

POSSIBLE GROUPING OF TECHNICAL COMMITTEES
(or corresponding Institute Technical Groups) of AIEE and Professional Groups
of IRE into "Professional-Technical Groups" within five broad areas:

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"Professional-Technical Group"

Technical Committees AIEE (1)

Professional Groups IRE

A. COMMUNICATIONS

Antennas and Propagation		G-3	Antennas and Propagation
Broadcasting		G-1	Audio
		G-2	Broadcasting
		G-8	Broadcast and TV Receivers
Communication Theory	9c	G-4	Circuit Theory
		G-12	Information Theory
Microwave Theory and Techniques		G-17	Microwave Theory and Techniques
Radio Communication Systems	9b	G-19	Communication Systems
	9e	G-6	Vehicular Communication
		G-27	Radio Frequency Interference
Wire Communications	9g		Telegraph
	9h		Wire Communication Systems
Military Electronics	9e	G-24	Military Electronics

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B. POWER AND INDUSTRY

Electric Power Generation	13b	Power Generation	
	13f	Rotating Machinery	
Electric Power Systems	13i	Transmission and Distribution	
	13i	Systems Engineering	
	13d	Protective Devices	
	13e	Relays	
	13a	Insulated Conductors	
Electric Substations	13g	Substation	
	13h	Switchgear	
	13j	Transformers	
Electric Power in Industry	11a	Chemical Industry	
	11e	General Industry Applications	
	11i	Machine Tool Industry	
	11j	Metal Industry	
	11k	Mining Industry	
	11l	Petroleum Industry	
	11m	Rubber and Plastics Industry	
	11n	Textile Industry	
	11o	Cement Industry	
	10c	Land Transportation	
	10d	Marine Transportation	
Industrial Electrotechnology	11b	Electric Heating	G-13 Industrial Electronics
	11e	Electric Welding	
	11f	Industrial and Commercial Power Systems	G-20 Ultrasonics Engineering
	11h	Industrial Power Rectifiers	
	10e	Production and Application of Light	
	14e	Electronics Application	

C. CONTROL, COMPUTERS AND INSTRUMENTATION

Electronic Computers	14b	Computing Devices	G-16 Electronic Computers
	9d	Data Communications	

(over)

"Professional-Technical Group"

Technical Committees AIEE

Professional Groups IRE

Automatic Control	11g Industrial Control	G-23 Automatic Control
	11d Feedback Control	G-28 Human Factors in Electronics
	12f Recording and Controlling Instrumentation	
	f4 Man-Machine Integration	
Aerospace Electronics	10a Aerospace Transportation	G-10 Space Electronics and Telemetry
	9f Space Communications	G-11 Aerospace and Navigational Electronics
	12h Telemetering	
Instrumentation	12b Electronic & High Frequency Instruments	G-9 Instrumentation
	12c Fundamental Electrical Standards	
	12d Indicating & Integrating Instruments	
	12g Special Instrumentation & Auxiliary Apparatus	
Production		G-7 Reliability and Quality Control
		G-22 Product Engineering and Production

D. SCIENCE, ENERGY AND MATERIALS

Materials Science	f7 Research	
	14a Basic Sciences	
	14e Electronics per se	
	14c Electrical Insulation	
Electron Devices	14k Electronic Tubes	G-15 Electron Devices
	14i Solid State Devices	
	14h Semiconductor Rectifiers	
Components	14e Electronic Transformers	G-21 Component Parts
	14f Magnetic Amplifiers	
Nuclear Science	14g Nucleonics	G-5 Nuclear Science
	12e Nuclear Instrumentation	
	F5 Nuclear Congress	
Biomedical Electronics	14d Electrical Techniques in Medicine and Biology	G-18 Biomedical Electronics
	f7a Safety	

E. EDUCATION AND MANAGEMENT

Electrical Engineering Education		G-25 Education
Engineering Management	d7 Management	G-14 Engineering Management
	f7 Research	G-26 Engineering Writing and Speech

(1) Code Designation of AIEE Divisions:

9 Communications	12 Instrumentation
10 General Applications	13 Power
11 Industry	14 Science and Electronics

f, F refer to general committees in TOD, d refers to committee in Professional Development and Recognition Department.