
	MD 500 N (NOTAR) MD 520 N		
	MD 600		
- ME Turbine -	MD 900	(D)	MD900/902
	MD 902		
<b>Robinson</b>			
- SE Piston	R 22 R 22 A R 22 B		R22
	R 44 R44 Raven R44 Raven II		R44
<b>Silvercraft</b>			
- SE Piston -	SV 4		SV4
<b>Sikorsky</b>			
- SE Piston -	S 55		SK55
	S 58		SK58
- ME Turbine -	S 58 T		SK58T
	S 76 A S 76 A+ S 76 A++	(D)	<b>SK76</b>
	S 76 B		
	S 76 C S 76 C+ S 76 C++		
	S-61 N S-61 S		SK61
	<b>Westland</b>		
- SE Piston -	Westland Bell 47 G3 B-1		Bell47

1 Manufacturer	2 Helicopter	3	4 Licence endorsement	
<b>Westland Helicopters</b>				
- SE Piston -	Westland S 55 Series 1	(D)	WHS55	
- SE Turbine -	Westland S 55 Series 3			
<b>Ministry of Aviation Industry of Russia</b>				
- ME Piston -	Kamov KA 26 D		KA26D	
- ME Turbine -	Kamov KA 32 A		KA32	
	MIL Mi-8 MIL Mi 17 MiL Mi 171 MiL Mi 172		Mi8	
	<b>P.Z.L. Swidnik, Poland</b>			
	- ME Turbine -	MIL Mi-2		Mi-2
PZL KANIA			KANIA	
PZL W-3		(D)	W-3SOKOL	