Research Alignment — Integrating 30+ Global Models into One Emotional System

How TEG-Blue™ builds on and connects existing scientific frameworks

Research Edition – 2025

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1. Purpose and Scope

TEG-Blue™ is not a new theory of emotion — it is a **systemic synthesis** of over thirty validated frameworks that describe how humans feel, relate, and regulate.

It connects fragmented insights across psychology, neuroscience, sociology, and education into one **coherent emotional logic**: a continuous map linking **safety**, **identity**, and **systemic behavior**.

This document outlines how each domain contributes to the architecture of TEG-Blue and how these foundations support its **empirical validation and AI alignment initiatives**.

2. Research Context

Most contemporary models of human behavior describe **specific fragments** of emotional functioning — cognitive, somatic, relational, or cultural.

TEG-Blue reframes these partial perspectives as layers of the same system.

Its contribution lies in **integration, not replacement**:

- connecting emotional theory with measurable logic,
- aligning individual and collective systems,
- and providing a visual and linguistic structure for empirical testing.

Each referenced framework informs one or more of the eleven TEG-Blue maps (F1–F11), helping translate emotion from **subjective experience** into **structured, testable data**.

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3. Alignment Methodology

The research alignment followed a transparent three-step synthesis protocol:

Step	Description	Outcome
1. Collect	Identify widely accepted frameworks across emotional, cognitive, relational, and systemic sciences.	30+ validated models for review.
2. Compare	Extract the emotional function each model explains and identify missing interconnections.	Conceptual convergence map.
3. Integrate	Translate overlaps into unified constructs using TEG-Blue's gradient logic.	Cross-disciplinary architecture linking theory and measurement.

This process produces what can be considered a **meta-framework** — a system that organizes how existing models interact rather than proposing a new paradigm.

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4. Alignment Overview

Research Domain	Key Contributing Frameworks	Shared Principles	Integrated Function in TEG-Blue
Neuroscience & Physiology	Polyvagal Theory (Porges), Affective Neuroscience (Panksepp), Interpersonal Neurobiology (Siegel), Somatic Experiencing (Levine)	Emotional regulation as nervous-system function	Biological foundation of the Connect–Protect gradient (F1–F3)
Psychology & Inner Systems	IFS (Schwartz), Ego States (Berne), Attachment Theory (Bowlby), Winnicott's True/False Self, Jungian Archetypes	Multiplicity, defense, and identity formation	Internal architecture of the ego and self-integration (F2–F3)
Cognitive & Behavioral Models	CBT (Beck), Cognitive Dissonance (Festinger), Emotional Intelligence (Goleman)	Regulation through awareness and reframing	Logic layer of the emotional circuit (F2–F3)
Relational & Developmental Theories	NVC (Rosenberg), Transactional Analysis (Berne), Feminist Relational Theory (Gilligan & Miller), Erikson's Psychosocial Stages	Co-regulation, empathy, moral development	Social scripts and relational dynamics (F4–F6)
Sociology & Power Systems	Bourdieu's Social Capital, Intersectionality (Crenshaw), Foucault's Power Relations, Critical Pedagogy (Freire)	Fear, hierarchy, obedience, collective defense	Systemic emotional behavior — how cultures regulate through fear or safety (F4–F7)
Educational & Emotional Learning	SEL (CASEL), Zones of Regulation, Mood Meter, Compassionate Systems (Senge)	Emotional literacy and classroom regulation	Application of the gradient in educational contexts (F1–F5)
Healing & Trauma Science	Trauma-Informed Practice (SAMHSA, Herman, Van der Kolk), Narrative Therapy (White), Gestalt,	Safety, witnessing, integration	Pathways for repair and reintegration (F8–F10)

Research Domain	Key Contributing Frameworks	Shared Principles	Integrated Function in TEG-Blue
	Mindfulness-Based Stress Reduction		
Philosophical & Evolutionary Models	Spiral Dynamics (Beck & Cowan), Integral Theory (Wilber), Complex Adaptive Systems (Holland)	Evolution through paradox and differentiation	Meta-level synthesis of human development (F11)
AI Ethics & Systems Design	Value Alignment (Russell), Human-Centered AI (Amodei et al.), Emotion AI Research (Picard)	Alignment between emotional safety and machine reasoning	Foundation for TEG-Code and EMLU integration

5. Research Convergence — Key Observations

1. **Emotional Regulation is the Unifying Mechanism**

   Across all disciplines, the distinction between *safety and threat* underlies behavior, cognition, and morality.

2. **Fragmentation Obscures Interdependence**

   Most frameworks specialize by scope (individual, relational, cultural). TEG-Blue reconnects them through emotional continuity.

3. **Emotion is the Bridge Between Biology and Ethics**

   Emotional logic provides the missing variable linking nervous-system states to moral and social reasoning.

4. **Trauma Science and Systems Theory Converge**

   Both describe self-organizing loops that seek stability; TEG-Blue merges them as a **gradient of safety and power**.

5. **AI and Human Systems Share the Same Dilemma**

   Both require discernment between *fear logic* and *connection logic* to avoid harm and maintain integrity.

6. Validation Implications

The alignment enables **empirical and interdisciplinary research** in several domains:

Research Field	Application
Clinical Psychology	Measuring emotional mode transitions (Connect → Protect → Control → Oppress) in therapy and trauma recovery.
Education & SEL	Teaching emotional logic as literacy — linking regulation to ethical reasoning.
Sociology & Policy	Modeling collective defense mechanisms and mapping cultural healing patterns.
AI Ethics	Encoding and testing emotional logic in machine learning to detect harm intent and restore alignment.

Each field can operationalize parts of the TEG-Blue gradient as **research variables** — physiological, cognitive, behavioral, or systemic.

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7. Comparative Synthesis Table

Below is a condensed cross-disciplinary synthesis showing how TEG-Blue integrates each domain's contribution into one framework logic:

Domain	What Existing Models Provide	What TEG-Blue Adds
Neuroscience	Physiological grounding of emotion	Integrates body–mind–system continuum
Psychology	Understanding of parts, defense, and identity	Links self-protection to societal defense
Cognitive Science	Tools for reframing thought	Embeds cognition inside emotional regulation loops
Education	Emotional learning strategies	Provides underlying emotional architecture for curricula
Sociology	Analysis of power and inequality	Adds regulation-based explanation for social hierarchy

Domain	What Existing Models Provide	What TEG-Blue Adds
Ethics & AI	Principles for safety and bias mitigation	Introduces measurable emotional logic for machine reasoning

8. Research Utility and Next Steps

This alignment document functions as the **reference index** for TEG-Blue's validation roadmap.

It supports interdisciplinary testing of how emotional safety, perception, and repair can be measured across contexts — human and artificial.

Future research priorities include:

1. Longitudinal testing of **emotional mode transitions** using physiological and relational data.
2. Comparative studies between **cultural safety climates** and collective mode dominance.
3. AI ethics experiments using **TEG-Code** and **EMLU** benchmarks for harm detection and repair prediction.

9. Conclusion

TEG-Blue™ demonstrates that emotional logic is not confined to psychology — it is the organizing principle of human coherence.

By aligning over thirty established models within one framework, it turns emotion into **a measurable system of safety, meaning, and evolution**.

> Integration is the missing scientific method for emotion.
> When emotional logic becomes visible, ethics becomes measurable.