MUX-04: Display Logic Capsule

System: MaxUXSuite

Module ID: MUX-04

Version: 1.0

Title: Display Logic Capsule

Classification: State-Driven UI Capsule

Responsible: TBYD UX Behavior & Context Layer Team

License Model: TBYD License v2.2 / Audit Addendum A

Standards Reference: WCAG 2.1, ISO/IEC 25062, TBYD Capsule Protocol v2.1

Applicability: MaxOneOpen v4.1+

# 1. Purpose

This module defines how UI components respond to external system or governance states. The Display Logic Capsule determines if and how a UI element is rendered, styled, or disabled based on declared external logic.

# 2. Display Logic Fields

- component\_id: ID of the UI component being controlled  
- display\_state: ENUM { visible, hidden, disabled, readonly }  
- state\_trigger: external capsule reference with logic (e.g., MaxProcess capsule state)  
- render\_condition: BOOLEAN rule combining internal + external logic  
- style\_variant: ENUM or key reference (e.g., error, warning, policy-state)  
- accessibility\_fallback: optional text or focus fallback for users with limited display capabilities

# 3. Sample Capsule Condition

display\_state: disabled  
state\_trigger: 'capsule(MaxProcess-342).state != executed'  
style\_variant: warning  
render\_condition: true

# 4. CTO Summary

Display Logic Capsules abstract visual states from UI code and bind them to externally verifiable capsule chains. This enables real-time, structural UI transformations under full governance awareness and auditability.