PRODUCT CORE

Mother blueprint · a product division.

Vol: 21 | v0.1.3



49G Ltd.
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Product Core

Mother blueprint · a product division.

Release: Library · version v0.1.3, pinned by commit; no tag · status DRAFT, fixed test NOT_RUN: not yet run
Source: 49g-holding/49GAION-product-core · blueprint/PC-BLUEPRINT.md @ bd176bf
Precedence: 4 · Library part, DRAFT, NOT_RUN
Built: 31 October 2026 · by 49AIOC-OCO, from the Markdown at that commit; no word changed

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```
# ── Blueprint metadata (machine-readable; the panel generator and the back-office builder read this block) ──
blueprint:
  aioc: "[ORG]AIOC-PC"
  parent: "[ORG]AIOC-CH"                  # example code of the Charter; each organisation writes its own Charter's code (Standard §1.7, item 13)
  full_name: "Product Core"
  organisation: "<organisation>"          # filled in each organisation's own copy
  type: "structural"
  org_aion: "[ORG]AION"
  blueprint_version: "v0.1.3"
  status: "draft"
  template:
    name: "49GAION AIOC Blueprint Template"
    version: "v1.5.0, with the unreleased v1.6.0 additions on main"
    source: "github.com/49g-holding/49GAION-aioc, template/AIOC-BLUEPRINT-TEMPLATE.md @ 1abae80"
  mother:
    name: "49GAION Product Core"
    version: "part card v1 (DRAFT)"
    source: "github.com/49g-holding/49GAION-protocol, library/cards/product-core.part-card.json and the Protocol section Product Core (§18) @ db682c4. This text is its mother blueprint, in its mother repository github.com/49g-holding/49GAION-product-core (49GAION DR-0024)"
  writing_repository: "<org>aioc-pc"
  code_project: "none: Product Core writes no code (Protocol §18, item 6.4)"
  panel_register_id: "none yet"
  capabilities:
    standard: ["Chief of Staff", "Office", "Input socket", "Panel"]
    functional: ["Product Intake", "Portfolio and Categories", "Research and Opportunity", "PRD and Feature Packages", "Design", "Partnership in Build", "Launch", "Run", "Explainers and Supporting Documents", "Product Review, Refresh or Retire", "Shared Standards"]
```

Blueprint · [ORG]AIOC-PC · Product Core · v0.1.3

Draft, 16 October 2026. v0.1.1, 19 October 2026: the Chief of Staff takes its COS code [ORG]CELL-COSPC (decisions/DR-0002). The mother blueprint of the Library part 49GAION Product Core, for any organisation (49GAION/DR-0024; decisions/DR-0001). It sets the structure stated in the Protocol section Product Core (§18) and the part card product-core.part-card.json v1 into the form of the 49GAION AIOC template: its card, its positions, its Cells and Pods, and each capability in four parts. Every rule rests on a 49GAION text, cited by section, or is new in this blueprint and marked **New**. It holds no organisation's data: no product, no category, no price, no company. Each organisation fills its own copy (§0, §2.1). Nothing here has run. Every fixed test reads NOT_RUN.

Product Core in one page

Product Core is the organisation's one product division, shared by every company the organisation runs. It is to products what the organisation's engineering AIOC is to engineering (Protocol §18, item 1).

What it owns. The what and the why of every product, across the product's whole life: design, the partnership in build, and the run. The engineering AIOC owns the how and the when (item 2).

Its head office is the CPO Office. Every product owner reports to it. It holds the intake of product work, the portfolio of products and their categories, the shared standards, the weekly product review, and the line to the engineering AIOC. Its accountable seat is a human position, the Chief Product Officer (item 3).

One product, one team. Products are split small. Each product has one team for every stage of its life, and the team stays with it: one owner position whose only job is that product, and AI members by function (item 5). Each team goes, in order, through:

1. research and opportunity;
2. the PRD and its feature packages, with acceptance criteria;
3. design: flows, a screen for every state, copy in every language the product serves;

4. partnership in build: answers, first look, acceptance criterion by criterion; never code;
5. launch;
6. run: pricing and rates, performance and profit and loss, communications and retention, customer voice and complaints, operations;
7. explainers and supporting documents;
8. refresh or retire.

What it never does. It writes no code and no technical design, speaks to no builder and no code host, copies no product per company, records no capability as a product, and names no person. Rates are versioned data, never a code release (items 6 to 11).

Where this blueprint stands. No instance has run. The part card is DRAFT, with last_result NOT_RUN (Protocol §18, item 12). The product line to the engineering AIOC has no Library contract yet; Annex A gives its field lists, and a contract is drafted upstream (upstream/PROPOSALS.md, item 1). The decisions only a human seat can take are listed once, in §13.

Reading (49GAION DR-0041). The complete definition of 49GAION, approved by its governing seat on 25 October 2026, is 49GAION-FRAMEWORK.md in github.com/49g-holding/49GAION. Where this repository differs from it, the definition governs, and this text is read with it. Every rule here that names [ORG]AIOC-OCO or the human hub reads as the Top Management Group, the hub of the operation, human and AI. The panel is the organisation's own code interface, and the AI chat workspace is its back office. The readings are in decisions/DR-0004. Nothing here is removed.



Section 00

Identity and lineage

Product Core

Field	Value
Code	[ORG]AIOC-PC. Collision check (Naming Standard §5): the initials do not recreate AIOC, AION or 49GAION, and do not read as a version suffix. The code is the one Protocol §18 gives the Library part in an [ORG]AION. Each organisation records it in its register before its repository is created (Naming Standard R9)
Full name	Product Core
Description	"[ORG]AIOC-PC is <organisation>'s Product Core, built from 49GAION Product Core"
Kind	AIOC
Parent	<code of the Charter of this [ORG]AION>; the cards use the example code [ORG]AIOC-CH. A top-level AIOC: only the Charter has parent none (Standard §1.7, item 13). Like every other part, it enters through OCO (Protocol §18, item 1). A change of parent is the listed type change-parent
Inner units	[ORG]CELL-CPO, [ORG]CELL-COSPC, [ORG]POD-PCCO (the CPO Office), and one product team Pod per product, made from the pattern [ORG]POD-EPT (§17). No inner AIOC
HOAC label	[ORG]HOAC-ACS, held by its top Cell, the Chief Product Officer [ORG]CELL-CPO (label_holder)
Accountable to	<code of the Cell carrying [ORG]HOAC-TM>; the cards use the example code [ORG]CELL-TMS (Naming Standard R15). That Cell signs this AIOC's install, its change-parent and its restart-stopped-unit (Standard §5.3, item 4; §4.4, item 3)
Type	Structural: it is the organisation's product division (§16)
[ORG]AION	[ORG]AION, based on 49GAION Standard v1.5.0, with the unreleased v1.6.0 texts on main
Versioned Definition	this file; the Panel and the Back office are built from it
Organisation	<organisation>

Field	Value
Made from	the Library part 49GAION Product Core, part card v1 (DRAFT), and the Protocol section of the same name (§18), proposed on 15 October 2026
Template	49GAION AIOC Blueprint Template v1.5.0 at 1abae80, with the unreleased v1.6.0 additions
Mother	49GAION Product Core, part card v1. This text is its mother blueprint, held in the part's mother repository github.com/49g-holding/49GAION-product-core and pinned in the Library register (49GAION/DR-0024)
Blueprint version and status	v0.1.3 · draft
Accountable seat ([ORG]HOAC-ACS)	the Chief Product Officer position, [ORG]CELL-CPO. Who holds it is the organisation's own mechanism, outside the system (Standard §1.1, item 9; §5.2, Position Principle)
Reports to	the Cell carrying [ORG]HOAC-TM
Writing repository	<org>aioc-pc, private where it holds the organisation's products, categories and rates, plus -records for the AIOC's run records and -records-restricted for records that touch personal data (Naming Standard R9)
Code project	none: Product Core writes no code and no technical design (Protocol §18, item 6.4)
Panel	not yet built (§4.4)
Back office	not yet built
Attribution	Powered by 49GAION

Lineage. The part was stated by the governing seat of 49GAION on 15 October 2026 as the organisation's one product division (Protocol §18), from a first organisation's need for one home for the what and the why of every product, apart from engineering. This is its first blueprint. Its mother lives in its own public repository because the first instance's home holds that organisation's products and categories (49GAION/DR-0024).



Section 01

Card (49GAION Operating Protocol §3)

```
card:
  unit_kind: "AIOC"
  code: "[ORG]AIOC-PC"
  parent: "[ORG]AIOC-CH"                  # example code of the Charter, the root A
IOC; only it has parent none (Standard §1.7, item 13)
  inner_units: ["[ORG]CELL-CPO", "[ORG]CELL-COSPC", "[ORG]POD-PCCO", "[ORG]POD-EPT"
]
  type: "structural"
  org_aion: "[ORG]AION"
  card_version: "v0.1.3"
  input_door: "Chief of Staff"
  wake: { method: "queue", verified: false }
  receives:
    - kind: "product request"             # product direction and product requests,
 from the Requesting Authority's Cell and from a position of each company, through
the HU input port; references only
      format: "Work Item (ID + version) naming the requesting position, the company
 or market it is for, and what is asked; sources by reference"
      acceptance_test: "TEST-PC v1, cases 2, 14, 15"
      decision_needed: false
    - kind: "source reference"            # the organisation's sources (product doc
uments, terms, policies, data), from the output socket of [ORG]AIOC-SL
      format: "source reference (ID + version + hash; held or not held)"
      acceptance_test: "TEST-PC v1, cases 16, 22"
      decision_needed: false
    - kind: "product signal"              # performance, customer voice, complaints
 and support, from products in use, through the tool gateway
      format: "Work Item or record reference (ID + version)"
      acceptance_test: "TEST-PC v1, cases 31, 32"
      decision_needed: false
    - kind: "engineering request"         # a question, a first-look build or an ac
ceptance request from the engineering AIOC, on the product line
      format: "Work Item (ID + version) citing the product package (manifest hash)
and the criterion it concerns"
      acceptance_test: "TEST-PC v1, cases 11, 27, 28"
      decision_needed: false
```

```
    - kind: "rate record"                # the read-back of a rate written to the
rate and configuration store
      format: "versioned record (ID + version), read back"
      acceptance_test: "TEST-PC v1, case 8"
      decision_needed: false
  delivers:
    - kind: "product package"            # the PRD, feature packages with acceptan
ce criteria, designs for every state and copy in every language, on the product lin
e
      format: "frozen, content-addressed package (manifest + parts by hash; Annex A
)"
      usual_receivers: ["<code of the engineering AIOC>"]
    - kind: "answer or acceptance"
      format: "Work Item (ID + version): an answer to a question, a first-look note
, or an acceptance criterion by criterion"
      usual_receivers: ["<code of the engineering AIOC>"]
    - kind: "rate record"
      format: "versioned record (ID + version) with its effective date, its reason
and the record it replaces (Annex B)"
      usual_receivers: ["the rate and configuration store"]
    - kind: "explainer filing"
      format: "versioned document (explainer, questions and answers, help article,
user guide, partner material, internal training), filed into Source Lifecycle as a
source"
      usual_receivers: ["[ORG]AIOC-SL"]
    - kind: "product review outcome"
      format: "Work Item (ID + version): keep, fix, grow or retire, with its eviden
ce"
      usual_receivers: ["the Requesting Authority's Cell"]
  anatomy:
    panel: { health: { tests: true, metrics: ["stuck", "returned", "late", "product
s by stage", "packages refused by the auditor", "questions open from engineering",
"acceptances open", "rates changed", "rates reversed", "explainers missing", "revie
ws held"] } }
    back_office: { converses_with_humans: true, hosts: ["Chief of Staff", "Office"]
, protocol_traffic: true }
```

```
    definition: { location: "<org>aioc-pc, blueprint/PC-BLUEPRINT.md", version: "v0
.1.3" }
    delivery: { rollback: "one-click" }
    connectors:
      - { role: "the product line to the engineering AIOC", connector: "<engineerin
g AIOC> product line port", access_managed_in: "panel" }   # the grant is signed at
 the tool gateway as connect-external-port
      - { role: "source of record", connector: "[ORG]AIOC-SL output socket", access
_managed_in: "panel" }
      - { role: "rate and configuration store (versioned)", connector: "<store>", a
ccess_managed_in: "panel" }
      - { role: "product signals", connector: "<signal source>", access_managed_in:
 "panel" }
    gateway: { metering_id: "<per-AIOC metering id>" }
  full_name: "Product Core"
  version: "0.1.3"
  lineage: { id: "[ORG]AIOC-PC", version: "0.1.2", relation: "original" }
  lifecycle_state: "designed"
  blueprint_version: "v0.1.3"
  template_version: "v1.5.0"
  accountable_to: "[ORG]CELL-TMS"         # example code of the Cell carrying [ORG]
HOAC-TM (Naming Standard R15); never a Cell inside this AIOC
  top_cell: "[ORG]CELL-CPO"
  hoac: "[ORG]HOAC-ACS"
  label_holder: "[ORG]CELL-CPO"
  fixed_test: { id: "TEST-PC", version: "v1", owner: "[ORG]CELL-TMS" }
  skills:
    - { id: "pc-intake", name: "Product intake: the what and the why, apart from th
e how and the when", tags: ["product", "intake"] }
    - { id: "pc-portfolio", name: "The portfolio of products and their categories",
 tags: ["product", "portfolio"] }
    - { id: "pc-prd", name: "PRDs and feature packages with acceptance criteria", t
ags: ["product", "requirements"] }
    - { id: "pc-design", name: "Product design: flows, every state, copy in every l
anguage", tags: ["product", "design"] }
    - { id: "pc-build-partner", name: "Partnership in build: answers, first look, a
cceptance", tags: ["product", "build"] }
```

```
    - { id: "pc-run", name: "The run: rates as data, performance, customer voice",
tags: ["product", "run"] }

