

## P r e f a c e

Electric power generation in the field is vital to the support of the AirLand Battle doctrine. Field Manual (FM) 20-31 provides information about the engine-driven electrical generator sets used by the Department of Defense (DOD) in the field. These generators produce from 0.5 to 500 kilowatts (kw) of electricity and are designed to meet most military needs. Topics discussed in the manual include the types of generators available and how to select, install, connect, operate, and maintain them. Fuel supplies, safety procedures, and first aid treatment for electric shock victims are also discussed. The last chapter describes demolition procedures required to deny enemy takeover of equipment.

This manual is intended for all levels of generator set operators, their supervisors, and maintenance personnel. Operations personnel can use the manual as a planning guide.

The proponent agency of this publication is the US Army Engineer School. Users are invited to submit comments and suggested improvements on Department of the Army (DA) Form 2028 (Recommended Changes to Publications and Blank Forms). Send the form directly to the Commandant, US Army Engineer School, ATTN: ATZA-TD-P, Fort Belvoir, VA 22060-5291.

Unless otherwise stated, whenever the masculine or feminine gender is used, both men and women are included.

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