

M-494.6 F
AC 183.29-1M

DATE 9/24/79

ADVISORY CIRCULAR



DEPARTMENT OF TRANSPORTATION
Federal Aviation Administration
Washington, D.C.

Subject: DESIGNATED ENGINEERING REPRESENTATIVES

1. PURPOSE. This circular lists in Appendix 1 the Designated Engineering Representatives who are available for consulting work. Designated Engineering Representatives, as direct representatives of the Federal Aviation Administration, are privileged to approve engineering or flight test information as complying with the Federal Aviation Regulations within particular categories and subject to prescribed limitations.
2. CANCELLATION. AC 183.29-1L, Designated Engineering Representatives, effective July 1, 1978, is canceled.
3. REFERENCE. Part 183 of the Federal Aviation Regulations prescribes the requirements for the issuance of designations to private persons to act in the capacity of FAA representatives in the examining, inspecting, and testing necessary for the issuance of aircraft certificates by the Administrator. Anyone interested in becoming a designee should contact the nearest FAA Engineering and Manufacturing Branch or Aircraft Engineering Division. These offices are located in: Anchorage, Alaska; Atlanta, Georgia; Aurora, Colorado; Burlington, Massachusetts; Des Plaines, Illinois; Fort Worth, Texas; Honolulu, Hawaii; Kansas City, Missouri; Los Angeles, California; New York, New York; Seattle, Washington.

A handwritten signature in cursive script, appearing to read "M. C. Beard".

M. C. BEARD
Director
Office of Airworthiness

Initiated by: AFO-513

DESIGNATED ENGINEERING REPRESENTATIVES

CONSULTANT	ADDRESS	REGION	LIMITATIONS
<u>STRUCTURES</u>			
Mike H. Abla	1103 Whitfield Lane Wichita, KS 67206	CE	Structures: (Flutter) CAR 3, 4b, FAR 23, FAR 25
James C. Addison	P.O. Box 661027 Miami, FL 33166	SO	Structures: Install equipment and make repairs, recommend approval only
Ralph Alex	1037 Stratfield Rd. Bridgeport, CT 06604	NE	Structures: Rotorcraft - fixed wing, except flutter, vibrations and fatigue
F. W. Anderson	719 19th St. Manhattan Beach, CA 90266	WE	Structures: FAR 23, 25, static structures
John C. I. Baker Norman Truck & Equip., Inc.	Pt. 1, Box 103N Norman, OK 73069	SW	Structures: CAR 3, 4b, FAR 23, 25, Flutter and vibration CAR 3, FAR 23 only
Herbert W. Barnhouse	706 13th Ave. Vero Beach, FL 32960	SO	Structures: Except flutter and vibration
Benjamin Ben-Aziz Aeronautics R & D, Inc.	10510 Victory N. Hollywood, CA 91606	WE	Structures: CAR 23, 25, Structures and flutter, prop and twin turbo prop only for flutters
Michael A. Berry	17031-156th S. E. Renton, WA 98055	NW	Structures: CAR 3, 4b, FAR 23, 25, Flutter and vibration only
Charles A. Blair	3331 Stanford San Angelo, TX 76901	SW	Structures: CAR 3, except flutter and vibration
Carl F. Branson Eranson Aircraft Corp.	4275 Broadway, Unit B Denver, CO 80216	RM	Structures: FAR 23, 25
C. H. Brent	P. O. Box 486 Pittsburg, KS 66762	CE	Structures: Privileges/limitations are structures (except dynamics) Bulletin 7, CAR 3, 4a, FAR 23
Donald D. Bruss	3107 East Funston Wichita, KS 67211	CE	Structures: Privileges/limitations are structures (limited to landing gear dynamics, wheels, brakes, and tires) - FAR 23, 25
Dr. Richard M. Carlson	20999 Sara Hills Dr. Saratoga, CA 95070	WE	Structures: Static, dynamics and fatigue for FAR 27 and 23
Walter T. Clark Clark Engineering Serv.	312 E. Main St. Lancaster, TX 75146	SW	Structures: CAR 3, 4a, 4b, FAR 21, 23, 25 - Except flutter and vibration; CAR 6, 7, FAR 27, 29 limited to structural substantiation of internal equipment installations
R. C. Coghlin	700 West 63rd Avenue Hialeah, FL 33012	SO	Structures: Install equipment and make repairs
Steven Scott Cone	13611 Heartside Place Dallas, TX 75234	SW	Structures: CAR 3, 4b, FAR 23, 25 except flutter and vibration
Richard C. Combes, Jr.	471 Carriage Drive, NE Atlanta, GA 30328	SO	Structures: (Except flutter and vibration)
L. C. Coombs	1527 El Verando Drive Thousand Oaks, CA 91360	WE	Structures: FAR 23, 25 structures only
Thomas I. Cox	19518 Leadwell Street Reseda, CA 91335	WE	Structures: FAR 23, structural analysis only
Harold E. Dale Dale Air Engineering	P.O. Box 3066 Torrance, CA 90510	WE	Structures: Plants, FAR 23
Robert B. Dale	30030 Minglewood Lane Farmington, MI 48024	GL	Structures: Bulletin 7A, CAR 3, 4, 4b, FAR 23, 25, except flutter and vibration
E. F. Dearing, Jr.	1919 Michelle Lane Lakeland, FL 33083	SO	Structures: Except flutter and vibration
Gilbert De Vore De Vore Aviation Corp.	125 Mineola Avenue Roslyn Heights, NY 11577	EA	Structures: CAR 3/4b, FAR 23/25, CAR 6/7, FAR 27/29, except vibration and flutter
Robert E. Donham	4519 Sunnyslope Avenue Sherman Oaks, CA 91403	WE	Structures: Flutter only, FAR 23, 25
James A. Dugelby	250 Hummingbird Lane Kerrville, TX 78028	SW	Structures: CARs 3, 4b, FARs 23, 25, except flutter and vibration

