

AQM: ECN transitions

tunnel decap: ECN

- RFC3168 & RFC8311
 - ECT(0) → CE
 - ECT(1) → CE
- RFC6040 added support for RFC6660
 - ECT(0) → ECT(1)
- Many encapsulations will still be pre-RFC6040
 - decap will revert any ECT(1) marking to ECT(0)

incoming inner	incoming outer			
	Not-ECT	ECT(0)	ECT(1)	CE
Not-ECT	Not-ECT	Not-ECT	Not-ECT	Not-ECT / drop
ECT(0)	ECT(0)	ECT(0)	ECT(0)	CE
ECT(1)	ECT(1)	ECT(1)	ECT(1)	CE
CE	CE	CE	CE	CE

Outgoing header (RFC4301 \ RFC3168)

incoming inner	incoming outer			
	Not-ECT	ECT(0)	ECT(1)	CE
Not-ECT	Not-ECT	Not-ECT	Not-ECT	drop
ECT(0)	ECT(0)	ECT(0)	ECT(1)	CE
ECT(1)	ECT(1)	ECT(1)	ECT(1)	CE
CE	CE	CE	CE	CE

Outgoing header (RFC6040)
(bold = change for all IP in IP)



