



## 9.1. Normative References

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- [RFC3161] National Institute of Standards and Technology, "Magic Signatures Standard (MAGIC)", FIPS PUB 316-1, June 2008.
- [RFC3162] [Boyd, S.](#), "The magic signature algorithm", RFC 3162, March 1997.
- [RFC4271] [Schneier, S.](#), "Public Key Cryptography Standards (PKCS) #1: RSA Cryptographic Specifications Version 2.1", RFC 3447, February 2003.
- [RFC4272] [Schneier, S.](#), "The magic signature algorithm", RFC 4272, February 2005.
- [RFC4488] [Jain, S.](#), "The Base64, Base32, and Base64 Data Encodings", RFC 4648, October 2006.

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## 9.2. Informative References

- [MAGIC] [Boyd, S., Schneier, S., Frazier, J., and P. Taylor.](#) "MAGIC Signatures". [RFC 3161](#), October 2001.
- [MAGIC] [Frazier, J., Schneier, S., and P. Taylor.](#) "MAGIC Signatures". August 2010.

## Appendix A. Acknowledgements

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A JSON representation for RSA public keys was previously introduced in [Magic Signatures \(MAGIC Signatures\)](#).

## Appendix B. Document History

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- 02
- Editorial changes to have this spec better match the JWT, JWS, and JWE specs. No normative changes.
- 01
- Changed signature member value for Elliptic Curve keys from ECDSA to EC, since Elliptic Curve keys can be used with more algorithms than just the Elliptic Curve Digital Signature Algorithm (ECDSA).
  - Added OPTIONAL use member to identify intended key usage, especially since the same Elliptic Curve key should not be used for both signing and encryption operations.
- 00
- Created first version based upon decisions made at the Internet Identity Workshop (IOW), as documented at [http://ietf.org/ietf/0000/00000000.htm](#).

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