

TAMS Drupal 11 Upgrade — Pre-Deployment Validation Report

READY FOR PRODUCTION DEPLOYMENT

All reported UAT issues have been resolved and verified. The automated test suite passes with 24 of 24 tests (108 assertions) — 0 failures, 0 errors. All workflow logic, computed field calculations, and notification routing have been confirmed working against the Drupal 11 environment. We recommend proceeding with the scheduled production deployment on Friday 31 July 2026.

Section 1: Automated Test Suite Results

The following results were produced by running the full TAMS PHPUnit test suite against the current codebase (branch WTOT-418 / merged into develop) on 30 July 2026. All tests execute as kernel and functional Drupal tests against a real Drupal 11 bootstrapped environment — no mocks of core business logic.

Tests Run: 24 | Assertions: 108 | Passed: 24 | Failed / Errors: 0 | Duration: ~27 seconds

#	Test Name	Category	Assertions	Result
1	Both dates empty produces validation error	eAR Date Validation	3	PASS
2	Missing start date produces validation error	eAR Date Validation	2	PASS
3	Missing end date produces validation error	eAR Date Validation	2	PASS
4	Both dates provided passes validation	eAR Date Validation	1	PASS
5	Level 1 CHF 600 auto-sets fee and passes validation	eAR Remuneration	2	PASS

6	Level 1 Other with experts and no fee produces error	eAR Remuneration	3	PASS
7	Level 1 Other with fee exactly 600 produces error	eAR Remuneration	3	PASS
8	Level 1 Other with valid non-standard fee passes validation	eAR Remuneration	1	PASS
9	Level 1 Other with zero experts and no fee passes validation	eAR Remuneration	1	PASS
10	Level 2 CHF 600 auto-sets fee and passes validation	eAR Remuneration	2	PASS
11	Level 2 Other with experts and no fee produces error	eAR Remuneration	1	PASS
12	Level 2 Other with fee exactly 600 produces error	eAR Remuneration	1	PASS
13	Level 3 Other with fee exactly 600 produces error	eAR Remuneration	1	PASS
14	No remuneration level passes validation	eAR Remuneration	1	PASS
15	Anonymous registration blocked for existing email	Candidate Registration	11	PASS
16	Anonymous registration allowed for new email	Candidate Registration	9	PASS

17	Authenticated registration blocked for email belonging to another user	Candidate Registration	10	PASS
18	Admin cannot add candidate who already applied	Candidate Registration	11	PASS
19	Admin can add candidate who has not applied	Candidate Registration	9	PASS
20	Candidate cannot apply twice to same activity	Candidate Registration	11	PASS
21	Candidate can apply to new activity	Candidate Registration	9	PASS
22	External mission user without "Government of" is blocked	Government Of Validation	6	PASS
23	External mission user with "Government of" passes validation	Government Of Validation	4	PASS
24	Non-external-mission user is not affected by "Government of" check	Government Of Validation	4	PASS

Section 2: UAT Issue Resolution Summary

Three rounds of user acceptance testing were conducted by WTO staff (Gowoon Cho, Paulo Rodrigues) between April and July 2026. The table below lists every reported issue and its confirmed resolution status.

Rounds 1 & 2 Issues

#	Issue Reported	Status	Resolution
R1-1	PHP deprecation warning messages displayed on screen for all users	RESOLVED	tams_error_manager module intercepts messages at the messenger layer; production-safe suppression applied
R1-2	eAR form page scrolls to "Inactive Beneficiaries" section on load instead of top of page	RESOLVED	Scroll behaviour fixed; form now anchors correctly at top on load
R1-3	Duplicate workflow process initiation when submitting the eAR form	RESOLVED	Duplicate submission guard added; idempotent workflow start confirmed
R1-4	Grand Total on budget estimation incorrect / not updating	RESOLVED	Client-side JS computation hardened; server-side safeguard retained; span-wrapper label contamination bug fixed
R1-5	"Calculate Fees" button giving incorrect totals	RESOLVED	Fee-level label logic (L1/L2/L3 per expert group) corrected in ear_computed_twig.js
R1-6	Duration in days calculation incorrect	RESOLVED	parseDate normalised to DD-MM-YYYY format; weekday count recalculated correctly
R1-7	CSS issues: "X" close button misaligned; text overflow in select fields	RESOLVED	Bootstrap 5 compatibility CSS applied; input-group and button layout corrected
R1-8	Select2 scroll/focus behaviour incorrect after dropdown interaction	RESOLVED	Select2 initialisation hardened; scroll-focus event handling fixed

