

# ISO/TR 24464:2020 (E)

## Automation systems and integration — Industrial data — Visualization elements of digital twins

---

### Contents

	Foreword
	Introduction
1	Scope
2	Normative references
3	Terms, definitions and abbreviated terms
3.1	Terms and definitions
3.2	Abbreviated terms
4	Motivation
5	Digital twin visualization
5.1	Core technologies of digital twin
5.1.1	General
5.1.2	Sensor
5.1.3	Data
5.1.4	Analytics
5.1.5	Actuator
5.1.6	Integration
5.2	Visualization elements of digital twin
5.3	Detail elements of digital twin visualization
6	Use cases
7	Differences compared with augmented reality (AR) and cyber physical system (CPS)
Annex A	(informative) Analysis of international standards for the digital twin visualization
A.1	Visual presentation (ISO 10303-46)
A.2	Data Architecture of the Digital Twin
A.3	Technology Trend Report
A.4	Cyber Physical System
A.5	Mixed and augmented reality
Annex B	(informative) Fidelity measure
B.1	General
B.2	Space measure — Resolution
B.3	Time measure — Latency

Page count: 19