
**Automation systems and
integration — Key performance
indicators (KPIs) for manufacturing
operations management —**

**Part 10:
Operational sequence description of
data acquisition**

*Systèmes d'automatisation et intégration — Indicateurs de
la performance clé pour le management des opérations de
fabrication —*

*Partie 10: Description de l'acquisition des données relatives aux
séquences opérationnelles*



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Foreword

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This document was prepared by Technical Committee ISO/TC 184, *Automation systems and integration*, Subcommittee SC 5, *Interoperability, integration, and architectures for enterprise systems and automation applications*.

A list of all parts in the ISO 22400 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

This document describes the procedure for the determination of key performance indicators (KPIs) by means of examples. The KPIs that are used are given in ISO 22400-2.

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Automation systems and integration — Key performance indicators (KPIs) for manufacturing operations management —

Part 10: Operational sequence description of data acquisition

1 Scope

This document contains descriptions for the practical use for applying formulae as specified in ISO 22400-2 for key performance indicators for production control and monitoring. This document is intended to be applied in conjunction with the content of ISO 22400-2.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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.

ISO 22400-2:2014, *Automation systems and integration — Key performance indicators (KPIs) for manufacturing operations management — Part 2: Definitions and descriptions*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 22400-2 and the following apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <http://www.electropedia.org/>

3.1

planned shut down time

PSDT

time in which the work unit is planned to be out of operation

Note 1 to entry: Corresponds to “no production” as defined in ISO 22400-2.

3.2

planned down time

PDOT

time, included in the planned operation time, in which the work unit is planned for no operations within the operation time period

Note 1 to entry: ISO 22400-2:2014, Figure 3, gives a detailed overview of the used time lines for work units as used for the ISO 22400 series.

3.3

work unit log

data recording of work unit events along with their time stamps