CONSULTANT	ADDRESS	REGION	LIMITATIONS
Gerald F. Dulin	3916 West 234th Street Torrance, CA 90505	WE	Structures: Pertaining to FAR 23 autopilot (9 passengers or less), prop driven only
Joseph B. Dwerlkotte Product Development Group	P.O. Box 177 Rose Hill, KS 67133	CE	Structures: Except flutter, CAR 3, 4b, FAR 23 and FAR 25
Charles Albert Erb	13316 Borden Sylmar, CA 91342	WE	Structures: FAR 23, 25, detail designs, flight controls only
C. D. Flanigen	6808 Collier Way Riverdale, GA 30296	SO	Structures: Install equipment and make repairs
Sanford Friezmer Specialized Testing Service	10758 Burbank Blvd. N. Hollywood, CA 91601	WE	Structures: Witness official FAA test to establish freedom from flutter only, FAR 23 & 25
V.F. Gardner	841 Mockingbird Lane Marietta, GA 30067	SO	Structures: Except flutter and vibration
Joseph Gigante	52 Hillcrest Place Westwood, MA 02090	NE	Structures: Fixed wing except flutter and fatigue
Gary Greene	454 Arbuckle Avenue Cedarhurst, NY 11516	EA	Structures: CAR 3, 4b, 6, 7, FAR 23, 25, 27, 29
L. G. Hall	4332 Bridgeway Irvine, CA 92714	WE	Structures
B. B. Hamner	5001 Fall River Fort Worth, TX 76103	SW	Structures: CAR's 8, 3, FAR 23, except flutter and vibration
Dr. James F. Hauser	2850 Kenyon Circle Boulder, CO 80303	RM	Structures: CAR 3, FAR 23
Quinton J. Hawthorne	Rural Route 4, Box 924 Fremont, IN 46737	GL	Structures: Bulletin 7A, CAR's 3, 4, 4b, FAR's 23, 25, except flutter and vibration
Walter Billyer, Jr.	4218 - Lomo Del Sur LaMesa, CA 92041	WE	Structures
Harold W. Holdeman	Route 2, Box 139A Mineral Wells, TX 76067	SW	Structures: CAR 3, FAR 23, except flutter and vibration, and limited to installations of Mitchell gyros, autopilots, and flight directors
E. B. Hooper	115 Bonnie Brae Wichita, KS 67207	CE	Structures: Including flutter, CAR 3 and FAR 23
Donald R. Jacoby	96 South Holcomb Porterville, CA 93257	WE	Structures
A. M. Kaplan Consulting Aerospace Engineer	16123 Covello Street Van Nuys, CA 91406	WE	Structures: And detail design STC, FAR 23, 25, TC & STC
Michael Kaplan Consulting Aerospace Engineer	16123 Covello Street Van Nuys, CA 91406	WE	Structures: And detail design STC, FAR 23, propeller driven and minor modification STC, FAR 25
Douglas M. Kauffman	486 Brookview Drive Green Castle, PA 17225	EA	Structures: CAR 3, 4b, 6, 7, FAR 23, 25, 27, 29 vibration and flutter
E. B. Keefer	11457 Glendale Way Seattle, WA 98168	NW	Structures: CAR 3, 4b, FAR 23, 25, not including flutter and vibration
Erian Keeley	16383 Myrtlewood Street Fountain Valley, CA 92708	WE	Structures
John P. Felleber	315 Oregon Avenue Penn Acres New Castle, DE 19702	EA	Structures: Interior modifications and avionics installations, CAR 3, 4b, 6, 7, FAR 23, 25, 27, 29
Clyde W. King	2228 Via Acalones Palos Verdes Estates, CA 90274	WE	Structures
Harold A. Kosola	2014 Gail Avenue Albany, GA 31705	SO	Structures: Except flutter and vibration
Richard A. Kroeger	1609 Morton Ann Arbor, MI 48104	GL	Structures: CAR's 3, 4a, FAR 23, flutter and vibration only
Hsiang Kuang	4556 West 16th Place Los Angeles, CA 90019	WE	Structures: FAR 23, 25, static dynamics and fatigue
Robert P. Lathrop Aeronautics R & D	P.O. Box 3848 San Angelo, TX 76901	SW	Structures: CAR's 3, 4b, FAR's 23, 25, limited to structural tests (static and fatigue) - conduct, witness and approve test results

