

ISO 37169:2021 (E)

Smart community infrastructures — Smart transportation by run-through train/ bus operation in/between cities

Contents

	Foreword
	Introduction
1	Scope
2	Normative references
3	Terms and definitions
4	Concept of smart transportation by run-through operation
4.1	City development process with transportation organization
4.2	Solutions to transport service termination
4.2.1	Rail services
4.2.2	Bus services
4.3	Applicable city issues and advantage acceptors
4.4	Satisfaction of SDGs by smart transportation
5	Adoption of smart transportation by run-through operation
5.1	Objectives
5.2	Target area
5.3	Requirements for smart transportation
5.3.1	General
5.3.2	Arrangements for run-through operation
5.3.2.1	Trackage or service route/territory right operation
5.3.2.2	Track or service route/territory boundaries
5.3.2.3	Track or service route/territory boundary stations and stops
5.3.2.4	Service operation and facilities control
5.3.2.5	Crew dispatching
5.3.3	Agreements for run-through operation
5.3.3.1	Safety
5.3.3.2	Number of rolling stock/bus vehicles applied in run-through operations
5.3.3.3	Service scheduling
5.3.3.4	Renting and lending of rolling stock/bus vehicles
5.3.4	Technical specification adjustment between different rail/bus carriers
5.3.4.1	Passenger services
5.3.4.2	Civil engineering and track structures
5.3.4.3	Powering and signalling systems
5.3.4.4	Rolling stock/bus vehicles
5.3.5	Specific application of run-through train operation
5.3.5.1	General
5.3.5.2	Requirements for application
5.3.5.3	Additional services supporting application
5.4	Installation of smart transportation
6	Maintenance of quality of smart transportation by run-through operation
6.1	General
6.2	Parameters to be observed
6.3	Modification of smart transportation
Annex A	(informative) A large scale run-through operation enabling a large number of people to easily travel in a huge area and enjoy the benefit of saving time