



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 60994 : 1993

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**GUIDE FOR FIELD MEASUREMENT OF
VIBRATIONS AND PULSATIONS IN
HYDRAULIC MACHINES (TURBINES,
STORAGE PUMPS AND PUMP-TURBINES)
(IEC 994:1991)**

National Standards
Authority of Ireland
Glasnevin, Dublin 9
Ireland

Tel: +353 1 807 3800
Fax: +353 1 807 3838
<http://www.nsai.ie>

Sales
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Údarás um Chaighdeáin Náisiúnta na hÉireann

DECLARATION

OF

SPECIFICATION

ENTITLED

**GUIDE FOR FIELD MEASUREMENT OF VIBRATIONS AND PULSATIONS IN HYDRAULIC
MACHINES (TURBINES, STORAGE PUMPS AND PUMP-TURBINES) (IEC 994:1991)**

AS

THE IRISH STANDARD SPECIFICATION FOR

**GUIDE FOR FIELD MEASUREMENT OF VIBRATIONS AND PULSATIONS IN HYDRAULIC
MACHINES (TURBINES, STORAGE PUMPS AND PUMP-TURBINES) (IEC 994:1991)**

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 (Guide for Field Measurement of Vibrations and Pulsations in Hydraulic Machines (Turbines, Storage Pumps and Pump-Turbines) (IEC 994:1991)) Declaration, 1993.

2. (1) The Specification set forth in the Schedule to this declaration is hereby declared to be the standard specification for Guide for Field Measurement of Vibrations and Pulsations in Hydraulic Machines (Turbines, Storage Pumps and Pump-Turbines) (IEC 994:1991). The Schedule comprises the text of EN 60994 : 1992.

(2) The said standard specification may be cited as Irish Standard/EN 60994 : 1993 or as I.S./EN 60994 : 1993.

EUROPEAN STANDARD

EN 60994

NORME EUROPEENNE

EUROPÄISCHE NORM

October 1992

UDC 534.6:534.83:621.22:621.65

Descriptors: Hydraulic machine, turbine, pump, measuring, vibration, test, test conditions

ENGLISH VERSION

Guide for field measurement of vibrations and pulsations in hydraulic machines (turbines, storage pumps and pump-turbines)
(IEC 994:1991)

Guide pour la mesure in situ des vibrations et fluctuations sur machines hydrauliques (turbines, pompes d'accumulation et pompes-turbines)
(CEI 994:1991)

Leitfaden für die Messung von Schwingungen und Druckpulsationen an hydraulischen Maschinen (Turbinen, Speicherpumpen und Pumpturbinen) in Kraftwerken
(IEC 994:1991)

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CENELEC

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

Central Secretariat: rue de Stassart 35, B-1050 Brussels

FOREWORD

The CENELEC questionnaire procedure, performed for finding out whether or not the International Standard IEC 994:1991 could be accepted without textual changes, has shown that no common modifications were necessary for the acceptance as European Standard.

The reference document was submitted to the CENELEC members for formal vote and was approved by CENELEC as EN 60994 on 15 Septembre 1992.

The following dates were fixed:

- latest date of publication of an identical national standard (dop) 1993-09-01
- latest date of withdrawal of conflicting national standards (dow) 1993-09-01

Annexes designated "normative" are part of the body of the standard. In this standard, annex ZA is normative.

ENDORSEMENT NOTICE

The text of the International Standard IEC 994:1991 was approved by CENELEC as a European Standard without any modification.

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