

Fluid Power Certification Board
INTERNATIONAL FLUID POWER SOCIETY
THE INTERNATIONAL ORGANIZATION
FOR FLUID POWER AND MOTION CONTROL PROFESSIONALS
P.O. Box 1420, Cherry Hill, NJ 08034-0054 / Phone: 800-308-6005 FAX: 856-424-9248

Application
Fluid Power Engineer Certification

Form 207.02

Requirements for IFPS Engineer Certification:

1. IFPS Specialist Certification*
 - a. Hydraulic Specialist Certification, AND
 - b. Pneumatic Specialist Certification
2. Certified Professional Engineer or degree equivalent (BS from ABET recognized university)
3. Eight years work experience in the fluid power and motion control industry
4. Completion of IFPS Engineer Application which is then put before our Board of Directors for approval (\$280 Member / \$345 Non-Member)

**If Specialist Certification was obtained before HS and PS became separate entities (1998), the current Specialist Certification will fulfill the HS requirement only; the PS test must be taken and passed as well before applying for Engineer Certification.*

EDUCATION – CERTIFICATION - PROFESSIONALISM



Instructions

- I. The Fluid Power Certification Board (FPCB) does not address the examination of applicants to determine whether or not they are, in fact, engineers. Such recognition is a prerequisite to consideration by the FPCB and is established by information provided in the application. Standards currently recognized by the engineering profession as a whole and promulgated through such agencies as U.S. State Registration Boards, the Canadian Professional Engineer Act, other equivalent National or State Registration Boards, the National Society of Professional Engineers, founder societies such as ASME, IEEE, etc., have been adopted by IFPS as criteria for determining a candidate's eligibility for the title "Engineer" or "Professional Engineer." The burden of proof is on the applicant.

FPCB Fluid Power Certification is predicated on proof of engineer candidates' knowledge of and expertise in the fluid power technology.

- II. The "Model Law for the Registration of Engineers" was originally established by the Council of State Boards of Engineering and provides the guidelines for defining engineering categories, practices, etc. IFPS has adopted these guidelines for the Fluid Power Engineer Certification program as follows:

Important definitions for administering the examination process and professional licensing were set down in the law. They are:

- The term *Professional Engineer* is differentiated from the term *Engineer* as meaning a person who has been duly registered or licensed to practice by the state board. This registration is based on education, experience, and an examination signifying the area of demonstrated competence.

- The term *Engineer* is defined as a person who is qualified to practice engineering by reason of special knowledge and use of the mathematical, physical, and engineering sciences and methods of engineering analysis and design acquired by engineering education and experience.

- *Certified Fluid Power Engineer* is defined as a person who, in addition to having achieved status as an *Engineer*, P.E., or P. Eng., has met the requirements for Certification as a *Fluid Power Engineer* as laid down by the FPCB.

- *Consulting Engineer* means a Professional Engineer whose principal occupation is the independent practice of engineering; whose livelihood is obtained by offering engineering services to the public; who serves clients as an independent fiduciary; who is devoid of public, commercial, and product affiliation that might tend to infer a conflict-of-interest; and who is cognizant of his or her public and legal responsibilities, is capable of discharging them, and subscribes to the IFPS Code of Ethics, see page 9.

- *Responsible Charge* is direct control and personal supervision of fluid power engineering work.



The Model Law is accepted by all the states, with minor modification, and is functioning well as a unifying force for registration throughout the United States. Even though states differ, to a minor degree, in their legal and administrative approach and use of the Model Law, they are all united in their respect for the principle of responsible charge in order to protect the public. This principle is stressed in the requirement that each Certification applicant have experience in the field and in the experience-related

III. Criteria for Fluid Power Engineer Certification

- A. Applicants for Fluid Power Engineer Certification must be an "Engineer" as defined in Parts I & II. Registration as a Professional Engineer will be accepted as meeting the burden of proof requirement. Applicants who are not P.E.s or P.Eng. must satisfy the requirement by providing qualifying information on the application form. This includes education, professional experience, demonstration of expertise at an engineering level in fluid power, proof of responsible charge as defined in Part II, references, etc.

In addition, the candidate must have eight (8) years of accumulated experience in responsible charge in fluid power engineering.

Until the test is released, the interim rules require that the applicant has passed both the Hydraulic Specialist and Pneumatic Specialist tests.

