



Task

Dependencies

Priority

- 1) **Finish Implementation**
 - 1.1) Write Armoured Encryption 0
 - 1.2) Write Use of Preferred Symmetric Algorithm 0
 - 1.3) Write Use of Preferred Public Key Algorithm 0
 - 1.4) Write Use of Preferred Hash Algorithm 0
 - 1.5) Compression 0
 - 1.6) Handling passphrase 0
 - 1.7) Write Verification of document signatures 0
 - 1.8) Write verification of V3 signatures 0
 - 1.9) Hash algorithm != SHA1 in signatures 0
 - 1.10) Unarmoured signatures? 0
 - 1.11) Fix: multiple packets encrypted with OPS can't be read by GPG 1
- 2) **Test Basic RSA**
- 3) **Test Packet Types**
- 4) **Test Functions**
 - 4.1) **Encrypt/Decrypt Document** 3.1, 3.3, 3.4, 3.5
 - 4.2) **Sign/Verify Document**
 - 4.2.1) Sign with V3 signature 0
 - 4.2.2) Sign with V4 signature 0
 - 4.2.3) Verify V3 signature 1.7 0
 - 4.2.4) Verify V4 signature 1.7 0
 - 4.2.5) Test all supported Hash Algorithms 1.4, 1.9 0
 - 4.3) Create Key Pair 0
 - 4.4) **Sign/Verify Key** 1.1, 1.4
 - 4.4.1) Sign with V3 sig 0
 - 4.4.2) Sign with V4 sig 0
 - 4.4.3) Verify V3 sig 0
 - 4.4.4) Verify V4 sig 0
 - 4.5) **More Tests**
 - 4.5.1) Multiple recipients for encryption 0
 - 4.5.2) Signature options 0
 - 4.5.3) Created Key Pair options 0
 - 4.5.4) Use encrypt-only key for signing, etc 0
 - 4.5.5) Compression 0
 - 4.5.6) Encrypted and Signed 0
- 5) **Interoperability Tests**
 - 5.1) **Encrypt with GPG, Decrypt with OPS**
 - 5.2) **Encrypt with OPS, Decrypt with GPG** 1.11
 - 5.3) **Sign with GPG, Verify with OPS (RSA/AES/SHA1)**
 - 5.4) **Sign with OPS, Verify with GPG (RSA/AES/SHA1)**
- 6) **Implement Basic RSA functions (CAST5/AES128/AES256) (SHA1)**
 - 6.1) Decrypt 4.1, 5.1
 - 6.2) Encrypt 4.1, 5.2
 - 6.3) Verify Document 4.2, 5.3
 - 6.4) Sign Document 4.2, 5.4
 - 6.5) Create Key Pair 4.3
 - 6.6) Sign Key 4.4
 - 6.7) Verify Key 4.4
- 7) **Implement Easy API** 6 0
- 8) **Document Easy API** 7 0
- 9) **Package for Distributions** 8
 - 9.1) Debian 0
 - 9.2) Ubuntu 0
 - 9.3) FreeBSD 0