



U.S. Department
of Transportation
**Federal Aviation
Administration**

Advisory Circular

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10A TECHNICAL UNIT

Subject: **PILOT CERTIFICATES: AIRCRAFT
TYPE RATING**

Date: 3/4/87
Initiated by: AFS-840

AC No: 61-89B
Change:

1. **PURPOSE.** This advisory circular (AC) provides pilot certificate designations adopted by the Federal Aviation Administration for aircraft type ratings. It incorporates all revisions to previous listings, including new designations for aircraft type certificated as of March 1, 1987.
2. **CANCELLATION.** AC 61-89A, Pilot Certificates: Aircraft Type Ratings, dated December 22, 1981.
3. **BACKGROUND.** Pilot schools, pilot examiners, and the general aviation public have a continuing need for a type rating reference such as that provided by this circular. It is designed to standardize aircraft designations placed on pilot certificates to show pilot type rating qualifications.
 - a. The designations in column 4 of Appendix 1 have been entered on all pilot certificates issued or reissued with aircraft type ratings since May 1, 1977.
 - b. Previously used designations listed in column 3, Appendix 1, will remain in effect and will not require a reissuance or conversion to the new type rating designations in effect as of March 1, 1987.
 - c. Appendix 2 specifies the use of the limitation area on the airman certificate for operational restrictions associated with type ratings.

William T. Brennan

William T. Brennan
Acting Director of Flight Standards

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Appendix 1PILOT CERTIFICATE AIRCRAFT TYPE DESIGNATIONS--AIRPLANES

1	2	3	4
<u>MANUFACTURER</u>	<u>MODEL DESIGNATION</u>	<u>PRIOR DESIGNATION</u>	<u>PILOT CERTIFI- CATE CURRENT DESIGNATION</u>
Aero Commander, Div. North American Rockwell Corp., USA	1121 Jet Commander Westwind	AC-1121 CJ-1123	IA-JET
Aerospatiale, France	SN 601 Corvette		SN-601
Armstrong Whitworth Aircraft, LTD., UK	Argosy AW 650	Armstrong Whit- worth AW-650	AW-650
Beech Aircraft Corp., USA	BE-300/1900 200T/200TC		BE-300, BE-1900 BE-200
(Formerly Mitsubishi Aircraft Inter- national, Inc.)	Diamond I and MU-300-10	MU-300	MU-300, BE-400
Boeing Co., USA	B-17 247-D 314 S-307, SA-307 377, C-97, YC-97 707, 720, C-135 E3-A, E-4 727 737/100/200/300, T-43 747, 747SP 757, 767	Boeing B-17 Boeing 247 Boeing 314 Boeing 307 Boeing 377 Boeing 707/720 Boeing 727 Boeing 737 Boeing 747 Boeing 757, 767	B-17 B-247 B-314 B-307 B-377 B-707, B-720 B-707 B-727 B-737 B-747 B-757, B-767
Breguet, France	Fauvette 905A		BG-905
Bristol Aircraft LTD., UK	Britannia 305		BR-305
British Aerospace Aircraft Group Hatfield Chester Div. Hatfield-Hertfordshire, England	BAE-146, 100/200 Series 100/200 Series		BAE-146

PILOT CERTIFICATE AIRCRAFT TYPE DESIGNATIONS--AIRPLANES CONTINUED

1	2	3	4
<u>MANUFACTURER</u>	<u>MODEL DESIGNATION</u>	<u>PRIOR DESIGNATION</u>	<u>PILOT CERTIFICATE CURRENT DESIGNATION</u>
British Aerospace Aircraft Group Scottish Div. Ayrshire, Scotland KA92RW	HP. 137, MK.1 Jetstream Series 200 Jetstream 3101		EA-3100
British Aircraft Corp., UK	BAC 1-11	BAC-1-11	EA-111
B/A Concorde	Concorde SST		CONCRD
Bushmaster Aircraft	Bushmaster 2000		BU-2000
Canadair, LTD. Canada	CL-44, OC-6 CL-215 IA10 (Challenger) CL-600 (Challenger)	Canadair	CL-44 CL-600
Cessna Aircraft Corp., USA	Cessna 500 Series Citation III, Model 650		CE-500 CE-650
Chase (also Roberts Aircraft Co.), USA	YC-122	Chase YC-122	YC-122
Consolidated Vultee Aircraft	(See General Dynamics Corp.)		
Convair	(See General Dynamics Corp.)		
Constructiones Aeronauticas S.A.	CASA (Model) C-212-CB C-235		CA-212 CN-235
Curtiss-Wright Corp., USA	Commando CW-20	Curtiss-Wright C-46	CW-46
Dart Aircraft Corp.	(See General Dynamics Corp.)		
Dassault, General Aeronautique Marcel, Dassault, France	Mystere 20 Falcon, Fan Jet Mystere 10 Falcon, Fan Jet	GAMD/SUD-20	DA-20 DA-10

