

Introduction to the Core Emotion Framework (CEF)

Canonical Orientation Document — Bundle 1

1. Purpose of This Introduction

This document provides a concise, accessible entry point into the Core Emotion Framework (CEF).

It explains what the CEF is, how it is structured, and how the accompanying documents in this bundle fit together.

It is written for researchers, practitioners, developers, and anyone encountering the CEF for the first time.

The CEF is a unified emotional architecture: conceptual, computational, and semantic.

This introduction shows how those layers interlock.

2. What the CEF Is

The Core Emotion Framework is a **complete, identity-preserving model of human emotional function**, expressed across three integrated layers:

A. Conceptual Layer (TS-Series)

Defines the emotional system itself:

- 10 core emotional operators
- 50 facets
- 3 centers
- lawful transitions
- lawful modulation
- stability, prediction, plasticity, governance

This layer describes *how emotions work*.

B. Computational Layer (TS-18 → TS-21)

Transforms the conceptual model into a machine-operational system:

- ontology
- reasoning engine
- knowledge graph architecture

- population & integration pipeline

This layer describes *how emotions can be represented, reasoned about, and computed*.

C. Semantic Layer (EL-Series)

Maps natural language to the emotional architecture:

- 500-term English emotional lexicon
- symbolic and vector representations
- facet-level mapping
- cross-linguistic extensibility

This layer describes *how emotions appear in language*.

Together, these layers form a single, coherent emotional framework.

3. Why the CEF Exists

The CEF was created to solve a long-standing problem:

emotional models are either too vague for computation or too rigid for human meaning.

The CEF bridges that gap by providing:

- conceptual clarity
- computational precision
- linguistic grounding
- cross-domain interoperability

It is designed for:

- psychological research
- affective computing
- semantic-web integration
- emotional assessment
- AI reasoning
- cross-linguistic mapping

The CEF is an open-science framework: transparent, extensible, and designed for public use.

4. How the Canon Is Organized

The CEF canon is divided into four major families of documents:

1. TS-Series (Technical Specifications)

The core architecture of the emotional system.

TS-0 (included in this bundle) provides the overview and dependency map.

2. EL-Series (Emotional Lexicons)

Language-level mappings.

EL-1 v1.0 (published separately in Bundle 3) is the complete 500-term English lexicon.

3. Computational Layer (TS-18 → TS-21)

Machine-readable emotional architecture.

Published separately in Bundle 2.

4. Integrative Documents

This bundle (Bundle 1) contains:

- TS-0 (Canon Overview)
- Phase-4 Master Index
- Abstract
- This introduction

These documents explain the structure of the entire canon.

5. What's Inside This Bundle

This bundle contains the two documents that define the CEF at the highest level:

TS-0 — Canon Overview Document

The authoritative description of:

- the purpose of the CEF
- the structure of the canon
- the relationships between all TS, EL, and computational documents

- the conceptual map of the entire system

Phase-4 Master Index

A complete inventory of:

- all Phase-4 outputs
- all computational documents
- all semantic documents
- all dependencies
- the publication map

Together, these documents form the **entry point** to the entire CEF ecosystem.

6. How to Navigate the CEF

If you are new to the CEF:

1. **Start with TS-0**
Understand the architecture and purpose.
2. **Read the Phase-4 Master Index**
See the full map of the canon.
3. **Explore Bundle 2 (Computational Architecture)**
For ontology, reasoning, and knowledge graph structure.
4. **Explore Bundle 3 (EL-1 Lexicon)**
For the full 500-term emotional vocabulary.
5. **Return to TS-Series (TS-1 → TS-17)**
For conceptual depth and emotional theory.

This sequence provides the clearest path from overview → structure → detail.

7. Canonical Status

This introduction is not a technical specification.

It is an orientation document designed to help readers understand:

- what the CEF is
- how it is structured
- how to navigate the canon

- how the documents in this bundle relate to the rest of the system

It is subordinate to TS-0 and the Phase-4 Master Index.
