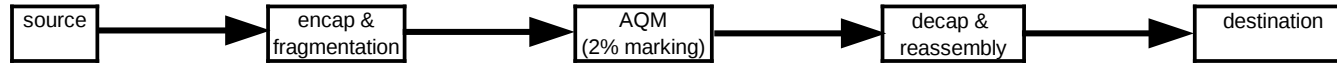


Illustrative Example of Issue with RFC3168 Fragment Reassembly

	F	N	F	N	F	N	F	N
Number of packets	100	100	200	100	200	100	100	100
Number of CE marks	0	0	0	0	4	2	3.96	2
Proportion of marked packets	0%	0%	0%	0%	2%	2%	3.96%	2%
							RFC3168	
Number of bytes	150000	148000	154000	150000	154000	150000	150000	148000
Number of CE bytes	0	0	0	0	3080	3000	5940	2960
Proportion of CE bytes	0%	0%	0%	0%	2%	2%	3.96%	2%

CE-mark packet if any fragment CE-marked



Number of packets
 Number of CE marks
 Proportion of marked packets
 Number of bytes
 Number of CE bytes
 Proportion of CE bytes

..... no different to RFC3168

Proposed

100	100
2.03	2
2.03%	2%
150000	148000
3040	2960
2.03%	2%

preserve CE-marked bytes (excluding outer headers) or preserve CE-marking probability

Legend
 * Flow type F (will be **F**ragmented), with 1500B packets (including one IP header) before tunnelling.
 * Flow type N (will **N**ot be fragmented), with 1480B packets (including one IP header) before tunnelling.
 In both cases, tunnel encap adds an extra 20B IPv4 header.
 The MTU of the tunnel ingress is assumed to be 1500B.
 Layer-2 headers are not counted.

The schamtic tracks 100 packets sent by each flow over the same duration in parallel along the same path.
 The metrics given are accurate to decimal fractions of packets, even tho that's obviously not possible.