    - { id: "pc-explainers", name: "Explainers and supporting documents", tags: ["p
roduct", "documents"] }

    - { id: "pc-review", name: "The weekly product review; refresh or retire", tags
: ["product", "review"] }

  ports:

    - { unit: "[ORG]AIOC-PC", port: "ai-in", direction: "input", type: "AI", identi
fication: "technical-key", accepted_content: ["source reference", "product signal",
 "engineering request", "rate record"], authority_limit: "read only, within the sco
pes signed for each connection; requests on the product line only", audit_trail: "u
nit register; the serve logs of [ORG]AIOC-SL and of the engineering AIOC", required
_tests: ["TEST-PC v1"], enforcement: "shared-gateway-outside-unit" }

    - { unit: "[ORG]AIOC-PC", port: "ai-out", direction: "output", type: "AI", iden
tification: "technical-key", accepted_content: ["product package", "answer or accep
tance", "rate record", "explainer filing", "product review outcome"], authority_lim
it: "packages, answers and acceptances on the product line only; rate records signe
d by the product's owner position; filings of its own documents only; never code, t
echnical design or an instruction to a builder", audit_trail: "Work Item record and
 the unit register", required_tests: ["TEST-PC v1"], enforcement: "shared-gateway-o
utside-unit" }

    - { unit: "[ORG]AIOC-PC", port: "hu-in", direction: "input", type: "HU", identi
fication: "live-human-sign-in-at-gateway", accepted_content: ["product request from
 the Requesting Authority's Cell or a company's position (references only)", "a dec
ision of the Chief Product Officer or of a product owner position", "run control an
d configuration from the Chief Product Officer (never a source)"], authority_limit:
 "the signer's authority_scope; nothing received here is a source", audit_trail: "O
ffice record", required_tests: ["TEST-PC v1"], enforcement: "shared-gateway-outside
-unit" }

    - { unit: "[ORG]AIOC-PC", port: "hu-out", direction: "output", type: "HU", iden
tification: "live-human-sign-in-at-gateway", accepted_content: ["review brief to th
e Chief Product Officer", "decision rows to the owner positions", "product review o
utcome to the Requesting Authority's Cell"], authority_limit: "information and prop
osals only; never a decision, an instruction or a question about a person", audit_t
rail: "Office record", required_tests: ["TEST-PC v1"], enforcement: "shared-gateway
-outside-unit" }

    - { unit: "[ORG]AIOC-PC", port: "stop", direction: "input", type: "HU", identif
ication: "live-human-sign-in-at-gateway", accepted_content: ["stop"], authority_lim
it: "stop only", audit_trail: "unit register", required_tests: ["TEST-PC v1"], enfo
rcement: "shared-gateway-outside-unit", stop_door: true }

  configuration:                          # every slot is set by the organisation (
§15); an empty slot fails the joining test

    office_accountable_human: { value: "<set by the organisation>", set_by: "<posit
ion>", date: "<date>", version: "<vN>" }
```

```
    central_head: { value: "<the OCO of this [ORG]AION>", set_by: "<position>", dat
e: "<date>", version: "<vN>" }

    discussion_limits: { value: "<set by the organisation>", set_by: "<position>",
date: "<date>", version: "<vN>" }

    waiting_deadlines: { value: "<per status>", set_by: "<Cell carrying [ORG]HOAC-T
M>", date: "<date>", version: "<vN>" }

    bounce_limit: { value: "<number>", set_by: "<position>", date: "<date>", versio
n: "<vN>" }

    chain_depth: { value: "<number, at least 1>", set_by: "<position>", date: "<dat
e>", version: "<vN>" }

    halt_request_priority: { value: "immediate", set_by: "<position>", date: "<date
>", version: "<vN>" }

    budget_cap: { value: "<amount per period>", set_by: "<Cell carrying [ORG]HOAC-T
M>", date: "<date>", version: "<vN>" }

    unattended_action: "read-record-triage"

    requesting_authority_cell: { value: "<set by the organisation>", set_by: "<Cell
 carrying [ORG]HOAC-GOV>", date: "<date>", version: "<vN>" }

    engineering_aioc: { value: "<code of the organisation's engineering AIOC>", set
_by: "<Cell carrying [ORG]HOAC-TM>", date: "<date>", version: "<vN>" }

    categories_record: { value: "<reference to the organisation's own category reco
rd; never in the Library>", set_by: "[ORG]CELL-CPO", date: "<date>", version: "<vN>
" }

    review_day: { value: "<weekday of the weekly product review>", set_by: "[ORG]CE
LL-CPO", date: "<date>", version: "<vN>" }

    rate_signers: { value: "<per product: the owner position; and whether a rate ch
ange is also commit-money, with its limits (§13, H-03)>", set_by: "<Cell carrying [
ORG]HOAC-TM>", date: "<date>", version: "<vN>" }

