

1st Draft  
1st DRAFT

IRE PROFESSIONAL GROUP ON  
RADIO FREQUENCY INTERFERENCE

The Professional Group on Radio Frequency Interference is an association of IRE members and affiliates of accredited professional organizations who have a common interest in the field of radio frequency interference. The Group is concerned with the origin, effect, control and measurement of radio frequency interference, the advancement of knowledge in this field and the exchange and dissemination of technical information among its members. The Group also cooperates with other professional groups in areas of mutual interest for the purpose of providing a technical service to allied fields and to expand the knowledge of radio frequency interference origin and effects and techniques of its measurement and control.

PGRFI INTERESTS AND ACTIVITIES

In this nuclear age and the ever widening frontiers of science leading to the conquest of space, the problems of compatibility between the intricate electronic mechanisms, the necessity for telemetry to study conditions, operations, and characteristics at a distance, and the necessity for radio control of missiles, and parallel problems in allied fields has increased manifold the problems of mutual interference. The origin and effects of radio frequency interference and the techniques of interference control must be well known by the designer of equipment while the new design is still in

the thinking stage. One of the major reasons for forming this Group was to provide a source of information for the designer so he can integrate interference control features into the design of equipment while the design is still in the embryo stage.

The PGRFI engages in various activities to disseminate the knowledge gained, to advance the science of interference measurement techniques and control, and to provide for the free exchange of ideas. To accomplish this the PGRFI provides for publication of technical literature in the field of radio frequency interference, organizes technical sessions for discussion of topics of current interest, and sponsors local Group Chapter activities for personal contact. Because of the wide interest in this field the PGRFI also sponsors technical sessions jointly with other groups.

#### PGRFI AFFILIATES

An individual may now join PGRFI as an affiliate. The affiliate plan enables individuals who are not IRE members but who have an interest in radio frequency interference to join PGRFI. Engineers of other professional societies, and physicists, technicians and sub-professionals are especially welcomed as affiliates. Admission as an affiliate requires only membership in a professional society. Examples of such a society are listed below. Affiliates will pay a fee some-

what larger than the Group fee for IRE members and will have all the privileges of PGRFI except that of holding elective office.]

EXAMPLES OF SOCIETIES WHOSE MEMBERS  
ARE INVITED TO BECOME PGRFI AFFILIATES

A member of any professional society like the examples below is eligible to become a PGRFI Affiliate provided he has not been an IRE member during the five year period prior to his affiliate application.

American Institute of Electrical Engineers

AES

SAE

IAS

IES

AS Naval E

A Welding

Asso

A

ASME

IEE

AIP

A current list of societies whose members are eligible to become PGRFI affiliates may be obtained by writing to the IRE Headquarters.

[ Group affiliation may be maintained as long as the individual continues membership in one of the above listed organizations.

An affiliate may serve in any appointive Group or Group Chapter office but an affiliate may not serve in an elective office in the Group or Group Chapter, nor vote for candidates for these offices.

An affiliate may receive any IRE benefits approved by the Executive Committee of the IRE. ]

HOW AN INDIVIDUAL MAY BECOME  
AN AFFILIATE OF PGRFI

Fill out the attached application blank entitled PGRFI Application for Affiliates. Detach the completed application and mail your check for \$6.50 to the IRE, 1 East 79th Street, New York 21, N. Y.

PUBLICATIONS

The PGRFI publishes the IRE TRANSACTIONS ON RADIO FREQUENCY INTERFERENCE which serves to disseminate knowledge in the field of radio frequency interference.

The issues of the TRANSACTIONS are distributed without additional cost to PGRFI members and affiliates who have paid the annual assessment.

Convention Records are published which contain all papers presented at the IRE Annual Convention sessions and at the WESCON sessions on radio frequency interference. The convention Records are also distributed to Group members and Affiliates without additional cost.

In addition a Newsletter is issued regularly which

contains news of Chapter activity, committee meetings, and announcements of conferences and symposia.

#### SYMPOSIA, CONFERENCES AND MEETINGS

The PGRFI arranges technical sessions on radio frequency interference for the IRE Annual Convention held each March. The PGRFI also sponsors a radio frequency interference session at the Western Electronic Show and Convention (WESCON), each August.

In addition to these regular meetings, the Group jointly sponsors symposia with other organizations such as the Armour Research Foundation of the Illinois Institute of Technology and the U. S. Army Signal Engineering Laboratory.

#### PGRFI LOCAL CHAPTERS

The formation of a PGRFI Chapter is encouraged whenever a sufficient number of IRE members with a professional interest in radio frequency interference can be assembled. The Chapter may sponsor technical meetings, assist with paper procurement, offer technical assistance to local equipment designers and serve to generate further interest in radio frequency interference.

#### INTERNATIONAL ACTIVITIES

As the IRE is an international organization, so the PGRFI

also seeks to serve IRE members overseas. The Group is interested in the formation of local Chapters overseas and will gladly lend its support to persons interested in such organizational activity by supplying IRE membership lists, and advice on organizational procedures.

#### HOW TO JOIN THE PGRFI

Fill out the appropriate application form on the back of this leaflet and mail with your check for \$2.00 to IRE Headquarters.

For additional information regarding IRE-PGRFI and the affiliate plan write to: L. G. Cumming, Technical Secretary, The Institute of Radio Engineers, Inc., 1 East 79th Street, New York 21, New York.

#### STUDENT MEMBERS

Membership in the PGRFI is open to all IRE student members. A student member may join the PGRFI for a fee of \$1.00, provided it is the first group selected. If not the first selected, the fee is the regular assessment of \$2.00.

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PGRFI AFFILIATES

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Insert → see old brochure

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3rd Draft

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An affiliate may serve in any appointive Group or Group Chapter office but he may not serve in an elective office in the Group or Group Chapter, nor vote for candidates for these offices.

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MEMBERSHIP APPLICATION

THE PROFESSIONAL GROUP ON RADIO FREQUENCY INTERFERENCE

Send to L. G. Cumming, Technical Secretary  
IRE Headquarters: 1 East 79th Street, New York 21, N. Y.

Name \_\_\_\_\_

Mailing Address \_\_\_\_\_

\_\_\_\_\_

Company \_\_\_\_\_

Field of Interest \_\_\_\_\_

- I am a \_\_\_\_\_ member of IRE and hereby apply for membership in PGRFI  
(Grade)
- My <sup>fee</sup> assessment\* is enclosed
- I am interested in joining IRE and the PGRFI. Please send information.

\*~~Assessment~~ <sup>Fee</sup>: \$2.00 for IRE members of all grades except Student.  
Student assessment is \$1.00 if PGRFI is first Professional Group selected.

The Institute of Radio Engineers, Inc., 1 East 79th Street, New York 21, N. Y.

PROFESSIONAL GROUP ON RADIO FREQUENCY INTERFERENCE APPLICATION FOR AFFILIATES

To Affiliate with PGRFI, indicate the societies of which you are a member, and remit the assessment shown below to IRE Headquarters with this application.

Information requested below MUST be furnished.

Name (Please Print) \_\_\_\_\_

Mailing Address \_\_\_\_\_  
(Street)

\_\_\_\_\_ City \_\_\_\_\_ Zone \_\_\_\_\_ State (Country)

I am presently a member of: \_\_\_\_\_  
(name of accredited association)

I have not been a member of the IRE for the past five years.  
I enclose \$6.50 which is the publications assessment for PGRFI.

(Signed) \_\_\_\_\_