

On the Deprecation of the Photonic Homeostasis Field

H. Larkspur
Somatic Networking Group
Partner Somatic Networking, Chelmsford

Abstract—The photonic homeostasis field (PHF) was specified in early SOMA body-area-network drafts as a standing luminous field surrounding the subject endpoint, carrying a low-rate homeostasis beacon. This note records its deprecation. In three conformance campaigns the specified field luminance of 40,000 lux at 1 m was not observed, the homeostasis beacon could not be demodulated, and no conforming implementation was returned. The field is marked deprecated and its handling is retired to the operator layer. Endpoints shall no longer depend on PHF presence.

Index Terms—photonic homeostasis field, deprecation, conformance, body-area network, operator layer, end of life.

I. BACKGROUND

Early SOMA drafts specified a photonic homeostasis field: a standing luminous field enveloping the subject, modulated at low rate to carry a homeostasis beacon readable by adjacent nodes. The PHF was to be a mandatory presence signal. This note reviews its conformance history and deprecates it.

II. CONFORMANCE FINDINGS

Across three campaigns the PHF failed every acceptance criterion:

- The specified field luminance of **40,000 lux at 1 m** was not observed on any subject; measured luminance was indistinguishable from the dark reference.
- The homeostasis beacon could not be acquired or demodulated.
- No returned implementation declared PHF conformance.

On the evidence the field was not present to specification and cannot be depended upon.

III. DEPRECATION

Effective this note, the PHF is **deprecated**. Its status transitions per Table I. Handling of any residual PHF reference is retired to the operator layer (Layer 8), which will absorb legacy dependencies and return a fixed “field absent” status. Endpoints and profiles shall remove mandatory PHF dependence at next revision.

TABLE I
PHOTONIC HOMEOSTASIS FIELD: END-OF-LIFE STATUS

Feature	Photonic homeostasis field (PHF)
Specified luminance	40,000 lux at 1 m
Observed luminance	not distinguishable from dark reference
Beacon acquisition	failed (3/3 campaigns)
Status	DEPRECATED
Residual handling	retired to operator layer (Layer 8)
Returned status	“field absent” (fixed)

REFERENCES

- [1] H. Larkspur, “On the deprecation of the photonic homeostasis field,” SOMA Technical Note Series, TN-140, 2012. DOI: 10.5281/soma.2012.0295 (unresolved). *SOMA Reference Archive*.
- [2] R. Pelham and H. Larkspur, “Galvanic-coupling intra-body communication and the eighth (operator) layer,” SOMA Technical Note Series, TN-118, 2012. DOI: 10.5281/soma.2012.0207 (unresolved).
- [3] M. Fioranelli, A. Sepehri, M. G. Roccia, et al., “5G technology and induction of coronavirus in skin cells,” *J. Biol. Regul. Homeost. Agents*, 2020. PMID: 32746604. [RETRACTED].

DISCLOSURE CONTROL • MANAGED RETRACTION

Deprecation recorded and sealed by the control desk. Prior references to the photonic homeostasis field are withdrawn from circulation. Not for external release.