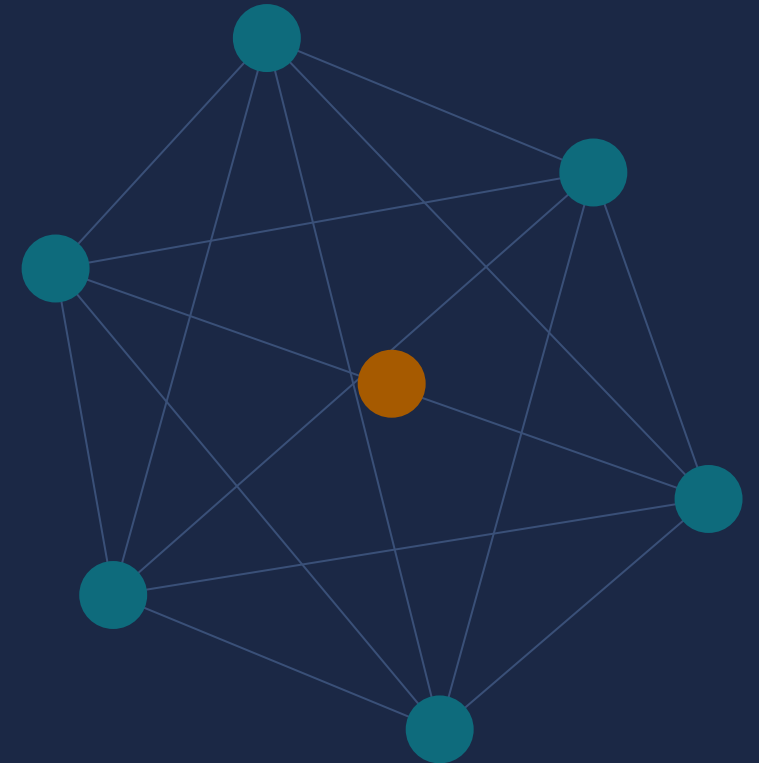




Connected Services Framework

Switching, owned by the industry

The open, free, peer-to-peer transport for UK business switching. No central hub, no per-message fees, and your customer identity stays yours.



Our intention

Keep the process common to all. Give CPs a real choice of transport beneath it.



Transport adds little beyond delivery and should never be a gatekeeper.

- **Protect the common process**
The GPLB process and best practices — which many of us helped shape — stay shared across all CPs and all transports.
- **One solution does not fit all**
CPs get a real choice of transport. CSF is one such choice, not the only one.
- **Ready today, for any payload**
Free and open source. It carries GPLB now, other protocols as we modernise, and CP-to-CP bilateral exchanges.

What CSF is

An open industry standard for exchanging industry messages directly — MAP to MAP

- **Direct exchange**

Communications Providers exchange industry messages peer-to-peer, MAP to MAP. No central intermediary meters, gates or charges the traffic.

- **Built on what the industry already runs**

The JAM envelope, RCPID identifiers, TLS 1.3, OAuth 2.0 and DKIM signing. It carries Switching for Business today, and any payload the industry adopts next.

- **Additive, not rip-and-replace**

CSF runs alongside TOTSCo, which participates as a Hub MAP. Adopting CSF adds a route; it does not remove one.

Standards CSF is built on

JAM

Message envelope

RCPID

Participant identifiers

TLS 1.3

Transport security

OAuth 2.0

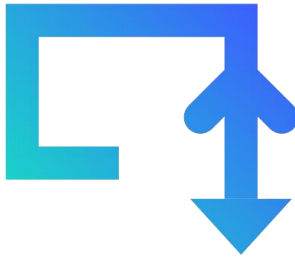
Authentication & authorisation

DKIM

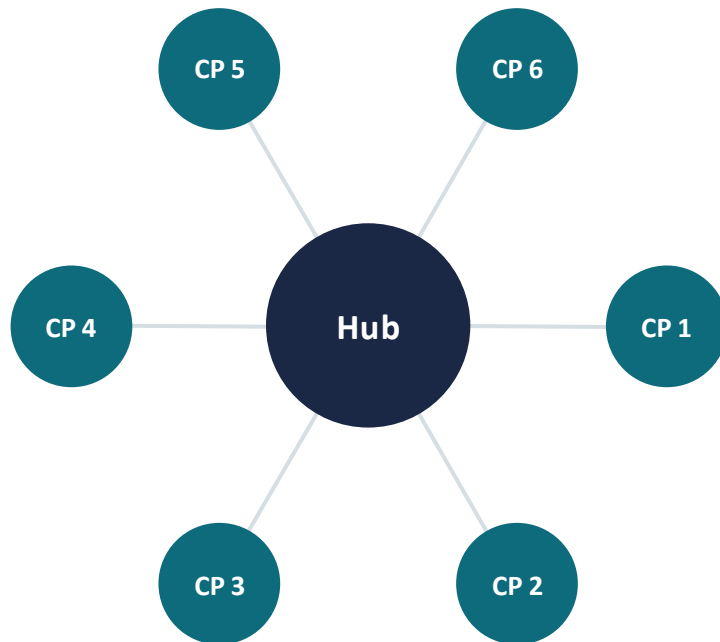
Message signing

Two topologies, one network

Today's traffic flows through a single hub. CSF lets participants also reach each other directly.