    audit_families_min: { value: 2, set_by: "<position>", date: "<date>", version:
"<vN>" }
```

Joining the protocol. This AIOC joins only after every input and output on this card passes fixed samples (the joining test, Protocol §11, item 1; Standard §3.2, item 4). It also needs the engineering AIOC to accept product packages only on the product line and to send its questions, first looks and acceptance requests back on it, and Source Lifecycle to accept its documents as sources. Until then its lifecycle_state stays designed and no Work Item is routed to it. The cards of its Pods and Cells are set in §17 and generated into cards/.



Section 02

Organisation table and placement

2.1 Organisation table

The blueprint writes [ORG] for the organisation's prefix, as central texts do (Naming Standard R13); each organisation fills it in its own copy. Positions only; who holds each one is kept only in the private register copy (Standard §5.2, Position Principle; 49GAION/DR-0011).

Term in the blueprint	In <organisation>
The Top Office (decisions are signed by human Cells carrying HOAC labels)	<filled by the organisation>, the human hub
[ORG]AIOC-OCO	<filled>
The Charter of this [ORG]AION	<code>; the cards use the example code [ORG]AIOC-CH
The Cell carrying [ORG]HOAC-TM	<code>; the cards use the example code [ORG]CELL-TMS
The Requesting Authority: the seat that gives product direction and decides what the organisation offers	<code of the human Cell carrying [ORG]HOAC-GOV>, or of a human Cell whose authority_scope, delegated by that Cell under delegate-authority, covers product direction
The engineering AIOC: the part that owns the how and the when of building	<code>; the other end of the product line (Protocol §18, item 10)
The IT and infrastructure division	<filled> (the rate and configuration store's hosting, the tool gateway's hosting)
The builder of every tool	<filled>
The source of record	[ORG]AIOC-SL: every source this AIOC reads comes from its output socket, by reference; every explainer and supporting document is filed into it (Protocol §13)

Term in the blueprint	In <organisation>
The companies and markets the organisation's products are offered in	the organisation's own record, by reference; never in this file
The product categories	the organisation's own record (Protocol §18, item 4), by reference in slot categories_record (§15); never in the Library
The Library blueprint this core is made from	49GAION Product Core, part card v1 (DRAFT); Protocol §18; this text is its mother blueprint

2.2 Placement

- **Where it sits.** A top-level AIOC under the Charter, accountable to the Cell carrying [ORG]HOAC-TM, beside the engineering AIOC (Protocol §18, item 1).
- **Its role.** The organisation's one product division: it owns the what and the why of every product for the product's whole life (item 2).
- **Scope: does.** Product intake; the portfolio and its categories; research; PRDs and feature packages; design; partnership in build; launch; the run (rates as data, performance and profit and loss, communications and retention, customer voice and complaints, operations and upkeep); explainers and supporting documents; refresh or retire; the shared standards of the part (items 3 to 8).
- **Scope: does not.** Code, technical design, infrastructure, the build plan or its dates (the engineering AIOC); a contract, a legal filing or a money commitment (Human Floor seats); the organisation's own sources (Source Lifecycle); any instruction to a builder (item 10).
- **Companies it serves.** Every company the organisation runs, and every market it offers in. A product is made once and configured for each company and market, never copied (item 9).
- **Boundaries with other AIOCs.**
  - **The engineering AIOC** holds the how and the when. The only line between the two is the product line: complete product packages go out; questions,

first-look builds and acceptance requests come back. A finding in build that would change the product comes back as a question (item 10).

- **Source Lifecycle** holds every source. This AIOC reads sources by reference and files its own documents into it as sources; it keeps no second copy (Protocol §13).
- **The design stages** (Target Operating Model, Process and Position Design, Delivery and Implementation) design the organisation. Where a decided design places a capability or process in Product Core, this AIOC reads it by reference from Source Lifecycle; it never designs the organisation.

- **Overlap.** None by design. A product decision found elsewhere is returned to this AIOC; a how or when decision found here is returned to the engineering AIOC (TEST-PC v1, case 2).



Section 03

Positions

Every human position is a HOAC position, a legal persona; no natural person exists in the system (Standard §1.1, item 9; 49GAION/DR-0013, DR-0015). Two positions are two parties. Who holds a position, and how, is the organisation's own mechanism, outside the system, never in this file.

Position (standard title)	Purpose	Reports to	Run today by	Cover
Chief Product Officer ([ORG]CELL-CPO, [ORG]HOAC-ACS)	leads the CPO Office; accountable for every product and every product team; creates and retires product teams	the Cell carrying [ORG]HOAC-TM	a human position	the organisation's own mechanism, outside the system
Product owner, one per product (pattern [ORG]CELL-EPO, [ORG]HOAC-ACS)	the only job is one product, for its whole life; decides that product's what and why, its stage moves, its acceptance and its rates	the Chief Product Officer	a human position	the organisation's own mechanism, outside the system
Product Core Chief of Staff ([ORG]CELL-COSPC)	this AIOC's voice to its HOAC seats; the door of every input; holds the product line	the Chief Product Officer	an agent	the Chief Product Officer holds its work
The AI Cells of the CPO Office and of each product team (§17)	each performs one role card	the Chief Product Officer, or the team's product owner	an agent	its Pod's top Cell holds its work

One product, one owner (Protocol §18, item 5). An owner position holds no other product; a product has exactly one owner position. A product with no owner position, or an owner position named for two products, fails (TEST-PC v1, cases 5, 48).

Each position's role pack is carried in the role cards of the capabilities it performs (§4, §5).



Section 04

Standard capabilities

4.1 Office

Definition

Default (49GAION-aioc docs/STANDARD-CAPABILITIES.md §4.1) · form: single Chief of Staff. An Office is proposed to the Chief Product Officer when the queue exceeds the waiting deadlines for two review periods; it is never self-created.

Process (SOP)

Default.

Role card

Default; Performed by: an agent; Reports to: the Chief Product Officer.

Fixed test

TEST-PC v1, case 38 · result NOT_RUN

4.2 Chief of Staff

Definition

Default, with these additions. It is this AIOC's voice to its HOAC seats; input arrives only through the typed ports and the Input socket. It holds the product line: it sends only frozen packages that the Independent Package Auditor has passed, and it routes every question, first-look build and acceptance request from the engineering AIOC to the product's team. It writes no product content of its own.

Process (SOP)

Field	Content
Trigger	a Work Item at any input port; a stage's done-test result; the review day; a waiting deadline reached
Steps	1. CoS — read the item; record it; name its product, or open an intake record — intake record. 2. CoS — check the request's kind: a how or when matter goes back to the engineering AIOC with its reason (Protocol §18, item 2) — returned item. 3. CoS — dispatch to the product's team, or to the CPO Office — dispatch record. 4. CoS — on a package marked ready by the team, send it to the Independent Package Auditor — audit request. 5. CoS — on a passed audit and the owner's decision, freeze the package and send it on the product line — sent package with its manifest hash. 6. CoS — route each engineering request to the product's team; chase answers against the waiting deadline — routing record. 7. CoS — prepare the weekly review brief for the Chief Product Officer — review brief
States	received → dispatched → in team → ready → audited → decided → sent; returned; held (on a stop)
Failure and recovery	raise, never guess; two failures on the same step stop and go to the Chief Product Officer
Records	the Office record and the Work Item record, in -records
Cadence	continuous; the review brief weekly, on review_day
Measures	packages refused by the auditor — count per week — no target set; questions open past deadline — count — no target set

Role card

Field	Content
Name	Product Core Chief of Staff
Position and seat	[ORG]CELL-COSPC; its accountable [ORG]HOAC-ACS seat, the Chief Product Officer
Performed by	an agent (its bot identity card in cards/bots/)
Purpose	the door of every input, and the holder of the product line
Authority limits	alone: record, route, dispatch, send a passed and decided package, chase; needs the owner: anything that changes a product; never: decide, accept, sign, change a rate, write code
Write location	the Office record and the Work Item record
Reports to	the Chief Product Officer
Escalation	to the product's owner position for a product matter; to the Chief Product Officer otherwise
Tools and access	the product line, the Source Lifecycle output socket, the rate store read-back and the signal source, through the Panel; never credentials in instructions
Deputy and cover	the Chief Product Officer holds its work
Fixed test and score	TEST-PC-COSPC v1
Card version and status	v0.1.0 · draft

Fixed test

TEST-PC v1, case 37 (the default Chief of Staff test, (a) to (h)), and cases 1, 2, 11, 14 to 16, 25 to 27, 39, 41, 44, 45 · result NOT_RUN

4.3 Input socket

Definition

Default · this AIOC's standard format: a Work Item (ID + version) with its sources by reference. Converters: product request; source reference; product signal; engineering request; rate record read-back.

Process (SOP)

Default. Each converter checks the shape of its input and refuses with a reason: a product request with no requesting position; a source that does not come from Source Lifecycle's output socket; a signal with no product or no date; an engineering request that cites no package manifest hash; a rate read-back whose hash does not match the record written.

Role card

Default; Performed by: the Chief of Staff.

Fixed test

TEST-PC v1, case 39 (one good and one bad sample per converter) · result NOT_RUN

4.4 Panel

Definition

Default. The Panel shows, per product, its stage, its team, its open questions from engineering, its open acceptances, its rates and their history, and its explainers; and, for the CPO Office, the portfolio and the review outcomes.

Process (SOP)

Default.

Role card

Default.

Fixed test

TEST-PC v1, case 40 (the default Panel test) · result NOT_RUN



Section 05

Functional capabilities

5.0 The stages: input, output, done-test

The work of each product runs in the eight stages of Protocol §18, item 6, in order, carried by the product's one team. The CPO Office's capabilities (5.1, 5.2, 5.10, 5.11) run beside them. A product moves to the next stage only when the stage's done-test passes and its owner position decides the move; a skipped stage fails (TEST-PC v1, case 20).

ID	Stage	Run state	Gate	Exact input	Exact output	Done-test	Human decision
P1	Research and opportunity	researching	G1	the intake record; sources by reference	the research record (5.3)	every claim labelled sourced, inferred or not given; the opportunity, customer and evidence stated (case 19)	the owner position: go to P2, hold, or stop
P2	The PRD and its feature packages	specifying	G2	the research record; the shared templates	the PRD and feature packages (Annex A.2, A.3)	no blank field ("none" is an answer); every feature has acceptance criteria; passed by the Independent Package Auditor (cases 7, 21, 22)	the owner position: go to P3
P3	Design	designing	G3	the PRD; the design system	flows, a screen for every state, copy in every language the product serves (Annex A.4)	every state and every language present; deviations from the design system recorded (cases 23, 24)	the owner position: freeze the package and send it (P4)

ID	Stage	Run state	Gate	Exact input	Exact output	Done-test	Human decision
P4	Partnership in build	in build	G4	the frozen package; engineering requests on the product line	answers, first-look notes, acceptance criterion by criterion	every criterion accepted with its evidence, or the package revised as a new version (cases 25 to 28)	the owner position: accept each criterion
P5	Launch	launching	G5	the accepted build; the launch checks	the launch record	every launch check closed: package accepted, explainers filed, rates set, support ready (case 29)	the owner position: launch
P6	Run	running	— (continuous)	product signals; rate requests	rate records; performance and profit-and-loss records; communications; complaint routes	every signal recorded and routed; every rate a versioned record (cases 8, 30 to 32)	the owner position: each rate change
P7	Explainers and supporting documents	with P2 to P6	G7	the PRD, the design, the rates	the explainer set, filed into Source Lifecycle (Annex A.5)	every product has its explainers, versioned and filed, revised before a change launches (cases 13, 33)	the owner position: file

ID	Stage	Run state	Gate	Exact input	Exact output	Done-test	Human decision
P8	Refresh or retire	from a review outcome	G8	the review outcome	a new P1 to P3 cycle, or the retirement record	a refresh enters P1 as a new version; a retirement closes rates, explainers and the team (case 35)	the Chief Product Officer: retire, under retire-unit for the team

A product goes back from P4 to P2 or P3 only as a new package version, when a question from the engineering AIOC is answered by a change to the product (Protocol §18, item 10).

5.1 Product Intake Definition

Field	Content
Name	Product Intake
What it is	The CPO Office's intake of product work: product direction from the Requesting Authority and product requests from each company of the organisation, each recorded and routed to one product's team or opened as a product proposal
Purpose	Every product matter has one home, and nothing about the how or the when is decided here
Scope	does: record, classify (what or why; how or when), route, open a proposal; does not: decide a product, start a build, answer for engineering
Inputs	product requests (Work Items, references only) through the HU input port
Outputs	an intake record; a dispatch to a team; a proposal to the Chief Product Officer; a returned item to the engineering AIOC for a how or when matter
Limits	no raw idea goes to the engineering AIOC; nothing is routed to a person by name
Sources	Protocol §18, items 2, 3, 10; card product-core.part-card.json v1, inputs 1
Status	draft
Done when	the intake record is complete and the item is routed or returned (TEST-PC v1, cases 2, 14, 15)

Process (SOP)

Field	Content
Trigger	a product request at the HU input port
Steps	1. Product Intake Clerk — record the requesting position, the company or market, what is asked and why, its sources by reference — intake record. 2. Product Intake Clerk — classify: what or why (here), how or when (the engineering AIOC) — classification with its reason. 3. Chief of Staff — return a how or when matter to the engineering AIOC — returned item. 4. Portfolio Keeper — find the product in the portfolio; route to its team; or open a product proposal — dispatch, or proposal. 5. Chief Product Officer — decide a proposal: a new product (and its team, 5.2), part of an existing product, or no — decision
States	received → classified → routed / proposed / returned
Failure and recovery	a request with no requesting position is refused with its reason; an unclear request goes back to its sender as a question, never guessed
Records	the intake record, in -records
Cadence	continuous
Measures	intake records routed within the waiting deadline — share — no target set

Role card

Field	Content
Name	Product Intake Clerk
Position and seat	[ORG]CELL-PIC, in the CPO Office Pod; its accountable [ORG]HOAC-ACS seat, the Chief Product Officer
Performed by	an agent
Purpose	record and classify every product request
Authority limits	alone: record and classify; needs the owner: none; never: decide, route to a person by name, answer for engineering
Write location	the intake record
Reports to	the Chief of Staff
Escalation	to the Chief Product Officer
Tools and access	the Work Item queue, through the Panel
Deputy and cover	the Chief of Staff
Fixed test and score	TEST-PC-PIC v1
Card version and status	v0.1.0 · draft

Fixed test

TEST-PC v1, cases 2, 14, 15 · result NOT_RUN

5.2 Portfolio and Categories Definition

Field	Content
Name	Portfolio and Categories
What it is	The one register of the organisation's products: each product in exactly one category, each category of one of four kinds, each product with one owner position and one team, its stage, and the companies and markets it is configured for
Purpose	One product, one owner, one team, one category; no capability recorded as a product; no product copied per company
Scope	does: keep the register; check it; propose a new team for a new product; does not: decide which products the organisation has, or what each category holds
Inputs	decisions of the Chief Product Officer; stage moves from the teams; the organisation's category record, by reference (slot categories_record)
Outputs	the portfolio register (Annex C); the proposal for a new team (create-or-install-unit, signed by the Chief Product Officer)
Limits	the organisation's categories and products never appear in the Library or in this file (Protocol §18, item 4); a capability is never a product, even when it has a fee, a screen or a route
Sources	Protocol §18, items 4, 5, 9
Status	draft
Done when	every product row is complete and passes the register checks (TEST-PC v1, cases 4, 5, 10, 17, 18)

Process (SOP)

Field	Content
Trigger	a decision of the Chief Product Officer; a stage move; a configuration for a company or market
Steps	1. Portfolio Keeper — write the row: product, category, category kind, owner position, team, stage, configurations — register row. 2. Portfolio Keeper — check: one category; a kind among the four; one owner position holding no other product; not a capability; each company or market a configuration row, never a copy — check record. 3. Portfolio Keeper — on a new product, prepare the new team from the pattern [ORG]POD-EPT (§17), with its owner position — team proposal. 4. Chief Product Officer — sign create-or-install-unit for the team — signed event in the unit register
States	proposed → active → retired
Failure and recovery	a failed check holds the row and goes to the Chief Product Officer with its reason
Records	the portfolio register, in the writing repository of the instance; the unit register for teams
Cadence	on each event; checked in full before each weekly review
Measures	rows failing a check — count — target 0

Role card

Field	Content
Name	Portfolio Keeper
Position and seat	[ORG]CELL-PK, top Cell of the CPO Office Pod; its accountable seat, the Chief Product Officer
Performed by	an agent
Purpose	keep the one register of products and their categories
Authority limits	alone: write and check rows; needs the owner: a new product, a new team, a change of owner position, a retirement; never: sign, decide a category's content
Write location	the portfolio register
