# STANDARD TESTS FORMS

## Manual and non return dampers (STF 41-01)

### End of erection checks and inspections

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| EPR | |  | **STANDARD TEST FORM *41-01-E*** | | |  | |
| Version: | | *X* | ***MANUAL AND NON-RETURN DAMPERS*** | | | Power Plant: | *HPC* |
| Sheet: | | *1* of *1* | ***End of erection checks and inspections*** | | | Unit: | *1* |
| ECS Equipment Code: | | | SDM P7.2 | Type of damper | | SDM P7.2 | |
| Equipment designation: | | | SDM P7.2 |  | |  | |
| Location: | | | SDM P7.2 |  | |  | |
| Supply Contractor Name: | | | HPC-UK1421-AU-ALL-BOQ-002364 |  | |  | |
| Supply Contract Number: | | | SDM P7.2 |  | |  | |
| Install Contract Number: | | | / |  | |  | |
| CI reference: | | |  | Date of test: | |  | |
| CI version: | | |  |  | |  | |
|  | | | | **Expected values** | **Results** | **Observations** | |
| **End of erection checks and inspections** | | | | | | | |
| *a* | *Name plate information* | | | Correct |  |  | |
| *b* | *Accessibility & Manoeuvrability* | | | Correct |  |  | |
| *c* | *Assembly direction* | | | Correct |  |  | |
| *d* | *Remote control device* | | | Correct |  |  | |
| *e* | *Supports* | | | Correct |  |  | |
| *f* | *Greasing* | | | Correct |  |  | |
| *g* | *Electrical inspections* | | | Correct |  |  | |
| *h* | *Unlocking* | | | Correct |  |  | |
| **Observations:** | | | | | | | |

### Commissioning tests

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| EPR |  | | **STANDARD TEST FORM *41-01*** | | | | |  | | |
| Version: | *X* | | ***MANUAL AND NON-RETURN DAMPERS*** | | | | | Power Plant: | | *HPC* |
| Sheet: | *1* of *3* | | ***Preliminary Checks*** | | | | | Unit: | | *1* |
| Supply Contractor Name: | | | HPC-UK1421-AU-ALL-BOQ-002364 | | Type of dampers (non-return, isolation, control, …) | | SDM P7.2 | | | |
| Supply Contract Number: | | | SDM P7.2 | |
| Install Contract Number: | | | / | |  | |  | | | |
| CI reference: | | |  | | Date of test: | |  | | | |
| CI version: | | |  | |  | |  | | | |
| **Preliminary Checks** | | | | | | | | | | |
| **ECS code** | | **Location** | | **Visual check** | | **Limit switches** | | | **Date and visa** | |
|  | |  | | Correct | | Correct | | |  | |
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| **Observations:** | | | | | | | | | | |

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| EPR |  | | | **STANDARD TEST FORM *41-01*** | | | | | |  | | |
| Version: | *X* | | | ***MANUAL AND NON-RETURN DAMPERS*** | | | | | | Power Plant: | | *HPC* |
| Sheet: | *2* of *3* | | | ***Functional tests without air flow*** | | | | | | Unit: | | *1* |
| Supply Contractor Name: | | | HPC-UK1421-AU-ALL-BOQ-002364 | | | Type of dampers (non-return, isolation, control, …) | | | SDM P7.2 | | | |
| Supply Contract Number: | | | SDM P7.2 | | |
| Install Contract Number: | | | / | | |  | | |  | | | |
| CI reference: | | |  | | | Date of test: | | |  | | | |
| CI version: | | |  | | |  | | |  | | | |
| **Functional tests without air flow** | | | | | | | | | | | | |
| **ECS code** | | **Location** | | | **Manoeuvrability** | | | **Limit switches** | | | **Date and visa** | |
| Opening | | Closing |
|  | |  | | | Correct | | Correct | Correct | | |  | |
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| **Observations:** | | | | | | | | | | | | |