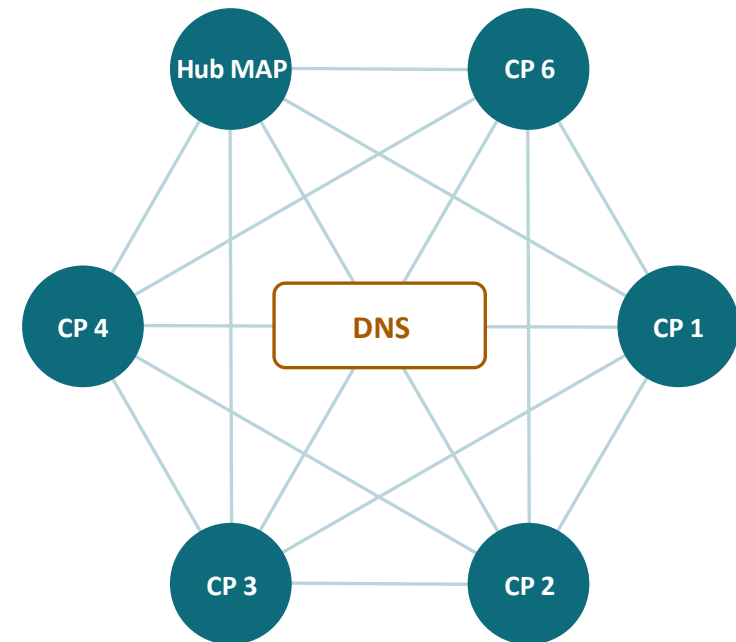


HUB AND SPOKE



Every message metered and gated by one central operator — a single point of dependency and cost.

CSF PEER-TO-PEER



Participants exchange directly over open standards, anchored by DNS records each CP controls. TOTSCo joins as a Hub MAP.

Why CPs join CSF



Keep the process common

Carries the same GPLB process and best-practice messages unchanged, interoperable with existing OTS/SforB tooling. Only the transport differs.



Free and open source

Open source for anyone to use, with zero per-transaction, routing or licensing fees between participants.



You own your identity

Your RCPID is yours for life and fully portable. Move between MAPs, or run your own, by changing a DNS record you control.



Real choice, no lock-in

Competing MAPs on equal terms, and any CP can operate as its own “MAP-of-1.” One solution does not fit all.



Resilient by design

A distributed, DNS-anchored network with no single point of failure. If one participant is down, the rest keep running.

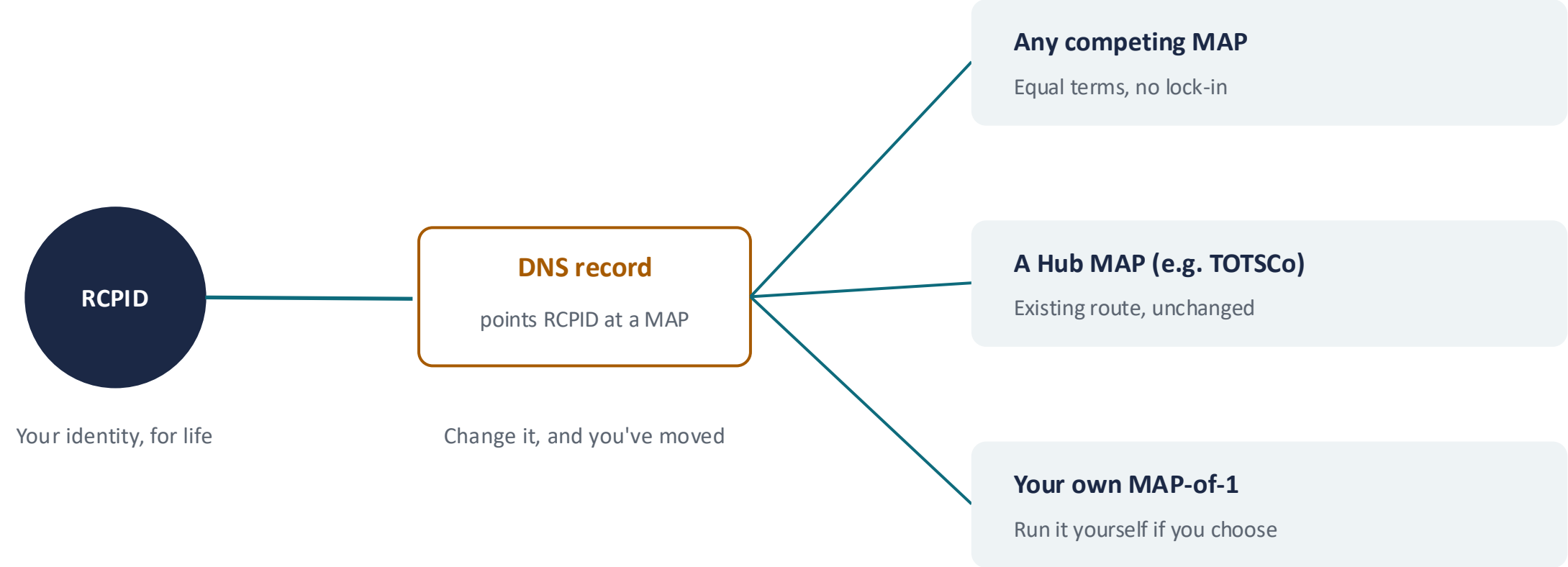


Any payload, any protocol

Ready today to carry whatever the industry adopts — GPLB now, CP-to-CP bilateral exchanges, or future processes as we modernise.

