DNS Service Binding Records with CoAP

draft-lenders-core-dnr
draft-lenders-core-coap-dtls-svcb
draft-ietf-core-transport-indication

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What happened so far?

**Original idea:** Discovery of DoC resolvers via DNS, DHCP(v6), and RAs

⇒ Service Binding (SVCB) records (RFCs 9460–9462) +

their SvcParams field (RFC 9463)
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**Problem:**
- De-facto only discovery for CoAP over TLS (via ALPN ID in RFC 8323) specified
- Missing: Different CoAP transport protocols, OSCORE/EDHOC, path for DoC
⇒ Path for DoC specified as `docpath` key in draft-ietf-core-dns-over-coap
⇒ draft-lenders-core-dnr-00 for the rest

**Result:**
Now DoC depends on a draft with new problems to solve + a bit messy
⇒ @ IETF 119: Split `co` allocation out of `-dnr`, cite that in DoC
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Ongoing work

draft-lenders-core-dnr-00
(current state)

Problem statement for DDR/DNR + OSCORE/EDHOC (GH #6)

draft-ietf-core-transport-indication-XX
coaptransportSvcParamKey for CoAP transports (GH #8)

draft-lenders-core-coap-dtls-svcb-00
(yet unpublished)

DTLS ALPN ID (GH #1)

CoAP request construction algorithm from SVCB (GH #2)

⇒ Reference draft-lenders-core-coap-dtls-svcb in -dns-over-coap wrt. docpath (and -transport-indication)
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There is no SVCB to HTTP request construction specified. Now only specifies "co" ALPN ID.
There is no SVCB to HTTP request construction specified. Now only specifies "co" ALPN ID.
There is no SVCB to HTTP request construction specified.

SVCB to CoAP request construction
There is no SVCB to HTTP request construction specified.

Now only specifies "co" ALPN ID.
The Minimum DoC Bundle

There is no SVCB to HTTP request construction specified

SVCB to CoAP request construction

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How should we proceed?