Reports to	the Chief of Staff
Escalation	to the Chief Product Officer
Tools and access	the portfolio register and the unit register (read), through the Panel
Deputy and cover	the Chief of Staff
Fixed test and score	TEST-PC-PK v1
Card version and status	v0.1.0 · draft

Fixed test

TEST-PC v1, cases 4, 5, 10, 17, 18 · result NOT_RUN

5.3 Research and Opportunity Definition

Field	Content
Name	Research and Opportunity
What it is	The first stage of a product: who the customer is, what they need, what the opportunity is, and what the evidence says
Purpose	A product starts from evidence, never from an invented figure
Scope	does: research from sources by reference and from product signals; state the opportunity; does not: set a price or a target of its own
Inputs	the intake record; sources from Source Lifecycle, by reference; product signals
Outputs	the research record (Annex A.1)
Limits	every claim is labelled sourced (with its reference), inferred (with its basis) or not given; no figure is invented
Sources	Protocol §18, item 6.1
Status	draft
Done when	gate G1: the research record passes its done-test and the owner position decides (TEST-PC v1, case 19)

Process (SOP)

Field	Content
Trigger	a routed intake record; a refresh outcome (P8)
Steps	1. Product Analyst — gather the sources and signals, by reference — evidence list. 2. Product Manager — write the research record: the customer, the need, the opportunity, the alternatives, the risks, each claim labelled — research record. 3. Product owner — decide: go to P2, hold, or stop — decision
States	researching → decided
Failure and recovery	a source not held is asked for through Source Lifecycle; the claim reads not given until it is
Records	the product's folder, in the writing repository of the instance
Cadence	per product
Measures	claims not given at the decision — count — no target set

Role card

Field	Content
Name	Product Manager (research) and Product Analyst
Position and seat	[ORG]CELL-EPM and [ORG]CELL-EPA in the product's team; its accountable seat, the product's owner position
Performed by	agents
Purpose	the research record of one product
Authority limits	alone: research and write; needs the owner: the stage move; never: invent a figure, decide
Write location	the product's folder
Reports to	the product's owner position
Escalation	to the Chief Product Officer
Tools and access	the Source Lifecycle output socket; the signal source, through the Panel
Deputy and cover	the team's other agents hold its work
Fixed test and score	TEST-PC-EPM v1, TEST-PC-EPA v1
Card version and status	v0.1.0 · draft

Fixed test

TEST-PC v1, cases 19, 20 · result NOT_RUN

5.4 PRD and Feature Packages

Definition

Field	Content
Name	PRD and Feature Packages
What it is	The product's requirements document and its feature packages, each feature with acceptance criteria
Purpose	Engineering receives only complete product work
Scope	does: write the PRD and feature packages from the research record and the shared templates; does not: write code, technical design, an architecture, a schedule or an estimate
Inputs	the research record; the document templates (5.11); sources by reference
Outputs	the PRD and feature packages (Annex A.2, A.3)
Limits	no field is left blank; "none" is an answer; every feature has acceptance criteria; every requirement claim cites its source or is marked **New**; an output that writes code or technical design fails
Sources	Protocol §18, item 6.2
Status	draft
Done when	gate G2: the Independent Package Auditor passes the PRD and every feature package, and the owner position decides (TEST-PC v1, cases 7, 21, 22)

Process (SOP)

Field	Content
Trigger	the owner's decision at G1
Steps	1. Product Manager — write the PRD and the feature packages on the shared templates — drafts. 2. Pricing and Economics Analyst — write the product economics section — section draft. 3. Independent Package Auditor — check completeness, acceptance criteria, citations, and that nothing is code or technical design — audit record. 4. Product owner — decide — decision
States	specifying → audited → decided; refused (back to step 1, with the audit record)
Failure and recovery	a refused package goes back with every failing field named; two refusals of the same field go to the owner position
Records	the product's folder
Cadence	per product version
Measures	packages refused at first audit — share — no target set

Role card

Field	Content
Name	Product Manager (PRD)
Position and seat	[ORG]CELL-EPM; its accountable seat, the product's owner position
Performed by	an agent
Purpose	the PRD and feature packages of one product
Authority limits	alone: write; needs the owner: the stage move; never: write code or technical design, audit its own package
Write location	the product's folder
Reports to	the product's owner position
Escalation	to the Chief Product Officer
Tools and access	the document templates; the Source Lifecycle output socket, through the Panel
Deputy and cover	the team's other agents hold its work
Fixed test and score	TEST-PC-EPM v1
Card version and status	v0.1.0 · draft

The Independent Package Auditor ([ORG]CELL-IPA, in the CPO Office Pod) is bound to an engine of a different family from the writer's where the engine register allows (slot audit_families_min); an audit run on the writer's own engine binding stops the package (TEST-PC v1, case 21).

Fixed test

TEST-PC v1, cases 7, 21, 22 · result NOT_RUN

5.5 Design Definition

Field	Content
Name	Design
What it is	The product's flows, a screen for every state, its UI and UX, and its copy in every language the product serves
Purpose	Engineering builds what is designed, never what it has to guess
Scope	does: flows, screens, states, copy, on the shared design system; does not: technical design, components in code
Inputs	the decided PRD and feature packages; the design system (5.11); the languages the product serves, from the PRD
Outputs	the design part of the package (Annex A.4)
Limits	every screen has every state listed in Annex A.4; copy exists in every language the product serves, right to left included where one is served; a deviation from the design system is recorded with its reason
Sources	Protocol §18, items 6.3, 8
Status	draft
Done when	gate G3: every state and language present and the owner position decides to freeze and send (TEST-PC v1, cases 23, 24)

Process (SOP)

Field	Content
Trigger	the owner's decision at G2
Steps	1. Product Designer — draw the flows and every screen in every state — design draft. 2. Product Designer — write the copy in every language served — copy set. 3. Independent Package Auditor — check states, languages and design-system use — audit record. 4. Product owner — decide: freeze the package — decision; the Chief of Staff freezes it (Annex A.1)
States	designing → audited → frozen
Failure and recovery	a missing state or language goes back with its name; a design-system gap goes to the Standards Keeper as a request, never a local fix
Records	the product's folder
Cadence	per product version
Measures	states missing at first audit — count — target 0

Role card

Field	Content
Name	Product Designer
Position and seat	[ORG]CELL-EPD; its accountable seat, the product's owner position
Performed by	an agent
Purpose	the design of one product
Authority limits	alone: design and write copy; needs the owner: the freeze; never: technical design, change the design system
Write location	the product's folder
Reports to	the product's owner position
Escalation	to the Chief Product Officer
Tools and access	the design system and the design tool, through the Panel
Deputy and cover	the team's other agents hold its work
Fixed test and score	TEST-PC-EPD v1
Card version and status	v0.1.0 · draft

Fixed test

TEST-PC v1, cases 23, 24 · result NOT_RUN

5.6 Partnership in Build Definition

Field	Content
Name	Partnership in Build
What it is	The team's part while the engineering AIOC builds: it answers questions, takes the first look, and accepts the product criterion by criterion, all on the product line
Purpose	The product is built as decided, and every change to it is decided here
Scope	does: answer, look, accept; does not: write code or technical design, set the build plan or its dates, speak to a builder or the code host
Inputs	engineering requests on the product line, each citing the package manifest hash and the criterion
Outputs	answers, first-look notes and acceptances (Work Items) on the product line; a new package version where an answer changes the product
Limits	product work reaches the engineering AIOC only as complete packages on the product line; a finding in build that would change the product comes back as a question; acceptance is the owner position's, under live sign-in, one criterion at a time with its evidence
Sources	Protocol §18, items 6.4, 10
Status	draft
Done when	gate G4: every acceptance criterion of the package accepted with its evidence (TEST-PC v1, cases 11, 25 to 28)

Process (SOP)

Field	Content
Trigger	an engineering request on the product line
Steps	1. Chief of Staff — check that it cites a sent package by manifest hash; route it to the team — routing record. 2. Product Manager — draft the answer from the package; if the answer changes the product, draft a new package version (back to P2 or P3) — answer draft, or version draft. 3. Product owner — decide the answer — decision; the Chief of Staff sends it. 4. Product Manager and Product Designer — on a first-look build, compare it with the package, criterion by criterion — first-look note (never an acceptance). 5. Product owner — on an acceptance request, accept or refuse each criterion with its evidence — acceptance record
States	asked → answered; first look → noted; acceptance asked → accepted / refused per criterion
Failure and recovery	a request that cites no package is returned; an unanswered request past the waiting deadline is raised to the owner position, never closed
Records	the Work Item record; the product's folder
Cadence	continuous while in build
Measures	questions answered within the deadline — share — no target set

Role card

Field	Content
Name	Product owner (acceptance) and Product Manager (answers)
Position and seat	[ORG]CELL-EPO and [ORG]CELL-EPM; the owner position is a HOAC position, accountable to the Chief Product Officer
Performed by	the owner position: a human position, who holds it being the organisation's own mechanism, outside the system; the Product Manager: an agent
Purpose	answers and acceptance for one product
Authority limits	the owner position alone: decide answers, accept criteria; the agent alone: draft; never: accept by an AI, speak to a builder
Write location	the Work Item record
Reports to	the Chief Product Officer
Escalation	to the Chief Product Officer
Tools and access	the product line, through the Panel
Deputy and cover	the organisation's own mechanism, outside the system; while the position has no credential in force, its matters go up the accountability path (49GAION/DR-0049, DR-0052)
Fixed test and score	TEST-PC-EPO v1, TEST-PC-EPM v1
Card version and status	v0.1.0 · draft

Fixed test

TEST-PC v1, cases 11, 25 to 28 · result NOT_RUN

5.7 Launch Definition

Field	Content
Name	Launch
What it is	The decided start of the product, or of a new version, for its companies and markets
Purpose	Nothing launches with an open check
Scope	does: the launch checks and the launch record; does not: deploy (the engineering AIOC)
Inputs	the accepted build; the explainer set; the rate records; support readiness
Outputs	the launch record (Annex A.6)
Limits	every launch check is closed before the decision: package accepted, explainers filed, rates set, support ready, configuration per company and market set
Sources	Protocol §18, item 6.5
Status	draft
Done when	gate G5: every check closed and the owner position decides (TEST-PC v1, case 29)

Process (SOP)

Field	Content
Trigger	every criterion accepted at G4
Steps	1. Product Manager — fill the launch checks, each with its evidence — launch record draft. 2. Product owner — decide the launch — decision. 3. Chief of Staff — send the launch decision to the engineering AIOC on the product line — Work Item
States	launching → launched
Failure and recovery	an open check holds the launch; it is never closed by assertion
Records	the product's folder
Cadence	per launch
Measures	launches held for an open check — count — no target set

Role card

Field	Content
Name	Product Manager (launch)
Position and seat	[ORG]CELL-EPM; its accountable seat, the product's owner position
Performed by	an agent
Purpose	the launch record of one product
Authority limits	alone: fill checks; needs the owner: the launch; never: launch
Write location	the product's folder
Reports to	the product's owner position
Escalation	to the Chief Product Officer
Tools and access	through the Panel
Deputy and cover	the team's other agents
Fixed test and score	TEST-PC-EPM v1
Card version and status	v0.1.0 · draft

Fixed test

TEST-PC v1, case 29 · result NOT_RUN

5.8 Run Definition

Field	Content
Name	Run
What it is	The product's life in use: pricing and every rate that moves over time; performance and the product's profit and loss; customer communications and retention; customer voice and complaints; operations and upkeep
Purpose	The team that made the product keeps it, and every rate is data the team changes without a code release
Scope	does: rates as versioned data; performance and profit-and-loss records from source records; communications; routing of complaints; upkeep requests; does not: set a money commitment of its own; change code
Inputs	product signals; rate requests; sources by reference
Outputs	rate records (Annex B); performance and profit-and-loss records; communications; complaint routes; upkeep requests on the product line
Limits	every price, fee and rate is a versioned record with an effective date, a reason and the record it replaces; it is changed without a code release; every change can be reversed, by a new record that restores the earlier value; whether a new rate reaches existing deals follows the product's own terms, cited; no figure is invented
Sources	Protocol §18, items 6.6, 7
Status	draft
Done when	each rate record reads back with its hash; every signal is recorded against its product and routed (TEST-PC v1, cases 8, 30 to 32)

Process (SOP)

Field	Content
Trigger	a product signal; a rate request; the review day
Steps	1. Operations and Customer Voice Agent — record each signal against its product, with its source and date; route a complaint on the organisation's complaints path — signal record, complaint route. 2. Pricing and Economics Analyst — draft a rate change: the new value, its effective date, its reason, the record it replaces, the terms that say whether existing deals take it — rate draft. 3. Product owner — decide the rate change under live sign-in (and commit-money where the organisation sets it, slot rate_signers) — decision. 4. Chief of Staff — write the rate record to the store and read it back — rate record with its hash. 5. Product Analyst — compute performance and the profit and loss from source records only; a missing input reads not given — performance record
States	rate: drafted → decided → written → read back; reversed (by a new record)
Failure and recovery	a read-back whose hash differs holds the rate and goes to the owner position; a rate changed by a code release is raised as a failure (case 8)
Records	the rate and configuration store; the product's folder
Cadence	continuous; performance weekly, before the review
Measures	rates reversed — count per period — no target set; complaints acknowledged within the organisation's deadline — share — no target set

Role card

Field	Content
Name	Pricing and Economics Analyst; Operations and Customer Voice Agent
Position and seat	[ORG]CELL-EPEA, [ORG]CELL-EOCVA; their accountable seat, the product's owner position
Performed by	agents
Purpose	rates as data, and the voice of the product's customers
Authority limits	alone: draft, record, route; needs the owner: every rate change; never: write a rate without the owner's decision, answer a complaint with a promise no position has made
Write location	the product's folder; the rate store only through the Chief of Staff
Reports to	the product's owner position
Escalation	to the Chief Product Officer
Tools and access	the rate store (read), the signal source, through the Panel
Deputy and cover	the team's other agents
Fixed test and score	TEST-PC-EPEA v1, TEST-PC-EOCVA v1
Card version and status	v0.1.0 · draft

Fixed test

TEST-PC v1, cases 8, 30 to 32 · result NOT_RUN

5.9 Explainers and Supporting Documents Definition

Field	Content
Name	Explainers and Supporting Documents
What it is	The product's explainer and its questions and answers, help articles and user guides, partner materials and internal training, written with the product and filed into Source Lifecycle as sources
Purpose	Every product can be explained from one valid version of each document
Scope	does: write, version and file; does not: publish outside the organisation on its own (the organisation's publication path)
Inputs	the PRD, the design, the rates, the launch record
Outputs	the explainer set (Annex A.5), filed into Source Lifecycle
Limits	a product with no explainers fails; a change that launches revises its explainers first; customer-facing text goes through the organisation's own review of public text before it is seen outside
Sources	Protocol §18, item 6.7; Protocol §13
Status	draft
Done when	gate G7: every document of the set is versioned and filed, and reads back from Source Lifecycle (TEST-PC v1, cases 13, 33)

Process (SOP)

Field	Content
Trigger	the owner's decision at G2; every change to the product
Steps	1. Documentation Writer — write each document of the set on the shared templates — drafts. 2. Product owner — approve each for filing — decision. 3. Chief of Staff — file each into Source Lifecycle, the owner position as the contributor — filing receipt
States	drafting → approved → filed
Failure and recovery	a filing refused by Source Lifecycle goes back with its reason
Records	Source Lifecycle; the product's folder (by reference)
Cadence	per product version
Measures	products with a missing document — count — target 0

Role card

Field	Content
Name	Documentation Writer
Position and seat	[ORG]CELL-EDW; its accountable seat, the product's owner position
Performed by	an agent
Purpose	the explainer set of one product
Authority limits	alone: write; needs the owner: filing; never: publish outside the organisation
Write location	the product's folder; Source Lifecycle only through the Chief of Staff
Reports to	the product's owner position
Escalation	to the Chief Product Officer
Tools and access	the document templates; Source Lifecycle's intake, through the Panel
Deputy and cover	the team's other agents
Fixed test and score	TEST-PC-EDW v1
Card version and status	v0.1.0 · draft

Fixed test

TEST-PC v1, cases 13, 33 · result NOT_RUN

5.10 Product Review, Refresh or Retire Definition

Field	Content
Name	Product Review, Refresh or Retire
What it is	The CPO Office's weekly product review, with an outcome for each product (keep, fix, grow or retire), and the refresh or retirement that follows
Purpose	Every product is looked at every week, from its evidence
Scope	does: the review brief, the outcomes, the refresh or retirement; does not: decide for a product owner what the product's content is
Inputs	each product's stage, performance record, signals, open questions and rates
