

equipment under the authority of the Noise Control Act or State, interstate and local standards.

(3) Environmental noise standards—property use and/or operational noise levels that are permitted under those conditions specified in Federal, State, interstate and local standards and regulations.

(b) Occupational noise level standards applicable to the Army are contained in AR 40-5, AR 385-10, TB MED 251 and MIL-STD-1474(MI).

(c) Product noise emission standards are published in the Code of Federal Regulations (CFR). Army materiel excluded from compliance with such emission standards at the time of manufacture are aircraft, vehicles, weapons systems and other products produced for combat use. Commercially manufactured products or those adapted for general military use will comply with the following Federal noise standards:

(1) Commercial Aircraft—14 CFR parts 21, 36 and 91.

(2) Motor Carrier Noise Emission Standards—40 CFR part 202 and 23 CFR part 772. (Section 18 of Noise Control Act only.)

(3) Motors and Engines—40 CFR part 206.

(4) Railroad Noise Emission Standards—40 CFR part 201.

(5) Construction Equipment—40 CFR part 204.

(6) Transportation Equipment—40 CFR part 205.

(d) MIL-STD-1474(MI), Noise Limits for Army Materiel, establishes acoustical noise limits for Army materiel and prescribes the testing requirements and measurement techniques for determining conformance to the noise limits therein.

(e) Environmental noise will be assessed and controlled in accordance with the provisions set forth herein.

§ 650.169 Noise measurement standards.

(a) Noise pollution control standards are applicable to both existing and new Army facilities.

(b) Army facilities and activities will comply with applicable Federal, State, interstate and local noise standards unless a waiver is specifically obtained in accordance with § 650.175. Where no

applicable noise regulations and standards exist, installation commanders will minimize noise intrusions into areas surrounding the installations to prevent them from being a source of complaint. An EPA manual that provides general guidance in the absence of specific standards is listed in 15, table 7-1.

(c) Measurements in decibels (dBA) should be used for measuring continuous sound levels from Army activities or facilities. For impulse noise such as weapons firing and explosives, the EPA has recommended dBC.

(d) Environmental noise levels should be identified using an equivalent sound level description system known as Leq/Ldn. This new methodology supplements and replaces earlier techniques such as Composite Noise Ratings (CNR) and Noise Exposure Forecast (NEF). The basic reference is EPA Document 550/9-74-004, "Information on Levels of Environmental Noise Requisite to Protect Public Health and Welfare with an Adequate Margin of Safety," March 1974. It is available from the U.S. Government Printing Office. Use will be made of this descriptor system in discussing noise implications in all Environmental Impact Assessments (EIA) and Environmental Impact Statements (EIS). Other rating schemes may be used, but should be related to Leq/Ldn. Ldn is recommended by EPA for blast impulse noise on an interim basis pending further research and study.

§ 650.170 Assessment of noise.

The impact of environmental noise whose source is located on Army-controlled property will be included in an EIA or an EIS of any Army proposed action. Analyses of such significant sources of environmental noise as airfields and firing ranges should be based on field measurements by acoustical technicians.

(a) Technical assistance on land use management or real property associated noise problems (e.g., blast noise, etc.) can be obtained from U.S. Army Construction Engineering Research Laboratory (CERL), P.O. Box 4005, Champaign, IL 61820. A helpful reference on this matter is the CERL document: "User Manual for the Acquisition and Evaluation of Operational