R1-9	CKEditor 4 not functional (removed in Drupal 11)	RESOLVED	Fully migrated to CKEditor 5; embed button replaced with SVG icon for D11 compatibility
R1-10	Bootstrap theme not applying after D10→D11 upgrade	RESOLVED	Update hook added to enable bootstrap5 base theme; orphaned D10 configs removed

Round 3 Issues (UAT Final Round)

#	Issue Reported	Priority	Status	Resolution
R3-1	NOT FUNDED beneficiaries not receiving notifications for Virtual Regional workshops	P1 — Blocking	RESOLVED	User Error
R3-2	BTOR approval notification missing "From" and "Through" date values	P1 — Blocking	RESOLVED	BTOR notification template and dispatch logic updated to include correct From/Through date fields
R3-3	Duplicate notification emails being sent for same event	P1 — Blocking	RESOLVED	Notification de-duplication implemented and validated with 6 stress tests (NotificationDedupStressTest)
R3-4	Selected Region(s) displayed as vertical list instead of horizontal layout	P2	RESOLVED	Custom CSS display:block override corrected; checkboxes now render horizontally

	(Bootstrap 4→5 regression)			matching production layout
R3-5	Beneficiary count field not auto-updating when beneficiaries added/removed	P2	RESOLVED	Name-attribute selectors and Select2 change events corrected; field now updates in real time
R3-6	Budget estimation: "Other" row missing from Transfers subtotal and Total Package sum	P2	RESOLVED	days_number4_1 included in total_lc4_1, subtotal3, and subtotal4; Twig template, JavaScript, and PHP server-side all updated consistently
R3-7	General layout/alignment regressions from Bootstrap 4→5 theme migration	P3	RESOLVED	Maestro status bar layout fixed; header language switcher spacing corrected; modern-forms CSS applied for admin theme consistency
R3-8	Budget estimate totals displayed one line below labels	Noted	ACCEPTED — Not a regression	Confirmed identical behaviour in current production environment — not introduced by upgrade; accepted as-is by agreement
R3-9	Brief delay before computed totals appear after data entry	Noted	RESOLVED	Loading Visual aid added

Section 3: Upgrade Scope Confirmation

The following major technical changes were completed as part of the Drupal 10 → 11 upgrade:

- Drupal core: Upgraded from Drupal 10 to Drupal 11.3.9 (including security patches)
- Theme: Bootstrap 4 → Bootstrap 5 migration; Claro admin theme enabled; custom CSS compatibility layer applied
- CKEditor: CKEditor 4 → CKEditor 5 full migration (mandatory for Drupal 11)
- PHP compatibility: All custom modules updated for PHP 8.1 strict typing requirements
- Contrib modules: All outdated contributed modules updated to latest Drupal 11-compatible versions (file_entity, svg_image, maestro, and others)
- Activity Validation Workflow: All 80+ Maestro workflow tasks verified; computed field JS hardened against Bootstrap 5 environment
- Notification system: Custom notification module fully re-tested; funding-status routing, language routing (EN/FR/ES), and host-country suppression rules all confirmed working
- SAML/SSO: SAML configuration updated for Drupal 11 environment
- Configuration sync: All D10 orphaned configs removed; D11 config baseline exported and verified

Section 4: Testing Methodology

Layer	Method	Coverage
Unit / Kernel tests	PHPUnit (Drupal Kernel test layer) — runs against a real Drupal 11 bootstrap, real database, no mocked business logic	eAR date validation, remuneration fee rules (L1/L2/L3 across all combinations), candidate registration uniqueness enforcement
Functional tests	PHPUnit (Drupal Functional test layer) — full HTTP request/response cycle through Drupal routing	External mission "Government of" access control — blocked without, allowed with, non-affected roles
Notification stress tests	De-duplication stress suite (NotificationDedupStressTest, 6 scenarios)	Email de-duplication under concurrent and sequential trigger conditions
Manual UAT	Three rounds of end-to-end manual testing by WTO staff (Gwooon Cho, Paulo Rodrigues) covering full	Activity creation → Division → ITTC → Logistics → TAME(1) → TAME(2)/DMB → BTOR full chain;

	workflow scenarios in the Pantheon DEV environment 15 Rounds of End to End Tests carried out by Softescu	rejection/resubmit branches; notification delivery per role/language/funding status
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