ISO 37158:2019-07 (E)

Smart community infrastructures - Smart transportation using battery-powered buses for passenger services

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Termsanddefinitions 1

4 General 1

5 Operation of smart transportation using battery-powered buses 2
5.1 General 2
5.2 Minimum requirements to organize smart transportation 2
5.2.1 Recharging 2
5.2.2 Scheduling/dispatching 2
5.2.3 Maintenance work 2
5.2.4 Passenger services 2
5.2.5 Safety and ride comfort 3
5.2.6 Weather and climate conditions 3
5.2.7 Driving conditions 3
5.2.8 Driving skills/performance 3
5.2.9 Energy saving 3

6 Maintenance of the quality of smart transportation using battery-powered buses 3
6.1 General 3
6.2 Parameters to be observed 3
6.3 Modification of smart transportation 3

Annex A (informative) Trials given by Paris City in December 2016 to suppress air pollution by inviting citizens using internal-combustion-engine-driven vehicles to electrically-operated transportation services 4

Annex B (informative) Example of cities and countries where battery-powered buses are operated 5

Annex C (informative) A typical city aiming at low-carbon transportation[5] 6

Bibliography 8