

Noise Measurement Manual

Noise Measurement Manual

United States. War Department



Noise Measurement Manual:

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Federal Regulations of the United States of America ,1970 The Code of Federal Regulations is the codification of the general and permanent rules published in the Federal Register by the executive departments and agencies of the Federal Government *A Guide To U.S. Aircraft Noise Regulatory Policy* Sanford Fidell,Vincent Mestre,2020-07-03 Aviation noise remains the primary hindrance to expansion of airport and airspace capacity in the United States This book describes the development and practice of U S aircraft noise regulation as well as the practical consequences of regulatory policy Starting in the pre jet transport era the book traces the development of the modern framework for characterizing standardizing predicting disclosing and mitigating aircraft noise and its effects on airport vicinity communities Among other matters the book treats noise related consequences of the 1978 deregulation of the airline industry prediction and mitigation of community reaction to airport noise land use compatibility planning recent research and industry trends and some suggestions for potential improvements to current policy Initial chapters describe the assumptions underlying aircraft noise regulation and lay out the chronology of U S aircraft noise regulatory practice Later chapters provide overviews of population level effects of aviation noise including health effects speech and sleep interference and annoyance Readers will learn why predictions of the prevalence of aircraft noise induced annoyance have systematically underestimated adverse community response to aircraft noise and how such underestimation has complicated approval and funding of airport and airspace improvement projects They will also learn why attempts at noise compatible land use planning are seldom fully successful

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