

ISO/IEC 20005:2013-07 (E)

Information technology - Sensor networks - Services and interfaces supporting collaborative information processing in intelligent sensor networks

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Abbreviations	2
5	General description	3
5.1	Overview	3
5.2	Requirements of intelligent sensor networks	4
5.3	Overview of collaborative information processing	4
5.4	Functional model of collaborative information processing	5
5.5	Overview of services supporting CIP	6
6	Core services and interfaces specifications	8
6.1	Overview	8
6.2	Event service	8
6.3	Logical grouping service	11
6.4	Data grouping service	17
6.5	Data registration service	19
6.6	Information description service	21
6.7	Node-to-node inter-activation service	25
6.8	Parameter adaptation service	26
7	Enhanced services and interfaces specifications	28
7.1	Overview	28
7.2	QoS management service	28
7.3	CIP-driven scheduling service	32
7.4	Adaptive sensing service	37
Annex A (informative) Core services and interfaces examples		40
Annex B (informative) Enhanced services and interfaces examples		42
Bibliography		44