ISO/TR 19167:2019-12 (E)

Application of ubiquitous public access to-geog raphic information to an air quality information service

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Termsanddefinitions 1

4 Abbreviated terms and symbols 3

5 UPA-to-GI environment for air quality information 3
5.1 Overview 3
5.2 Main components 4
5.2.1 Air quality observation system 4
5.2.2 Air quality information system 4
5.2.3 Users 4
5.3 Air quality index 5
5.4 Use case diagram 6

6 UPA context information model in ISO 19154 7
6.1 Overview 7
6.2 UPA location context package 7
6.3 UPA geospatial context package 8
6.4 UPA geosemantic context package 8

7 Air quality context information model 8
7.1 Overview 8
7.2 Locational air quality context information model 9
7.3 Geospatial air quality context information model 11
7.4 Geosemantic air quality context information model 13

8 Implementation of the air quality context information model 14
8.1 Overview 14
8.2 Air quality information system components 15
8.3 Air quality information service 16

9 Conclusions 18

Annex A (informative) Investigation of global air quality information 19

Annex B (informative) Relation between this document and ISO 19154 22

Bibliography 27