



Key Management Interoperability Protocol Profiles Version 1.2

OASIS Standard

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Related work:

This specification replaces or supersedes:

- *Key Management Interoperability Protocol Profiles Version 1.1*. Edited by Robert Griffin and Subhash Sankuratripati. Latest version <http://docs.oasis-open.org/kmip/profiles/v1.1/kmip-profiles-v1.1.html>.

This specification is related to:

- *Key Management Interoperability Protocol Specification Version 1.2*. Edited by Kiran Thota and Kelley Burgin. Latest version. <http://docs.oasis-open.org/kmip/spec/v1.2/kmip-spec-v1.2.html>.
- *Key Management Interoperability Protocol Test Cases Version 1.2*. Edited by Tim Hudson and Faisal Faruqui. Latest version. <http://docs.oasis-open.org/kmip/testcases/v1.2/kmip-testcases-v1.2.html>.
- *Key Management Interoperability Protocol Usage Guide Version 1.2*. Edited by Indra Fitzgerald and Judith Furlong. Latest version. <http://docs.oasis-open.org/kmip/ug/v1.2/kmip-ug-v1.2.html>.

Abstract:

This document is intended for developers and architects who wish to design systems and applications that conform to the Key Management Interoperability Protocol specification.

Status:

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1 Introduction

2 OASIS requires a conformance section in an approved committee specification ([KMIP-SPEC] [TC-
3 PROC], section 2.18 Work Product Quality, paragraph 8a):
4 A specification that is approved by the TC at the Public Review Draft, Committee Specification or OASIS
5 Standard level must include a separate section, listing a set of numbered conformance clauses, to which
6 any implementation of the specification must adhere in order to claim conformance to the specification (or
7 any optional portion thereof).
8 This document intends to meet this OASIS requirement on conformance clauses for a KMIP server or
9 KMIP client ([KMIP-SPEC] 12.1, 12.2) through profiles that define the use of KMIP objects, attributes,
10 operations, message elements and authentication methods within specific contexts of KMIP server and
11 client interaction.
12 These profiles define a set of normative constraints for employing KMIP within a particular environment or
13 context of use. They may, optionally, require the use of specific KMIP functionality or in other respects
14 define the processing rules to be followed by profile actors.
15 For normative definition of the elements of KMIP specified in these profiles, see the [KMIP Specification](#)
16 ([KMIP-SPEC]).

17 1.1 Terminology

18 The key words “MUST”, “MUST NOT”, “REQUIRED”, “SHALL”, “SHALL NOT”, “SHOULD”, “SHOULD
19 NOT”, “RECOMMENDED”, “MAY”, and “OPTIONAL” in this document are to be interpreted as described
20 in [\[RFC2119\]](#).

21 1.2 Normative References

- | | |
|-----------------------|--|
| 22 [KMIP-SPEC] | Key Management Interoperability Protocol Specification Version 1.2. Edited by
23 Kiran Thota and Kelley Burgin. Latest version: http://docs.oasis-open.org/kmip/spec/v1.2/kmip-spec-v1.2.doc . |
| 25 [RFC2119] | Bradner, S., “Key words for use in RFCs to Indicate Requirement Levels”, BCP
26 14, RFC 2119, March 1997. http://www.ietf.org/rfc/rfc2119.txt . |
| 27 [RFC2246] | T. Dierks & C. Allen, <i>The TLS Protocol, Version 1.0</i> ,
28 http://www.ietf.org/rfc/rfc2246.txt , IETF RFC 2246, January 1999 |
| 29 [RFC3268] | P. Chown, <i>Advanced Encryption Standard (AES) Ciphersuites for Transport
30 Layer Security (TLS)</i> , http://www.ietf.org/rfc/rfc3268.txt , IETF RFC 3268, June
31 2002 |
| 32 [RFC4346] | T. Dierks & E. Rescorla, <i>The Transport Layer Security (TLS) Protocol, Version
33 1.1</i> , http://www.ietf.org/rfc/rfc4346.txt , IETF RFC 4346, April 2006 |
| 34 [RFC5246] | T. Dierks & E. Rescorla, <i>The Transport Layer Security (TLS) Protocol, Version
35 1.2</i> , http://www.ietf.org/rfc/rfc5246.txt , IETF RFC 5246, August 2008 |

36 1.3 Non-Normative References

- | | |
|---------------------|--|
| 37 [TC-PROC] | OASIS TC Process. 14 February 2013. OASIS Process. https://www.oasis-open.org/policies-guidelines/tc-process . |
|---------------------|--|

39 **2 Profiles**

40 This document defines a selected set of conformance clauses and authentication suites which when
41 combined form KMIP Profiles.

