

ISO/IEC 14543-5-22:2010-02 (E)

Information technology – Home electronic system (HES) architecture – Part 5-22:
Intelligent grouping and resource sharing for HES Class 2 and Class 3 – Application profile – File profile

CONTENTS

| | |
|--|----|
| FOREWORD..... | 4 |
| INTRODUCTION..... | 5 |
| 1 Scope..... | 6 |
| 2 Normative references | 6 |
| 3 Abbreviations | 6 |
| 4 Conformance..... | 6 |
| 5 System | 7 |
| 5.1 Application scenario | 7 |
| 5.2 Design criteria..... | 7 |
| 5.2.1 Relationship between file profile and IGRS..... | 7 |
| 5.2.2 Relationship between file profile and transport protocols | 7 |
| 5.2.3 Relationship between file profile and existing file sharing system | 7 |
| 5.2.4 Relationship between file profile and file format..... | 8 |
| 5.2.5 Device supported by file profile..... | 8 |
| 5.3 Interaction model..... | 8 |
| 6 Interaction flow of IGRS file profile | 8 |
| 6.1 Overview | 8 |
| 6.2 Simple Interaction Flow | 9 |
| 6.3 Complete interaction flow | 10 |
| 7 FileServer..... | 13 |
| 7.1 General..... | 13 |
| 7.2 FileAccessManagement Service..... | 14 |
| 7.2.1 General | 14 |
| 7.2.2 FileAccessManagement Service Type..... | 14 |
| 7.2.3 FileAccessManagement Service Attribute | 14 |
| 7.2.4 Data Types of FileAccessManagement Service..... | 15 |
| 7.2.5 Invocation interface of FileAccessManagement Service | 15 |
| 7.2.6 FileAccessManagement Service error codes definition | 25 |
| 7.3 FileConnectionManagement Service..... | 25 |
| 7.3.1 General | 25 |
| 7.3.2 FileConnectionManagement Service Type | 25 |
| 7.3.3 FileConnectionManagement Service Attribute..... | 26 |
| 7.3.4 FileConnectionManagement Service Data Type | 26 |
| 7.3.5 Invocation Interface of FileConnectionManagement Service | 26 |
| 7.3.6 FileConnectionManagement Service error codes definition | 28 |
| 8 FileClient..... | 28 |
| 8.1 General | 28 |
| 8.2 FileClient Engine | 29 |
| 9 Session | 29 |
| 9.1 Session setup..... | 29 |
| 9.1.1 General | 29 |
| 9.1.2 Session setup condition..... | 29 |
| 9.1.3 Session setup process..... | 29 |
| 9.2 Session termination..... | 29 |
| 10 Service invocation message format | 30 |

| | | |
|---------------------|--|----|
| 10.1 | General | 30 |
| 10.2 | Service invocation request message | 30 |
| 10.3 | Service invocation response message | 31 |
| 10.4 | Content directory object update notification message | 32 |
| 10.5 | Service attribute update notification message..... | 33 |
| Annex A (normative) | Description of data type generation rules | 35 |
| Annex B (normative) | Information device – IGRS – File profile message format | 38 |
| Annex C (normative) | File profile – FileAccessManagement Service description.wsdl | 59 |
| Annex D (normative) | File profile – FileConnectionManagement Service description.wsdl..... | 69 |
| Bibliography..... | | 72 |
| Figure 1 | – IGRS file profile interaction model..... | 8 |
| Figure 2 | – Simple interaction flow model..... | 10 |
| Figure 3 | – Complete Interaction Flow of Shared File..... | 13 |
| Table 1 | – FileAccessManagement Service Attribute List | 14 |
| Table 2 | – FileAccessManagement Service Data Type | 15 |
| Table 3 | – FileConnectionManagement Service Attribute | 26 |
| Table 4 | – FileConnectionManagement Service Data Type | 26 |
| Table 5 | – Service invocation request message | 30 |
| Table 6 | – Service invocation response message..... | 31 |
| Table 7 | – Content directory object update notification message | 32 |
| Table 8 | – Service attribute update notification message..... | 34 |
| Table B.1 | – IGRS file profile service invocation request message | 38 |
| Table B.2 | – Service invocation response message | 39 |
| Table B.3 | – File/Directory object update notification message..... | 40 |
| Table B.4 | – Service attribute update notification message | 42 |