Outputs	the review record; product review outcomes; a refresh (back to P1) or a retirement record (Annex A.7)
Limits	an outcome cites its evidence; a retirement closes the product's rates, withdraws its explainers in Source Lifecycle, sends its customer communications, and retires its team under retire-unit
Sources	Protocol §18, items 3, 6.8; card outputs 5
Status	draft
Done when	gate G8: every product has an outcome at the review; a retirement record has every closing step done (TEST-PC v1, cases 34, 35)

Process (SOP)

Field	Content
Trigger	review_day
Steps	1. Product Review Secretary — prepare the brief, one row per product, from its records — review brief. 2. Chief Product Officer, with each owner position — decide each outcome — review record. 3. Chief of Staff — send each outcome to the Requesting Authority's Cell — Work Item. 4. On a retirement: the team closes rates, withdraws explainers, sends communications; the Chief Product Officer signs retire-unit for the team — retirement record
States	briefed → reviewed; retirement: deciding → closing → retired
Failure and recovery	a product with no outcome for two reviews is raised to the Chief Product Officer
Records	the review record, in -records
Cadence	weekly
Measures	products with no outcome — count — target 0

Role card

Field	Content
Name	Product Review Secretary
Position and seat	[ORG]CELL-PRS, in the CPO Office Pod; its accountable seat, the Chief Product Officer
Performed by	an agent
Purpose	the weekly review brief and record
Authority limits	alone: prepare and record; needs the owner: every outcome; never: decide an outcome
Write location	the review record
Reports to	the Chief of Staff
Escalation	to the Chief Product Officer
Tools and access	the portfolio register and each product's records (read), through the Panel
Deputy and cover	the Chief of Staff
Fixed test and score	TEST-PC-PRS v1
Card version and status	v0.1.0 · draft

Fixed test

TEST-PC v1, cases 34, 35 · result NOT_RUN

5.11 Shared Standards Definition

Field	Content
Name	Shared Standards
What it is	The standards the CPO Office keeps once, for every team: the design system, the pricing models, the measurement tools and the document templates
Purpose	Shared standards, not shared work
Scope	does: keep, version and improve the standards on the teams' requests; does not: any product's own work
Inputs	requests from the teams; decisions of the Chief Product Officer
Outputs	versioned standards; notices of each new version to every team
Limits	a standard does no product's own work (Protocol §18, item 8); every team uses the current version, or records why not
Sources	Protocol §18, item 8
Status	draft
Done when	each new version is decided, versioned and noticed to every team (TEST-PC v1, cases 9, 24, 36)

Process (SOP)

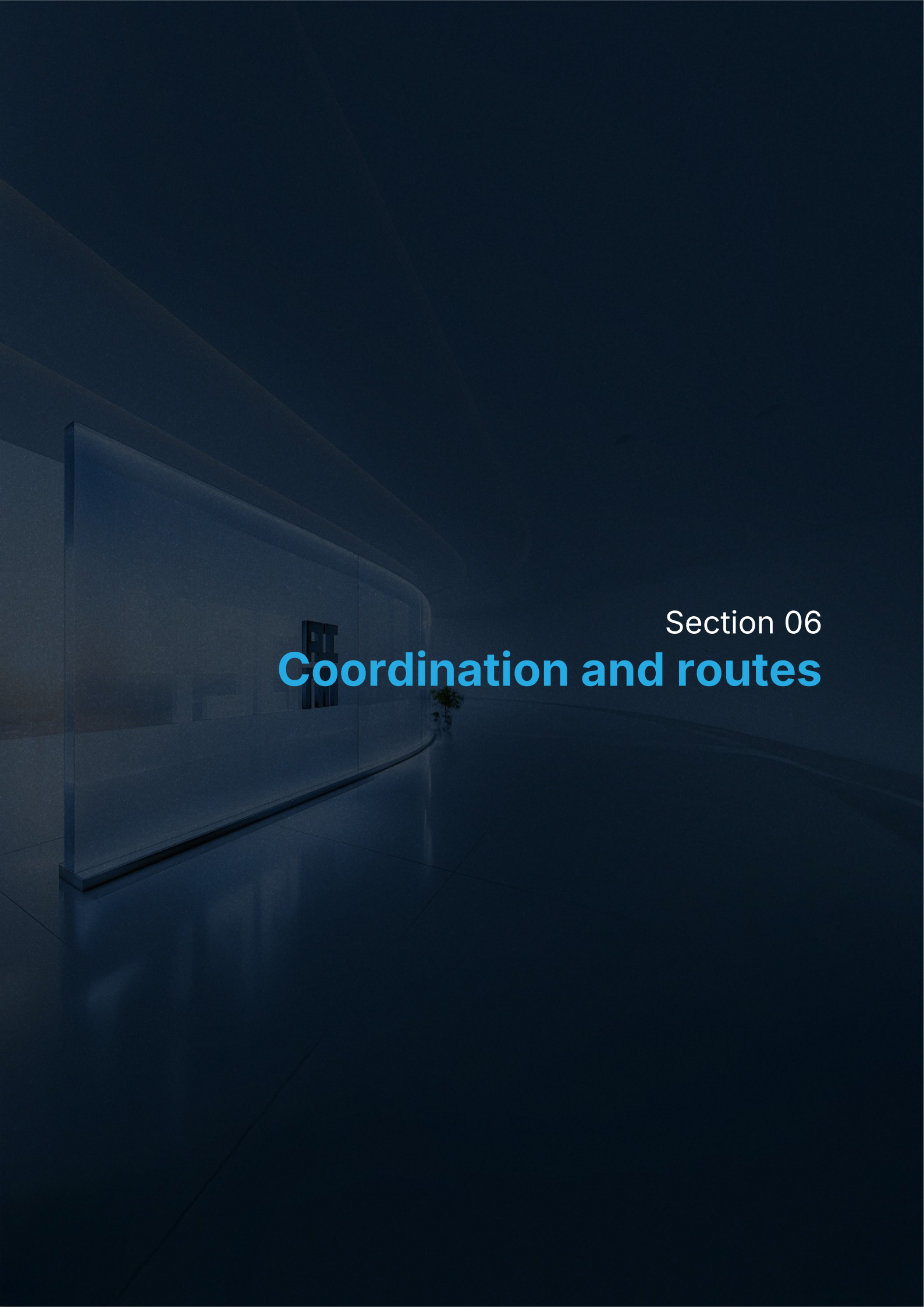
Field	Content
Trigger	a request from a team; a review finding
Steps	1. Standards Keeper — draft the change to the standard — draft. 2. Chief Product Officer — decide — decision. 3. Standards Keeper — publish the new version to every team — notice
States	requested → drafted → decided → published
Failure and recovery	a request that is a product's own work goes back to its team
Records	the standards, in the writing repository of the instance
Cadence	on request
Measures	teams on an old version — count — no target set

Role card

Field	Content
Name	Standards Keeper
Position and seat	[ORG]CELL-SK, in the CPO Office Pod; its accountable seat, the Chief Product Officer
Performed by	an agent
Purpose	the shared standards of the part
Authority limits	alone: draft and publish a decided version; needs the owner: every change; never: do a product's own work
Write location	the standards
Reports to	the Chief of Staff
Escalation	to the Chief Product Officer
Tools and access	through the Panel
Deputy and cover	the Chief of Staff
Fixed test and score	TEST-PC-SK v1
Card version and status	v0.1.0 · draft

Fixed test

TEST-PC v1, cases 9, 24, 36 · result NOT_RUN



Section 06

Coordination and routes

- **Whom it works with.** The engineering AIOC, on the product line only; Source Lifecycle, through its output socket and its intake; the Requesting Authority's Cell and each company's positions, through the HU ports; the organisation's signal sources and its rate and configuration store, through the tool gateway. Always through the 49GAION Operating Protocol: one Work Item per hand-off, this AIOC's Chief of Staff as its door.
- **Routing rows this AIOC contributes.** A product request → [ORG]AIOC-PC. A how or when matter found here → the engineering AIOC. A product finding found in build → back to [ORG]AIOC-PC as a question. A product document → [ORG]AIOC-SL as a source.
- **Requests and objections.** Owners do not design or change this AIOC's AIs: every proposal, correction or critique is a design-proposal Work Item to OCO; where they disagree, the Chief Product Officer may hold the objection open until it reaches the HOAC seat accountable for OCO, which decides.



Section 07

Records and where things live

Record	Home	Source rule
This blueprint, its decisions, its tests and its cards	the instance's writing repository <org>aioc-pc; the mother in github.com/49g-holding/49GAION-product-core	one home for each thing
The portfolio register, the categories, each product's folder (research, PRD, design, run records, decisions), the shared standards	the instance's writing repository <org>aioc-pc, private	one home; never in the Library
Rates and configuration	the rate and configuration store (versioned)	the store is the one home; the product's folder cites it
Explainers and supporting documents	Source Lifecycle, as sources	one valid version each (Protocol §13)
Run records (intake, Office, review)	<org>aioc-pc-records; personal data only in -records-restricted	Naming Standard R9
Work Items	the shared queue	Protocol §2
Code that runs	the engineering AIOC's code project; never here	Protocol §18, item 10



Section 08

Tools and the shared AI gateway

Tool	Existing shared tool, or new	If new: asked of the builder as
The product line	new: a typed port between this AIOC and the engineering AIOC, at the tool gateway	a port under connect-external-port, with the package contract (Annex A; upstream/PROPOSALS.md, item 1)
Rate and configuration store	new or existing, per organisation: versioned records, effective dates, read-back, reversal	a store that keeps every version and its reason
Design tool	existing, per organisation	a connector, recorded by role
Source Lifecycle	existing Library part	its output socket and its intake

All model calls go through the tool gateway of the [ORG]AION. Each tool is reached through a swappable connector, recorded by role; access is granted and withdrawn in the Panel. This AIOC's AI usage is metered separately; its budget cap is set in §15.

Tool role	Connector	Access managed in	Part card version
the product line to the engineering AIOC	<engineering AIOC> product line port	Panel	v1
source of record (the output socket of Source Lifecycle)	[ORG]AIOC-SL output socket	Panel	v1
rate and configuration store (versioned)	<store>	Panel	v1
tool gateway (signatures, metering, the stop door)	the [ORG]AION's gateway	Panel	v1

Mechanism register. A row is never deleted.

ID	Mechanism	What it does	Where it lives	Today	Target
M-01	Portfolio register	one row per product: category, kind, owner position, team, stage, configurations	instance writing repository	decided, not built	build
M-02	Package freeze	content-addresses a package: manifest and parts by hash	the Chief of Staff's code step	decided, not built	build
M-03	Package audit	completeness, criteria, citations, no code	the Independent Package Auditor	decided, not built	build
M-04	Rate records	versioned rates with effective date, reason, replaces; read-back; reversal	the rate and configuration store	decided, not built	build
M-05	Signal record	every signal against its product, with source and date	-records	decided, not built	build
M-06	Weekly review	the brief and the outcomes	-records	decided, not built	build

Reserve.

ID	Idea	Why held	Reconsider when
R-01	A Library contract for the product package	no second part reads it yet; Annex A gives the field lists	the engineering AIOC's mother asks for it (upstream/PROPOSALS.md, item 1)
R-02	An origin kind in Source Lifecycle for product documents	the documents enter as ordinary sources from the owner position	Source Lifecycle needs to tell them apart (upstream/PROPOSALS.md, item 2)



Section 09

Fixed tests: index, triggers and scores

Product Core

Capability	Test ID and version	Evidence level	Last run	Result
Office	TEST-PC v1, case 38	MEASURED	—	NOT_RUN
Chief of Staff	TEST-PC v1, case 37	MEASURED	—	NOT_RUN
Input socket	TEST-PC v1, case 39	MEASURED	—	NOT_RUN
Panel	TEST-PC v1, case 40	MEASURED	—	NOT_RUN
Product Intake	TEST-PC v1, cases 2, 14, 15	MEASURED	—	NOT_RUN
Portfolio and Categories	TEST-PC v1, cases 4, 5, 10, 17, 18	MEASURED	—	NOT_RUN
Research and Opportunity	TEST-PC v1, cases 19, 20	MEASURED	—	NOT_RUN
PRD and Feature Packages	TEST-PC v1, cases 7, 21, 22	MEASURED	—	NOT_RUN
Design	TEST-PC v1, cases 23, 24	MEASURED	—	NOT_RUN
Partnership in Build	TEST-PC v1, cases 11, 25 to 28	MEASURED	—	NOT_RUN
Launch	TEST-PC v1, case 29	MEASURED	—	NOT_RUN
Run	TEST-PC v1, cases 8, 30 to 32	MEASURED	—	NOT_RUN
Explainers and Supporting Documents	TEST-PC v1, cases 13, 33	MEASURED	—	NOT_RUN
Product Review, Refresh or Retire	TEST-PC v1, cases 34, 35	MEASURED	—	NOT_RUN
Shared Standards	TEST-PC v1, cases 9, 24, 36	MEASURED	—	NOT_RUN
The whole AIOC	TEST-PC v1, cases 1 to 48 (tests/TEST-PC.md)	MEASURED	—	NOT_RUN

- **Re-run triggers:** any change to a model, instructions, this AIOC's card, this blueprint, Protocol §18, a shared standard, a tool or its access, or the product line's contract.
- **The Library's cases.** TEST-PC v1 keeps the Library's TEST-PRODUCT-CORE v1, cases 1 to 13, unchanged, as its own cases 1 to 13 (tests/TEST-PC.md). No case is weakened.
- **Complete** only when every capability's test has a visible result. NOT_RUN is never PASS.

Checks that are not fixed tests.

Check	Placement	Budget per item	Degradation order	Blocks only for
Package completeness (the Independent Package Auditor)	on the verdict record, before the owner's decision	one audit per package version	none: it always runs	a blank field, a feature with no criteria, code or technical design
Rate read-back	after completion of the write	one read per record	none	a hash that differs

- **Discriminating evidence.** A passing check counts only if it has been shown able to fail on the case it guards; evidence is written by the runner, never by the worker.



Section 10

Build: what is generated from this file

Built thing	Generated from	Recorded where
Panel profile	§0, §1, §3, §4.4, §5 role cards	the panel profile names this file's commit
Back office	§4.2 role card and SOP; §4–§5 definitions and SOPs	the back office records the commit it was built from
Card in the protocol AIOC's map	§1	the protocol AIOC's register links this file
Unit cards and bot identity cards	§17 card data	cards/, by tools/make_cards.py
Panel Health section	§9 results; stuck, returned and late Work Items	the Panel

Delivery path: definition change → tests → Panel and Back office update → one-click rollback to the previous commit.



Section 11

Exceptions

- **Office.** A single Chief of Staff; an Office only when proposed and approved (§4.1).
- **Product teams are made from a pattern.** §17 sets one product team, named Example, as the pattern. An instance makes one team per product from it, named by the product, each a Pod created under create-or-install-unit and checked against its register before first use (Naming Standard §5, R15). The pattern itself is never created as a team.
- **No code project.** Product Core writes no code (Protocol §18, item 6.4).



Section 12

Lessons and proposals to the mother

One dated line per lesson, each written without an organisation's details. Nothing is proposed upstream without the word of the governing seat of 49GAION; the drafts are in upstream/PROPOSALS.md.

1. 2026-10-16 · The product line has no Library contract; every organisation would invent its own package shape. Annex A gives the field lists; a contract is drafted (upstream/PROPOSALS.md, item 1). Test case 25 checks the freeze.



Section 13

For the [ORG]HOAC-ACS seat, and every decision only a human seat can take

ID	Decision	Who decides	Until decided
H-01	Who holds the Chief Product Officer position and each owner position, and how	the organisation's own mechanism, outside the system; this AIOC never sees it (Standard §1.1, item 9)	acts that need the position's signature wait
H-02	The organisation's products and categories (its own record, slot categories_record)	the Chief Product Officer, under the Requesting Authority's direction	no product team is created
H-03	**Money.** Whether a rate change is also a money commitment (commit-money), its limits per product, and who signs it (slot rate_signers)	the Cell carrying [ORG]HOAC-TM, with the Requesting Authority	every rate change is signed by the owner position only, and none above the limits the organisation has set elsewhere is written
H-04	**Legal.** Each product's terms, including whether a new rate reaches existing deals; review of customer-facing explainers before they are seen outside	the position the organisation names for legal review	no launch with open terms (case 29)
H-05	**People.** The owner position of each new product (create-or-install-unit, change-filler)	the Chief Product Officer	the product has no team
H-06	The engineering AIOC's code and the product line's grant (connect-external-port)	the Cell carrying [ORG]HOAC-TM	no package is sent
H-07	Approve this blueprint v0.1.3, with the exceptions of §11, as the design of [ORG]AIOC-PC	the human hub	it stays a draft; nothing is installed

ID	Decision	Who decides	Until decided
H-08	The complaints path of the organisation, which the Run capability routes into	the position the organisation names	complaints are recorded and held



Section 14

Change log

Product Core

Blueprint version	Date	Change	Template version	Commit
v0.1.0	2026-10-16	First blueprint of [ORG]AIOC-PC, the mother blueprint of 49GAION Product Core, from the Protocol section Product Core (§18) and the part card v1; TEST-PC v1 (48 cases, NOT_RUN), keeping TEST-PRODUCT-CORE v1 cases 1 to 13 unchanged; the CPO Office and the product team pattern; the field lists of the package, the rate record and the portfolio register (decisions/DR-0001; 49GAION/DR-0024)	v1.5.0 at 1abae80	this repository, pull request #1
v0.1.1	2026-10-19	The Chief of Staff takes its COS code: [ORG]CELL-PCCS → [ORG]CELL-COSPC (Naming Standard R16, 49GAION/DR-0028; decisions/DR-0002). The old code is retired and kept in the card's lineage; the part test is renamed; nothing else changes	v1.5.0 at 1abae80	this repository's pull request for this version
v0.1.2	2026-10-29	Released on the governing seat's word (decisions/DR-0006): it carries the records since v0.1.1, decisions/DR-0004, decisions/DR-0005; positions only (49GAION/DR-0048, DR-0049). Every card takes v0.1.2; the Protocol pin moves to the Operating Protocol v2.1.0. No other rule changes.		
v0.1.3	2026-10-29	Corrections under 49GAION/DR-0052 (decisions/DR-0007): deputy and cover are the organisation's own mechanism; the generator's origin names the mother repository. Every card takes v0.1.3. The Protocol pin moves to the Operating Protocol v2.2.0. No rule of this part is added or dropped.		



Section 15

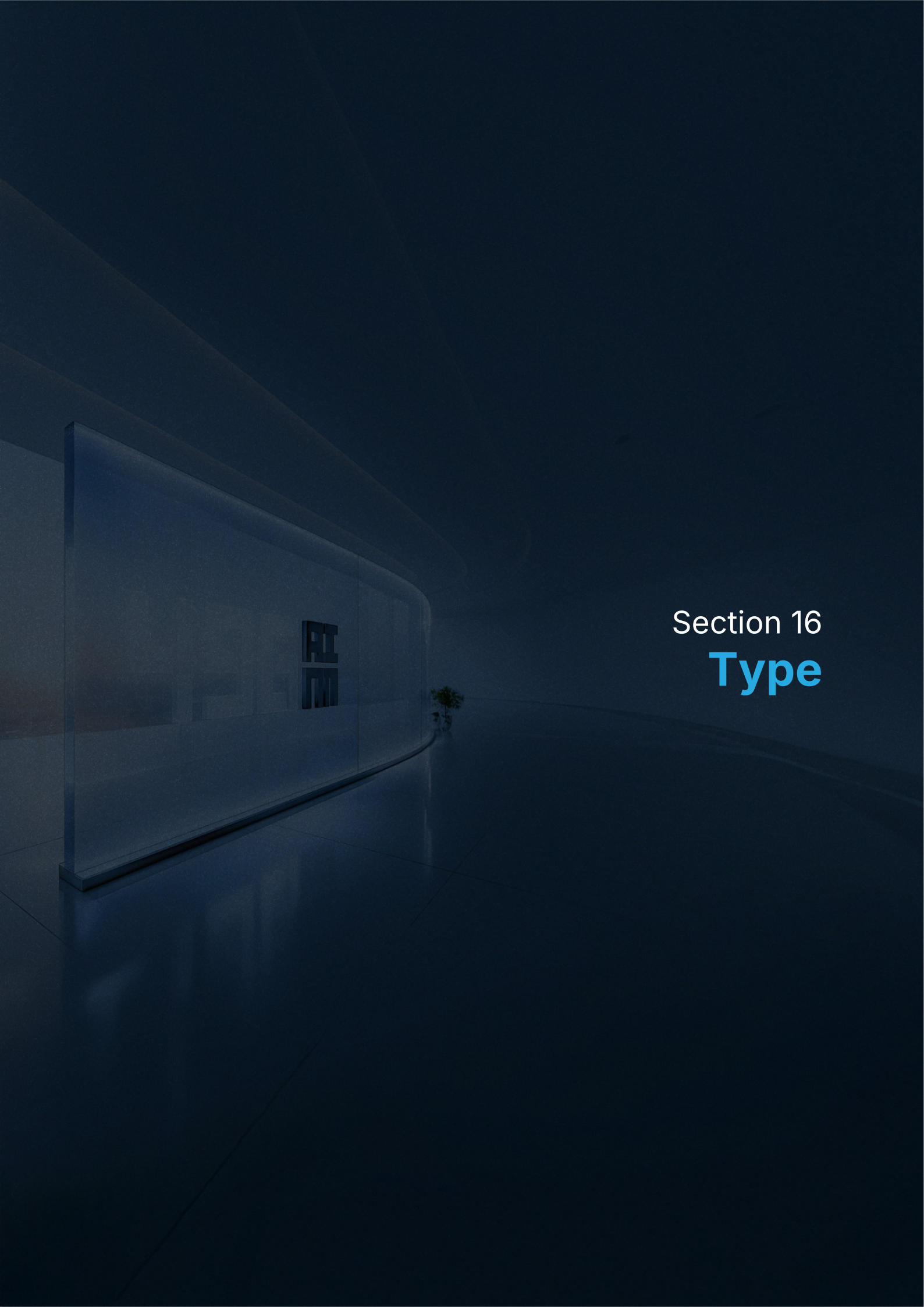
Configuration

Every slot is filled by the organisation; an AIOC with any empty slot does not pass the joining test (Protocol §11). Each value records who set it, when, and in which version.

Slot	Value	Default offered by 49GAION	Set by	Date	Version	Replaces
HOAC seat accountable for OCO		none: must be set				
OCO of this [ORG]AION	<code of [ORG]AIOC-OCO>	none: must be set				
Discussion limits		none: must be set				
Waiting deadlines (per status)		none: must be set				
Bounce limit		none: must be set				
Chain depth		none: must be set				
Halt-request priority		immediate				
Budget cap		none: must be set				
Unattended action		read-record-triage				
Final authority	the [ORG]HOAC-GOV position	none: must be set				
The Requesting Authority (requesting_authority_cell)		none: must be set				
The engineering AIOC (engineering_aioc)		none: must be set				
The category record (categories_record), by reference		none: must be set				
Review day (review_day)		none: must be set				
Rate signers (rate_signers), per product, and whether a rate change is also commit-money		the owner position; commit-money not set				

Product Core

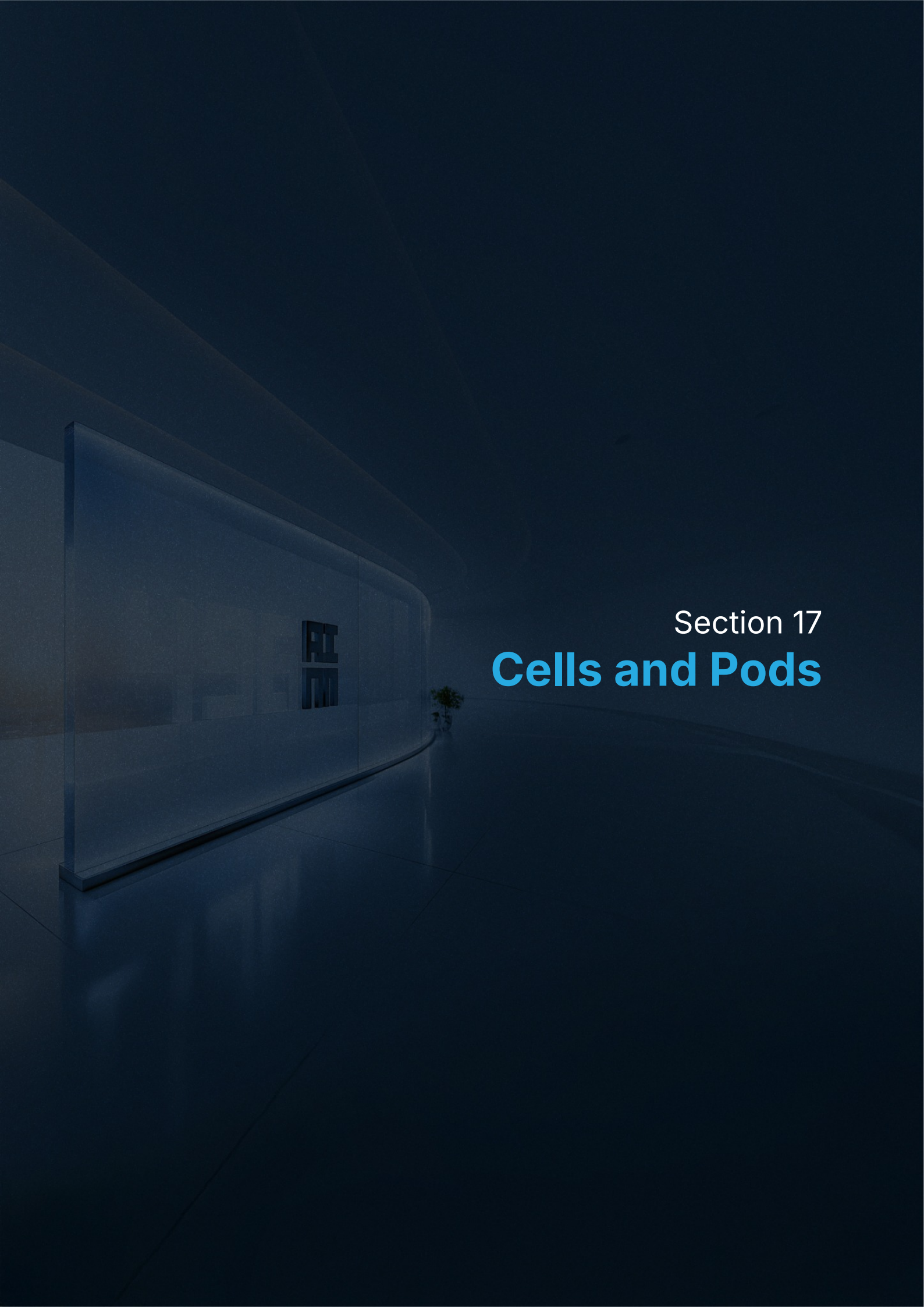
Slot	Value	Default offered by 49GAION	Set by	Date	Version	Replaces
Audit engine families (audit_families_min)		2				
Sensitivity classes of this AIOC's work and the default filler kind of each		none: must be set				
Delegation ladder of each Chief of Staff		only prepares, for every class				
Stuck-item thresholds per status		none: must be set				
Loop breaker		3 runs in 2 hours				



Section 16

Type

- **Type:** Structural, as in §0.
- **Why this AIOC exists in this organisation:** <organisation> has one product division, shared by every company it runs, so that every product has one home for its what and its why.
- **Type-specific test:** TEST-PC v1, cases 1 to 13 · result NOT_RUN.



Section 17

Cells and Pods

The parts inside this AIOC (docs/CELLS-AND-PODS.md of 49GAION-aioc). The role and nature of this AIOC are read from the type of its top Cell, the Chief Product Officer. Every field that points to a human takes a position code only.

Code	Kind	Type	Filler kind	HOAC label	Parent	Fixed test (owner)	External ports
[ORG]CELL-CPO	CELL	Human Seat	human	[ORG]HOAC-ACS	[ORG]AIOC-PC	TEST-PC-CPO v1 (the Cell carrying [ORG]HOAC-TM)	none
[ORG]CELL-COSPC	CELL	AI Chief of Staff	ai	none	[ORG]AIOC-PC	TEST-PC-COSPC v1 ([ORG]CELL-CPO)	eng-out, eng-in, sl-in, sl-out, rates-out, rates-in, signals-in
[ORG]POD-PCCO	POD	AI Pod	—	none	[ORG]AIOC-PC	TEST-PC-PCCO v1 ([ORG]CELL-CPO)	—
[ORG]CELL-PIC, -PK, -SK, -PRS, -IPA	CELL	AI Agent	ai	none	[ORG]POD-PCCO	TEST-PC-PIC v1 … TEST-PC-IPA v1 ([ORG]CELL-CPO)	none
[ORG]POD-EPT (pattern)	POD	Product Team	—	[ORG]HOAC-ACS	[ORG]AIOC-PC	TEST-PC-EPT v1 ([ORG]CELL-CPO)	—
[ORG]CELL-EPO (pattern)	CELL	Human Seat	human	[ORG]HOAC-ACS	[ORG]POD-EPT	TEST-PC-EPO v1 ([ORG]CELL-CPO)	none
[ORG]CELL-EPM, -EPD, -EPA, -EPEA, -EOCVA, -EDW (pattern)	CELL	AI Agent	ai	none	[ORG]POD-EPT	TEST-PC-EPM v1 … TEST-PC-EDW v1 ([ORG]CELL-EPO)	none

The product team pattern (Protocol §18, item 5). [ORG]POD-EPT and its Cells are the pattern for one product's team, named here for a product called Example. An instance makes one Pod per product from it: the product's name

replaces Example in every full name, and every code is the initials of its full name (Naming Standard R15), checked against the organisation's register before first use (§5). One owner position, human, with its HOAC label; six AI members by function: product management and the PRD, design, analysis, pricing and product economics, operations and customer voice, documentation. The team stays with its product for every stage.

The card data (the blueprint governs). tools/make_cards.py expands the block below into the complete unit cards and bot identity cards, writes them into cards/, and checks them against the schemas of 49GAION-protocol, Naming Standard R15 and R16, and this blueprint.