42 **2.1 Guidelines for Specifying Conformance Clauses**

43 This section provides a checklist of issues that SHALL be addressed by each clause.

- 44 1. Implement functionality as mandated by **[KMIP-SPEC]** Section 12 (Conformance clauses for a
45 KMIP server or a KMIP client)
- 46 2. Specify the list of additional objects that SHALL be supported
- 47 3. Specify the list of additional attributes that SHALL be supported
- 48 4. Specify the list of additional operations that SHALL be supported
- 49 5. Specify any additional message content that SHALL be supported

50 **2.2 Guidelines for Specifying Authentication Suites**

- 51 1. Channel Security – For all operations, communication between client and server SHALL
52 establish and maintain channel confidentiality and integrity.,,
- 53 2. Channel Options – Options like protocol version and cipher suite
- 54 3. Server and Client Authenticity – For all operations, communication between client and server
55 SHALL provide assurance of server authenticity and client authenticity

56 **2.3 Guidelines for Specifying KMIP Profiles**

57 Any vendor or organization, such as other standards bodies, MAY create a KMIP Profile and publish it.
58

1. The profile SHALL be publicly available.
- 59 2. The KMIP Technical Committee SHALL be formally advised of the availability of the profile and
60 the location of the published profile.
- 61 3. The profile SHALL be defined as a tuple of {Conformance Clause, Authentication Suite}.
- 62 4. The KMIP Technical Committee SHOULD review the profile prior to publication.

63 **2.4 Guidelines for Validating Conformance to KMIP Server Profiles**

64 A KMIP server implementation SHALL claim conformance to a specific server profile only if it supports all
65 required objects, operations, messaging and attributes of that profile
66

1. All objects specified as required in that profile
- 67 2. All operations specified as required in that profile
- 68 3. All attributes specified as required in that profile
- 69 4. The defined wire protocols (TLS, SSL, IPsec, etc...) for that profile
- 70 5. The defined methods of authentication for that profile

71 **2.5 Guidelines for Validating Conformance to KMIP Client Profiles**

72 A KMIP client implementation SHALL claim conformance to a specific client profile only if it supports all
73 required objects, operations, messaging and attributes of that profile

- 74 1. All objects specified as required in that profile
75 2. All operations specified as required in that profile
76 3. All attributes specified as required in that profile
77 4. The defined wire protocols (TLS, SSL, IPsec, etc...) for that profile
78 5. The defined methods of authentication for that profile
79

80 **3 Authentication Suites**

81 This section contains the list of protocol versions and cipher suites that are to be used by profiles
82 contained within this document.

83 **3.1 Basic Authentication Suite**

84 This authentication set stipulates that a conformant KMIP client or server SHALL use TLS to negotiate a
85 secure connection.

86 **3.1.1 Protocols**

87 Conformant KMIP clients or servers SHALL support:

- TLS v1.0 [RFC2246] and [RFC3268]

89 Conformant KMIP clients or servers MAY support:

- TLS v1.1 [RFC4346]
- TLS v1.2 [RFC5246]

