

JJF

**INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

JJF 1016-2014

**The Rules for Drafting Program of Pattern Evaluation of
Measuring Instruments
(English Translation)**

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Table of Contents

Introduction...	5
1 Scope...	6
2 References...	6
3 Terms and definitions...	6
4 General...	7
5 Composition of the program of pattern evaluation...	7
6 Contents of each component of the program of pattern evaluation...	8
7 Editing detailed rules...	16
Annex A Pattern evaluation record format...	17

1 Scope

This Rules applies to the drafting of program of pattern evaluation of measuring instruments.

2 References

JJF 1002-2010 The rules for drafting national metrological verification regulation

JJF 1051 Designation and classification code for measuring instrument

JJF 1094 Evaluation of the characteristics of measuring instruments

GB/T 17799.1 Electromagnetic compatibility - Generic standards - Immunity for residential, commercial and light-industrial environments

GB/T 17799.2 Electromagnetic compatibility - Generic standards - Immunity for industrial environments

For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

3 Terms and definitions

For the purpose of this Rules, the terms and definitions defined in JJF 1001

"General Terms in Metrology and Their Definitions" and the following apply.

3.1 Single product

A product of only one specification or model.

3.2 Series product

A group of products having the same measurement principle, similar structure (appearance) and satisfying one of the following conditions.

4 General

The program of pattern evaluation of measuring instruments is the technical basis for the pattern evaluation of measuring instruments, and its drafting shall meet the following requirements.

5 Composition of the program of pattern evaluation

The composition and drafting sequence of the program of pattern evaluation are as follows.

6.1 Cover

The cover includes the name, serial number, issuing (approval) organization, and date of implementation of the program of pattern evaluation (in English and Chinese).

6.2 Title page

The title page includes information such as the jurisdiction organization, drafting organization, and drafter.

6.3 Table of contents

The table of contents shall list the serial number, title and page number of the clause, first-level subclause and annex. The title and page number are connected by a dotted line.

6.4 Introduction

The introduction is not numbered and shall include the following. the rules on which the program is based; extent or situation of using technical standards such as international recommendations, international documents, international standards, national standards, and industry standards.

6.5 Scope

The name and classification code shall be given according to JJF 1051. If the measuring instrument may have other names, it shall be listed in detail. If necessary, it shall clearly write out the measuring instruments that are not applicable.

6.6 References

The serial number and name of the references shall be listed. The list of references is in the order of: national metrology technical regulations, national standards, international recommendations, international documents, international standards, and industry standards.

6.7 Terms

For the terms used in the program of pattern evaluation, if they not specified in the current national terminology technical specifications, they shall be defined or stated in the program.

6.8 General

The general section briefly describes the principle, construction, and applications of measuring instruments and identifies which are the critical components and materials that affect the metrological performance, and lists the critical components and materials in tabular form.

6.10 Measurement requirements

Based JJF 1094 and with reference to national metrology technical specifications, the specific requirements for the metrological performance of measuring instruments are put forward.

6.11 General technical requirements

The relevant technical requirements shall be put forward with reference to the relevant product standards and according to the working conditions and environmental conditions of measuring instruments. The technical requirements shall be such that.

6.11.2 Functional requirements

It shall put forward the most basic functional requirements for measuring instruments with reference to the relevant product standards.

6.11.3 Environmental adaptability

It shall generally be described as "The measuring instruments shall work properly in the following environments".

6.11.4 Stability

The requirements for the stability test are put forward with reference to the relevant product standards or metrology technical specifications.

6.13.1 Number of prototypes provided

Determine the number of prototypes according to the following principles.

6.13.1.1

For single products, provide one to three prototypes.

6.14 Test methods and conditions of test items and data processing and

qualification criteria

The metrological performance test shall be carried out under the reference conditions and rated conditions, respectively. The reference conditions shall be determined and the tests under rated conditions shall be carried out according to the relevant specifications.

6.15 List of measuring instruments and equipment used in test items

The measuring instruments and equipment used in test items are filled in by the following list.

7 Editing detailed rules

Implement according to the provisions of Clauses 6 and 7 of JJF 1002-2010.

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