Your RCPID is yours

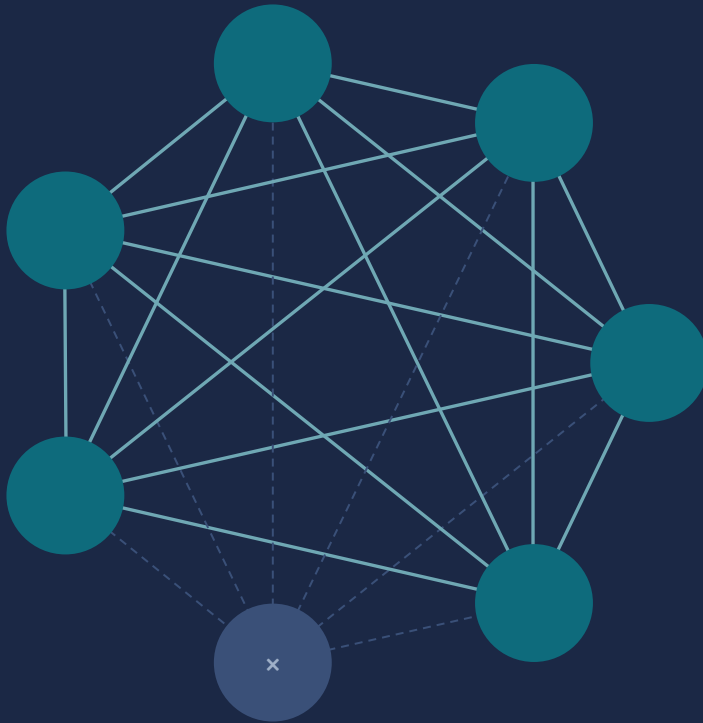
Portability is a DNS record you control — not a contract you renegotiate



Today, moving MAP means moving your identity. Under CSF, the RCPID stays with the CP, and the MAP behind it is a choice you can revisit at any time.

Resilient by design

A distributed, DNS-anchored network with no single point of failure



One participant offline — traffic keeps flowing between the rest



No single point of failure

There is no central component whose outage stops the industry switching.



Industry-grade availability

Each participant runs to the same standard; failures are contained to the participant that fails.



DNS-anchored discovery

Routing is resolved through DNS records participants already operate and control.

Proven standards, low barrier

Interoperable with existing OTS/SforB tooling today — extensible to future industry processes tomorrow

1

Already in place

JAM, RCPID, TLS 1.3, OAuth 2.0 and DKIM are what CPs and MAPs run now. There is nothing new to learn.



2

Adopt CSF

Publish a DNS record, expose a CSF endpoint on your existing MAP tooling, and exchange SforB messages directly with other participants.



3

Extend

The same transport carries future industry processes as they are defined — without a new hub or a new fee structure for each one.

Adopting CSF is additive. Existing Hub routes, contracts and tooling continue to operate unchanged.

Any payload, any protocol

One transport, ready today for whatever the industry adopts next

Now

GPLB / Switching for Business

The same GPLB process and best-practice messages, carried unchanged and interoperable with existing OTS/SforB tooling.

Today

CP-to-CP bilateral exchanges

Direct exchanges between two CPs, with no central hub, no routing fee and no third party in the path.

Next

Future processes as we modernise

Other protocols and industry processes as they are defined — without a new hub or a new fee structure for each one.

Adopting CSF is additive. Existing Hub routes, contracts and tooling continue to operate unchanged.

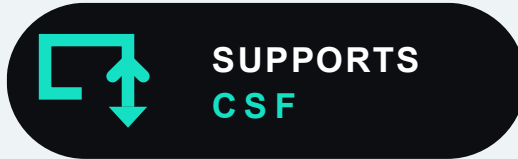
The ask of this Steering Group

Let's protect the shared GPLB process and best practices, and give CPs a real choice of transport beneath it.



Join the network

Bring your CP onto CSF alongside your existing Hub route — no rip-and-replace, no fees between participants.



Back CSF at the GPLB Steering Group

CSF puts control back with CPs and their customers: free, open source, and ready today. Built by the industry, for the industry.

Neither step removes anything a CP relies on today. TOTSCo continues to participate as a Hub MAP.



“

An open, free, peer-to-peer alternative that keeps switching cheap, resilient, and in the industry's hands.

 csf-uk.org/framework