When the Fluid Power Engineer test is released, the applicant must have passed a Specialist test as proof that he is versed in the basics of fluid power.

- B. General practice under the Model Law has required at least a Bachelor of Science degree from a recognized engineering college in disciplines relating to fluid power technology. Graduate degrees also must be in disciplines relating to fluid power practice to carry weight in the evaluation of a candidate.

Applications must be typewritten, notarized, and submitted with the \$280(IFPS Members) / \$345 (non-member) application fee. Unsuccessful applicants will receive a refund of their application fee (less an \$85.00 administrative fee.) Additional experience information may be supplied in the format provided with the application. Each sheet must be signed. Upon receipt, the application will be processed and reviewed. The Fluid Power Certification Board may request additional experience information. You will be notified of FPCB actions and decisions.

Successful completion of the above requirements qualifies the applicant as a Certified Fluid Power Engineer and shall be so designated by the Fluid Power Certification Board.



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FOR FLUID POWER AND MOTION CONTROL PROFESSIONALS

**Application For Certification as
FLUID POWER ENGINEER**

Instructions for Filing Applications

- a. Each applicant for Fluid Power Engineer Certification shall fill out the application blank in every detail.
- b. Money Order, Bank Draft, or Check in payment of fee must accompany the application, made payable to the Fluid Power Certification Board, in the amount of \$280(member) \$345(non-member). Unsuccessful applicants will receive a refund of their application fee (less an \$85.00 administrative fee.)
- c. The application **shall be typewritten** and submitted to the FPCB Secretariat, c/o IFPS Headquarters.

I. General Information

1. Name in Full _____
2. Usual Written Signature (typed) _____
3. Residence Address _____
City, State, Zip _____
4. Residence Phone _____ Residence Fax _____
5. Residence E-mail _____
6. Social Security Number (*not mandatory - for identification purposes only*) _____
7. Present Position (Organization and Title) _____
8. Business Address _____
City, State, Zip _____
9. Business Phone _____ Business Fax _____
10. Business E-mail _____
11. Address correspondence to () home () business address — Check one.
12. Place of Birth _____ Date _____
13. Citizen of (state or foreign country) _____
14. Are you registered or licensed as a Professional Engineer or P.Eng.? () Yes () No
Registration Pending? () Yes () No
If yes, give name of state or country _____
Registration No. _____ Date of Expiration _____
15. Have you ever been refused a registration in any state/country? () Yes () No
If yes, what state/country? _____
16. Has your license ever been revoked in any state/country? () Yes () No
If yes, what state/country? _____



17. Are you engaged in the practice of your profession at the present time? () Yes () No

If no, state present occupation _____

Number of years since practice as an engineer _____

18. Names of engineering and allied organizations to which you belong, and grade of membership

Use back of sheet if additional space is needed.



IV. REFERENCES

List below at least five (5) references, three (3) of which references shall be registered engineers having knowledge of your engineering experience. Show also the state in which the engineering reference is registered and his/her registration number.

(Do not include relatives or members of this Board)

Board Use Only	Name	Full Mailing Address	Occupation	Business Relation To Applicant



I have read the contents hereof and clearly understand that the correctness and truth of my statements as recorded in this application are material, not only to the issuance or the Certification as applied for, but also the retention of said Certification, if issued. I also by this affidavit do release the above named references, employers, or former employers from all liability to me for any damage whatsoever for giving any information they may have regarding me. Further, I have read the Code of Ethics and agree to be bound by same, should I become an FPCB Certified Fluid Power Engineer.

(Signature of applicant)

STATE of _____

County of _____

_____ of _____
(Name of Applicant)

State of _____, being duly sworn, says that _____ is the person named in the above application to the Fluid Power Certification Board and the applicant further says that the statement therein contained are each and all strictly true in every respect.

Subscribed and sworn to before me, this _____ day of _____ A.D. 20 _____

Notary Public / Justice of the Peace

My commission expires _____

Notary seal or stamp



IFPS CERTIFIED FLUID POWER ENGINEERS
CODE OF ETHICS
March 1997

PREAMBLE

To comply with the purpose of the International Fluid Power Society Engineer Certification which is "to safeguard life, health and property," and to maintain a high standard of integrity and practice, the FPCB has developed this Code of Ethical Conduct.

