BUREAU OF INDIAN STANDARDS

TED 28 : Intelligent Transport Systems

Scope: a) Standardization of information, communication and control systems in the field of urban and rural surface transportation, including autonomous, connected, intermodal and multimodal aspects thereof, traveler information, traffic management, public transport, commercial transport, emergency services and commercial services in the intelligent transport systems. b) Co-ordination of work with ISO/TC 22 and ISO/TC 22/SC 31 excluding in-vehicle transport information and control systems (ISO/TC 22), c) Co-ordination of work with ISO/TC 204.

Liaison: **ISO TC-204 (P):** *Intelligent transport systems* **ISO TC-22 (P):** *Road vehicles* **ISO TC-22 SC-31 (P):** *Data communication*

Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS/ISO/TR 12859:2009 Reviewed In : 2020 ISO/TR 12859 : 2009	Intelligent transport systems - System architecture - Privacy aspects in its standards and systems	December, 2020	-	Identical under single numbering
2	IS/ISO/TS 13140-1:2011 ISO/TS 13140-1 : 2011 Reviewed In : 2020 ISO/TS 13140 : Part 2 : 2012	Electronic fee collection - Evaluation of on - Board and roadside equipment for conformity to ISO/TS 13141: Part 1 test suite structure and test purposes	December, 2020	-	Identical under single numbering
3	IS/ISO/TS 13140-2:2012 ISO/TS 13140-2 : 2012 Reviewed In : 2020 ISO/TS 13140 : Part 2 : 2012	Electronic fee collection - Evaluation of on - Board and roadside equipment for conformity to iso/ts 13141: Part 2 abstract test suite	December, 2020	-	Identical under single numbering
4	IS/ISO/TS 13143-1:2011 ISO/TS 13143-1 : 2011 Reviewed In : 2020 ISO/TS 13143 : Part 1 : 2011	Electronic fee collection - Evaluation of on - Board and roadside equipment for conformity to ISO/TS 12813: Part 1 test suite structure and test purposes	December, 2020	-	Identical under single numbering
5	IS/ISO/TS 13143-2:2011 ISO/TS 13143-2 : 2011 Reviewed In : 2020 ISO/TS 13143-2 :	Electronic fee collection - Evaluation of on - Board and roadside equipment for conformity to ISOTS 12813: Part 2 abstract test suite	December, 2020	-	Identical under single numbering

	2011				
6	IS/ISO/TS 14904:2002 ISO/TS 14904 : 2002 Reviewed In : 2020 SO/TS 14904 : 2002	Road transport and traffic telematics - Electronic fee collection (Efc) - Interface specification for clearing between operators	December, 2020	-	Identical under single numbering
7	IS 15754:2006 ISO 21214 : 2006 Reviewed In : 2017 ISO 21214 : 2006	Intelligent transport systems - Continuous air interface, long and medium range (CALM) - Infra - Red systems	March, 2017	-	Identical under dual numbering
8	IS 16490:2016 Reviewed In : 2020	LED Destination Board System for Buses - Specification	December, 2020	3	Indigenous
9	IS 16722:2018	Radio Frequency Identification (RFID) System for Automotive Applications â€" Specification		1	Indigenous
10	IS 16833:2018	Automotive Tracking Device (ATD) and Integrated Systems		2	Indigenous
11	IS 17270:2019	Intelligent Transport Systems (ITS) : Reverse Parking Alert System (RPAS)		-	Indigenous
12	IS/ISO 17573:2010 ISO 17573 : 2010 Reviewed In : 2020 ISO 17573 : 2010	Electronic fee collection - Systems architecture for vehicle - Related tolling	December, 2020	-	Identical under single numbering
13	IS/ISO/TS 17574:2009 ISO/TS 17574 : 2009 Reviewed In : 2020 SO/TS 17574 : 2009	Electronic fee collection - Guidelines for security protection profiles	December, 2020	-	Identical under single numbering
14	IS/ISO/TS 17575-1:2010 ISO/TS 17575-1 : 2010 Reviewed In : 2020 ISO/TS 17575 : Part 1 : 2010	Electronic fee collection - Application interface definition for autonomous systems: Part 1 charging	December, 2020	-	Identical under single numbering
15	IS/ISO/TS 17575-2:2010 ISO/TS 17575-2 : 2010 Reviewed In : 2020 ISO/TS 17575-2:2010	Electronic fee collection - Application interface definition for autonomous systems: Part 2 communication and connection to the lower layers	December, 2020	-	Identical under single numbering
16	IS/ISO/TS 17575-3:2011 ISO/TS 17575-3 : 2011 Reviewed In : 2020 ISO 17575-3	Electronic Fee Collection - Application Interface Definition for Autonomous Systems Part 3 Context Data	December, 2020	-	Identical under single numbering
17	IS/ISO/TS 17575-4:2011 ISO/TS 17575-4 : 2011 Reviewed In : 2020 ISO/TS 17575 : Part	Electronic Fee Collection - Application Interface Definition for Autonomous Systems Part 4 Roaming	December, 2020	-	Identical under single numbering