PILOT CERTIFICATE AIRCRAFT TYPE DESIGNATIONS--AIRPLANES CONTINUED

1	2	3	4
<u>MANUFACTURER</u>	<u>MODEL DESIGNATION</u>	<u>PRIOR DESIGNATION</u>	<u>PILOT CERTIFICATE CURRENT DESIGNATION</u>
Dassault, General Aeronautique Marcel, Dassault, France	Falcon 50 (Tri-jet) Falcon 900		DA-50
deHavilland Aircraft of Canada Ltd., Canada (See Hawker Siddeley	Caribou 4A, USAF C-7A, Army CV-2 DHC-7 DHC-8	deHavilland Caribou DH-4	DH-4 DHC-7 DHC-8
Dee Howard Co., USA	Howard 500	Howard 500	HW-500
Dornier GMBH Friedrickshafen, Germany	Dornier 228-201/101		DQ-228
Douglas Aircraft Co.	(See McDonnell Douglas)		
Empresa Brasileira de Aeronautica, Brazil	EMB-110P1, P2, P3 EMB-120		EMB-110 EMB-120
Fairchild Aircraft Corp., USA	C-119C		FA-119C
Fairchild Aircraft Corp., USA and Fokker, Netherlands	Friendship F-27 F-227	Fairchild F-27/227	F-27
Fairchild Hiller	C-82A		C-82A
Fokker, Netherlands	Fellowship F-28 (Models 1000 & 4000)		FK-28
Ford Motor Corp., USA	Tri-Motor 4-AT 5-AT	Ford 5	FO-5
Gates Learjet Corp., USA	23, 24, 25, 28, 29, 35, 36, and 50 Series	LR-23, LR-24, LR-25, LR-JET LR-28, LR-29, LR-35, LR-36	
General Dynamics Corp., USA	PB2Y, PB2Y-5	Consolidated- Vultee PB2Y	CV-PB2Y

PILOT CERTIFICATE AIRCRAFT TYPE DESIGNATIONS--AIRPLANES CONTINUED

1	2	3	4
<u>MANUFACTURER</u>	<u>MODEL DESIGNATION</u>	<u>PRIOR DESIGNATION</u>	<u>PILOT CERTIFI- CATE CURRENT DESIGNATION</u>
General Dynamics Corp., USA	PB4Y-2, QP-4B	Consolidated- Vultee P4Y	CV-P4Y
	PBY-5, 28-4, 28-5	Consolidated- Vultee PBY-5	CV-PBY-5
	LB-30, C-87A RB-24	Consolidated- Vultee LB-30	CV-LB30
	240, 340, 440, T-29, C-131	Convair 240/340/440-	CV-240, CV-340, CV-440
	22, 22M (880) (990)	Convair 880/990	CV-880, CV-990
	Napier-Eland	Napier-Eland Convair	CV-N1, CV-N2
	Mark I, Mark II Allison Propjet	Mark I/II	
	Convair 340, 440, 580	Allison 340/440	CV-A340, CV-A440
	Dart Convair 240, 340, 440	Convair 600/640	CV-600, CV-640
Groupement d'Interet Economique Airbus Industrie, France	A 300B Airbus		A-300
	A-310 Airbus		A-310
Grumman Aircraft Engineering Corp., USA	TBF, TEM, AF-2S (ref. T. O. AR-36)	Grumman TBF	G-TEM
	G-64 Albatross		G-111
	G-73 Turbo Mallard (Frakes Conversion)	FS-73T	G-73T
	G-73 Mallard	Grumman G-73	G-73
	S2F/C1A		G-S2
	G-159 Gulfstream VC-4A, TC-4C	Grumman G-159	G-159

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Appendix 1PILOT CERTIFICATE AIRCRAFT TYPE DESIGNATIONS—AIRPLANES CONTINUED

