

ISO 37151:2024-09 (E)

Smart community infrastructures - Principles and requirements for performance metrics

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Overview	3
4.1	General	3
4.2	Possible uses	3
4.2.1	General	3
4.2.2	Support tool for community managers	4
4.2.3	Facilitation tool	4
5	Principles	4
5.1	General	4
5.2	Ideal properties to be achieved	5
5.3	Relating community issues onto community infrastructure performances	5
5.4	Possible stakeholders to be considered	6
6	Requirements for common approach to identify metrics	7
6.1	General requirements	7
6.2	Requirements for understanding the perspectives of key stakeholders for community infrastructures	9
6.2.1	General	9
6.2.2	Residents perspective	9
6.2.3	Community managers perspective	9
6.2.4	Environmental perspective	9
6.3	Requirements for identifying the category of needs	10
6.3.1	General	10
6.3.2	Category of needs related to residents	10
6.3.3	Category of needs related to community managers	10
6.3.4	Category of needs related to the environment	10
6.4	Guidance for translating the categories of needs into performance characteristics	10
6.4.1	General	10
6.4.2	Performance characteristics related to residents	11
6.4.3	Performance characteristics related to community managers	12
6.4.4	Performance characteristics from the environmental perspective	13
6.5	Requirements for identifying indicators	13
Annex A (informative) Examples of applicability of the step-wise approach to existing key performance indicators for particular types of community infrastructure		15
Annex B (informative) Example of relating community issues onto community infrastructure performances		44
Bibliography		48