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Appendix 1

CONSULTANT	ADDRESS	REGION	LIMITATIONS
Carlos Latoni	611 Greytwig Road Vero Beach, FL 32960	SO	Structures: Flutter and vibration only
Kenneth F. Leddick	4530 Jettridge Dr. N.W. Atlanta, GA 30327	SO	Structures: Except flutter and vibration
Patton Lewis	8335 Camino Sur Cucamonga, CA 91730	WE	Structures
Herbert Lindblad	5 Kirk Street Springvale, ME 04083	NE	Structures: Small airplanes, CAR 3, FAR 23, except flutter and fatigue
Jerome A. Mallon	3905B Valley Court Winston-Salem, NC 27106	SO	Structures: Except flutter and vibration
William L. Marcy	3041 So. Golden Way Denver, CO 80227	RM	Structures: FAR 23
Harold G. Martin	833 Anthony Avenue Waynesboro, PA 17268	EA	Structures: CAR 3, 4b, 6, 7, FAR 23, 25, 27, 29, except vibration and flutter
Paul S. Masser	5312 E. Royal Palms Rd. Scottsdale, AZ 85253	WE	Structures: Static and detail design STC's for FAR 23 airplanes
J. W. Middleton	P.O. Box 12432 Santa Ana, CA 92712	WE	Structures
Eugene A. Milin	105 Bayview Blvd. Stratford, CT 06497	NE	Structures: Rotorcraft, fixed wing, except flutter, vibrations, and fatigue
Stanley Nesbitt	301 S. Cherry Grove Ave. Annapolis, MD 21401	EA	Structures: CAR 3/4b, FAR 23/25, CAR 6/7, FAR 27/29, except vibration and flutter
Howard L. Patterson	3726 West 171st St. Torrance, CA 90504	WE	Structures: FAR 23, 25, static analysis
John S. Patterson	90 N.W. 154th Street Miami, FL 33169	SO	Structures: Except flutter and vibration
Joseph Paul	1230 Cambridge Avenue Claremont, CA 91711	WE	Structures: FAR 23, 25, static analysis
Peter E. Peck	1045 20th Avenue Vero Beach, FL 32960	SO	Structures: FAR 23, except flutter and vibration
Robert E. Poteet	19310 Nashville Northridge, CA 91324	WE	Structures: FAR 23, 25, structural analysis, weight and balance only
Hillyer Prentice	4218 Lomo Del Sur La Mesa, CA 92041	WE	Structures: FAR 23, CAR 3
George S. Rasmusson	P.O. Box 2052 Glendale, CA 91209	EA	Structures: CAP 3/4b, FAR 23/25, CAR 6/7, FAR 27/29, except vibration and flutter
Arthur Ritter	20 Cider Mill Lane Huntington, NY 11743	EA	Structures: CAR 3, 4b, 6, 7, FAR 23, 25, 27, 29, except vibration and flutter
Arnold Robinson DeVore Aviation Corp.	125 Mineola Ave. Roslyn Heights, NY 11577	WE	Structures: FAR 23, static, seats and interior items only
Richard J. Rose	1313 Zuni Drive Topanga, CA 90290	SW	Structures: CAR 3, FAR 23, except flutter and vibration
Guenther J.H. Rosemann	2235 Upper Turtle Creek Rd. Kerrville, TX 78028	EA	Structures: FAR 23, 25, structural analysis only
Arnold E. Rubin	17231 Orozco St. Granada Hills, CA 91344	EA	Structures: CAR 3/4b, FAR 23/25, CAR 6/7, FAR 27/29, except vibration and flutter
Ernest Schweizer Schweizer Aircraft Corp.	County Airport Elmira, NY 14901	EA	Structures
Nelson N. Shapter	1107 Delf Drive McClellan, VA 22101	EA	Structures: CAR 3/4b, FAR 23/25, CAR 6/7, FAR 27/29, except vibration and flutter
Gordon Silver S F Aircraft Co.	16 Shotgun Lane Levittown, NY 11746	SW	Structures: CAR 3/4b, FAR 23/25, CAR 6/7, FAR 27/29, except vibration and flutter
J. H. Simmons	9221 Bridlewood, Apt. 2 San Antonio, TX 78240	WE	Structures: CAR 3, FAR 23, except flutter and vibration, limited to STC and TC approval
Charles R. Smith	4700 Paseo las Tortugas Torrance, CA 90505	WE	Structures: Static, dynamics and fatigue, detail design, drive system, installations, rotary wing, FAR 27, 29
Henry G. Smith	201 S. Francisca Redondo Beach, CA 90277	WE	

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Appendix 1

CONSULTANT

Fon W. Smith
Ted Smith Associates

Floyd E. Snow
Aircraft Technical
Service, Inc.

H. Leland Snow

S. F. Speer

David Stanislaw

Karl E. Stephan
c/o U.S. Airships, Inc.

Norman F. Steiner

George B. Stephens

W. Fred Stewart

Chris Stratford

Edward Straub

Cyril Swerdlin

Neal Thomas

David B. Thurston

Leon A. Tolve

James P. Trebes

Robert C. Westbrook

George W. Westphal

Lincoln B. Wiley

Roy A. Wulff
c/o Wulff Associates

Matthew Norman Zrubek

Donald T. Zurfluh

Ralph Alex

Lawrence M. Bass

George E. Seal, Jr.

Suite 317, Hathaway Bldg.
7120 Hayvenhurst Avenue
Van Nuys, CA 91406

6701 Odessa St.
Van Nuys, CA 91406

3708 Cedar Elm
Wichita Falls, TX 76308

P.O. Box 11412
Spokane, WA 99211

Horsham Road
Amherst, PA 19002

757 Fair Foundation Bldg.
Tyler, TX 75702

115 Hampshire Road
Savannah, GA 31419

12705 Grandin Lane
Bridgeton, MO 63044

5678 South Zunis
Tulsa, OK 74105

P.O. Box 1711
Bellevue, WA 98009

304 Baltimore Street
Gettysburg, PA 17325

28 Sylvia Drive
West Islip, NY 11795

1399 Via Zurita
Claremont, CA 91711

16 Jerico Drive
Ole Lyme, CT 06371

273 Ninth St., N.E.
Atlanta, GA 30309

2316 Dorsey Avenue
East Point, GA 30344

828 Van Horn Way
El Cajon, CA 92091

223 E. Jones St.
Savannah, GA 31401

505 West Walnut Ave.
El Segundo, CA 90245

Box 24, Lucas Ave. Ext.
Kingston, NY 12401

7334 Coronado Ct.
Boulder, CO 80303

413 West Walnut Street
Lock Haven, PA 17745

1037 Stratfield Rd.
Bridgeport, CT 06604

1001 E. Inwood Dr.
Arlington, TX 76010

P.O. Box 1872
Greenville, TX 75401

REGION LIMITATIONS

WE

WE

SW

NW

EA

SW

SO

CE

SW

NW

EA

EA

WE

NE

SO

SO

WE

SO

WE

EA

RM

EA

NE

SW

SW

Structures

Structures: And detail design (static) TC and STC,
FAR 23, 27

Structures: CAP 3, FAR 23, except flutter and
vibration

Structures: Airframe and landing gear: weight
and balance, analytical substantiation

Structures: Ground vibration surveys

Structures: FAR 31, balloons only

Structures: CAP 3, FAR 23, including flutter
within scope of simplified criteria

Structures: Privileges/limitations are structures
(except flutter) Bulletin 7A, CAR 3,
CAR 4, 4b, FAR 23 and 25

Structures: CARs 3, 4a, 4b, FAR's 23, 25, except
flutter and vibration

Structures: CAR 3, 4b, FAR 23, 25, not including
flutter and vibration

Structures: CAR 3, 4b, 6, 7, FAR 23, 25, 27, 29,
except vibration and flutter

Structures: CAR 3, 4b, 6, 7, FAR 23, 25, 27, 29,
except vibration and flutter

Structures: (Static) detail design for STC,
FAR 23, 25

Structures: Except flutter and vibration

Structures: Flutter and vibration only

Structures

Structures: FAR 25, static analysis

Structures: CARs 3, 4b, FAR 23, 25, except
flutter and vibration

Structures: And detail design (static and dynamic)
TC and STC for FAR 27

Structures: CAR 3/4b, FAR 23/25, CAR 6/7, FAR 27/
except vibration and flutter

Structures: FAR's 23, 25

Structures

SYSTEMS & EQUIPMENT

Systems & Equipment: No restrictions

Systems & Equipment: CARs 3, 4b, 6, 7, 8, 9,
25, 27, 29, except electrical
generating systems on multi-eng
aircraft, inverter systems, and
electronics not specifically
authorized. Authorization inc
includes flight control system
and navigation and communicat
systems.