92 Conformant KMIP clients or servers SHALL NOT support:

- SSL v3.0
- SSL v2.0
- SSL v1.0

96 **3.1.2 Cipher Suites**

97 Conformant KMIP clients or servers SHALL support the following cipher suites:

- TLS_RSA_WITH_AES_128_CBC_SHA

99 Conformant KMIP clients and servers MAY support the following cipher suites:

- TLS_RSA_WITH_3DES_EDE_CBC_SHA
- TLS_RSA_WITH_AES_128_CBC_SHA256
- TLS_RSA_WITH_AES_256_CBC_SHA
- TLS_RSA_WITH_AES_256_CBC_SHA256
- TLS_DH_DSS_WITH_3DES_EDE_CBC_SHA
- TLS_DH_RSA_WITH_3DES_EDE_CBC_SHA
- TLS_DHE_DSS_WITH_3DES_EDE_CBC_SHA
- TLS_DHE_RSA_WITH_3DES_EDE_CBC_SHA
- TLS_DH_DSS_WITH_AES_128_CBC_SHA
- TLS_DH_RSA_WITH_AES_128_CBC_SHA
- TLS_DHE_DSS_WITH_AES_128_CBC_SHA
- TLS_DHE_RSA_WITH_AES_128_CBC_SHA
- TLS_DH_DSS_WITH_AES_256_CBC_SHA
- TLS_DH_RSA_WITH_AES_256_CBC_SHA
- TLS_DHE_DSS_WITH_AES_256_CBC_SHA
- TLS_DHE_RSA_WITH_AES_256_CBC_SHA
- TLS_DH_DSS_WITH_AES_128_CBC_SHA256
- TLS_DH_RSA_WITH_AES_128_CBC_SHA256
- TLS_DHE_DSS_WITH_AES_128_CBC_SHA256
- TLS_DHE_RSA_WITH_AES_128_CBC_SHA256
- TLS_DH_DSS_WITH_AES_256_CBC_SHA256
- TLS_DH_RSA_WITH_AES_256_CBC_SHA256
- TLS_DHE_DSS_WITH_AES_256_CBC_SHA256

- TLS_DHE_RSA_WITH_AES_256_CBC_SHA256
- TLS_ECDH_ECDSA_WITH_3DES_EDE_CBC_SHA
- TLS_ECDH_ECDSA_WITH_AES_128_CBC_SHA
- TLS_ECDH_ECDSA_WITH_AES_128_CBC_SHA256
- TLS_ECDH_ECDSA_WITH_AES_256_CBC_SHA384
- TLS_ECDHE_ECDSA_WITH_3DES_EDE_CBC_SHA
- TLS_ECDHE_ECDSA_WITH_AES_128_CBC_SHA
- TLS_ECDHE_ECDSA_WITH_AES_128_CBC_SHA256
- TLS_ECDHE_ECDSA_WITH_AES_256_CBC_SHA384
- TLS_ECDH_RSA_WITH_3DES_EDE_CBC_SHA
- TLS_ECDH_RSA_WITH_AES_128_CBC_SHA256
- TLS_ECDH_RSA_WITH_AES_256_CBC_SHA384
- TLS_ECDHE_RSA_WITH_3DES_EDE_CBC_SHA
- TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA
- TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256
- TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384
- TLS_PSK_WITH_3DES_EDE_CBC_SHA
- TLS_PSK_WITH_AES_128_CBC_SHA
- TLS_PSK_WITH_AES_256_CBC_SHA
- TLS_DHE_PSK_WITH_3DES_EDE_CBC_SHA
- TLS_DHE_PSK_WITH_AES_128_CBC_SHA
- TLS_DHE_PSK_WITH_AES_256_CBC_SHA
- TLS_RSA_PSK_WITH_3DES_EDE_CBC_SHA
- TLS_RSA_PSK_WITH_AES_128_CBC_SHA
- TLS_RSA_PSK_WITH_AES_256_CBC_SHA
- TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256
- TLS_ECDHE_ECDSA_WITH_AES_256_GCM_SHA384
- TLS_ECDHE_ECDSA_WITH_AES_128_CBC_SHA256
- TLS_ECDHE_ECDSA_WITH_AES_256_CBC_SHA384

152 Conformant KMIP clients or servers SHALL NOT support any cipher suite not listed above.

153 NOTE: TLS 1.0 has known security issues and implementations that need protections against known
154 issues SHOULD consider using the TLS 1.2 Authentication Suite (3.2)

155 **3.1.3 Client Authenticity**

156 Conformant KMIP servers SHALL require the use of channel (TLS) mutual authentication to provide
157 assurance of client authenticity for all operations other than:

- Query
- Discover Versions

160 Conformant KMIP servers SHALL use the identity derived from the channel mutual authentication to
161 determine the client identity if the KMIP client requests do not contain an Authentication object.

162 Conformant KMIP servers SHALL use the identity derived from the channel mutual authentication along
163 with the Credential information to determine the client identity if the KMIP client requests contain an
164 Authentication object.