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| EPR |  | | | **STANDARD TEST FORM *41-01*** | | | | | |  | | |
| Version: | *X* | | | ***MANUAL AND NON-RETURN DAMPERS*** | | | | | | Power Plant: | | *HPC* |
| Sheet: | *3* of *3* | | | ***Functional tests with air flow*** | | | | | | Unit: | | *1* |
| Supply Contractor Name: | | | HPC-UK1421-AU-ALL-BOQ-002364 | | | Type of dampers (non-return, isolation, control, …) | | | SDM P7.2 | | | |
| Supply Contract Number: | | | SDM P7.2 | | |
| Install Contract Number: | | | / | | |  | | |  | | | |
| CI reference: | | |  | | | Date of test: | | |  | | | |
| CI version: | | |  | | |  | | |  | | | |
| **Functional tests with air flow** | | | | | | | | | | | | |
| **ECS code** | | **Location** | | | **Manoeuvrability** | | | **Limit switches** | | | **Date and visa** | |
| Opening | | Closing |
|  | |  | | | Correct | | Correct | Correct | | |  | |
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| **Observations:** | | | | | | | | | | | | |

## Motorised isolation dampers (STF 41-02)

### End of erection checks and inspections

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| EPR | |  | **STANDARD TEST FORM *41-02-E*** | | |  | |
| Version: | | *X* | ***MOTORISED ISOLATION DAMPERS*** | | | Power Plant: | *HPC* |
| Sheet: | | *1* of *1* | ***End of erection checks and inspections*** | | | Unit: | *1* |
| ECS Equipment Code: | | | SDM P7.2 | Type of damper | | SDM P7.2 | |
| Equipment designation: | | | SDM P7.2 | Switchboard ECS code | | D305114012474  D305214038926 | |
| Location: | | | SDM P7.2 | Electrical Cell ECS code | | D305114012474  D305214038926 | |
| Supply Contractor Name: | | | HPC-UK1421-AU-ALL-BOQ-002364 | Actuator type | | HPC-UK1421-AU-ALL-BOQ-002364 | |
| Supply Contract Number: | | | SDM P7.2 | Nominal voltage | | HPC-UK1421-AU-ALL-BOQ-002364 | |
| Install Contract Number: | | | / |  | |  | |
| CI reference: | | |  | Date of test: | |  | |
| CI version: | | |  |  | |  | |
|  | | | | **Expected values** | **Results** | **Observations** | |
| **End of erection checks and inspections** | | | | | | | |
| *a* | *Name plate information* | | | Correct |  |  | |
| *b* | *Accessibility & Manoeuvrability* | | | Correct |  |  | |
| *c* | *Assembly direction* | | | Correct |  |  | |
| *d* | *Remote control device* | | | Correct |  |  | |
| *e* | *Supports* | | | Correct |  |  | |
| *f* | *Greasing* | | | Correct |  |  | |
| *g* | *Electrical inspections* | | | Correct |  |  | |
| *h* | *Unlocking* | | | Correct |  |  | |
| *i* | *Type of actuators* | | | Contract’s BOM |  |  | |
| *j* | *Position of the actuator* | | | Correct |  |  | |
| **Observations:** | | | | | | | |

### Commissioning tests

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| EPR |  | | **STANDARD TEST FORM *41-02*** | | | | | |  | | |
| Version: | *X* | | ***MOTORISED ISOLATION DAMPERS*** | | | | | | Power Plant: | | *HPC* |
| Sheet: | *1* of *3* | | ***Preliminary Checks*** | | | | | | Unit: | | *1* |
| Supply Contractor Name: | | | HPC-UK1421-AU-ALL-BOQ-002364 | | Type of dampers | | | SDM P7.2 | | | |
| Supply Contract Number: | | | SDM P7.2 | |  | | |  | | | |
| Install Contract Number: | | | / | |  | | |  | | | |
| CI reference: | | |  | | Date of test: | | |  | | | |
| CI version: | | |  | |  | | |  | | | |
| **Preliminary Checks** | | | | | | | | | | | |
| **ECS code** | | **Location** | | **Visual check** | | **Limit switches** | **Switchgear settings** | | | **Date and visa** | |
|  | |  | | Correct | | Correct | Correct | | |  | |
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| **Observations:** | | | | | | | | | | | |

