PAARE Source Engine v1.0
Diagnostic Trigger Map and Eclipse Snatch Reflex Code
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Purpose and Scope

This document defines the root source logic of the PAARE system's Eclipse Snatch engine. It outlines the diagnostic routing framework and associated reflex logic pathways for simulated adaptive therapeutic sequences. It is designed to operate independently of branded or trademarked mental health classification systems, while remaining functionally responsive to clinical realities and pharmacological conditions.

Diagnostic Trigger Map (Abstracted Categories)

- Mood Regulation Cluster → Activates Tier 7 empathy loop with grounding reinforcements
- Attention/Impulse Control Cluster → Initiates Tier 6 sequencing with suppressed delay pathways
- Psychotic Processing Cluster → Triggers Tier 9 mirror-stability logic and narration override
- Trauma Encoding Cluster → Launches Tier 4 derealization support and reflex suppression
- Dissociative Pattern Cluster → Activates Tier 8 reinforcement anchors and repetition masking
- Anxiety Regulation Cluster → Engages Tier 5 escalation anticipation and volatility buffer
- Substance Interaction Cluster → Taps Tier 3 simulation recall integration with pharmacological modulation

Eclipse Snatch Reflex Logic – Core Pseudocode

```
function evaluateUserState(input):
    diagnosis = input.diagnosticCategory
    medClass = input.medicationClass
    flags = input.historyFlags

    logicPath = routeByDiagnosis(diagnosis)
    volatility = assessVolatility(medClass, flags)
    reflexLoop = loadReflexSequence(logicPath)

    if volatility == 'high':
        reflexLoop = insertStabilizers(reflexLoop)
        triggerOverride('Eclipse Interrupt')

    response = generateAdaptiveSequence(reflexLoop)
    return response
```

Eclipse Interrupt Conditions

- Recent medication change (within 30 days)
- Active suicidal ideation in past 72 hours
- Hallucination flag or acute distress pattern

- History of adverse drug reactions

Triggers suppression of open-ended reflection and enacts guided narrator logic mode with biometric timeout option
Output Routing and Timestamping
- Each triggered reflex loop is time-stamped
- Diagnostic trigger is logged (non-clinical label)
- Sequence metadata is sent to documentation layer for optional DAP conversion
- Escalation flag triggers optional referral node or safety review checkpoint