

Assumptions

A. Hardware description language(s) used.

VHDL-93

B. GMU LWC development package files used.

File name	Used	Release number	Functional Modifications
NIST_LWAPI_pkg.vhd	Yes	v1.1.0	No
StepDownCountLd.vhd	Yes	v1.1.0	No
data_piso.vhd	Yes	v1.1.0	No
data_sipo.vhd	Yes	v1.1.0	No
key_piso.vhd	Yes	v1.1.0	No
PreProcessor.vhd	Yes	v1.1.0	No
PostProcessor.vhd	Yes	v1.1.0	No
fwft_fifo.vhd	Yes	v1.1.0	No
LWC.vhd	Yes	v1.1.0	No

C. Supported types and order of segments.

Operation	In/Out	Segments in order
Encryption	Input	npub, ad, data
Encryption	Output	data, tag
Decryption	Input	npub, ad, data, tag
Decryption	Output	data
Hashing	Input	data
Hashing	Output	data

D. Deviations from LWC Hardware API v1.1.0

1. Minimum compliance criteria.

No deviations from the minimum compliance criteria.

2. Interface

No deviations from the interface.

3. Protocol

No deviations from the protocol.

4. Timing

No deviations from the timing.