

SCHC for DTLS

Mail from Robert Moskowitz

(put in slide from Alexander)

Bob's mail on the ML

I separate away for IPv6 compression.

I want mobility across multiple interfaces with different IPv6 rules and not tie in UDP header processing to multiple gateways. Consider a cargo UA:

Takes off from the Veriport using local Wifi.
transitions to cellular
continues to climb and switches to a low-throughput UHF.
Landing reverses this.

And it is that middle link where we really care about packet size (though saving on cellular data costs...).

So I am looking at UDP/DTLS/cipher/session or ESP/cipher/UDP/session.

Session = {Coap, MAVlink, other}

-> Ask for an **IP protocol number for SCHC?**

Need to define how that would work – SCHC-over-IP ?