1	2	3	4
<u>MANUFACTURER</u>	<u>MODEL DESIGNATION</u>	<u>PRIOR DESIGNATION</u>	<u>PILOT CERTIFI- CATE CURRENT DESIGNATION</u>
Grumman Aircraft Engineering Corp., USA	G-1159 Gulfstream	Grumman G-1159	G-1159
Hamburger Flug- Zeubau, G.M.B.H., West Germany	Hansa Jet 320		HF-320
Handley Page Air- craft Co., Ltd., UK	Herald 300	Handley Page 300	HP-300
Hawker Siddeley Aviation Ltd., UK	DH-125	Hawker Siddeley	HS-125
	DH-106, Comet 4C	deHavilland 4C	HS-106
	DH-114 Heron	Hawker Siddeley	HS-114
	Hawker Siddeley 748		HS-748
Howard Aero Corp.	(See Dee Howard Co.)		
Israel Aircraft Ltd., Israel	Comodore Jet 1123	AC-1121 CJ-1123	IA-JET
	Westwind 1124 (See Aero Commander)		
	IAI-1125		IA-1125
	ARAVA IA 101B		IA-101
Lockheed Aircraft Corp., USA	Lighting P-38	Lockheed P-38	L-P38
	B-34, PV-1, PV-2	Lockheed B-34	L-B34
	Series 14	Lockheed 14	L-14
	18, C-57, C-60, R-50, Learstar	Lockheed 18	L-18

PILOT CERTIFICATE AIRCRAFT TYPE DESIGNATIONS—AIRPLANES CONTINUED

1	2	3	4
<u>MANUFACTURER</u>	<u>MODEL DESIGNATION</u>	<u>PRIOR DESIGNATION</u>	<u>PILOT CERTIFICATE CURRENT DESIGNATION</u>
Lockheed Aircraft Corp., USA	Constellation 049, 149, 649, 749, 1049, 1649	Lockheed Constellation	L-1049
	Electra 188, P-3	Lockheed 188	L-188
	Jetstar 1329, C-140 Jetstar 11, 1329-25	Lockheed 1329	L-1329
	382, C-130	Lockheed 382	L-382
	300, C-141	Lockheed 300	L-300
	L-1011 Tristar		L-1011
	T-33		T-33
Martin-Martietta Corp., USA	B-26 Marauder	Martin B-26C	M-B26
	PEM-5, C-162	Martin PEM-5	M-PEM-5
	Mariner/202, 404	Martin 202/404	M-202, M-404
McDonnell Douglas Aircraft Corp., USA	AD-4N		AD-4N
	A-20	Douglas A-20	DC-A20
	A-24, SBD	Douglas A-24	DC-A24
	B-26	Douglas B-26	DC-B26
	B-18	Douglas B-18	DC-B18
	B-23, UC-67	Douglas B-23	DC-B23
	DC-2, C-32, C-34 C-39, C-42	Douglas DC-2	DC-2
	DC-3, C-47, C-117	Douglas DC-3	DC-3

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Appendix 1PILOT CERTIFICATE AIRCRAFT TYPE DESIGNATIONS--AIRPLANES CONTINUED

1	2	3	4
<u>MANUFACTURER</u>	<u>MODEL DESIGNATION</u>	<u>PRIOR DESIGNATION</u>	<u>PILOT CERTIFICATE CURRENT DESIGNATION</u>
McDonnell Douglas Aircraft Corp., USA	Super DC-3, C-117D DC-3 (Turboprop)	Douglas DC-3S	DC-3S DC-3TP
	DC-4, C-54	Douglas DC-4	DC-4
	DC-6, DC-7, C-118	Douglas DC-6, DC-7	DC-6, DC-7
	DC-8	Douglas DC-8	DC-8
McDonnell Douglas Aircraft Corp., USA	DC-9, DC-9-50, C-9	Douglas DC-9	DC-9
	DC-10, KC-10		DC-10
Mitsubishi Aircraft International, Inc.	(See Beech Aircraft)		
Morane-Saulnier, France	MS760	Morane-Saulnier MS-760	MS-760
Nihon Aeroplane Manufacturing Co., Ltd., Japan	YS-11	NAMC YS-11	YS-11
Nord Aviation, Rockwell, Corp., USA	262A Super Broussard, ND 262/262 FM, Mohawk 298	Nord 262	ND-262
	NA-265 Sabreliner T-39	North American NA-265	N-265
North American Rockwell Corp., USA	B-25 Mitchell	North American	N-B25
Northrop Corp., USA	P-61 Black Widow	Northrop P-61	NH-P61
Piaggio, Italy	Piaggio-Douglas 808	Piaggio Douglas PD-808	P-808
Piper Aircraft, USA	PA-42-720 (Restricted)		PA-42R