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| EPR | |  | **STANDARD TEST FORM *41-02*** | | |  | |
| Version: | | *X* | ***MOTORISED ISOLATION DAMPERS*** | | | Power Plant: | *HPC* |
| Sheet: | | *2* of *3* | ***Functional tests without air flow*** | | | Unit: | *1* |
| ECS Equipment Code: | | | SDM P7.2 | Type of damper | | SDM P7.2 | |
| Equipment designation: | | | SDM P7.2 | Switchboard ECS code | | SDM P7.3 | |
| Location: | | | SDM P7.2 | Electrical Cell ECS code | | SDM P7.3 | |
| Supply Contractor Name: | | | HPC-UK1421-AU-ALL-BOQ-002364 | Actuator type | | HPC-UK1421-AU-ALL-BOQ-002364 | |
| Supply Contract Number: | | | SDM P7.2 | Nominal voltage | | HPC-UK1421-AU-ALL-BOQ-002364 | |
| Install Contract Number: | | | / |  | |  | |
| CI reference: | | |  | Date of test: | |  | |
| CI version: | | |  |  | |  | |
|  | | | | **Expected values** | **Results** | **Observations** | |
| **Functional tests without air flow** | | | | | | | |
| *a* | *Damper manual operability without air flow* | | | Correct |  |  | |
| *b* | *Limit switches settings* | | | Correct |  |  | |
| *c* | *Direction check* | | | Correct |  |  | |
| *d* | *Motorised operability* | | | Correct |  |  | |
| *e* | *Operating time : opening time* | | | Supplier’s OMM |  |  | |
| *f* | *Operating time : closing time* | | | Supplier’s OMM |  |  | |
| *g* | *Priority of orders* | | | Correct |  |  | |
| *h* | *Starting current : at the opening* | | | Supplier’s OMM |  |  | |
| *i* | *Starting current : at the closing* | | | Supplier’s OMM |  |  | |
| *j* | *Absorbed current : at the opening* | | | Supplier’s OMM |  |  | |
| *k* | *Absorbed current : at the closing* | | | Supplier’s OMM |  |  | |
| *l* | *Fail-safe position* | | | SDM 7.3 |  |  | |
| **Observations:** | | | | | | | |

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| EPR | |  | **STANDARD TEST FORM *41-02*** | | |  | |
| Version: | | *X* | ***MOTORISED ISOLATION DAMPERS*** | | | Power Plant: | *HPC* |
| Sheet: | | *3* of *3* | ***Functional tests with air flow*** | | | Unit: | *1* |
| ECS Equipment Code: | | | SDM P7.2 | Type of damper | | SDM P7.2 | |
| Equipment designation: | | | SDM P7.2 | Switchboard ECS code | | SDM P7.3 | |
| Location: | | | SDM P7.2 | Electrical Cell ECS code | | SDM P7.3 | |
| Supply Contractor Name: | | | HPC-UK1421-AU-ALL-BOQ-002364 | Actuator type | | HPC-UK1421-AU-ALL-BOQ-002364 | |
| Supply Contract Number: | | | SDM P7.2 | Nominal voltage | | HPC-UK1421-AU-ALL-BOQ-002364 | |
| Install Contract Number: | | | / |  | |  | |
| CI reference: | | |  | Date of test: | |  | |
| CI version: | | |  |  | |  | |
|  | | | | **Expected values** | **Results** | **Observations** | |
| **Functional tests with air flow** | | | | | | | |
| *a* | *Damper operability with air flow* | | | Correct |  |  | |
| *b* | *Operating time : opening time* | | | Supplier’s OMM |  |  | |
| *c* | *Operating time : closing time* | | | Supplier’s OMM |  |  | |
| **Observations:** | | | | | | | |

## Motorised control dampers (STF 41-03)

### End of erection checks and inspections

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| EPR | |  | **STANDARD TEST FORM *41-03-E*** | | |  | |
| Version: | | *X* | ***MOTORISED CONTROL DAMPERS*** | | | Power Plant: | *HPC* |
| Sheet: | | *1* of *1* | ***End of erection checks and inspections*** | | | Unit: | *1* |
| ECS Equipment Code: | | | SDM P7.2 | Type of damper | | SDM P7.2 | |
| Equipment designation: | | | SDM P7.2 | Switchboard ECS code | | SDM P7.3 | |
| Location: | | | SDM P7.2 | Electrical Cell ECS code | | SDM P7.3 | |
| Supply Contractor Name: | | | HPC-UK1421-AU-ALL-BOQ-002364 | Actuator type | | HPC-UK1421-AU-ALL-BOQ-002364 | |
| Supply Contract Number: | | | SDM P7.2 | Nominal voltage | | HPC-UK1421-AU-ALL-BOQ-002364 | |
| Install Contract Number: | | | / |  | |  | |
| CI reference: | | |  | Date of test: | |  | |
| CI version: | | |  |  | |  | |
|  | | | | **Expected values** | **Results** | **Observations** | |
| **End of erection checks and inspections** | | | | | | | |
| *a* | *Name plate information* | | | Correct |  |  | |
| *b* | *Accessibility & Manoeuvrability* | | | Correct |  |  | |
| *c* | *Assembly direction* | | | Correct |  |  | |
| *d* | *Remote control device* | | | Correct |  |  | |
| *e* | *Supports* | | | Correct |  |  | |
| *f* | *Greasing* | | | Correct |  |  | |
| *g* | *Electrical inspections* | | | Correct |  |  | |
| *h* | *Unlocking* | | | Correct |  |  | |
| *i* | *Types of actuators* | | | Contract’s BOM |  |  | |
| *j* | *Position of the actuator* | | | Correct |  |  | |
| **Observations:** | | | | | | | |