165 The exact mechanisms determining the client identity are outside the scope of this specification.

166 **3.1.4 KMIP Port Number**

167 Conformant KMIP servers SHOULD use TCP port number 5696, as assigned by IANA.

168 **3.2 TLS 1.2 Authentication Suite**

169 This authentication set stipulates that a conformant KMIP client and server SHALL use TLS to negotiate a
170 mutually-authenticated connection.

- 171 **3.2.1 Protocols**
- 172 Conformant KMIP clients and servers SHALL support:
- 173 • TLS v1.2 [RFC2246]
- 174 **3.2.2 Cipher Suites**
- 175 Conformant KMIP servers SHALL support the following cipher suites:
- 176 • TLS_RSA_WITH_AES_256_CBC_SHA256
- 177 • TLS_RSA_WITH_AES_128_CBC_SHA256
- 178
- 179 Conformant KMIP servers and clients MAY support the cipher suites specified as MAY in section 3.2.2 of
- 180 the Basic Authentication Suite.
- 181 **3.2.3 Client Authenticity**
- 182 Conformant KMIP servers and clients SHALL handle client authenticity in accordance with section 3.2.3
- 183 of the Basic Authentication Suite.
- 184 **3.2.4 KMIP Port Number**
- 185 Conformant KMIP servers and clients SHALL handle the KMIP port number in accordance with section
- 186 3.1.4 of the Basic Authentication Suite.

187 **4 KMIP Profiles**

188 This section lists the KMIP profiles that are defined in this specification.

189 A KMIP server or KMIP client MAY support more than one profile at the same time provided there are no
190 conflicting requirements between any of the supported profiles.

191 **4.1 Baseline Server Basic KMIP Profile**

192 The profile that consists of the tuple {Baseline Server, Basic Authentication Suite}.

193 **4.2 Baseline Server TLS v1.2 KMIP Profile**

194 A profile that consists of the tuple {Baseline Server, TLS 1.2 Authentication Suite}.

195 **4.3 Baseline Client Basic KMIP Profile**

196 The profile that consists of the tuple {Baseline Client, Basic Authentication Suite}.

197 **4.4 Baseline Client TLS v1.2 KMIP Profile**

198 A profile that consists of the tuple {Baseline Client, TLS 1.2 Authentication Suite}.

199 **4.5 Complete Server Basic KMIP Profile**

200 The profile that consists of the tuple {Complete Server, Basic Authentication Suite}.

201 **4.6 Complete Server TLS v1.2 KMIP Profile**

202 A profile that consists of the tuple {Complete Server, TLS 1.2 Authentication Suite}.

203

-
- 204 **5 Conformance**
- 205 The baseline server and client profiles provide the most basic functionality that is expected of a
206 conformant KMIP client or server. The complete server profile defines a KMIP server that implements the
207 entire specification. A KMIP implementation conformant to this specification (the Key Management
208 Interoperability Protocol Profiles) SHALL meet all the conditions documented in one or more of the
209 following sections.
- 210 Specific combinations of KMIP objects, operations, messaging and attributes beyond those defined in the
211 following sections are specified in separate profile documents.
- 212 **5.1 Baseline Server**
- 213 The Baseline Server provides the most basic functionality that is expected of a conformant KMIP server –
214 the ability to provide information about the server and the managed objects supported by the server.
- 215 An implementation is a conforming Baseline Server if it meets the following conditions:
- 216 1. Supports the conditions required by the KMIP Server conformance clauses ([KMIP-SPEC] 12.1)
 - 217 2. Supports the following objects:
 - 218 a. Attribute ([KMIP-SPEC] 2.1.1)
 - 219 b. Credential ([KMIP-SPEC] 2.1.2)
 - 220 c. Key Block ([KMIP-SPEC] 2.1.3)
 - 221 d. Key Value ([KMIP-SPEC] 2.1.4)
 - 222 e. Template-Attribute Structure ([KMIP-SPEC] 2.1.8)
 - 223 f. Extension Information ([KMIP-SPEC] 2.1.9)
 - 224 3. Supports the following subsets of attributes:
 - 225 a. Unique Identifier ([KMIP-SPEC] 3.1)
 - 226 b. Name ([KMIP-SPEC] 3.2)
 - 227 c. Object Type ([KMIP-SPEC] 3.3)
 - 228 d. Cryptographic Algorithm ([KMIP-SPEC] 3.4)
 - 229 e. Cryptographic Length ([KMIP-SPEC] 3.5)
 - 230 f. Cryptographic Parameters ([KMIP-SPEC] 3.6)
 - 231 g. Digest ([KMIP-SPEC] 3.17)
 - 232 h. Default Operation Policy ([KMIP-SPEC] 3.18.2)
 - 233 i. Cryptographic Usage Mask ([KMIP-SPEC] 3.19)
 - 234 j. State ([KMIP-SPEC] 3.22)
 - 235 k. Initial Date ([KMIP-SPEC] 3.23)
 - 236 l. Activation Date ([KMIP-SPEC] 3.24)
 - 237 m. Deactivation Date ([KMIP-SPEC] 3.27)
 - 238 n. Compromise Occurrence Date ([KMIP-SPEC] 3.29)
 - 239 o. Compromise Date ([KMIP-SPEC] 3.30)
 - 240 p. Revocation Reason ([KMIP-SPEC] 3.31)
 - 241 q. Last Change Date ([KMIP-SPEC] 3.38)
 - 242 4. Supports the ID Placeholder ([KMIP-SPEC] 4)
 - 243 5. Supports the following client-to-server operations:
 - 244 a. Locate ([KMIP-SPEC] 4.9)
 - 245 b. Check ([KMIP-SPEC] 4.10)
 - 246 c. Get ([KMIP-SPEC] 4.11)
 - 247 d. Get Attributes ([KMIP-SPEC] 4.12)
 - 248 e. Get Attribute List ([KMIP-SPEC] 4.13)
 - 249 f. Add Attribute ([KMIP-SPEC] 4.14)
 - 250 g. Modify Attribute ([KMIP-SPEC] 4.15)
 - 251 h. Delete Attribute ([KMIP-SPEC] 4.16)

