Dear all:
There is a problem with the reference implementation of Limdolen 256.

The Limdolen 256 specification states:
"The 256-bit input and key are split into two equal halves; Input = \{u, v\}, Key = \{k1, k2\} and each half is passed through a single round function of the 128-bit construct. At the end of each round, the output \{u', v'\} is processed by XORing u' into v' and replacing u' with v' such that the round function output is \{v', u'⊕v'\}" 

The reference implementation reuses the first 128 bits of the key for the second half of the input, so the last 128 bits of the key are ignored and never used.

Best regards
Miguel Montes
Thank you Miguel,
I have updated the Limdolen 256 reference code to correct this error and have also updated the test vector output file, both on Limdolen's code repo.

cem

Carl Mehner

On Sat, Apr 27, 2019 at 3:12 PM Miguel Montes <miguel.montes@gmail.com> wrote:
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