```
parts:
  defaults:
    accountable_to: "[ORG]CELL-CPO"
    card_version: "v0.1.3"
    version: "0.1.3"
    lifecycle_state: "designed"
    test_version: "v1"
    test_owner: "[ORG]CELL-CPO"
    accountable_human: "[ORG]HOAC-ACS (the Chief Product Officer, [ORG]CELL-CPO)"
    audit_trail: "the run record of [ORG]AIOC-PC"
    hu_in: ["run control and configuration from the Chief Product Officer (never a
source)"]
    hu_out: ["report to the Chief Product Officer"]
  cells:
    - code: "[ORG]CELL-CPO"
      full_name: "Chief Product Officer"
      parent: "[ORG]AIOC-PC"
      type: "Human Seat"
      filler_kind: "human"
      hoac: "[ORG]HOAC-ACS"
      accountable_to: "[ORG]CELL-TMS"       # example code of the Cell carrying [OR
G]HOAC-TM
      entity: "<entity>"
      authority_scope:
```

```
        decision_types: ["create-or-install-unit", "retire-unit", "change-filler",
"delegate-authority", "change-fixed-test-or-threshold", "restart-stopped-unit"]
        entity: "<entity>"
        expires: "2027-10-15"               # placeholder; each organisation sets
it
        authority: "delegated"
      test: { id: "TEST-PC-CPO", cases: "3, 18, 34, 35, 42, 43", owner: "[ORG]CELL-
TMS" }
      ai_in: ["review brief", "product proposals", "decision rows"]
      ai_out: ["run control and configuration"]
      hu_in: ["direction from the Cell carrying [ORG]HOAC-TM", "product direction f
rom the Requesting Authority's Cell"]
      hu_out: ["decisions under live sign-in", "report to the Cell carrying [ORG]HO
AC-TM"]
    - code: "[ORG]CELL-COSPC"
      code_rule: "R16"                    # 49GAION/DR-0028; replaces [ORG]CELL-PC
CS (retired, R5)
      lineage: { id: "[ORG]CELL-PCCS", version: "0.1.0", relation: "derived" }
      full_name: "Product Core Chief of Staff"
      role: "Chief of Staff"
      parent: "[ORG]AIOC-PC"
      type: "AI Chief of Staff"
      filler_kind: "ai"
      cell_kind: "chief-of-staff-cell"
      test: { id: "TEST-PC-COSPC", cases: "1, 2, 11, 14-16, 25-27, 37, 39, 41, 44,
45" }
      ai_in: ["source reference", "product signal", "engineering request", "rate re
cord read-back", "drafts and records of the Pods"]
      ai_out: ["dispatch to a Pod", "audit request", "product package", "answer or
acceptance", "rate record", "explainer filing", "product review outcome"]
      hu_in: ["product request (references only)", "a decision of the Chief Product
 Officer or of an owner position", "run control from the Chief Product Officer"]
      hu_out: ["review brief to the Chief Product Officer", "decision rows to the o
wner positions", "product review outcome to the Requesting Authority's Cell"]
      external_ports:
        - { port: "eng-out", direction: "output", accepted_content: ["product packa
ge", "answer or acceptance", "launch decision"], authority_limit: "the product line
```