Systems & Equipment: CAR's 3, 4b, 6, 7,
25, 27, 29, except electric
generating systems, press.
wheels and brakes

CONSULTANT	ADDRESS	REGION	LIMITATIONS
Americo Bellard	64 Andrew Lane Orange, CT 06477	NE	Systems & Equipment: Electrical, electronics and and instruments
Charles E. Boettcher	11939 Dawnhaven San Antonio, TX 78201	SW	Systems & Equipment: CARS 3, 4b, 6, 7, FARs 23, 25, 27, 29, electrical/electronics
Carl F. Branson Branson Aircraft Corp.	4275 Broadway, Unit B Denver, CO 80216	RM	Systems & Equipment: FAR's 23, 25
Arthur Braun	3 Driftwood Dr. Glen Cove, NY 11542	EA	Systems & Equipment: CAR 3, 4b, 6, 7, FAR 23, 25, 27, 29
Randolph C. Bready	3047 Castleton Way Marietta, GA 30063	SO	Systems & Equipment: CAR's 3, 4b, FAR's 23, 25 pneumatics, air conditioning, pressurization, ice protection and rain removal
C.H. Brent	P.O. Box 486 Pittsburg, KS 66762	CE	Systems & Equipment: CAR 3, 4a, FAR 23
William E. Broadway	406 Durdeen Drive Pooler, GA 31322	SO	Systems & Equipment: CAR 3, FAR 23, normal and utility
Frank Z. Brown	11356 Kelowna Street Lake View Terrace, CA 91342	WE	Systems & Equipment
Donald D. Bruss	3107 East Funston Wichita, KS 67211	CE	Systems & Equipment: Privileges/limitations are Systems & Equipment (limited to hydraulics and landing gear systems), FAR 23 and 25
Frank R. Cassell	43-23 166 Street Flushing, NY 11358	EA	Systems & Equipment: Car 3, 4b, 6, 7, FAR 23, 25, 27, 29
Walter T. Clark	312 E. Main St. Lancaster, TX 75146	SW	Systems & Equipment: CAR's 3, 4a, 4b, 6, 7; FAR's 23, 25, 27, 29; except electrical, electronics, wheels and brakes
Angelo A. Coronato	25 Hillston Road Trumbull, CT 06611	NE	Systems & Equipment: Except electrical and instruments
John C. Cotton	21938 Londelius Street Canoga Park, CA 91304	WE	Systems & Equipment
William F. Coyle	347 East Main Street Lake Haven, PA 17745	EA	Systems & Equipment: Electrical and electronic CAR 3, 4b, 6, 7, FAR 23, 25, 27, 29
Harold E. Dale Dale Air Engineering	P.O. Box 3066 Torrance, CA 90510	WE	Systems & Equipment
Robert B. Dale	30030 Minglewood Lane Farmington, MI 48024	GL	Systems & Equipment: Bulletin 7A, CAR 3, 4, 4b, FAR's 23, 25
Gilbert De Vore De Vore Aviation Corp.	125 Mineola Ave. Roslyn Heights, NY 11577	EA	Systems & Equipment: CAR 3/4b, FAR 23/25, CAR 6/7, FAR 27/29
George R. Dickinson	12841 Olive St. Garden Grove, CA 92645	WE	Systems & Equipment
Gerald F. Dulin	3916 W. 234th Street Torrance, CA 90505	WE	Systems & Equipment
Joseph B. Dwerlkotte Product Development Group	Box 177 Rose Hill, KS 67133	CE	Systems & Equipment: (Limited to electrical, hydraulic, air conditioning, pressurization and pneumatics) CAR 3 and FAR 23
Norman Engel	240 Christie Street Ridgefield, NJ 07660	EA	Systems & Equipment: Electrical, CAR 3, 4b, 6, 7, FAR 23, 25, 27, 29
Charles Albert Erb	13316 Borden Sylmar, CA 91342	WE	Systems & Equipment
Charles E. Etheridge	1806 Holly Oak Arlington, TX 76012	SW	Systems & Equipment: CAR 4b; FAR 25, electrical and electronics; except power generating and main distribution system
C. D. Flanigen	6808 Collier Way Riverdale, GA 30296	SO	Systems & Equipment: (Limited to recommend approval)
Carl H. Fox	818 Sutton Court Irving, TX 75062	SW	Systems & Equipment: CAR's 3, 4b, 6, 7, FAR's 23, 25, 27, 29, electrical and electronic, except electric trim and generating systems
Brandon Fuller	912 Oak Hill Ave. Hagerstown, MD 21740	EA	Systems & Equipment: Electrical, CAR 3/4b, FAR 23/25, CAR 6/7, FAR 27/29

