ISO/IEC 24643:2020-11 (E)

Architecture for a distributed real-time access system

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Terms and definitions 1

4 Overview 1

5 Functional architecture of an access system 3

5.1 Physical function group 3

5.1.1 Components 3

5.1.2 Access object 4

5.1.3 Access point 4

5.2 Network layer 5

5.2.1 Components 5

5.2.2 Edge 5

5.2.3 Telecommunication network 5

5.3 Service function group 5

5.3.1 Components 5

5.3.2 Processing functions 6

5.3.3 Transaction data 6

5.4 Platform function group 6

5.4.1 Components 6

5.4.2 Policy function 7

5.4.3 Authentication and access object data 7

5.4.4 System data 7

5.4.5 Inter applications 7

6 Interfaces 8

6.1 Physical function group and network function group 8

6.2 Network function group and service function group 8

6.3 Service function group and application function group 8

6.4 Inter applications 8

Annex A (informative) **Example of the data format** 9

A.1 Transaction data 9

A.2 Authentication and access object data 9

A.3 System data 10

Annex B (informative) **Example of complicated authentication** 11

B.1 Enter an important facility 11

B.2 Electronic voting system for election 11

B.3 Authentication process 12

Bibliography 13