```
 only, under the scope signed under connect-external-port over the engineering AIOC
; frozen, audited and decided packages only", audit_trail: "unit register; the Work
 Item record" }

        - { port: "eng-in", direction: "input", accepted_content: ["question", "fir
st-look build", "acceptance request"], authority_limit: "requests that cite a sent
package by manifest hash, on the product line only", audit_trail: "unit register; t
he Work Item record" }

        - { port: "sl-in", direction: "input", accepted_content: ["source reference
"], authority_limit: "the read scope signed under connect-external-port over [ORG]A
IOC-SL", audit_trail: "unit register; serve log of [ORG]AIOC-SL" }

        - { port: "sl-out", direction: "output", accepted_content: ["explainer fili
ng", "needs request"], authority_limit: "this AIOC's own documents, with the owner
position as contributor", audit_trail: "unit register; serve log of [ORG]AIOC-SL" }

        - { port: "rates-out", direction: "output", accepted_content: ["rate record
"], authority_limit: "a rate record decided by the product's owner position under l
ive sign-in", audit_trail: "unit register; the store's version log" }

        - { port: "rates-in", direction: "input", accepted_content: ["rate record r
ead-back"], authority_limit: "read only", audit_trail: "unit register; the store's
version log" }

        - { port: "signals-in", direction: "input", accepted_content: ["product sig
nal"], authority_limit: "read only, within the scope signed for the signal source",
 audit_trail: "unit register" }

      bot:

        allowed_actions: ["record and route every input", "dispatch Cells of this A
IOC", "send a package for audit", "freeze a decided package and send it on the prod
uct line", "route engineering requests and chase answers", "write a decided rate re
cord and read it back", "file an approved document into Source Lifecycle", "prepare
 the review brief"]

        ask_first_actions: ["a budget above the cap", "any change to configuration"
, "anything outside its role card"]

    - { code: "[ORG]CELL-PIC", full_name: "Product Intake Clerk", role: "Product In
take Clerk", parent: "[ORG]POD-PCCO", type: "AI Agent", filler_kind: "ai", test: {
id: "TEST-PC-PIC", cases: "2, 14, 15" }, ai_in: ["product request"], ai_out: ["inta
ke record", "classification"], bot: { allowed_actions: ["record and classify produc
t requests"], ask_first_actions: ["anything outside its role card"] } }

    - { code: "[ORG]CELL-PK", full_name: "Portfolio Keeper", role: "Portfolio Keepe
r", parent: "[ORG]POD-PCCO", type: "AI Agent", filler_kind: "ai", test: { id: "TEST
-PC-PK", cases: "4, 5, 10, 17, 18" }, ai_in: ["decisions of the Chief Product Offic
er", "stage moves"], ai_out: ["register row", "check record", "team proposal"], bot
: { allowed_actions: ["write and check portfolio rows", "prepare a team proposal fr
om the pattern"], ask_first_actions: ["anything outside its role card"] } }

    - { code: "[ORG]CELL-SK", full_name: "Standards Keeper", role: "Standards Keepe
r", parent: "[ORG]POD-PCCO", type: "AI Agent", filler_kind: "ai", test: { id: "TEST
```

```
-PC-SK", cases: "9, 24, 36" }, ai_in: ["requests from the teams"], ai_out: ["standa
rd draft", "version notice"], bot: { allowed_actions: ["draft changes to the shared
 standards", "publish a decided version"], ask_first_actions: ["anything outside it
s role card"] } }

    - { code: "[ORG]CELL-PRS", full_name: "Product Review Secretary", role: "Produc
t Review Secretary", parent: "[ORG]POD-PCCO", type: "AI Agent", filler_kind: "ai",
test: { id: "TEST-PC-PRS", cases: "32, 34, 35" }, ai_in: ["product records"], ai_ou
t: ["review brief", "review record"], bot: { allowed_actions: ["prepare the weekly
review brief", "record the outcomes decided"], ask_first_actions: ["anything outsid
e its role card"] } }

    - { code: "[ORG]CELL-IPA", full_name: "Independent Package Auditor", role: "Ind
ependent Package Auditor", parent: "[ORG]POD-PCCO", type: "AI Agent", filler_kind:
"ai", test: { id: "TEST-PC-IPA", cases: "7, 21-23, 25" }, ai_in: ["audit request"],
 ai_out: ["audit record"], bot: { allowed_actions: ["check a package for completene
ss, criteria, citations, states, languages and the absence of code"], ask_first_act
ions: ["anything outside its role card"] } }

    - code: "[ORG]CELL-EPO"

      full_name: "Example Product Owner"

      parent: "[ORG]POD-EPT"

      type: "Human Seat"

      filler_kind: "human"

      hoac: "[ORG]HOAC-ACS"

      accountable_to: "[ORG]CELL-CPO"

      entity: "<entity>"

      authority_scope:

        decision_types: []                  # the product's own decisions are ordi
nary decisions under live sign-in; commit-money is added only where the organisatio
n sets it (§13, H-03)

        entity: "<entity>"

        expires: "2027-10-15"               # placeholder; each organisation sets
it

        authority: "delegated"

      test: { id: "TEST-PC-EPO", cases: "5, 20, 28-30, 48", owner: "[ORG]CELL-CPO"
}

      ai_in: ["decision rows of its product"]

      ai_out: ["decisions of its product"]

      hu_in: ["direction from the Chief Product Officer"]

      hu_out: ["decisions, acceptances and rate decisions under live sign-in", "rep
ort to the Chief Product Officer"]
```

- { code: "[ORG]CELL-EPM", full_name: "Example Product Manager", role: "Product Manager", parent: "[ORG]POD-EPT", type: "AI Agent", filler_kind: "ai", accountable_to: "[ORG]CELL-EPO", accountable_human: "[ORG]HOAC-ACS (the product's owner position, [ORG]CELL-EPO)", test: { id: "TEST-PC-EPM", cases: "7, 19, 20, 22, 26, 29", owner: "[ORG]CELL-EPO" }, ai_in: ["intake record", "research evidence", "engineering request"], ai_out: ["research record", "PRD and feature packages", "answer draft", "launch record draft"], bot: { allowed_actions: ["write the research record, the PRD and feature packages", "draft answers and launch records"], ask_first_actions: ["anything outside its role card"] } }

- { code: "[ORG]CELL-EPD", full_name: "Example Product Designer", role: "Product Designer", parent: "[ORG]POD-EPT", type: "AI Agent", filler_kind: "ai", accountable_to: "[ORG]CELL-EPO", accountable_human: "[ORG]HOAC-ACS (the product's owner position, [ORG]CELL-EPO)", test: { id: "TEST-PC-EPD", cases: "23, 24, 27", owner: "[ORG]CELL-EPO" }, ai_in: ["decided PRD", "design system"], ai_out: ["flows, screens and copy", "first-look note"], bot: { allowed_actions: ["design flows and screens in every state", "write copy in every language served"], ask_first_actions: ["anything outside its role card"] } }

- { code: "[ORG]CELL-EPA", full_name: "Example Product Analyst", role: "Product Analyst", parent: "[ORG]POD-EPT", type: "AI Agent", filler_kind: "ai", accountable_to: "[ORG]CELL-EPO", accountable_human: "[ORG]HOAC-ACS (the product's owner position, [ORG]CELL-EPO)", test: { id: "TEST-PC-EPA", cases: "19, 32", owner: "[ORG]CELL-EPO" }, ai_in: ["source references", "product signals"], ai_out: ["evidence list", "performance record"], bot: { allowed_actions: ["gather evidence by reference", "compute performance and profit and loss from source records"], ask_first_actions: ["anything outside its role card"] } }

- { code: "[ORG]CELL-EPEA", full_name: "Example Pricing and Economics Analyst", role: "Pricing and Economics Analyst", parent: "[ORG]POD-EPT", type: "AI Agent", filler_kind: "ai", accountable_to: "[ORG]CELL-EPO", accountable_human: "[ORG]HOAC-ACS (the product's owner position, [ORG]CELL-EPO)", test: { id: "TEST-PC-EPEA", cases: "8, 30", owner: "[ORG]CELL-EPO" }, ai_in: ["rate request", "pricing models", "terms"], ai_out: ["rate draft", "product economics section"], bot: { allowed_actions: ["draft rate changes as versioned records", "write the product economics section"], ask_first_actions: ["anything outside its role card"] } }

- { code: "[ORG]CELL-EOCVA", full_name: "Example Operations and Customer Voice Agent", role: "Operations and Customer Voice Agent", parent: "[ORG]POD-EPT", type: "AI Agent", filler_kind: "ai", accountable_to: "[ORG]CELL-EPO", accountable_human: "[ORG]HOAC-ACS (the product's owner position, [ORG]CELL-EPO)", test: { id: "TEST-PC-EOCVA", cases: "31", owner: "[ORG]CELL-EPO" }, ai_in: ["product signal"], ai_out: ["signal record", "complaint route", "upkeep request draft"], bot: { allowed_actions: ["record customer voice, complaints, support and performance readings against the product", "route complaints on the organisation's complaints path"], ask_first_actions: ["anything outside its role card"] } }

- { code: "[ORG]CELL-EDW", full_name: "Example Documentation Writer", role: "Documentation Writer", parent: "[ORG]POD-EPT", type: "AI Agent", filler_kind: "ai", accountable_to: "[ORG]CELL-EPO", accountable_human: "[ORG]HOAC-ACS (the product's owner position, [ORG]CELL-EPO)", test: { id: "TEST-PC-EDW", cases: "13, 33", owner: "

```
[ORG]CELL-EPO" }, ai_in: ["PRD, design, rates, launch record"], ai_out: ["explainer
 set drafts"], bot: { allowed_actions: ["write the explainer and supporting documen
ts of the product"], ask_first_actions: ["anything outside its role card"] } }

  pods:

    - { code: "[ORG]POD-PCCO", full_name: "Product Core CPO Office", type: "AI Pod"
, inner_units: ["[ORG]CELL-PIC", "[ORG]CELL-PK", "[ORG]CELL-SK", "[ORG]CELL-PRS", "
[ORG]CELL-IPA"], top_cell: "[ORG]CELL-PK", test: { id: "TEST-PC-PCCO", cases: "4, 9
, 14, 15, 17, 21, 34, 36" }, ai_in: ["product request", "audit request", "product r
ecords"], ai_out: ["intake record", "register row", "audit record", "review brief",
 "standard version"] }

