

COMPANION WORKSHEET

Chapter 21 — Symptom Recovery

Use this worksheet when a symptom appears. Consume Chapter 20 Forward outcome and Final active identity when that record exists. Write last-known-good identity from those fields, or from the latest valid Chapter 19 or Chapter 17 identity if Chapter 20 was never finished. Record pre-correction observed identity tonight with a read-only official method. Record final observed identity after the correction, or equal to pre-correction if no change was made. Troubleshooting does not wait for Chapter 20 Ready.

Work from a fresh copy. Use TBD, Evidence missing, or Not applicable. One controlled hypothesis per worksheet.

A. Consume the last known-good and record the symptom

Chapter 20 worksheet path
or Not applicable

Chapter 20 Forward outcome / Final active identity
or Not applicable

Last-known-good identity
Chapter 20 Final active identity, or Chapter 19 / 17 identity

Chapter 15 privacy sentence currently in force

Last known-good time and what still worked

Symptom in observable words
not a diagnosis

First seen / repeatable
yes / no / Evidence missing

Unique data that must not be touched

If the only record is a diagnosis with no observable symptom, stop and rewrite the symptom. Do not copy last-known-good into a later identity row.

B. Locate the failing domain

These are five troubleshooting domains. They overlay Chapter 3. They do not replace it.

Allowed primary domains and alternatives are exactly hardware / accelerator / CPU path, inference runtime, API / interface, network / authentication, or storage / retrieval / persistent data.

Primary domain

Nearest alternative domain

Why this domain first

A fluent chat reply is not a domain. Processor placement and generation-artifact identity live under those domains. They are not extra alternatives.

C. Observe before you correct

Read-only observation used

Official status, log, or health probe
secret-safe

Pre-correction observed identity
version or digest from tonight's read-only method / Evidence missing

Confirming test that distinguishes the primary domain from the alternative

What this observation does not prove

Symptom still reproduces
yes / no / Evidence missing

Change nothing in this section. If the symptom cannot be reproduced, or no correction is evidence-supported, stop without changing anything.

D. One smallest safe correction

One correction is one evidence-supported hypothesis or one prewritten recovery sequence, not one shell command. If Section C recorded no reproducible symptom, write `Not applicable` and do not invent a change.

Correction named
or `Not applicable`

Why it is the smallest reversible change or prewritten sequence
or `Not applicable`

Unique data left untouched
Yes / No / `Not applicable`

Listener / audience left unchanged
Yes / No / `Not applicable`

If Chapter 20 rollback is used
software state, unique-data state, or both / `Not applicable`

Widening a listener or deleting unique data is **Blocked** as a first correction. A no-correction stop is **Evidence missing**, not **Recovered**.

E. Recovery proof

Final observed identity

after correction, or equal to pre-correction if no change

Current bounded API or application health probe

Chapter 15 sentence still holds

yes / no / Evidence missing

Intended access path still works

yes / no / Not applicable

One unique-data check

known chat, account, document, or setting / Not applicable

Inherited acceptance row for this domain

- Hardware / accelerator / CPU — Chapter 9 host path / Chapter 11 Processor / Not applicable: TBD - Runtime or model — Chapter 11 placement / Chapter 14 if artifact moved / Not applicable: TBD - Interface or authentication — Chapter 12 admin, connection, bounded UI / Not applicable: TBD - Network or privacy — Chapter 15 audience or egress / Not applicable: TBD - Storage / retrieval — Chapter 19 restored-class / Chapter 16 canary or absence / Not applicable: TBD

A fluent reply is not this row. A chat check is not a Chapter 16 retrieval proof. Missing required inherited proofs are **Evidence missing**.

F. Assian one verdict

Allowed verdicts are exactly **Recovered**, **Blocked**, or **Evidence missing**.

Finite verdict

Binding reason

Next proof

stop, or close this iteration and open a fresh worksheet

Invalidation condition

include final observed identity, domain, or privacy sentence

Recovered requires a symptom in observable words, one primary domain, a read-only observation first, one smallest safe correction, last-known-good / pre-correction / final observed identity, and the required inherited proofs including the domain acceptance row. It proves this symptom on this final

observed identity. It does not prove every future failure.

If the symptom remains, preserve or revert as the written sequence requires, close this worksheet, and open a fresh one from the new observed state. If the symptom did not reproduce, record Evidence missing and change nothing.

Deterministic self-check

- ☐ The symptom is observable, not a diagnosis.
- ☐ Chapter 20 Ready was not required as a gate.
- ☐ Last-known-good, pre-correction, and final observed identity are separate rows.
- ☐ Unique data was named before any correction.
- ☐ Observation came before correction.
- ☐ One hypothesis, one prewritten sequence, or an explicit no-correction stop.
- ☐ Recovery used the inherited acceptance row for this domain, not a fluent reply.
- ☐ Exactly one allowed verdict and one invalidation condition are recorded.