### Commissioning tests

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| EPR |  | | **STANDARD TEST FORM *41-03*** | | | | | |  | | |
| Version: | *X* | | ***MOTORISED CONTROL DAMPERS*** | | | | | | Power Plant: | | *HPC* |
| Sheet: | *1* of *4* | | ***Preliminary Checks*** | | | | | | Unit: | | *1* |
| Supply Contractor Name: | | | HPC-UK1421-AU-ALL-BOQ-002364 | | Type of dampers | | | SDM P7.2 | | | |
| Supply Contract Number: | | | SDM P7.2 | |  | | |  | | | |
| Install Contract Number: | | | / | |  | | |  | | | |
| CI reference: | | |  | | Date of test: | | |  | | | |
| CI version: | | |  | |  | | |  | | | |
| **Preliminary Checks** | | | | | | | | | | | |
| **ECS code** | | **Location** | | **Visual check** | | **Limit switches** | **Switchgear settings** | | | **Date and visa** | |
|  | |  | | Correct | | Correct | Correct | | |  | |
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| **Observations:** | | | | | | | | | | | |

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| EPR | |  | **STANDARD TEST FORM *41-03*** | | |  | |
| Version: | | *X* | ***MOTORISED CONTROL DAMPERS*** | | | Power Plant: | *HPC* |
| Sheet: | | *2* of *4* | ***Functional tests without air flow*** | | | Unit: | *1* |
| ECS Equipment Code: | | | SDM P7.2 | Type of damper | | SDM P7.2 | |
| Equipment designation: | | | SDM P7.2 | Switchboard ECS code | | SDM P7.3 | |
| Location: | | | SDM P7.2 | Electrical Cell ECS code | | SDM P7.3 | |
| Supply Contractor Name: | | | HPC-UK1421-AU-ALL-BOQ-002364 | Actuator type | | HPC-UK1421-AU-ALL-BOQ-002364 | |
| Supply Contract Number: | | | SDM P7.2 | Nominal voltage | | HPC-UK1421-AU-ALL-BOQ-002364 | |
| Install Contract Number: | | | / |  | |  | |
| CI reference: | | |  | Date of test: | |  | |
| CI version: | | |  |  | |  | |
|  | | | | **Expected values** | **Results** | **Observations** | |
| **Functional tests without air flow** | | | | | | | |
| *a* | *Damper operability without air flow* | | | Correct |  |  | |
| *b* | *Limit switches settings* | | | Correct |  |  | |
| *c* | *Direction check* | | | Correct |  |  | |
| *d* | *Motorised operability* | | | Correct |  |  | |
| *e* | *Operating time : opening time* | | | Supplier’s OMM |  |  | |
| *f* | *Operating time : closing time* | | | Supplier’s OMM |  |  | |
| *g* | *Priority of orders* | | | Correct |  |  | |
| *h* | *Electronic positioner* | | | Correct |  |  | |
| *i* | *Retransmission of position* | | | Correct |  |  | |
| *j* | *Dynamic characterisation : opening hysteresis* | | | Supplier’s OMM |  |  | |
| *k* | *Dynamic characterisation : closing hysteresis* | | | Supplier’s OMM |  |  | |
| *l* | *Starting current : at the opening* | | | Supplier’s OMM |  |  | |
| *m* | *Starting current : at the closing* | | | Supplier’s OMM |  |  | |
| *n* | *Absorbed current : at the opening* | | | Supplier’s OMM |  |  | |
| *o* | *Absorbed current : at the closing* | | | Supplier’s OMM |  |  | |
| *p* | *Fail-safe position* | | | SDM 7.3 |  |  | |
| **Observations:** | | | | | | | |

