

Contents

	Foreword	
	Introduction	
1	Scope	
2	Normative references	
3	Terms and definitions	
4	Concept of smart transportation for rapid transit	
4.1	General	
4.2	Applicable city issues	
5	Adoption of smart transportation for rapid transit	
5.1	Objectives	
5.2	Target area	
5.3	Applicable transportation modes for smart transportation	
5.4	Requirements for smart transportation	
5.4.1	General	
5.4.2	Customer satisfaction	
5.4.2.1	Service frequency	
5.4.2.2	Transportation capacity	
5.4.2.3	Main station location	
5.4.2.4	Connection to/from the station for smart transportation	
5.4.2.5	Service route	
5.4.2.6	Roads/tracks	
5.4.2.7	Schedule speed	
5.4.2.8	Increases in number of stops/stations	
5.4.2.9	Transportation information	
5.4.3	Safety	
5.4.3.1	Dispatching	
5.4.3.2	Immediate stopping	
5.4.4	Efficiency of operation and services	
5.4.4.1	Vehicle structures	
5.4.4.2	Coach convenience	
5.4.4.3	Promotion of environmentally friendly vehicles and life-cycle performance	
5.4.4.4	Ticket inspection	
5.4.4.5	Energy saving	
5.5	Selection of a transportation mode for smart transportation	
5.6	Installation of smart transportation	
6	Maintenance of the quality of smart transportation for rapid transit	
6.1	General	
6.2	Parameters to be observed	
6.3	Modification of smart transportation	
Annex A	(informative) Examples of smart transportation that works as rapid transit services	