

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Process measurement and control devices – General methods and procedures
for evaluating performance –
Part 4: Evaluation report content**

**Dispositifs de mesure et de commande de processus – Méthodes et procédures
générales d'évaluation des performances –
Partie 4: Contenu du rapport d'évaluation**



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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**PROCESS MEASUREMENT AND CONTROL DEVICES –
GENERAL METHODS AND PROCEDURES
FOR EVALUATING PERFORMANCE –****Part 4: Evaluation report content**

FOREWORD

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International Standard IEC 61298-4 has been prepared by subcommittee 65B: Devices and process analysis, of IEC technical committee 65: Industrial-process measurement, control and automation.

This second edition cancels and replaces the first edition published in 1995 and constitutes a technical revision.

This edition is a general revision with respect to the previous edition and does not include any significant changes (see Introduction).

The text of this standard is based on the following documents:

FDIS	Report on voting
65B/688/FDIS	65B/696/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all parts of the IEC 61298 series, under the general title *Process measurement and control devices – General methods and procedures for evaluating performance*, can be found on the IEC website.

The committee has decided that the contents of this publication will remain unchanged until the maintenance result date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

INTRODUCTION

This standard is not intended as a substitute for existing standards, but is rather intended as a reference document for any future standards developed within the IEC or other standards organizations, concerning the evaluation of process instrumentation. Any revision of existing standards should take this standard into account.

This common standardized basis should be utilized for the preparation of future relevant standards, as follows:

- any test method or procedure, already treated in this standard, should be specified and described in the new standard by referring to the corresponding clause of this standard. Consequently new editions of this standard are revised without any change in numbering and scope of each clause;
- any particular method or procedure, not covered by this standard, should be developed and specified in the new standard in accordance with the criteria, as far as they are applicable, stated in this standard;
- any conceptual or significant deviation from the content of this standard, should be clearly identified and justified if introduced in a new standard.

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PROCESS MEASUREMENT AND CONTROL DEVICES – GENERAL METHODS AND PROCEDURES FOR EVALUATING PERFORMANCE –

Part 4: Evaluation report content

1 Scope

This part of IEC 61298 specifies general methods and procedures for conducting tests, and reporting on the functional and performance characteristics of process measurement and control devices. The tests are applicable to any such devices characterized by their own specific input and output variables, and by the specific relationship (transfer function) between the inputs and outputs, and include analogue and digital devices. For devices that require special tests, this standard should be used, together with any product specific standard specifying special tests.

This standard specifies the content of the written report on the evaluation or tests on a process measurement or control device, and the results obtained.

It specifies the major items which should be included in the evaluation report, but it does not specify the exact format in which the contents should be presented. (This is left to the discretion of the test laboratory which prepares and issues the report.)

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60050 (all parts), *International Electrotechnical Vocabulary (IEV)*

IEC 60050-300, *International Electrotechnical Vocabulary (IEV) – Electrical and electronic measurements and measuring instruments (composed of Part 311, 312, 313 and 314)*

IEC 60050-351, *International Electrotechnical Vocabulary (IEV) – Part 351 : Control technology*

3 General considerations

3.1 Report coverage

One report shall refer to one evaluation on a subject device. If a second evaluation is made on the same device, then a separately numbered report shall be issued.

3.2 Report binding

Each copy of the report shall be bound with covers, so that the pages cannot become separated. No particular method of binding together the pages of the report is specified. This is left to the discretion of the test laboratory issuing the report.