



I.S./ENV 25349:1993

IRISH STANDARD

**MECHANICAL VIBRATION – GUIDELINES FOR THE
MEASUREMENT AND THE ASSESSMENT OF HUMAN
EXPOSURE TO HAND-TRANSMITTED VIBRATION (ISO
5349:1986)**

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DECLARATION

OF

SPECIFICATION

ENTITLED

**MECHANICAL VIBRATION – GUIDELINES FOR THE MEASUREMENT AND THE
ASSESSMENT OF HUMAN EXPOSURE TO HAND-TRANSMITTED VIBRATION
(ISO 5349:1986)**

AS

THE IRISH STANDARD SPECIFICATION FOR

**MECHANICAL VIBRATION – GUIDELINES FOR THE MEASUREMENT AND THE
ASSESSMENT OF HUMAN EXPOSURE TO HAND-TRANSMITTED VIBRATION
(ISO 5349:1986)**

EOLAS - The Irish Science and Technology Agency in exercise of the power conferred by section 20 (3) of the Industrial Research and Standards Act, 1961 (No. 20 of 1961) and the Science and Technology Act, 1987 (No. 30 of 1987), and with the consent of the Minister for Enterprise and Employment, hereby declares as follows:

1. This instrument may be cited as the Standard Specification (Mechanical Vibration – Guidelines for the Measurement and the Assessment of Human Exposure to Hand-Transmitted Vibration (ISO 5349:1986)) Declaration, 1993.

2. (1) The Specification set forth in the Schedule to this declaration is hereby declared to be the standard specification for Mechanical Vibration – Guidelines for the Measurement and the Assessment of Human Exposure to Hand-Transmitted Vibration (ISO 5349:1986). The Schedule comprises the text of ENV 25349 : 1992.

(2) The said standard specification may be cited as Irish Standard/ENV 25349 : 1993 or as I.S./ENV 25349 : 1993.

Introduction

Background

Objectives

1.0

The purpose of this study was to investigate the effect of the intervention on the outcome of interest. The study was conducted in a randomized controlled trial design.

Methods

Results

The results of the study are presented in Table 1.

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Conclusion

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EUROPEAN PRESTANDARD

ENV 25349:1992

PRÉNORME EUROPÉENNE

EUROPÄISCHE VORNORM

October 1992

UDC 534.1:534.6:614.872.5:534.83

Descriptors: Vibration, measurements, measuring instruments, human body, human factor engineering, hand (anatomy), safety rules, work safety

English version

Mechanical vibration - Guidelines for the measurement and the assessment of human exposure to hand-transmitted vibration (ISO 5349:1986)

Vibrations mécaniques - Principes directeurs pour le mesurage et l'évaluation de l'exposition des individus aux vibrations transmises par la main (ISO 5349:1986)

Mechanische Schwingungen - Leitfaden zur Messung und Beurteilung der Einwirkung von Schwingungen auf das Hand-Arm-System des Menschen (ISO 5349:1986)

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CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

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Foreword

Following consideration of the result of a Primary Questionnaire among members, the CEN Technical Board decided in October 1991 to submit the International Standard :

ISO 5349:1986 "Mechanical vibration - Guidelines for the measurement and the assessment of human exposure to hand-transmitted vibration"

to the formal vote for approval as European Prestandard.

The result of the formal vote was positive.

The Technical Committee CEN/TC 231 "Mechanical vibration and shock" is of the opinion that the International Standard ISO 5349:1986 shall be revised, especially to take into account the following :

- to check validity of dose-effect relationship in Annex A
- to better explain the differences between field measurements and type test measurements (see the Introduction to the European Prestandard)
- to study the possibility to include informations on influence of factors such as mass of the machine, feed and grip forces, ergonomic design of the machine, etc.
- to propose a procedure to evaluate the exposure time.

According to the CEN/CENELEC Internal Regulations, the following countries are bound to announce this European Prestandard :

Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

Endorsement notice

The text of the International Standard ISO 5349:1986 was approved by CEN as a European Prestandard without any modification.

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