PILOT CERTIFICATE AIRCRAFT TYPE DESIGNATIONS--AIRPLANES CONTINUED

1	2	3	4
<u>MANUFACTURER</u>	<u>MODEL DESIGNATION</u>	<u>PRIOR DESIGNATION</u>	<u>PILOT CERTIFICATE CURRENT DESIGNATION</u>
SAAB-Fairchild International, S-58188 Linkoping Sweden	SAAB-Fairchild 340		SF-340
Short Brothers and Harland Ltd., Northern Ireland (UK)	SD3-30, SD3-60 Variant 200	SD3-30	SD-3
Sikorsky Aircraft Division of United Aircraft Corp., USA	VS-44AC-32, C-34 S-43 Series	Sikorsky VS-44 Sikorsky S-43	SK-44 SK-43
Sud Aviation, France	Se Caravelle I, II, VIR	SUD 210	S-210
Swearingen Fairchild Aircraft Corp.,	SA 226-TC, SA-227-AC AT, TT		SA-227
Vickers-Armstrong British Aircraft Corp., UK	700 & 800 Series	Vickers Viscount	VC-700, VC-800

PILOT CERTIFICATE TYPE RATING INFORMATION--HELICOPTERS

<u>MANUFACTURER</u>	<u>MODEL DESIGNATION</u>	<u>PRIOR DESIGNATION</u>	<u>PILOT CERTIFICATE CURRENT DESIGNATION</u>
Aerospatiale/Aeritalia Paris, France	ATR-42		ATR-42
Bell USA	BH-214ST		BH-14ST
Boeing Vertol, USA	107-II, H-46 Kawasaki, KV107-II 114, Ch-47A Series, BV-234	Vertol 107 II	BV-107 BV-114 or BV-234

PILOT CERTIFICATE TYPE RATING INFORMATION--HELICOPTERS CONTINUED

1	2	3	4
<u>MANUFACTURER</u>	<u>MODEL DESIGNATION</u>	<u>PRIOR DESIGNATION</u>	<u>PILOT CERTIFICATE CURRENT DESIGNATION</u>
Sikorsky, USA	H-37 Series		SK-56
	S-58 Series H-34 Series	Sikorsky S-58 S-58IT	SK-58
	S-61 Series H-3 Series	Sikorsky S-61	SK-61
	S-64 Series Ch-54A Series	Sikorsky S-64	SK-64
	HH-53, CH-53A S-70 (UH-60)	Sikorsky S-65	SK-65 SK-70
Sud Aviation, USA	SA321F SA330F, SA-332 AS-330		S-321 S-330
Vertol, USA	H-21	Vertol 44	BV-44
The following is a list of helicopters weighing 12,500 pounds or less on which type ratings are issued to holders of airline transport pilot certificates only:			
Aerospatiale, France	SA 341/342 Gazelle SA 360		SA-341
	AS 350 Astar		AS-350
	SA 355 Twinstar		AS-355
	SA 360C Dauphine (SE)		SA-360
	SA 365 Dauphine (ME)		SA-365
Bell, USA	47 Series H-13 Series	Bell 47	BH-47
	204-B, UH-1-B, -D, H205A	Bell 204	BH-204
	206A, 206B	Bell 206	BH-206
	212/412 Series	Bell 212	BH-212
	214 Series	None	BH-214

