The circuits workgroup examines technology areas related to:
- electrical power generation and transmission
- electrical protection systems
- switches
- connectors
- motors
- conductors and insulators
- electrical device housings and mounting assemblies
- electrical power regulation and conversion
- miscellaneous nonlinear and digital logic circuits
- radio wave antennas
- musical instruments

The optics workgroup examines technology areas related to:
- liquid crystal cells,
- optics: eye examining, vision testing and correcting
- optical systems and elements
- illumination
- registers
- optics measuring & testing
- radiant energy
- optics: motion pictures
- electric lamp and discharge devices
- electric lamp and discharge devices: consumable electrodes
- electric lamp and discharge devices: component or device manufacturing
- scanning-probe techniques or apparatus
- applications of scanning-probe techniques
- optics: image projectors
- photocopying
- x-ray or gamma ray systems or devices