This Code of Ethical Conduct shall be binding on every person holding a Certification to offer or perform fluid power engineering services. Persons holding either Certification or a temporary permit to practice are referred to herein as registrants.

CFPEs are required to be familiar with this Code of Ethical Conduct. This Code of Ethical Conduct delineates specific obligations the registrant must meet. In addition, each CFPE is charged with the responsibility of adhering to standards of highest ethical and moral conduct in all aspects of the practice of Fluid Power Engineering.

Practice as a Certified Fluid Power Engineer is a privilege, as opposed to a right. All registrants shall exercise their privilege of practicing by performing services only in the areas of their competence according to current standards of technical competence.

CFPEs shall recognize their responsibility to the public and shall represent themselves before the public only in an objective and truthful manner.

They shall avoid conflicts of interest and faithfully serve the legitimate interests of their employers, clients, and customers within the limits defined by these rules. Their professional reputation shall be built on the merit of their services and they shall not compete unfairly with others.

I. OBLIGATION TO SOCIETY

a. Certificants, in the performance of their services for clients, employers, and customers, shall be cognizant that their first and foremost responsibility is to the public welfare.

b. CFPEs shall approve and seal only those design documents that conform to accepted engineering standards and safeguard the life, health, property, and welfare of the public.

c. CFPEs shall notify their employer or client and such other authority as may be appropriate when their professional judgment is overruled under circumstances where the life, health, property, or welfare of the public is endangered.

d. CFPEs shall be objective and truthful in professional reports, statements or testimony. They shall include all relevant pertinent information in such reports, statements or testimony.

e. CFPEs shall express a professional opinion publicly only when it is founded upon an adequate knowledge of the facts and a competent evaluation of the subject matter.

f. CFPEs shall issue no statements, criticisms or arguments on technical matters which are inspired or paid for by interested parties unless they explicitly identify the interested parties on whose behalf they are speaking, and reveal any interest they have in the matters.

g. CFPEs shall not permit the use of their name or firm name by, nor associate in business ventures with, any person or firm which is engaged in fraudulent or dishonest business or professional practices.

h. CFPEs having knowledge of possible violations of any of the provisions of the Statutes, or Rules of this Code of Ethical Conduct shall provide the FPCB information and assistance necessary to the final determination of such violation.



II. OBLIGATION TO EMPLOYER AND CLIENTS

a. CFPEs shall undertake assignments only when qualified by education or experience in the specific technical fields of engineering involved.

b. CFPEs shall not affix their signatures or seals to any plans or documents dealing with subject matter in which they lack competence, nor to any such plan or document not prepared under their direct control and personal supervision.

c. CFPEs may accept assignments for coordination of an entire project, provided that each design segment is signed and scaled by the registrant responsible for preparation of that design segment.

e. CFPEs shall not solicit or accept financial or other valuable consideration, directly or indirectly, from contractors, their agents, or other parties in connection with work for employers or clients.

f. CFPEs shall make full prior disclosures to their employers or clients of potential conflicts of interest or other circumstances which would influence or appear to influence their judgment or the quality of their service.

g. CFPEs shall not accept compensation, financial or otherwise, from more than one party for services pertaining to the same project, unless the circumstances are fully disclosed and agreed to by all interested parties.

h. CFPEs shall not solicit or accept a professional contract from a governmental body on which a principal or officer of their organization serves as a member. Conversely, registrants serving as members, advisors, or employees of a governmental body or department, who are the principals or employees of a private concern, shall not participate in decisions with respect to professional services offered or provided by said concerns to the governmental body which they serve.

III. OBLIGATION TO OTHER CFPEs

a. CFPEs shall not falsify or permit misrepresentation of their, or their associates', academic, or professional qualifications. They shall not misrepresent or exaggerate their degree of responsibility in prior assignments nor the complexity of said assignments. Presentations incident to the solicitation of employment or business shall not misrepresent pertinent facts concerning employers, associates, joint ventures or past accomplishments.

b. CFPEs shall not offer, give, solicit, or receive either directly or indirectly, any commission, or gift, or other valuable consideration in order to secure work and shall not make any political contribution with the intent to influence the award of a contract by a public authority.

c. CFPEs shall not attempt to injure, maliciously or falsely, directly or indirectly, the professional reputation, prospects, practice or employment of other registrants, nor indiscriminately criticize other registrants' work.

I have read this Code of Ethics and agree to its tenets.

Signature

Date