		4 : 2011				
18	IS 19413:2025	Intelligent Traffic Management System Components — General Specifications for Smart Traffic Signalling Systems		-	
19	IS/ISO 21214:2015 21214 : 2015 Reviewed In : 2020 21214 : 2015	Intelligent Transport Systems â€" Communications Access for Land Mobiles (CALM) â€" Infra-Red Systems	December, 2020	-	Identical under single numbering
20	IS/ISO 24014-1:2007 ISO 24014-1 Reviewed In : 2019 ISO 24014-1	Public transport - Interoperable fare management system: Part 1 architecture	November, 2019	-	Identical under single numbering
21	IS/ISO 39001:2012 Reviewed In : 2020 ISO 39001 : 2012	Road traffic safety (Rts) management systems - Requirements with guidance for use	December, 2020	-	Identical under single numbering

Standards under Development

Projects Approved

SI. No.	Doc No.	Title
		No Records Found

Preliminary Draft Standards

SI. No.	Doc No.	Title
		No Records Found

Drafts Standards in WC Stage

SI. No.	Doc No.	Title
		No Records Found

Draft Standards Completed WC Stage

SI. No.	Doc No.	Title
		No Records Found

Finalized Draft Indian Standard

SI. No.	Doc No.	Title
		No Records Found

Finalized Draft Indian Standards under Print

SI. No.	Doc No.	Title
1	TED 28 (21134)	Intelligent Traffic Management System Components General Specifications for Smart Traffic Signalling Systems
2	TED 28 (28414)	Intelligent Transport Systems ITS Reverse Parking Alert System RPAS Amendment - 1
3	TED 28 (32804)	TYRE PRESSURE MONITORING SYSTEM TPMS

Total Published Standards:21 Total Standards Under development:3

Aspect Wise Report

Product : 4
Code of Practices : 5
Methods of Test : 4
Terminology : 2
Dimensions : 0
System Standard : 2
Safety Standard : 1
Others : 2
Service Specification : 0
Process Specification : 0
Unclassified : 1

Annexure-I :List of Indian Standards Withdrawn/Superseded

SI. No.	IS No. & Year	Title
		No Records Found

Annexure-II :List of Indian Product Standards

SI. No.	IS No. & Year	Title
1	IS 15754:2006 ISO 21214 : 2006 Reviewed In : 2017 ISO 21214 : 2006	Intelligent transport systems - Continuous air interface long and medium range CALM - Infra - Red systems
2	IS 16490:2016 Reviewed In : 2020	LED Destination Board System for Buses - Specification
3	IS 16833:2018	Automotive Tracking Device ATD and Integrated Systems
4	IS 17270:2019	Intelligent Transport Systems ITS Reverse Parking Alert System RPAS