CONSULTANT	ADDRESS	REGION	LIMITATIONS
Jack W. Gailey	Route 2, Box 384R McFinney, TX 75069	SW	Systems & Equipment: CAR's 3, 4b, FAR's 23, 25, electrical/electronics except primary power generating system
John Gigante	52 Hillcrest Place Westwood, MA 02090	NE	Systems & Equipment: No restrictions
Joseph Gordon	30 Birchwood Terrace Manuet, NY 10954	EA	Systems & Equipment: Electrical, CAR 3, 4b, 6, 7, FAR 23, 25, 27, 29
Charles Henry Green	3961 Beckwood, Box AB Wetmore, TX 78165	SW	Systems & Equipment: CAR's 3, 4b, FAR's 23, 25, hydraulic systems, wheels, tires, brakes, air conditioning, pressurization, pneumatic
Jack A. Hannan	4110 Strathmore San Antonio, TX 78217	SW	Systems & Equipment: CAR 3, FAR 23 only, electrical and electronic system, electrical trim and autopilot excepted
Dr. James P. Hauser	2850 Kenyon Circle Boulder, CO 80303	RM	Systems & Equipment: CAR 3, FAR 23
Quintin J. Hawthorne	Route 4, Box 92a Fremont, IN 46737	GL	Systems & Equipment: CAR 3, 4a, 4b, 6, 7, FAR 23, 25, 27, 29
Lewis E. Herr	RD1, Box 513 Mill Hall, PA 17751	EA	Systems & Equipment: CAR 3, 4b, 6, 7, FAR 23, 25, 27, 29
William Hickey	442 Murray Avenue Camarillo, CA 93010	WE	Systems & Equipment
Harold W. Holdeman	Route 2, Box 139A Mineral Wells, TX 76067	SW	Systems & Equipment: CAR 3, FAR 23, limited to installation of Mitchell gyros, autopilots, and flight directors
L. A. Hollaar	P.O. Box J Savoy, IL 6187a	GL	Systems & Equipment: Electronics installation CAR 3, 4b, 6, 7, FAR 23, 25, 27, 31
Charles P. Holt	1609 Avondale Norman, OK 73069	SW	Systems & Equipment: CAR's 3, 4b, FAR's 23, 25, except electrical/electronics
Robert M. Jensen	6919 Balcon Ave. Reseda, CA 91335	WE	Systems & Equipment
William L. Johns	3661 Old Post Circle San Angelo, TX 76901	SW	Systems & Equipment: CAR 3, FAR 23, electrical, avionics, autopilots and pneumatics, excluding basic power generation and distribution, inverters
David T. Kjell	200 Timberlane Tr. Euless, TX 76039	SW	Systems & Equipment: CAR's 3, 4b, 6, 7, FAR's 23, 25, 27, 29, limited to approvals of changes in data format, emergency and external lighting
Oscar G. Klingman	121 South Monitor Place Tucson, AZ 87510	WE	Systems & Equipment
J. B. Kruk	407 Irwin Street Lock Haven, PA 17745	EA	Systems & Equipment: (Electrical and electronics)
Hsiang Kuang	4556 West 16th Place Los Angeles, CA 90019	WE	Systems & Equipment
Herbert Lindblad	5 Kirk Street Springvale, ME 04083	NE	Systems & Equipment: No restrictions
Michael L. Mahaffey	621 Bobwhite Drive Frisco, TX 75034	SW	Systems & Equipment: Avionics, CAR's 3, 4b; FAR's 23, 25
J. W. Middleton	P.O. Box 12432 Santa Ana, CA 92712	WE	Systems & Equipment
T. N. Miller	Route 1 Collard Valley Road Cedartown, GA 30125	SO	Systems & Equipment: (Electrical)
John F. Morehead	210 Westside Drive Norman, OK 73069	SW	Systems & Equipment: CAR's 3, 4b, FAR's 23, 25, electrical/electronics, except generating systems
Lauren B. Nelson	16150 S. W. 108th Ave. Miami, FL 33157	SO	Systems & Equipment: Avionics
Mark W. Ostendorf	729 LaRoda Street Santa Barbara, CA 93111	WE	Systems & Equipment
Robert A. Owens	1441 S.W. 68th Street Oklahoma City, OK 73159	SW	Systems & Equipment: CAR's 3, 4b, 6, 7; FAR's 23, 25, 27, 29

CONSULTANT	ADDRESS	REGION	LIMITATIONS
George L. Petitgout, Jr. Vertol Division The Boeing Co.	P. O. Box 16858 Philadelphia, PA 19142	EA	Systems & Equipment: CAR 3/4b, FAR 23/25, CAR 6/7, FAR 27/29, except electrical
Gerald K. Poorman	RD 2, 45 Woodland Drive Lock Haven, PA 17745	EA	Systems & Equipment: Electrical, CAR 3, 4b, 6, 7, FAP 23, 25, 27, 29
Alfred Puccinelli	36 Bay Drive East Huntington, L.I., NY 11743	EA	Systems & Equipment: Except electrical, CAR 3/4b, FAR 23/25, CAR 6/7, FAR 27/29
Arthur Ritter	20 Cider Mill Lane Huntington, L.I., NY 11743	EA	Systems & Equipment: CAR 3/4b, FAR 23/25, CAR 6/7, FAR 27/29
H. P. Roach	22607 Leadwell St. Canoga Park, CA 91307	WE	Systems & Equipment: Power brake and skid control systems
Glenn L. Schroeder	7415 Yarmouth Ave. Reseda, CA 91335	WE	Systems & Equipment
Ernest Schweizer Schweizer Aircraft Corp.	County Airport Elmira, NY 14901	EA	Systems & Equipment: CAR 3/4b, FAR 23/25, CAR 6/7, FAR 27/29
Nelson N. Shapter	1107 Delf Drive McClean, VA 22101	EA	Systems & Equipment
Charles W. Simonds	Route 5, Box 43 Norman, OK 73069	SW	Systems & Equipment: CAR's 3, 4b, FAR's 23, 25, electronic systems
Floyd E. Snow Aircraft Technical Service, Inc.	6701 Odessa St. Van Nuys, CA 91406	WE	Systems & Equipment
H. Leland Snow	3708 Cedar Elm Wichita Falls, TX 76308	SW	Systems & Equipment: CAR 3, FAR 23, agricultural dispersal systems, brakes, and airspeed systems
Karl H. Stephan c/o U.S. Airships, Inc.	757 Fair Foundation Bldg. Tyler, TX 75702	SW	Systems & Equipment: FAR 31, balloons only
Thomas B. Stepp	904 Oakmont Lane Fort Worth, TX 76112	SW	Systems & Equipment: CAR's 6, 7, FAR's 27, 29 except electrical/electronics, and hydraulics
W. Fred Stewart	5678 S. Zunis Tulsa, OK 74120	SW	Systems & Equipment: Except electrical CAR's 3, 4a, 4b, FAP's 23, 25, non-turbine powered only
Edward Straub	304 Baltimore St. Gettysburg, PA 17325	EA	Systems & Equipment: CAR 3, 4b, 6, 7, FAR 23, 25, 27, 29, except vibration and flutter
Cyril Swerdlin	24 Sylvia Drive West Islip, NY 11795	EA	Systems & Equipment: Except electrical CAR 3, 4b, 6, 7, FAR 23, 25, 27, 29
H. F. Tanke	17060 Livorno Dr. Pacific Palisades, CA 90272	WE	Systems & Equipment
James P. Trebes	2316 Dorsey Avenue East Point, GA 30344	SO	Systems & Equipment: (Except flutter and vibration)
Donald H. Trompler	3038 Forest Brook Drive Lakeland, FL 33803	SO	Systems & Equipment: FAR 23
Pichard E. Vanantwerp	300 Ranchwood Blvd. Yukon, OK 73099	SW	Systems & Equipment: CAR 3, FAR 23; except electrical and electronic systems
D. J. Weight	4071 Valerie Drive Campbell, CA 95008	WE	Systems & Equipment
George W. Westphal	223 E. Jones St. Savannah, GA 31401	SO	Systems & Equipment: FAR 23
Morris E. Wheeler	8895 Montview Blvd. Hangar B Denver, CO 80220	RM	Systems & Equipment: FAR's 23, 25
Foy A. Wulff c/o Wulff Associates	Box 24, Lucas Ave. Ext. Kingston, NY 12401	EA	Systems & Equipment: CAR 3/4b, FAR 23/25, CAR 6/7, FAR 27/29, hydraulics
Kenneth E. Yeoman	P.O. Box 17401 San Antonio, TX 78217	SW	Systems & Equipment: Except electronics, CAR's 3, 4a, 4b, FAR's 23, 25
J. J. Zizzi	503 Shelfar Place Oxon Hill, MD 20022	EA	Systems & Equipment: (Electrical and electronics)
Matthew Norman Zrubek	7334 Coronado Ct. Boulder, CO 80303	RM	Systems & Equipment: FAR's 23, 25