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| EPR |  | | **STANDARD TEST FORM *41-03*** | | | | | |  | |
| Version: | *X* | | ***MOTORISED CONTROL DAMPERS*** | | | | | | Power Plant: | *HPC* |
| Sheet: | *3* of *4* | | ***Functional tests without air flow*** | | | | | | Unit: | *1* |
| ECS Equipment Code: | | | | SDM P7.2 | | Type of damper | | SDM P7.2 | | |
| Equipment designation: | | | | SDM P7.2 | | Switchboard ECS code | | D305114012474  D305214038926 | | |
| Location: | | | | SDM P7.2 | | Electrical Cell ECS code | | D305114012474  D305214038926 | | |
| Supply Contractor Name: | | | | HPC-UK1421-AU-ALL-BOQ-002364 | | Actuator type | | HPC-UK1421-AU-ALL-BOQ-002364 | | |
| Supply Contract Number: | | | | SDM P7.2 | | Nominal voltage | | HPC-UK1421-AU-ALL-BOQ-002364 | | |
| Install Contract Number: | | | | / | |  | |  | | |
| CI reference: | | | |  | | Date of test: | |  | | |
| CI version: | | | |  | |  | |  | | |
| **Electronic positioner and retransmission of the position** | | | | | | | | | | |
| **Theoretical position (%)** | | **Expected converter input (mA or Ohm)** | | | **Damper position (mA or Ohm)** | **Retransmission of damper positions from the I&C (%)** | **Conformity between local position and I&C indication** | | | |
| 0 | | Supplier’s OMM | | |  |  |  | | | |
| 5 | |  | | |  |  |  | | | |
| 25 | |  | | |  |  |  | | | |
| 50 | |  | | |  |  |  | | | |
| 75 | |  | | |  |  |  | | | |
| 95 | |  | | |  |  |  | | | |
| 100 | |  | | |  |  |  | | | |
| 95 | |  | | |  |  |  | | | |
| 75 | |  | | |  |  |  | | | |
| 50 | |  | | |  |  |  | | | |
| 25 | |  | | |  |  |  | | | |
| 5 | |  | | |  |  |  | | | |
| 0 | |  | | |  |  |  | | | |
| **Observations:** | | | | | | | | | | |

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| EPR | |  | **STANDARD TEST FORM *41-03*** | | |  | |
| Version: | | *X* | ***MOTORISED ISOLATION DAMPERS*** | | | Power Plant: | *HPC* |
| Sheet: | | *4* of *4* | ***Functional tests with air flow*** | | | Unit: | *1* |
| ECS Equipment Code: | | | SDM P7.2 | Type of damper | | SDM P7.2 | |
| Equipment designation: | | | SDM P7.2 | Switchboard ECS code | | D305114012474  D305214038926 | |
| Location: | | | SDM P7.2 | Electrical Cell ECS code | | D305114012474  D305214038926 | |
| Supply Contractor Name: | | | HPC-UK1421-AU-ALL-BOQ-002364 | Actuator type | | HPC-UK1421-AU-ALL-BOQ-002364 | |
| Supply Contract Number: | | | SDM P7.2 | Nominal voltage | | HPC-UK1421-AU-ALL-BOQ-002364 | |
| Install Contract Number: | | | / |  | |  | |
| CI reference: | | |  | Date of test: | |  | |
| CI version: | | |  |  | |  | |
|  | | | | **Expected values** | **Results** | **Observations** | |
| **Functional tests with air flow** | | | | | | | |
| *a* | *Damper operability with air flow* | | | Correct |  |  | |
| *b* | *Operating time : opening time* | | | Supplier’s OMM |  |  | |
| *c* | *Operating time : closing time* | | | Supplier’s OMM |  |  | |
| **Observations:** | | | | | | | |

