

ISO 22400-1:2014-10 (E)

Automation systems and integration - Key performance indicators (KPIs) for manufacturing operations management - Part 1: Overview, concepts and terminology

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Terms and definitions	1
3	Abbreviated terms	3
4	Concept of KPIs	3
4.1	General	3
4.2	Criteria for KPIs	3
4.3	Characterization of KPIs	4
4.4	Types of KPIs by unit of measure	6
4.5	Categories of KPIs by purpose	6
4.6	Generating KPIs from measurements	6
4.7	Identification and selection of KPIs	7
4.8	Structure of KPI	7
4.9	Presentation of KPI	7
5	Definitions and descriptions	7
5.1	General model	7
5.2	Table structure	8
5.3	Elements	8
5.4	Time models	8
5.5	Effect model diagrams	8
6	Exchange and use	9
6.1	General	9
6.2	Abstract structure for exchange purposes	9
7	Relationships and dependencies	11
7.1	General	11
7.2	Model of relationships and dependencies	12
7.3	Effectiveness of KPIs	12
7.4	Maturity model	13
Annex A (informative) KPIs in the context of MOM		15
Bibliography		19