- 252 i. Activate ([KMIP-SPEC] 4.19)
 253 j. Revoke ([KMIP-SPEC] 4.20)
 254 k. Destroy ([KMIP-SPEC] 4.21)
 255 l. Query ([KMIP-SPEC] 4.25)
 256 m. Discover Versions ([KMIP-SPEC] 4.26)
- 257 6. Supports the following message contents:
 258 a. Protocol Version ([KMIP-SPEC] 6.1)
 259 b. Operation ([KMIP-SPEC] 6.2)
 260 c. Maximum Response Size ([KMIP-SPEC] 6.3)
 261 d. Unique Batch Item ID ([KMIP-SPEC] 6.4)
 262 e. Time Stamp ([KMIP-SPEC] 6.5)
 263 f. Asynchronous Indicator ([KMIP-SPEC] 6.7)
 264 g. Result Status ([KMIP-SPEC] 6.9)
 265 h. Result Reason ([KMIP-SPEC] 6.10)
 266 i. Batch Order Option ([KMIP-SPEC] 6.12)
 267 j. Batch Error Continuation Option ([KMIP-SPEC] 6.13)
 268 k. Batch Count ([KMIP-SPEC] 6.14)
 269 l. Batch Item ([KMIP-SPEC] 6.15)
 270 m. Attestation Capable Indicator ([KMIP-SPEC] 6.17)
- 271 7. Supports Message Format ([KMIP-SPEC] 7)
 272 8. Supports Authentication ([KMIP-SPEC] 8)
 273 9. Supports the TTLV encoding ([KMIP-SPEC] 9.1)
 274 10. Supports the transport requirements ([KMIP-SPEC] 10)
 275 11. Supports Error Handling ([KMIP-SPEC] 11) for any supported object, attribute, or operation
 276 12. Optionally supports any clause within [KMIP-SPEC] that is not listed above
 277 13. Optionally supports extensions outside the scope of this standard (e.g., vendor extensions, conformance clauses) that do not contradict any KMIP requirements

5.2 Baseline Client

The Baseline Client provides some of the most basic functionality that is expected of a conformant KMIP client – the ability to request information about the server.