PILOT CERTIFICATE TYPE RATING INFORMATION—HELICOPTERS CONTINUED

1	2	3	4
<u>MANUFACTURER</u>	<u>MODEL DESIGNATION</u>	<u>PRIOR DESIGNATION</u>	<u>PILOT CERTIFICATE CURRENT DESIGNATION</u>
Bell, USA	222 Series	None	EH-222
Brantley, USA	B-2 (YHO3ER)	Brantley B-2	BY-2
	B-305	Brantley B-305	BY-305
Costruzioni Aeronautiche Giovanni Agusta, Italy	Al09 Agusta		A-109
Enstrom, USA	F-28	Enstrom F-28	EN-28
Hiller, USA	UH-12 Series H-23 Series	Hiller UH-12	HH-12
Fairchild, USA	FH-1100	FH-1100	FA-1100
Hughes, USA	300, 269 Series	Hughes 269A	HU-269
	500, 369 Series	Hughes 500	HU-369
Kaman, USA	K-190A	Kaman K-190A	KM-190
	K-225	Kaman K-225	KM-225
	K-240, HTK-1	Kaman K-240	KM-240
	K-600	None	KM-600
Lockheed, USA	Lockheed California 286	Lockheed California 286	L-286
Messerschmitt Bolkow GmbH (West Germany)	BO-105A		BO-105
	BK-117-A1		BK-117
Omega, USA	12D1A	Omega 12D1	OM-12
Piasecki, USA	HRP-1, HRP-2	Piasecki HRP	PI-HRP
Robinson Helicopter	R-22	None	R-22
Sikorsky, USA	R-4B	Sikorsky R-4B	SKI-4

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Appendix 1PILOT CERTIFICATE TYPE RATING INFORMATION--HELICOPTERS CONTINUED

1	2	3	4
<u>MANUFACTURER</u>	<u>MODEL DESIGNATION</u>	<u>PRIOR DESIGNATION</u>	<u>PILOT CERTIFICATE CURRENT DESIGNATION</u>
Sikorsky, USA	R-5A, YR-6A R-6A, HOS-1	Sikorsky R-5A	SK-5
	S-51	Sikorsky S-51	SK-51
	S-52 Series	Sikorsky S-52	SK-52
	S-55, H-19 Series	Sikorsky S-55	SK-55
	S-62A, HH-52A	Sikorsky S-62	SK-62
	S-76		SK-76
	Silvercraft, USA	SPA-SH4	
Scheutzow, USA	Model B		SC
Sud Aviation	SE 3130, SE 313B SE 3160, SA 316B SA 3180, SA 318B SA 318C, SA 315B	Sud Alouette II/III	S-3130
	SO 1221	Sud Djinn	S-1221
Westland Helicopters, Inc., Yeoville, England	W-30		WH-30



APPENDIX 2. OPERATIONAL RESTRICTIONS


Applicants for type ratings on aircraft for which a type rating is required under Federal Aviation Regulations Section 61.31 not listed in Appendix 1 will be required to present evidence that at least one aircraft of the type concerned has been issued an aircraft type certificate for civilian use.

NOTE: Since experimental aircraft are not issued type certificates, they are not eligible for pilot type ratings.

The following operational restrictions pertaining to type ratings will appear as limitations rather than as a part of the type rating on certificates:

1. Amphibian type ratings, such as CV-PBY5, will be repeated under limitations (Item XIII) with appropriate restriction; i.e., CV-PBY5 LIMITED TO SEA, unless proficiency has been demonstrated on both land and water.
2. Type ratings restricted to VFR will be repeated under limitations (Item XIII) with appropriate restrictions; i.e., N-B25, VFR ONLY.

Example:

I. UNITED STATES OF AMERICA Department of Transportation - FEDERAL AVIATION ADMINISTRATION						XI. 
THIS CERTIFIES		IV. JOHN ROCHESTER BROWN				
THAT		V. 1243 SIXTH AVENUE				
		MIDTOWN, ARKANSAS 72123				
DATE OF BIRTH	HEIGHT IN	WEIGHT	HAIR	EYES	SEX	NATIONALITY VI.
07-04-27	70	170	BROWN	BLUE	M	USA
IX. HAS BEEN FOUND TO BE PROPERLY QUALIFIED TO EXERCISE THE PRIVILEGES OF						
II. COMMERCIAL PILOT			III. CERT NO 1234567			
RATINGS AND LIMITATIONS						
XII. AIRPLANE SINGLE AND MULTIENGINE LAND						
AIRPLANE MULTIENGINE SEA CV-PBY5						
N-B25 DC-3 B-17						
XIII. CV-PBY5 LIMITED TO SEA N-B25 VFR ONLY						
VII. _____		SIGNATURE OF HOLDER		X. <i>Donald D. Engen</i>		
X. DATE OF ISSUE: 08-26-86		VIII.		ADMINISTRATOR		
AC Form 8060-1 (8-77)						

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