Core Emotion Framework (CEF): Technical Specification 11 (TS-11)

Operator Facet Architecture Specification

Canonical Architecture-Level Technical Document — Version 1.0

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Abstract

The Core Emotion Framework (CEF) Technical Specification 11 (TS-11) defines the canonical facet-level architecture of the ten core emotional operators. Whereas TS-1 establishes operator mechanics, TS-2 defines validation logic, TS-3 specifies computational structures, TS-4 defines simulation protocols, TS-5 governs interoperability, and TS-6 establishes the structural-constructivist mapping engine, TS-11 introduces the internal functional decomposition of each operator into five facets.

TS-11 provides the authoritative structural definition of the internal architecture of Sensing, Calculating, Deciding, Expanding, Constricting, Achieving, Arranging, Appreciating, Boosting, and Accepting. Each operator is defined by a core function and a five-facet decomposition that preserves identity, prevents conceptual drift, and enables consistent use across computational, clinical, linguistic, and analytic contexts.

TS-11 is the canonical reference for all facet-level work in the CEF canon and serves as the structural foundation for TS-7 (Structural Psychopathology), TS-8 (Neurodiversity Calibration), TS-10 (Therapeutic Structural Disassembly), and the EL-Series global emotional lexicon.

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0. Document Header

Document ID: TS-11
Version: 1.0 (Canonical)
Status: Published
Canonical Position: Eleventh Technical Specification in the CEF Canon
Dependencies: TS-1, TS-2, TS-3, TS-4, TS-5, TS-6
Governing Body: Core Emotion Framework Canonical Architecture

1. Purpose and Scope

1.1 Purpose

TS-11 defines the internal facet architecture of the ten core emotional operators. It specifies:

• core functional definitions
• five-facet decomposition for each operator
• structural boundaries
• contamination-prevention rules
• center-level alignment
• canonical constraints for facet-level modeling

TS-11 provides the structural layer required for:

• clinical dysregulation modeling (TS-7)
• individual-difference calibration (TS-8)
• therapeutic disassembly (TS-10)
• cross-linguistic emotional lexicons (EL-Series)
• computational facet-level modeling (TS-3, TS-4)

1.2 Scope

TS-11 includes:

• facet definitions
• operator-internal structure
• functional boundaries
• canonical constraints

TS-11 does not include:

• mapping rules (TS-6)
• validation methods (TS-2)
• computational update rules (TS-3)
• simulation protocols (TS-4)
• psychopathology patterns (TS-7)
• therapeutic protocols (TS-10)

TS-11 defines structure only.

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2. Architectural Position

2.1 Operators as Functional Powers

TS-1 defines operators as identity-preserving regulatory functions.
TS-11 defines their internal structure.

Each operator is decomposed into:

• one core function
• five facets (irreducible subcomponents)

2.2 Facet Definition

A facet is:

• a functional subcomponent of an operator
• non-interchangeable
• non-migratory
• center-bound
• identity-preserving

Facets do not:

• operate independently
• migrate across operators
• redefine operator identity

2.3 Canonical Requirements

All facet definitions must satisfy:

• identity preservation
• center fidelity
• non-overlap
• non-expansion
• non-collapse
• contamination prevention

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3. Head Center Facet Architecture

3.1 Sensing — Core Function: Raw Intake

Facets:

1. Environmental Registration

2. Aperture Modulation

3. Signal Intensity Awareness

4. Multi-Channel Reception

5. Immediate Presence Contact

3.2 Calculating — Core Function: Structured Evaluation

Facets:

1. Pattern Detection

2. Risk and Tradeoff Evaluation

3. Resource Assessment

4. Logical Structuring

5. Outcome Forecasting

3.3 Deciding — Core Function: Commitment Under Ambiguity

Facets:

1. Value Alignment

2. Ambiguity Resolution

3. Confidence Calibration

4. Commitment Activation

5. Decision Closure

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4. Heart Center Facet Architecture

4.1 Expanding — Core Function: Openness and Connection

Facets:

1. Emotional Openness

2. Relational Curiosity

3. Creative Generativity

4. Boundary Softening

5. Empathic Resonance

4.2 Constricting — Core Function: Narrowing and Precision

Facets:

1. Selective Attention

2. Boundary Definition

3. Emotional Precision

4. Filtering Input

5. Internal Containment

4.3 Achieving — Core Function: Coordination and Harmonization

Facets:

1. Task Integration

2. Effort Regulation

3. Relational-Context Alignment

4. Adaptive Rebalancing

5. Coherence Maintenance

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5. Gut Center Facet Architecture

5.1 Arranging — Core Function: Organization and Setup

Facets:

1. Structural Organization

2. Task Sequencing

3. Environmental Setup

4. Process Structuring

5. Stabilizing Conditions

5.2 Appreciating — Core Function: Receiving Goodness

Facets:

1. Goodness Registration

2. Savoring Contact

3. Gratitude Emergence

4. Joyful Enjoyment

5. Gratification Settling

5.3 Boosting — Core Function: Energy and Drive

Facets:

1. Activation Energy

2. Sustained Drive

3. Momentum Amplification

4. Assertive Presence

5. Resilience Under Pressure

5.4 Accepting — Core Function: Yielding and Letting Be

Facets:

1. Reality Allowance

2. Resistance Release

3. Letting Go of Control

4. Emotional Surrender

5. Settling Into What Is

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6. Canonical Constraints

A facet architecture is valid only if:

• all facets belong to their canonical operator
• no facet migrates across operators
• no facet redefines operator identity
• no facet introduces new functional powers
• center boundaries remain intact
• definitions remain contamination-free

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7. Interoperability With Other TS Documents

TS-11 integrates with:

• TS-1 (operator identity)
• TS-2 (facet-level validation)
• TS-3 (facet-level computation)
• TS-4 (facet-level simulation)
• TS-5 (facet-level mapping constraints)
• TS-6 (facet-aware decomposition)

TS-11 is a structural prerequisite for:

• TS-7 (psychopathology)
• TS-8 (neurodiversity)
• TS-10 (therapeutic disassembly)

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8. Canonical Status

TS-11 is the authoritative facet-architecture specification of the CEF.
It defines the internal structure of all ten operators and is subordinate only to TS-1 and the Core Essence Document.