An implementation is a conforming Baseline Client Clause if it meets the following conditions:

- 283 1. Supports the conditions required by the KMIP Client conformance clauses ([KMIP-SPEC] 12.2)
- 284 2. Supports the following objects:
 - 285 a. Attribute ([KMIP-SPEC] 2.1.1)
 - 286 b. Template-Attribute Structure ([KMIP-SPEC] 2.1.8)
- 287 3. Supports the following subsets of attributes:
 - 288 a. Unique Identifier ([KMIP-SPEC] 3.1)
 - 289 b. Object Type ([KMIP-SPEC] 3.3)
 - 290 c. Digest ([KMIP-SPEC] 3.17)
 - 291 d. Default Operation Policy ([KMIP-SPEC] 3.18.2)
 - 292 e. State ([KMIP-SPEC] 3.22)
 - 293 f. Initial Date ([KMIP-SPEC] 3.23)
 - 294 g. Activation Date ([KMIP-SPEC] 3.24)
 - 295 h. Deactivation Date ([KMIP-SPEC] 3.27)
 - 296 i. Last Change Date ([KMIP-SPEC] 3.38)
- 297 4. Supports the ID Placeholder ([KMIP-SPEC] 4)
- 298 5. Supports the following client-to-server operations:
 - 299 a. Locate ([KMIP-SPEC] 4.9)
 - 300 b. Get ([KMIP-SPEC] 4.11)

- 301 c. Get Attributes ([KMIP-SPEC] 4.12)
302 d. Query ([KMIP-SPEC] 4.25)
- 303 6. Supports the following message contents:
304 a. Protocol Version ([KMIP-SPEC] 6.1)
305 b. Operation ([KMIP-SPEC] 6.2)
306 c. Maximum Response Size ([KMIP-SPEC] 6.3)
307 d. Unique Batch Item ID ([KMIP-SPEC] 6.4)
308 e. Time Stamp ([KMIP-SPEC] 6.5)
309 f. Asynchronous Indicator ([KMIP-SPEC] 6.7)
310 g. Result Status ([KMIP-SPEC] 6.9)
311 h. Result Reason ([KMIP-SPEC] 6.10)
312 i. Batch Order Option ([KMIP-SPEC] 6.12)
313 j. Batch Error Continuation Option ([KMIP-SPEC] 6.13)
314 k. Batch Count ([KMIP-SPEC] 6.14)
315 l. Batch Item ([KMIP-SPEC] 6.15)
- 316 14. Supports Message Format ([KMIP-SPEC] 7)
317 15. Supports Authentication ([KMIP-SPEC] 8)
318 16. Supports the TTLV encoding ([KMIP-SPEC] 9.1)
319 17. Supports the transport requirements ([KMIP-SPEC] 10)
320 18. Supports Error Handling ([KMIP-SPEC] 11) for any supported object, attribute, or operation
321 19. Optionally supports any clause within [KMIP-SPEC] that is not listed above.
322 20. Optionally supports extensions outside the scope of this standard (e.g., vendor extensions,
323 conformance clauses) that do not contradict any KMIP requirements

324 **5.3 Complete Server**

325 The Complete Server provides functionality that is expected of a conformant KMIP server that implements
326 the entire specification.

327 An implementation is a conforming Complete Server if it meets the following conditions:

- 328 1. Supports KMIP Server conformance clauses ([KMIP-SPEC] 12.1)
- 329 2. Supports Objects ([KMIP-SPEC] 2)
- 330 3. Supports Attributes ([KMIP-SPEC] 3)
- 331 4. Supports Client-to-Server operations ([KMIP-SPEC] 4)
- 332 5. Supports Server-to-Client operations ([KMIP-SPEC] 5)
- 333 6. Supports Message Contents ([KMIP-SPEC] 6)
- 334 7. Supports Message Formats ([KMIP-SPEC] 7)
- 335 8. Supports Authentication ([KMIP-SPEC] 8)
- 336 9. Supports Message Encodings ([KMIP-SPEC] 9)
- 337 10. Supports Error Handling ([KMIP-SPEC] 11)
- 338 11. Optionally supports extensions outside the scope of this standard (e.g., vendor extensions,
339 conformance clauses) that do not contradict any KMIP requirements

341 Appendix A. Acknowledgments

342 The following individuals have participated in the creation of this specification and are gratefully
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Appendix B. Revision History

Revision	Date	Editor	Changes Made
wd01	23-May-2013	Tim Hudson	Initial revision based on the KMIP 1.1 equivalent document and TC discussions
wd02	25-June-2013	Tim Hudson	Removed comments, updated participant list, included line numbers.
pr01update	11-June-2014	Tim Hudson	Updated following Public Review