CONSULTANT	ADDRESS	REGION	LIMITATIONS
<u>RADIO</u>			
Norman Engel	240 Christie Street Ridgefield, NJ 07660	EA	Radio: CAR 3, 4b, 6, 7, FAR 23, 25, 27, 29
<u>POWERPLANT</u>			
Oscar Anthony Alcedo	P. O. Box 141 Hurst, TX 76053	SW	Powerplant: CAR's 3, 4a, FAR 23
Falph Alex	1037 Stratfield Road Bridgeport, CT 06004	NE	Powerplant: Powerplant systems and installations
Robert J. Auburn	6507 West Langley Lane McLean, VA 22101	EA	Powerplant: CAR 3, 4b, 6, 7, FAR 23, 25, 27, 29
C. H. Brent	P. O. Box 486 Pittsburg, KS 66762	CE	Powerplant: Privileges/limitations (propulsion installation, piston engines only) Bulletin 7, CAR 3, 4a, FAR 23
Frank Z. Brown	11356 Kelowna Street Lakeview Terrace, CA 91342	WE	Powerplant
W. A. Bruensicke	2709 6th Street Santa Monica, CA 90405	WE	Powerplant
Merrill H. Brumbaugh S.T.C. Engineering Co.	4410 N.W. 54th St. Oklahoma City, OK 73112	SW	Powerplant: CAR 3, FAR 23, aircraft with reciprocating engines)
Walter T. Clark, Jr. Clark Engineering Ser.	312 E. Main Street Lancaster, TX 75146	SW	Powerplant: Limited to heaters, APU's and associated fuel systems
Angelo A. Coronato	25 Hillston Road Trumbull, CT 06611	NE	Powerplant: Powerplant systems and installations, drive systems
E. Forest Critchlow	P. O. Box 72 Addison, PA 15411	EA	Powerplant: CAR 3, 4b, 6, 7, FAR 23, 25, 27, 29
Harold E. Dale Dale Air Engineering	P.O. Box 3066 Torrance, CA 90510	WE	Powerplant
Robert B. Dale	30030 Minglewood Lane Farmington, MI 48024	GL	Powerplant: Bulletin 7A, CAR 3, 4, 4b, FAR's 23, 25
Gilbert De Vore De Vore Aviation Corp.	125 Mineola Avenue Roslyn Heights, NY 11577	EA	Powerplant: CAR 3/4b, FAR 23/25, CAR 6/7, FAR 27/29
Thomas C. DuFour	1131 Garden Grove Avenue Northridge, CA 91324	WE	Powerplant
Joseph B. Dwerlkotte Product Development Group	P.O. Box 177 Rose Hill, KS 67133	CE	Powerplant: Bulletin 7, CAR 3, 4a, 4b, FAR 23, 25
J. Ward Evans	1712 27th Avenue Vero Beach, FL 32960	SO	Powerplant: CAR 3/FAR 23, except vibration
C. G. Flanigen	6808 Collier Way Riverdale, GA 30296	SO	Powerplant: (Except vibration) FAR 25 and 23 (limited to recommend approval)
Joseph Gigante	52 Hillcrest Place Westwood, MA 02090	NE	Powerplant: Powerplant systems and installations
Charles Henry Green	3961 Beckwood, Box AB Wetmore, TX 78163	SW	Powerplant: CAR's 3, 4b, FAR's 23, 25
Quinton J. Hawthorne	Rural Route 4, Box 924 Fremont, IN 46737	GL	Powerplant: Bulletin 7A, CAR 3, 4a, FAR 23, 25
Kenneth J. Holloway	1517 Saxony Road Fort Worth, TX 76116	SW	Powerplant: CAR's 3, 4b, 6, 7; FAR's 23, 25, 27, 29
Vern M. Johnson	2843 North 76th Place Scottsdale, AZ 85272	WE	Powerplant
Oscar G. Klingman	121 South Monitor Place Tucson, AZ 85710	WE	Powerplant
W. H. Mastin	Box 17021, Bixby Station Long Beach, CA 90807	WE	Powerplant
Donald J. McCaffrey	31 McCain Court Closter, NJ 07624	EA	Powerplant: Engine fire extinguishing and detection systems only, CAR 3, 4b, 6, 7, FAR 23, 25, 27, 29
Floyd T. Melton	4021 E. Clayton Road Fort Worth, TX 76116	SW	Powerplant: CAP's 3, 4b, 6, 7, FAR's 23, 25, 27, 29, 33

