

ISO/TS 37172:2022-10 (E)

Smart community infrastructures - Data exchange and sharing for community infrastructures based on geographic information

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Abbreviated terms	2
5	Overview of this document	2
6	Roles and benefits	2
7	Framework for data exchange and sharing for community infrastructures based on geographic information	3
7.1	Framework.....	3
7.2	Database layer.....	4
7.3	Platform layer.....	5
7.4	Application layer.....	6
7.5	Implementation pattern.....	6
8	Application scenarios	6
8.1	General.....	6
8.2	Community infrastructure census.....	6
8.3	Community infrastructure planning.....	6
8.4	Community infrastructure management.....	7
8.5	Water management.....	7
8.6	Transportation management.....	7
8.7	Public safety management.....	8
8.8	Environmental protection.....	8
8.9	Renewable energy management.....	8
Annex A (informative) Use cases of data exchange and sharing for community infrastructures based on geographic information in different cities		9
Bibliography		16