MUX-06: Accessibility Enforcement Capsule

System: MaxUXSuite

Module ID: MUX-06

Version: 1.0

Title: Accessibility Enforcement Capsule

Classification: Compliance-Governed UX Policy Capsule

Responsible: TBYD Inclusive Systems Unit

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

Standards Reference: WCAG 2.1, EN 301 549, ISO/IEC 40500, TBYD Capsule Protocol v2.1

Applicability: MaxOneOpen v4.1+

# 1. Purpose

This module provides a structural enforcement mechanism for accessibility principles in sovereign user interfaces. It maps WCAG guidelines and related standards into capsule-enforced rules, fully auditable and role-aware.

# 2. Capsule Fields

- capsule\_id: unique capsule reference  
- target\_component: UI component or group  
- requirement\_type: ENUM { contrast, focus, alt-text, keyboard-nav, zoom, timing, error-suggestion }  
- enforcement\_level: ENUM { required, recommended, ignored }  
- wcag\_clause: formal reference to WCAG (e.g., 1.4.3 or 2.1.1)  
- fallback\_behavior: guidance if enforcement fails (e.g., hide component, raise alert, log audit)  
- trace\_required: BOOLEAN – record accessibility compliance interaction

# 3. Use Case Example

- requirement\_type: alt-text  
- enforcement\_level: required  
- wcag\_clause: 1.1.1  
- fallback\_behavior: hide component  
- trace\_required: true

# 4. CTO Summary

This capsule type integrates accessibility directly into the governance layer of UI control. It transforms abstract policy obligations into technical enforcement logic, traceable and role-contextual.