CONSULTANT	ADDRESS	REGION	LIMITATIONS
John J. Miller	305 Foreman Avenue Norman, OK 73069	SW	Powerplant: CAR's 3, 4b, FAR's 23, 25
Paul M. Nichols	428 Whippoorwill Road Albany, GA 31707	SO	Powerplant: FAR 23, except vibration, fuel systems and fire protection installations
George L. Petitgout, Jr. Vertol Division The Boeing Company	P. O. Box 16858 Philadelphia, PA 19142	EA	Powerplant: Installation only, CAR 3/4b, FAR 23/25, CAR 6/7, FAR 27/29
Albert Puccinelli	36 Bay Drive East Huntington, NY 11743	EA	Powerplant: CAR 4b, 6, 7, FAR 23, 25, 27, 29
Jack M. Riley, Jr.	4307 Shady Glen Waco, TX 76708	SW	Powerplant: CAR 3, FAR 23, piston engine airplanes
Simon M. Poss	50 - 20 211th Street Bayside, NY 11364	EA	Powerplant: CAR 3, 4b, 6, 7, FAR 23, 25, 27, 29
Arthur D. Scholes, PE	1708 Ferndale Avenue, SE Renton, WA 98055	NW	Powerplant: CAR 4b, FAR 23, 25, turbine engine performance and inlet and exhaust system installation
Jack Schmugar	2566 East First Street Brooklyn, NY 11223	EA	Powerplant
Henry G. Smith	201 S. Francisca, St. Redondo Beach, CA 90277	WE	Powerplant
Floyd E. Snow Aircraft Technical Service, Inc.	6701 Odessa St. Van Nuys, CA 91406	WE	Powerplant
Karl H. Stephan c/o U.S. Airships, Inc.	757 Fair Foundation Bldg. Tyler, TX 75702	SW	Powerplant: CAR 3, FAR 23, piston engine airplanes
Cyril Swerdlin	24 Sylvia Drive West Islip, NY 11795	EA	Powerplant: CAR 3, 4b, 6, 7, FAR 23, 25, 27, 29
Donald H. Trompler	3038 Forest Brook Drive Lakeland, FL 33803	SO	Powerplant: FAR 23 (except vibration)
T. Ted Tsue	6928 South 130th St. Seattle, WA 98178	NW	Powerplant: CAR 4b, FAR 23, 25, Powerplant installations not including engine performance
George W. Westphal	223 E. Jones St. Savannah, GA 31401	SO	Powerplant: Reciprocating engine installation
John Willett III	4314 Bloomdale San Antonio, TX 78218	SW	Powerplant: CAR 3, FAR 23, exhaust gas temperature and cylinder head, temperature indicators
Kenneth J. Yeoman	P.O. Box 17401 San Antonio, TX 78217	SW	Powerplant: CAR's 3, 4b; FAR's 23, 25; ice protection system only
<u>ENGINES</u>			
George A. Altgelt	Route 2, Box 89 Floresville, TX 78114	SW	Engine: Aircraft engine cylinder chrome plating specialist limited to: chrome plating, processing of aircraft engine cylinders, determining compatability of piston rings for chrome plated cylinders, weld repairs to cast metal engine parts, and witnessing engine endurance tests when authorized by FAA
Robert J. Auburn	6507 West Langley Lane McClellan, VA 22101	EA	Engine: CAR 3, 4b, 6, 7, FAR 23, 25, 27, 29
E. Forest Critchlow	P.O. Box 72 Addison, PA 15411	EA	Engine: CAR 3, 4b, 6, 7, FAR 23, 25, 27, 29
Thomas C. DuFour	11131 Garden Grove Avenue Northridge, CA 91324	WE	Engine
Kenneth Holloway	1517 Saxony Road Fort Worth, TX 76116	SW	Engine: FAR 33
W. H. Mastin	Box 17021, Bixby Station Long Beach, CA 90807	WE	Engine
Floyd T. Melton	4021 E. Clayton Rd. Fort Worth, TX 76116	SW	Engine: FAR 33
Simon M. Ross	50 - 20 211th Street Bayside, NY 11364	EA	Engine: CAR 3, 4b, 6, 7, FAR 23, 25, 27, 29

CONSULTANT	ADDRESS	REGION	LIMITATIONS
Jack Schmugar	2566 East First Street Brooklyn, NY 11223	EA	Engine
<u>PROPELLERS</u>			
E. Forest Critchlow	P. O. Box 72 Addison, PA 15411	EA	Propellers: Vibration, CAR 3, 4b, 6, 7, FAR 23, 25, 27, 29
Sanford Friezner Specialized Testing Service	10758 Burbank, Blvd. N. Hollywood, CA 91601	WE	Propellers
Simon M. Ross	50 - 20 211th St. Bayside, NY 11364	EA	Propellers: CAR 3, 4b, 6, 7, FAR 23, 25, 27, 29
Jack Schmugar	2566 East First Street Brooklyn, NY 11223	EA	Propellers
<u>FLIGHT ANALYSTS</u>			
Herbert W. Barnhouse	706 13th Avenue Vero Beach, FL 32960	SO	Flight Analyst: CAR's 3 and 8, FAR 23
John F. Bertolacci	312 Hawick Lane Lakeland, FL 33803	SO	Flight Analyst: FAR 23
Paul F. Blanchard	4213 Hunter's Hill Norman, OK 73069	SW	Flight Analyst: CAR 3, FAR 23
Frank Z. Brown	11356 Kelowna Street Lakeview Terrace, CA 91342	WE	Flight Analyst
Wilford A. Bryde	3119 Alta Laguna Blvd. Laguna Beach, CA 92651	WE	Flight Analyst
Donald R. Byrnes	4015 W. 137th St., Apt. 102 Sawthorne, CA 90250	WE	Flight Analyst
Eubert C. Carel	10252 Creston Dr. Cupertino, CA 95014	WE	Flight Analyst
Harold K. Cheney	22091 East Waite Lake Elsinore, CA 92530	WE	Flight Analyst
Gilbert De Vore De Vore Aviation Corp.	125 Mineola Avenue Roslyn Heights, NY 11577	EA	Flight Analyst: CAR 3/4b, FAR 23/25, CAR 6/7, FAR 27/29
O. R. Dunn	10221 Sterling Avenue Villa Park, CA 92667	WE	Flight Analyst
J. Ward Evans	1712 27th Avenue Vero Beach, FL 32960	SO	Flight Analyst: CAR 3, FAR 23
Stanley N. Grayson, Jr.	204 Fleetwood San Antonio, TX 78232	SW	Flight Analyst: CAR's 3, 4b, FAR's 23, 25
Vern M. Johnson	2843 North 76th Place Scottsdale, AZ 85272	WE	Flight Analyst
William L. Marcy	3041 So. Golden Way Denver, CO 80227	RM	Flight Analyst: FAR 23
W. E. Mastin	Box 17021, Bixby Station Long Beach, CA 90807	WE	Flight Analyst
Robert L. McConnell Mooney Aircraft Corp.	P.O. Box 72 Ferrville, TX 78028	SW	Flight Analyst: CAR 3, FAR 23
Antonio Morelli	Route 1, Box 352A Joshua, TX 76058	SW	Flight Analyst: CAR's 3, 4b, FAR's 23, 25, limited to data reduction and data analysis
P. M. Nichols	428 Whippoorwill Road Albany, GA 31705	SO	Flight Analyst: CAR 3, FAR 23
Fred J. Norstadt	3631 St. Elizabeth Road Glendale, CA 91206	WE	Flight Analyst
Paul E. O'Donnell	5825 Mina Vista Tucson, AZ 85718	WE	Flight Analyst
Albert I. Secada	P.O. Box 2762 AMP Miami, FL 33159	SO	Flight Analyst
Jack Shannon Shannon Aerodynamic Engineering	215 Terminal Building Boeing Field International Seattle, WA 98108	NW	Flight Analyst: Performance

