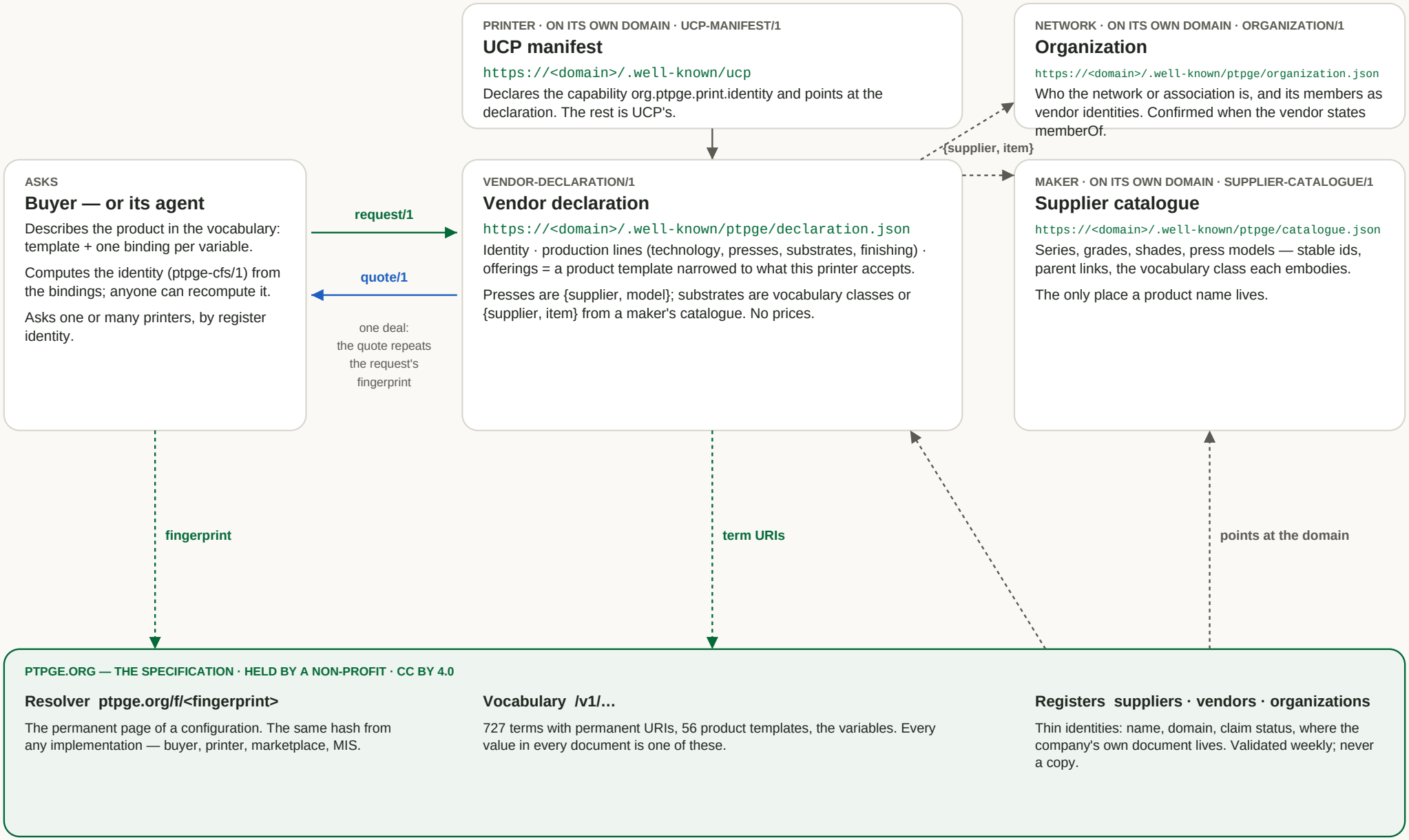
PTPGE

THE OPEN SPECIFICATION OF PRINT

The six documents

What an agent sends, what a printer answers, what a maker and a network publish — and where each file lives. Every value in them is a term URI; nothing is stored by ptpge.org.

PUBLIC BETA · 2026-11-23



PTPGE®

THE OPEN SPECIFICATION OF PRINT

Who writes what, where it lives, what is checked

PUBLIC BETA · 2026-11-23

All six schemas are published as JSON Schema (draft 2020-12) with one reference validator: shape → identity or fingerprint → every term URI against the vocabulary.

DOCUMENT	WRITTEN BY	LIVES AT	WHAT IT SAYS	VALIDATED
request/1	a buyer, or its agent	`sent to printers (has recipients)`	one configuration: product template + bindings on variable URIs → term URIs or numbers, surface-scoped where the variable is; the ptpge-cfs/1 fingerprint; quantity and alternatives; delivery; artwork hash-first	shape · fingerprint recomputed from the bindings · every term exists
quote/1	a printer, or its MIS	`sent to the buyer who asked`	the request's id and fingerprint repeated; the printer's register identity; price in one currency (total, unit, setup, VAT); alternatives at other run lengths; lead time; validity	shape · fingerprint = the request's · vendor identity
vendor-declaration/1	a printer, or its MIS	`https://<domain>/ .well-known/ptpge/ declaration.json`	identity; production lines — technology, presses {supplier, model}, substrates (class or catalogue item), colour modes, finishing, machines; offerings = template + per-variable values accepted. No prices.	shape · same domain · every term exists · weekly re-check from the register
supplier-catalogue/1	a maker of presses, substrates, inks	`https://<domain>/ .well-known/ptpge/ catalogue.json`	items with stable ids and parent links — series, grades, shades, models — each with the vocabulary class it embodies and, per variable, the terms the maker states. Product names live only here.	shape · same domain · unique ids · parents exist · every term exists
organization/1	a network, association or group	`https://<domain>/ .well-known/ptpge/ organization.json`	identity; kind of organization; its members as vendor identities. The organization's half of a membership — the vendor states the other half (memberOf). No capability, no offerings.	shape · same domain · weekly re-check · each member resolved against its own declaration
ucp-manifest/1	a storefront	`https://<domain>/ .well-known/ucp (UCP's own path)`	the capability org.ptpge.print.identity and a ptpge block: register identity, the declaration at its known path, vocabulary, resolver. Capability and offerings are not repeated here.	shape of the PTPGE parts · same domain · UCP content left open

THE RULES EVERY SCHEMA SETS

Term URIs, never labels. What a document says about products and options, it says with https://ptpge.org/v1/… — so two systems that never met agree on what was said.

Absence means none. A finish you do not ask for is not applied; the required axes (setup, format, orientation, colour) are what the specification asks about.

One identity. The fingerprint is computed from the bindings, not typed; a quote whose fingerprint differs from the request's is an offer for something else.

Documents belong to their owner. The printer's and the maker's files live on their own domains; the register points and validates, it never stores a copy. Company and product names are never terms.