    - { code: "[ORG]POD-EPT", full_name: "Example Product Team", type: "Product Tea
m", inner_units: ["[ORG]CELL-EPO", "[ORG]CELL-EPM", "[ORG]CELL-EPD", "[ORG]CELL-EPA
", "[ORG]CELL-EPEA", "[ORG]CELL-EOCVA", "[ORG]CELL-EDW"], top_cell: "[ORG]CELL-EPO"
, hoac: "[ORG]HOAC-ACS", label_holder: "[ORG]CELL-EPO", test: { id: "TEST-PC-EPT",
cases: "6, 19, 20, 23, 29-33" }, ai_in: ["dispatch from the Chief of Staff"], ai_ou
t: ["the product's records and packages"] }
```


- **Accountability.** The CPO Office Pod, its Cells, the Chief of Staff and each product team are accountable_to [ORG]CELL-CPO. Each team's AI Cells are accountable_to the team's owner position. The AIOC itself and the Chief Product Officer are accountable_to the Cell carrying [ORG]HOAC-TM.
- **Bots.** Each AI Cell's bot (twelve in the pattern) has its own identity card, its own credential, never_signs: true, and its memory sealed on a change of filler (Protocol §10, item 3). The credential IDs in cards/bots/ are placeholders; the credentials live only in the organisation's vault.
- The Requesting Authority, the positions of each company, the engineering AIOC and Source Lifecycle are not Cells of this AIOC.

Code checks (Naming Standard R15, R16 and §5), recorded on 16 October 2026; the Chief of Staff's COS code on 19 October 2026. Each organisation repeats the check of §5.2 against its own register before first use.

Code	Initials of the full name (R15)	§5.1	§5.2: no match among this blueprint's codes, nor with [ORG]AIOC-PC	§5.3
[ORG]CELL-CPO	**C**hief **P**roduct **O**fficer	pass	pass	pass

Code	Initials of the full name (R15)	§5.1	§5.2: no match among this blueprint's codes, nor with [ORG]AIOC-PC	§5.3
[ORG]CELL-COSPC	R16, item 2 (49GAION/DR-0028): COS and the initials of [ORG]AIOC-PC → COSPC. It replaces [ORG]CELL-PCCS, retired at v0.1.1 (R5) and kept in the card's lineage	pass	pass (distinct from the COS codes of the other mothers: COSSL, COSOER, COSDI, COSPPD, COSTOM, COSCH)	pass
[ORG]POD-PCCO / [ORG]CELL-PIC, -PK, -SK, -PRS, -IPA	Product Core CPO Office / Product Intake Clerk, Portfolio Keeper, Standards Keeper, Product Review Secretary, Independent Package Auditor	pass	pass	pass
[ORG]POD-EPT / [ORG]CELL-EPO, -EPM, -EPD, -EPA, -EPEA, -EOCVA, -EDW	Example Product Team / Example Product Owner, … Example Documentation Writer (pattern codes; each team's codes come from its product's name)	pass	pass	pass

No code of this blueprint uses the suffix PC alone, so no part can be read as the AIOC itself. **UNVERIFIED** against any organisation's unit register; each organisation checks them in its own.



Annex A

The product package and the records of a product's life

Field lists. Every field is filled; "none" is an answer (Protocol §18, item 6.2). A package sent on the product line is frozen and content-addressed: its ID is the hash of its manifest, and the manifest lists every part by hash (card output 1).

A.1 The package manifest

Field	Content
package_id	the SHA-256 of the canonical manifest (content address)
product	the product's portfolio ID
version	the package version; a changed package is a new version, never an edit
supersedes	the package version it replaces, or none
parts	each part: kind (PRD, feature package, design, copy, explainer reference), path, SHA-256
acceptance_index	every acceptance criterion of every feature, by ID
rests_on	the research record and the sources it cites, by reference
decided_by	the owner position's code and the decision's reference
companies_and_markets	the configurations it is for, by reference to the portfolio
audit	the Independent Package Auditor's record, by reference

A.2 The PRD

Field	Content
Problem and customer	who, and what they need, from the research record
Goal and measures	each measure with its definition, baseline and target, from a source or a decision, or not given
Scope	in, and out
Requirements	each with ID, statement, source by reference or **New**, priority (must, should, could)
Rates and economics	the rates that apply, by reference to their records; the product economics
Terms	the product's terms, by reference, including whether a new rate reaches existing deals
Languages and markets	every language the product serves, and its direction
Risks and open questions	each with its owner position
Explainer set	the documents the product needs (A.5)

A.3 A feature package

Field	Content
Feature ID and name	
The requirement IDs it meets	
User stories or jobs	
Acceptance criteria	each with ID, a pass condition a tester can check, and its evidence kind
States and edge cases	
Copy	by reference to A.4
Out of scope	

A.4 The design

Field	Content
Flows	each flow, step by step
Screens	each screen in every state: default, empty, loading, partial, error, success, permission refused, and offline where the product runs offline
Copy	every string in every language served, right to left included where served
Design system	its version; each deviation with its reason

A.5 The explainer set

The product explainer and its questions and answers; help articles and user guides; partner materials; internal training. Each is a versioned document, filed into Source Lifecycle with the owner position as contributor.

A.6 The launch record

Field	Content
The package version launched	by package_id
Checks	package accepted (by criterion); explainers filed; rates set (by record); support ready; configurations per company and market set; terms reviewed
Decision	the owner position's, with its date

A.7 The retirement record

Field	Content
The outcome	the review that decided retire, by reference
Closing steps	rates closed (by record); explainers withdrawn in Source Lifecycle; customer communications sent; the team retired under retire-unit
Decision	the Chief Product Officer's, with its date

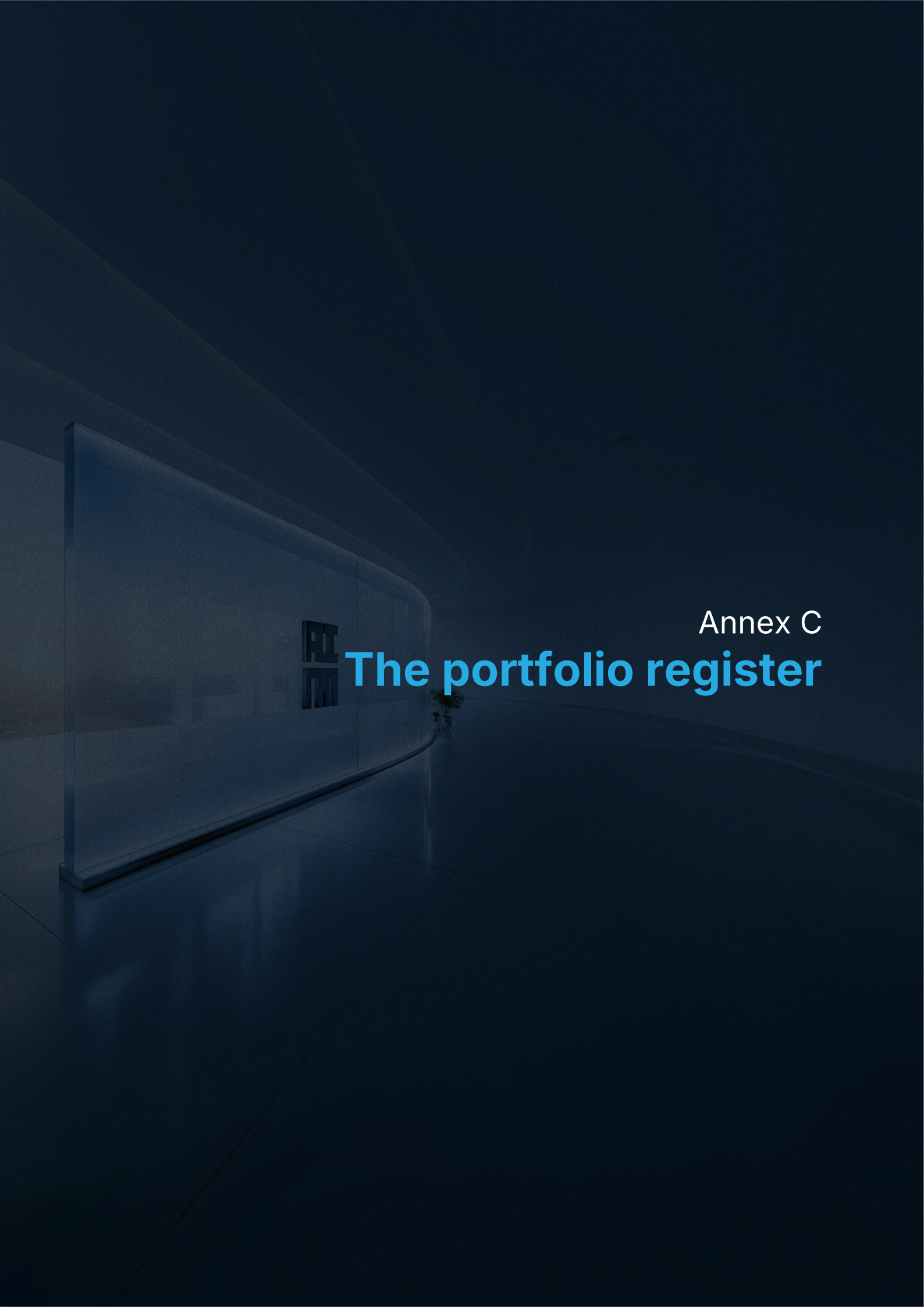


Annex B

The rate record

Field	Content
rate_id	stable across versions
version	increasing; a change is a new version, never an edit
product	the product's portfolio ID
applies_to	the companies and markets, by reference
value	the price, fee or rate, with its unit
effective_from	the date it takes effect
reason	why it changed
replaces	the version it replaces, or none
existing_deals	whether it reaches existing deals, with the clause of the product's terms that says so
decided_by	the owner position's code and the decision's reference (and the commit-money signature, where set)
hash	the SHA-256 of the record, checked on read-back

A reversal is a new version whose value is an earlier version's value, with its own reason (Protocol §18, item 7).

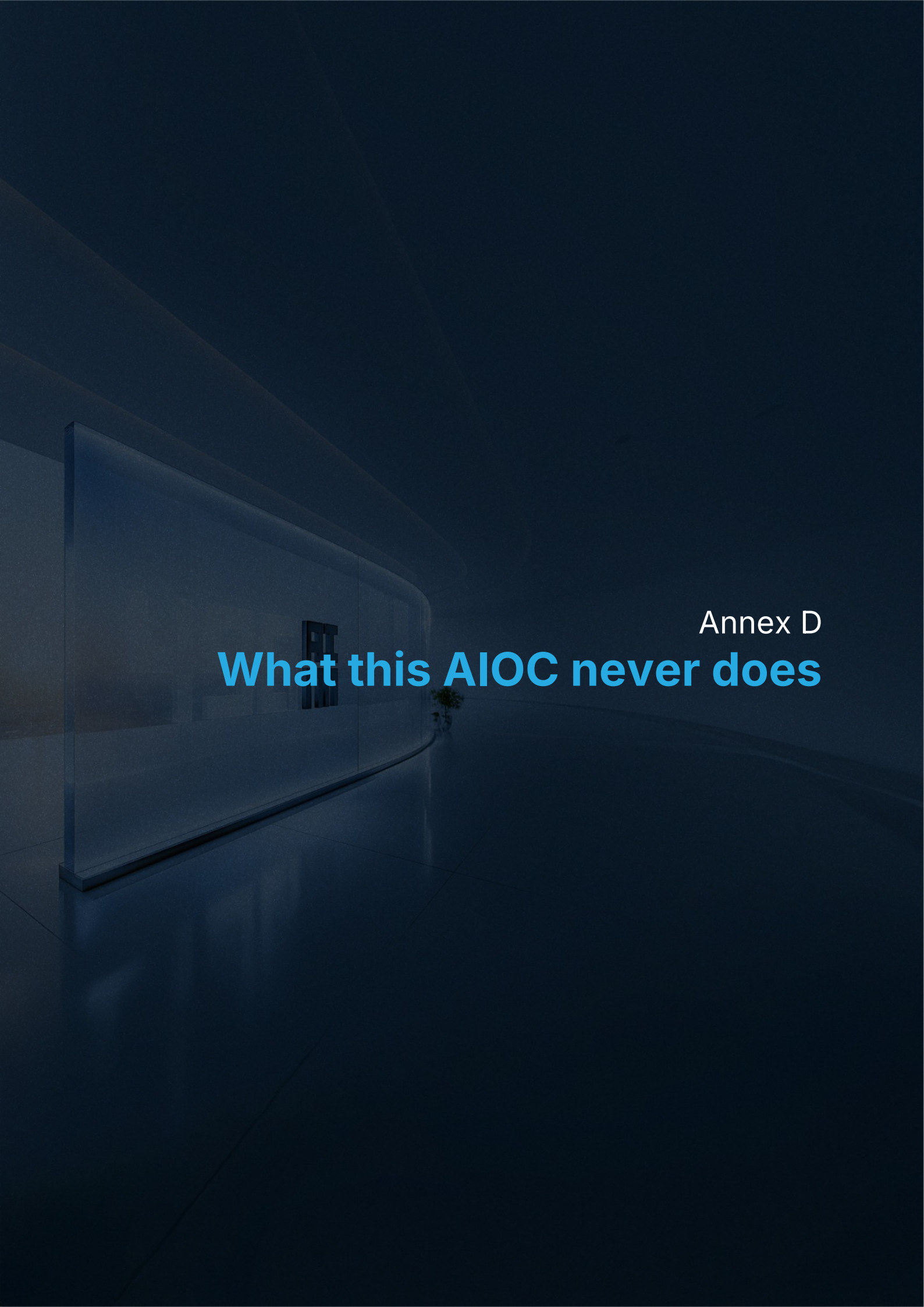


Annex C

The portfolio register

Field	Content
product	the product's ID and name
category	one category of the organisation's own record
category_kind	one of: product family (grouped by the customer's principal destination), platform (shared capabilities every product uses; a capability is never a product), company category (the products of one company that stand apart from the families), AI Systems (assistants, agents, agent-run websites, back offices, internal panels and internal tools that are not sold) (Protocol §18, item 4)
owner_position	one position code, holding no other product
team	the product team's Pod code
stage	P1 to P8 (§5.0), or retired
configurations	one row per company and market that offers it; never a copy of the product

Which categories an organisation has, and what each holds, is the organisation's own record and never appears in the Library (Protocol §18, item 4).



Annex D

What this AIOC never does

1. Write code, technical design or infrastructure, or set the build plan or its dates.
2. Speak to a builder or to the code host, or send product work other than on the product line.
3. Send an incomplete package, or one the Independent Package Auditor has not passed.
4. Copy a product for a company instead of configuring it.
5. Record a capability as a product.
6. Give one owner position two products, or a product two owner positions, or hand a stage of a product's life to another team.
7. Change a rate by a code release, or without an effective date and a reason.
8. Invent a figure, a target or a price.
9. Name a person, or read who occupies a position.
10. Let an AI decide, accept or sign.
11. Put an organisation's products, categories or rates into the Library.

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