SDC Glue

# MDIB Version

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| Index | Feature | Reference | Text |
| MDIBV-1 | UUIDv5 Algorithm | Clause 7.5 | An SDC SERVICE PROVIDER SHOULD determine the pm:MdibVersionGroup/@SequenceId using the UUIDv5 algorithm when the PoC MEDICAL DEVICE possesses at least one UDI |

# Handle-based filtering

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| Index | Feature | Reference | Text |
| ~~HBF-1~~ | Handle-based Filtering Support for SDC SERVICE CONSUMER | R0037 | An SDC SERVICE CONSUMER SHOULD subscribe to EVENT SOURCEs using the Handle-based Filter Dialect in a wse:Subscribe MESSAGE if it is interested only in certain CONTAINMENT TREE ENTRY changes with a defined set of pm:Handle. |
| ~~HBF-2~~ | Handle-based Filtering Support for SDC SERVICE PROVIDER | R0039 | An SDC SERVICE PROVIDER SHOULD support filtering by the Handle-based Filter Dialect. |

# Cyber-Security

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| Index | Feature | Reference | Text |
| CS-1 | Common Name in X.509 certificates | R0045 | As Common Name of the Distinguished Name in X.509 certificates an SDC PARTICIPANT SHOULD use the PRIMARY UDI of the PoC MEDICAL DEVICE in UUIDv5 form as described in 7.5. |
| ~~CS-2~~ | Integrity Protection for Header Field MESSAGEs | R0046 | An SDC PARTICIPANT SHOULD NOT send a SOAP ENVELOPE without protecting the integrity of any Message Information Header blocks matching the following XPath expressions: |

# Discovery

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| Index | Feature | Reference | Text |
| DIS-1 | Location Context Details | Clause 9.3.1.3 | An SDC SERVICE PROVIDER SHOULD provide the following ATTRIBUTEs in pm:LocationContextState\pm:LocationDetail if the SDC SERVICE PROVIDER is providing pm:LocationContextState\pm:LocationDetail.  - LocationDetail/@Facility  - LocationDetail/@PoC  - LocationDetail/@Bed |
| DIS-2 | Announce Absense | R0004 |  |
| DIS-3 | MDS-Based Discovery | 9.2 | For every instance derived from pm:AbstractComplexDeviceComponentDescriptor in the MDIB an SDC SERVICE PROVIDER SHOULD include a URI-encoded pm:AbstractComplexDeviceComponentDescriptor/pm:Type as dpws:Scope of the MDPWS discovery messages.  *[should be made mandatory for MDS, optional for VMDs]* |
| DIS-4 | Context-Based Discovery | 9.4 | For every associated context in the MDIB an SDC SERVICE PROVIDER SHOULD include a URI-encoded pm:AbstractContextState/pm:Identification as dpws:Scope of the MDPWS discovery messages.  *[Mandatory for locations and ensembles if that’s in accordance with privacy laws]* |
| DIS-5 | SDC Participant Key Purpose based Discovery | 9.3 | For every SDC PARTICIPANT KEY PURPOSE that is also defined using the mechanisms for Trust Establishment (see 10.2.3), an SDC SERVICE PROVIDER SHOULD include a URI-encoded SDC PARTICIPANT KEY PURPOSE as dpws:Scope of the MDPWS discovery messages.  *[should be made mandatory for SDC Provider purpose only]* |

# Cyber Security

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| Index | Feature | Reference | Text |
| CS-1 | Common Name in X.509 certificates | R0045 | As Common Name of the Distinguished Name in X.509 certificates an SDC PARTICIPANT SHOULD use the PRIMARY UDI of the PoC MEDICAL DEVICE in UUIDv5 form as described in 7.5.  *[should be mandatory, if an SDC PARTICIPANT has a UDI]* |
| ~~CS-2~~ | Integrity Protection for Header Field MESSAGEs | R0046 | An SDC PARTICIPANT SHOULD NOT send a SOAP ENVELOPE without protecting the integrity of any Message Information Header blocks matching the following XPath expressions |
| ~~CS-3~~ | Utilize the highest TLS version | R0064 | An SDC PARTICIPANT SHOULD utilize the highest TLS version. |

QoS

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| Index | Feature | Reference | Text |
| QoS-1 | No Expedited Forwarding | R0016 | An SDC PARTICIPANT SHOULD NOT mark any MESSAGE with Expedited Forwarding (EF) PHB.  *[should be made mandatory]* |
| QoS-2 | Assured Forwarding | R0017 |  |
| QoS-3 | Alerts PHB Class | R0020 |  |
| QoS-4 | Metrics PHB Class | R0021 |  |
| QoS-6 | Information only CONTAINMENT TREE ELEMENTs Default PHB | R0023 |  |