ISO 37154:2017-08 (E)

Smart community infrastructures - Best practice guidelines for transportation

Contents		Page		
Forewo	orewordiv			
Introdu	uction	v		
1	Scope	1		
2	Normative references	1		
3	Termsanddefinitions	1		
4	Fundamentals	2		
4.1	Basic ideas and goals	2		
4.2	Location and objective for the development and installation of transportation	•		
4.2.1	infrastructures to provide smart transportation solutions	3 3		
4.2.2	Location where transportation infrastructures should be installed to achieve smart transportation solutions			
4.2.3	Objectives for smart transportation infrastructures			
4.3	Consideration of city planning			
5	Selection of transportation modes, features and services for smart transportation			
	solutions in communities			
5.1	General			
5.2	Selection criteria			
5.2.1	General			
5.2.2	Parameters to be considered in the selection of public transportation modes	6		
5.2.3	Subsidization to transportation operating business			
5.2.4	Transportation mode			
5.2.5	Technical and business contents of transportation modes			
5.2.6	Services provided by transportation			
5.2.7	Feasibility of transportation business	12		
6	Application of selected transportation features and services			
6.1	General			
6.2	Conditions for transportation features			
6.3	Conditions for transportation services			
6.3.1	General			
6.3.2	Services in the same transportation mode			
6.3.3	Inter-modal servicesServices on interfaces between public and private transportation	13		
6.3.4 6.4	Monitoring of the performance of smart transportation			
7	Optimization of transportation services, features and modes along with generation ar	nd		
-	social trend changes			
7.1	General			
7.2	Optimization of transportation services for current and future communities			
7.3	Holding/discarding transportation features used for currently existing communities .			
7.4	Reselection of transportation modes used for currently existing communities			
Anney	A (informative) Potential or expected smart transportation performance or features	16		

Annex B (informative) Example of relationship between two parameters used to select suitable transportation modes in cities	22
Annex C (informative) Examples of smart transportation used to develop compact cities	
Bibliography	24