



Federal Aviation
Administration

Designees & Delegations

Designated Engineering Representative (DER)

A DER is an individual, appointed in accordance with 14 CFR [§ 183.29](#)

(http://ecfr.gpoaccess.gov/cgi/t/text/text-idx?c=ecfr&tpl=/ecfrbrowse/Title14/14cfr183_main_02.tpl) , who holds an engineering degree or equivalent, possesses technical knowledge and experience, and meets the qualification requirements of [Order 8100.8D](#)

(http://www.faa.gov/regulations_policies/orders_notices/index.cfm/go/document.information/documentID/1019601) .

A DER may be appointed to act as a Company DER and/or Consultant DER.

Company DERs can act as DER for their employer and may only approve, or recommend approval, of technical data to the FAA for the company.

Consultant DERs are individuals appointed to act as an independent (self-employed) DER to approve or recommend approval of technical data to the FAA.

DER Technical Disciplines

- Acoustical Engineering
- Engine Engineering
- Flight Analyst
- Flight Test Pilot
- Powerplant Engineering
- Propeller Engineering
- Radio Engineering
- Structural Engineering
- System and Equipment Engineering

The [FAA Consultant DER Directory](#) (PDF) provides a list of Consultant DERs, by state and technical discipline.

Become a DER

[Designated Engineering Representative \(DER\) Applications](#)

(http://www.faa.gov/other_visit/aviation_industry/designees_delegations/asa/appeng/)

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ELECTRONIC CODE OF FEDERAL REGULATIONS

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Title 14: Aeronautics and Space

PART 183—REPRESENTATIVES OF THE ADMINISTRATOR

Subpart C—Kinds of Designations: Privileges

§ 183.29 Designated engineering representatives.

(a) A structural engineering representative may approve structural engineering information and other structural considerations within limits prescribed by and under the general supervision of the Administrator, whenever the representative determines that information and other structural considerations comply with the applicable regulations of this chapter.

(b) A power plant engineering representative may approve information relating to power plant installations within limitations prescribed by and under the general supervision of the Administrator whenever the representative determines that information complies with the applicable regulations of this chapter.

(c) A systems and equipment engineering representative may approve engineering information relating to equipment and systems, other than those of a structural, powerplant, or radio nature, within limits prescribed by and under the general supervision of the Administrator, whenever the representative determines that information complies with the applicable regulations of this chapter.

(d) A radio engineering representative may approve engineering information relating to the design and operating characteristics of radio equipment, within limits prescribed by and under the general supervision of the Administrator whenever the representative determines that information complies with the applicable regulations of this chapter.

(e) An engine engineering representative may approve engineering information relating to engine design, operation and service, within limits prescribed by and under the general supervision of the Administrator, whenever the representative determines that information complies with the applicable regulations of this chapter.

(f) A propeller engineering representative may approve engineering information relating to propeller design, operation, and maintenance, within limits prescribed by and under the general supervision of the Administrator whenever the representative determines that information complies with the applicable regulations of this chapter.

(g) A flight analyst representative may approve flight test information, within limits prescribed by and under the general supervision of the Administrator, whenever the representative determines that information complies with the applicable regulations of this chapter.

(h) A flight test pilot representative may make flight tests, and prepare and approve flight test information relating to compliance with the regulations of this chapter, within limits prescribed by and under the general supervision of the Administrator.

(i) An acoustical engineering representative may witness and approve aircraft noise certification tests and approve measured noise data and evaluated noise data analyses, within the limits prescribed by, and under the general supervision of, the Administrator, whenever the representative determines that the noise test, test data, and associated analyses are in conformity with the applicable regulations of this chapter. Those regulations include, where appropriate, the methodologies and any equivalencies previously approved by the Director of Environment and Energy, for that noise test series. No designated acoustical engineering representative may determine that a type design change is not an acoustical change, or approve equivalencies to prescribed noise procedures or standards.

[Doc. No. 1151, 27 FR 4951, May 26, 1962, as amended by Amdt. 183-7, 45 FR 32669, May 19, 1980; Amdt. 183-9, 54 FR 39296, Sept. 25, 1989]

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