## Fire and smoke dampers (STF 41-04)

### End of erection checks and inspections

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| EPR | |  | **STANDARD TEST FORM *41-04-E*** | | |  | |
| Version: | | *X* | ***FIRE AND SMOKE DAMPERS*** | | | Power Plant: | *HPC* |
| Sheet: | | *1* of *1* | ***End of erection checks and inspections*** | | | Unit: | *1* |
| ECS Equipment Code: | | | SDM P7.2 | Type of damper | | SDM P7.2 | |
| Equipment designation: | | | SDM P7.2 | Switchboard ECS code | | D305114012474  D305214038926 | |
| Location: | | | SDM P7.2 | Electrical Cell ECS code | | D305114012474  D305214038926 | |
| Supply Contractor Name: | | | HPC-UK1421-AU-ALL-BOQ-002364 | Actuator type | | HPC-UK1421-AU-ALL-BOQ-002364 | |
| Supply Contract Number: | | | SDM P7.2 | Nominal voltage | | HPC-UK1421-AU-ALL-BOQ-002364 | |
| Install Contract Number: | | | / |  | |  | |
| CI reference: | | |  | Date of test: | |  | |
| CI version: | | |  |  | |  | |
|  | | | | **Expected values** | **Results** | **Observations** | |
| **End of erection checks and inspections** | | | | | | | |
| *a* | *Name plate information* | | | Correct |  |  | |
| *b* | *Accessibility & Manoeuvrability* | | | Correct |  |  | |
| *c* | *Assembly direction* | | | Correct |  |  | |
| *d* | *Remote control device* | | | Correct |  |  | |
| *e* | *Supports* | | | Correct |  |  | |
| *f* | *Greasing* | | | Correct |  |  | |
| *g* | *Electrical inspections* | | | Correct |  |  | |
| *h* | *Unlocking* | | | Correct |  |  | |
| *i* | *Type of actuators* | | | Contract’s BOM |  |  | |
| *J* | *Position of the actuator* | | | Correct |  |  | |
| *K* | *Fuse values* | | | Supplier’s OMM |  |  | |
| *l* | *Intumescent seals* | | | Correct |  |  | |
| **Observations:** | | | | | | | |

### Commissioning tests

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| EPR |  | | **STANDARD TEST FORM *41-04*** | | | | | |  | | |
| Version: | *X* | | ***FIRE AND SMOKE DAMPERS*** | | | | | | Power Plant: | | *HPC* |
| Sheet: | *1* of *2* | | ***Preliminary Checks*** | | | | | | Unit: | | *1* |
| Supply Contractor Name: | | | HPC-UK1421-AU-ALL-BOQ-002364 | | Type of dampers | | | SDM P7.2 | | | |
| Supply Contract Number: | | | SDM P7.2 | |  | | |  | | | |
| Install Contract Number: | | | / | |  | | |  | | | |
| CI reference: | | |  | | Date of test: | | |  | | | |
| CI version: | | |  | |  | | |  | | | |
| **Preliminary Checks** | | | | | | | | | | | |
| **ECS code** | | **Location** | | **Visual check** | | **Limit switches** | **Switchgear settings** | | | **Date and visa** | |
|  | |  | | Correct | | Correct | Correct | | |  | |
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| **Observations:** | | | | | | | | | | | |

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| --- | --- | --- | --- | --- | --- | --- | --- |
| EPR | |  | **STANDARD TEST FORM *41-04*** | | |  | |
| Version: | | *X* | ***FIRE AND SMOKE DAMPERS*** | | | Power Plant: | *HPC* |
| Sheet: | | *2* of *2* | ***Functional tests without air flow*** | | | Unit: | *1* |
| ECS Equipment Code: | | | SDM P7.2 | Type of damper | | SDM P7.2 | |
| Equipment designation: | | | SDM P7.2 | Switchboard ECS code | | D305114012474  D305214038926 | |
| Location: | | | SDM P7.2 | Electrical Cell ECS code | | D305114012474  D305214038926 | |
| Supply Contractor Name: | | | HPC-UK1421-AU-ALL-BOQ-002364 | Actuator type | | HPC-UK1421-AU-ALL-BOQ-002364 | |
| Supply Contract Number: | | | SDM P7.2 | Nominal voltage | | HPC-UK1421-AU-ALL-BOQ-002364 | |
| Install Contract Number: | | | / |  | |  | |
| CI reference: | | |  | Date of test: | |  | |
| CI version: | | |  |  | |  | |
|  | | | | **Expected values** | **Results** | **Observations** | |
| **Functional tests without air flow** | | | | | | | |
| *a* | *Damper operability without air flow* | | | Correct |  |  | |
| *b* | *Limit switches settings* | | | Correct |  |  | |
| *c* | *Operating time : opening time* | | | Supplier’s OMM |  |  | |
| *d* | *Operating time : closing time* | | | Supplier’s OMM |  |  | |
| *e* | *Operating cycles* | | | Correct |  |  | |
| **Observations:** | | | | | | | |