ISO/IEC 29341-6-16:2008-11 (E)

Information technology_- UPnP Device Architecture_- Part_6-16: Heating, Ventilation, and Air Conditioning Device Control Protocol_- Temperature Setpoint Service

CONTENTS

FOREWORD 4

ORIGINAL UPNP DOCUMENTS (informative) 6

1. Overview and Scope 8

2. Service Modeling Definitions 9

2.1. ServiceType 9

2.2. State Variables 9

2.2.1. Application 10
2.2.2. CurrentSetpoint 10
2.2.3. SetpointAchieved 10
2.2.4. Name 10
2.2.5. Relationships Between State Variables 10

2.3. Eventing and Moderation 11

2.3.1. Event Model 11

2.4. Actions 11

2.4.1. GetApplication 12
2.4.2. SetApplication 12
2.4.3. SetCurrentSetpoint 13
2.4.4. GetCurrentSetpoint 13
2.4.5. GetSetPointAchieved 14
2.4.6. GetName 14
2.4.7. SetName 15
2.4.8. Non-Standard Actions Implemented by a UPnP Vendor 15
2.4.9. Relationships Between Actions 15
2.4.10. Common Error Codes 15

2.5. Theory of Operation 16

3. XML Service Description 18

4. Test 21

LIST OF TABLES

Table 1 State Variables 9

Table 2 AllowedValueList for Application 9

Table 3 AllowedValueRange for CurrentSetpoint 10

Table 4 Eventing & Moderation 11

Table 5 Event Model 11

Table 6 Action list 11

Table 7 Arguments for GetApplication 12

Table 8 Arguments for SetApplication 12

Table 9 Arguments for SetCurrentSetpoint 13

Table 10 Arguments for GetCurrentSetpoint 13

Table 11 Arguments for GetSetPointAcheived 14

Table 12 Arguments for GetName 14

Table 13 Arguments for SetName 15

Table 14: Common Error Codes 16