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Non-destructive testing — Acoustic emission inspection — Secondary calibration of acoustic emission sensors

*Essais non destructifs — Contrôle par émission acoustique — Étalonnage
secondaire des capteurs d'émission acoustique*



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Foreword

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International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 12714 was prepared by Technical Committee ISO/TC 135, *Non-destructive testing*, Subcommittee SC 3, *Acoustical methods*.

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Introduction

The acoustic emission method of non-destructive testing is addressed by SC3 on acoustical methods of TC 135 on non-destructive testing. Standards for general procedures and requirements are required in order to insure quantitative results and wide applicability. This International Standard addresses the transfer of calibration, or secondary calibration, of acoustic emission sensors. In this method, the device under test is calibrated by comparison with a sensor that has previously undergone primary calibration. The sensor used for comparison is called the reference or secondary standard sensor. The aim of this International Standard is to establish uniformity of acoustic emission testing by standardizing the methods used to transfer calibrations of sensors.