MUX-10: UI Lifecycle Capsule & Expiration Control

System: MaxUXSuite

Module ID: MUX-10

Version: 1.0

Title: UI Lifecycle Capsule & Expiration Control

Classification: UI State and Decommission Governance

Responsible: TBYD UI Lifecycle Coordination Unit

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

Standards Reference: ISO/IEC 27005, TBYD Capsule Protocol v2.1

Applicability: MaxOneOpen v4.1+

# 1. Purpose

This module enables lifecycle governance of UI components using capsules. It supports expiry, replacement, warning states, and deprecation enforcement to maintain audit-ready visibility of UI governance across change cycles.

# 2. Capsule Fields

- capsule\_id: unique ID for lifecycle tracking  
- component\_id: target UI element  
- lifecycle\_state: ENUM { active, deprecated, warning, expired, blocked }  
- effective\_until: ISO date or capsule reference trigger  
- replacement\_reference: ID of the new component capsule (if applicable)  
- visual\_indicator: ENUM { badge, warning-message, redirect, none }  
- freeze\_on\_expiration: BOOLEAN – block component if expired  
- audit\_required: BOOLEAN – include in lifecycle logs

# 3. Sample Logic

lifecycle\_state: deprecated  
effective\_until: '2025-12-31'  
replacement\_reference: CAPSULE-UI-SUBMIT-V2  
visual\_indicator: warning-message

# 4. CTO Summary

UI Lifecycle Capsules ensure that user interfaces are aligned with policy lifespans, system migration, and design evolution. They preserve visibility of status and protect against untracked UI deprecation.