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Nota di contenuto	Metrology in Industry; Table of Contents; Preface; Foreword; Chapter 1. Analysis of the Metrological Requirements Needed to Ensure Quality; 1.1. Introduction; 1.2. Definition of the objectives; 1.3. Choice of the method of measurement; 1.3.1. Accounting for the selection of the method; 1.3.2. Defining the method and the principle to implement; 1.4. Choice of the means of measurement; 1.4.1. Introduction; 1.4.2. Analysis of what is already available; 1.4.3. Assessment and acquisition of material; 1.4.4. Technical criteria; 1.4.4.1. Basic characteristics 1.4.4.2. Comportment towards influence quantities 1.4.4.3. Durability of the instruments used; 1.4.4.4. Homogeneity of the supply of instruments; 1.4.4.5. Quality of the supplier's service; 1.4.4.6. Adaptation of the instrument; 1.4.4.7. Possibility of traceability; 1.4.4.8. Computerization and the speed of taking measurements; 1.4.4.9. Ergonomics; 1.4.4.10. Capability of measuring instruments; 1.4.5. Economic criteria; 1.4.6. Grid of the analysis of the choice;

1.4.6.1. Stage 1: primary technical requirements (unavoidably necessary)

1.4.6.2. Stage 2: secondary technical requirements (desirable)

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Chapter 3. Mastering Measurement Processes Approach to the Setting up of a Metrology Function; 3.1. What to do at the beginning?; 3.2. Goals and role of the measurement management system-metrological function; 3.3. The measurement processes; 3.3.1. Conception and development of a new measurement process; 3.3.1.1. Analysis of the requirements

3.3.1.2. Transcription of the characteristics of the product in "measurand" form or "characteristics to be measured" form

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## Sommario/riassunto

Metrology is an integral part of the structure of today's world: navigation and telecommunications require highly accurate time and frequency standards; human health and safety relies on authoritative measurements in diagnosis and treatment, as does food production and trade; global climate studies also depend on reliable and consistent data. Moreover, international trade practices increasingly require institutions to display demonstrated conformity to written standards and specifications. As such, having relevant and reliable results of measurements and tests in compliance with mutually rec

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