CONSULTANT	ADDRESS	REGION	LIMITATIONS
A.J. Sobieralski	7438 S.E. 32nd Street Mercer Island, WA 98040	NW	Flight Analyst: Performance
Robert M. Susi	1252 - 17th Street Hermosa Beach, CA 90254	WE	Flight Analyst
L.M. Timmons	4933 - 125th Avenue, S.E. Bellevue, WA 98006	NW	Flight Analyst: Performance
Gene Voorhees	44123 Sancroft Lancaster, CA 93534	WE	Flight Analyst: FAP 25
William R. Weideman E-Systems, Inc.	P. O. Box 1056 Greenville, TX 75401	SW	Flight Analyst: CAR 4b, FAR 25
<u>FLIGHT TEST PILOTS</u>			
R. A. Balzer	28 Stonehenge Lane Malvern, PA 19355	EA	Flight Test Pilot: FAR 27, CAR 6
Herbert W. Barnhouse	706 13th Avenue Vero Beach, FL 32960	SO	Flight Test Pilot: CAR 3, FAR 23
Fufus H. Blackwell, III c/o Dee Howard Company	P.O. Box 17300 San Antonio, TX 78217	SW	Flight Test Pilot: CAR's 3, 4b; FAR's 23, 25
Morton J. Brown	3510 Hillcrest Road Harrisburg, PA 17105	EA	Flight Test Pilot: CAR 3/FAR 23
Cecil Elwood Center	16015 Timberway San Antonio, TX 78247	SW	Flight Test Pilot: CAR 3, FAR 23, electronic/avionic testing
Larry K. Clark	300 Maple Lane Conroe, TX 77304	SW	Flight Test Pilot: CAR's 6, 7, FAR's 27, 29; limited to avionics and navigation installation not including stability system/autopilots
Morgan Cobb Gulfstream American Corp.	P.O. Box 2206 Savannah, GA 31402	SO	Flight Test Pilot: (Transport category)
Gerald F. Dulin	3916 W. 234th Street Torrance, CA 90505	WE	Flight Test Pilot
J. Ward Evans	1712 27th Avenue Vero Beach, FL 32960	SO	Flight Test Pilot: CAR 3, FAR 23
David H. Gollings	P.O. Box 70 Tehacapi, CA 93561	WE	Flight Test Pilot: CAR 3, FAR 23
Stanley N. Grayson, Jr.	204 Fleetwood San Antonio, TX 78232	SW	Flight Test Pilot: CAR 3, 4b, FAR 23, 25
Russell L. Howard	Route #, Box 120B Martinsburg, WV 25401	EA	Flight Test Pilot: CAR 3/4b, FAR 23/25
James L. Irwin	2905 N. E. 11th Street Mineral Wells, TX 76067	SW	Flight Test Pilot: CAR 3, FAR 23 autopilots, flight director/autopilots, yaw dampers, and electric trim systems
James E. Kelly	9220 Nathaniel, Apt. 800 Houston, TX 77075	SW	Flight Test Pilot: CAR's 6, 7, FAR's 27, 29
William P. Kelley, Jr.	7512 B Needle Leaf Place Tampa, FL 33617	SO	Flight Test Pilot, CAR 3, FAR 23
Ralph D. Kimberlin	P.O. Box 363 Tullahoma, TN 37388	SO	Flight Test Pilot: FAR 23
F. M. Nichols	428 Whippoorwill Road Albany, GA 31705	SO	Flight Test Pilot: CAR 3 FAR 23
Paul B. O'Donnell	5625 Mina Vista Tucson, AZ 85718	WE	Flight Test Pilot
Richard L. Peck	94 Shore Road Port Washington, NY 11050	EA	Flight Test Pilot: CAR 6/FAR 27
Ronald G. Puckett	14500 University Wichita, KS 67235	CE	Flight Test Pilot: FAR 23, 25 and 27 Rotorcraft
James S. Reid	4026 42nd Avenue South St. Petersburg, FL 33711	SO	Flight Test Pilot: CAR 6/7, FAR 27/29 Helicopters
Richard S. Sliff	1701 Margate Sq. Pales Verdes Estates, CA 90274	WE	Flight Test Pilot

CONSULTANT	ADDRESS	REGION	LIMITATIONS
Clifford L. Stout	63 South Foothill Road Medford, OR 97501	WE	Flight Test Pilot
Leo J. Sullivan	5675 Roswell Road, N. E. Atlanta, GA 30305	SO	Flight Test Pilot