1

What would it take to change this bit?

Getting permission is enough

This bit is needed only sometimes:

- To distinguish IETF QUIC from Google QUIC

- To distinguish QUIC from real-time protocols

Many deployments don't care

What would it take to USE this bit?

Use without encryption

Grease it when no use is negotiated, otherwise...

Set the value based on desired semantic (e.g., RFC 3514)

Only act on the value once the semantic is known

Use with encryption

Grease it when no use is negotiated, otherwise...

Short header packets only

Extend header protection: 0x1f -> 0x5f

Both endpoints together or not at all

The draft

draft-thomson-quic-bit-grease-00

Defines use without encryption

A few interoperable implementations