

TH Trade Display Contest & Chiller Management

Test Document

System Integration Testing (SIT) & User Acceptance Testing (UAT)

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Version History

Version	Date	Author	Description
1.0	December 15, 2025	IT W360 Team	Initial test document

Test Summary

Metric	Count
Total Test Cases	44
Critical Priority	12
High Priority	15
Medium Priority	11
Low Priority	6

Table of Contents

1. Introduction	1
2. Test Environment	2
3. Test Cases - Authentication & Authorization	3
4. Test Cases - Display Contest	5
5. Test Cases - Chiller Management	10
6. Test Cases - Administration	14
7. Test Cases - Power Automate Flows	17
8. Non-Functional Tests	20
9. UAT Sign-Off	22

1. Introduction

1.1 Purpose

This document defines test cases for the TH Trade Display Contest & Chiller Management application. It covers functional testing, integration testing, and user acceptance testing (UAT).

1.2 Scope

In Scope	Out of Scope
<ul style="list-style-type: none">• Display Contest workflows• Chiller Management workflows• User role permissions• Power Automate flows• Mobile responsiveness	<ul style="list-style-type: none">• Performance/load testing• Security penetration testing• Third-party integrations

1.3 Test Approach

Phase	Description	Responsible
SIT (System Integration Testing)	Verify end-to-end workflows and integrations	IT W360 Team
UAT (User Acceptance Testing)	Business users validate functionality	CDT, RFOE, TradeOps
Regression	Re-test after bug fixes	IT W360 Team

2. Test Environment

2.1 Environment Details

Environment	URL/Details	Purpose
Development	DEV environment	Developer testing
UAT	UAT environment	User acceptance testing
Production	PROD environment	Live system

2.2 Test Accounts

Role	Test User	Region
Admin	admin.test@th.nestle.com	All
Sales	sales.test@th.nestle.com	North
RFOE	rfoe.test@th.nestle.com	North
TradeOps	tradeops.test@th.nestle.com	All
CDT	cdt.test@th.nestle.com	All
Viewer	viewer.test@th.nestle.com	All

2.3 Test Data

Data Type	Quantity	Notes
Test Shops	10 shops per region	Mix of Semi WS and Local Sup
Test Chillers	5 chillers per region	Various door counts and budgets
Test Contests	2 contests	One per category (Mixes, PSC Premium)
Test Images	Standard set	Valid JPG/PNG files < 10MB

3. Test Cases - Authentication & Authorization

TC-AUTH-001: Single Sign-On (SSO) Authentication

Priority: Critical

Precondition: User is signed in to Microsoft 365 with valid Nestle corporate account (@th.nestle.com)

Test Steps:

1. Navigate to Power Apps portal or open Power Apps mobile app
2. Select "TH Trade Display Contest" application
3. Wait for app to load (SSO authentication happens automatically)

Expected Result: User is automatically authenticated via Microsoft SSO and redirected to loading screen, then to appropriate home screen based on role (no email/password input required)

Status: Pending

TC-AUTH-002: Role-Based Menu Visibility - Sales

Priority: Critical

Precondition: User logged in with Sales role

Test Steps:

1. Login as Sales user
2. Open navigation menu
3. Verify visible menu items

Expected Result:

- Display Contest - Visible
- Chiller - Visible
- Contest (settings) - NOT visible
- Role - NOT visible

Status: Pending

TC-AUTH-003: Role-Based Menu Visibility - Admin

Priority: Critical

Precondition: User logged in with Admin role

Test Steps:

1. Login as Admin user
2. Open navigation menu
3. Verify all menu items are visible

Expected Result: All menu items visible: Display Contest, Shop, Contest, Chiller, Role

Status: Pending

TC-AUTH-004: Region-Based Data Filtering

Priority: High

Precondition: Sales user assigned to North region only

Test Steps:

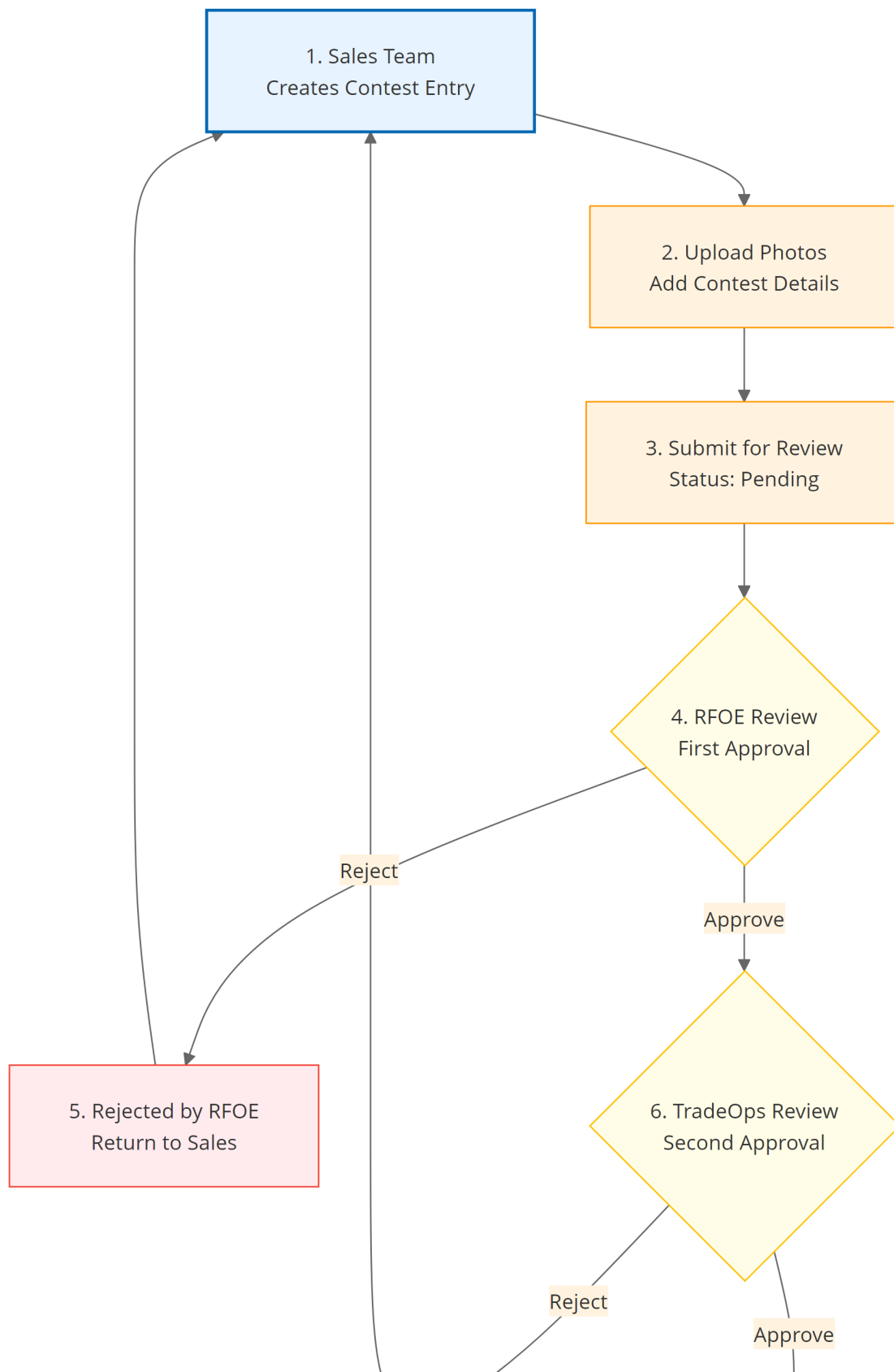
1. Login as Sales user (North region)
2. Navigate to Display Contest
3. View shop list

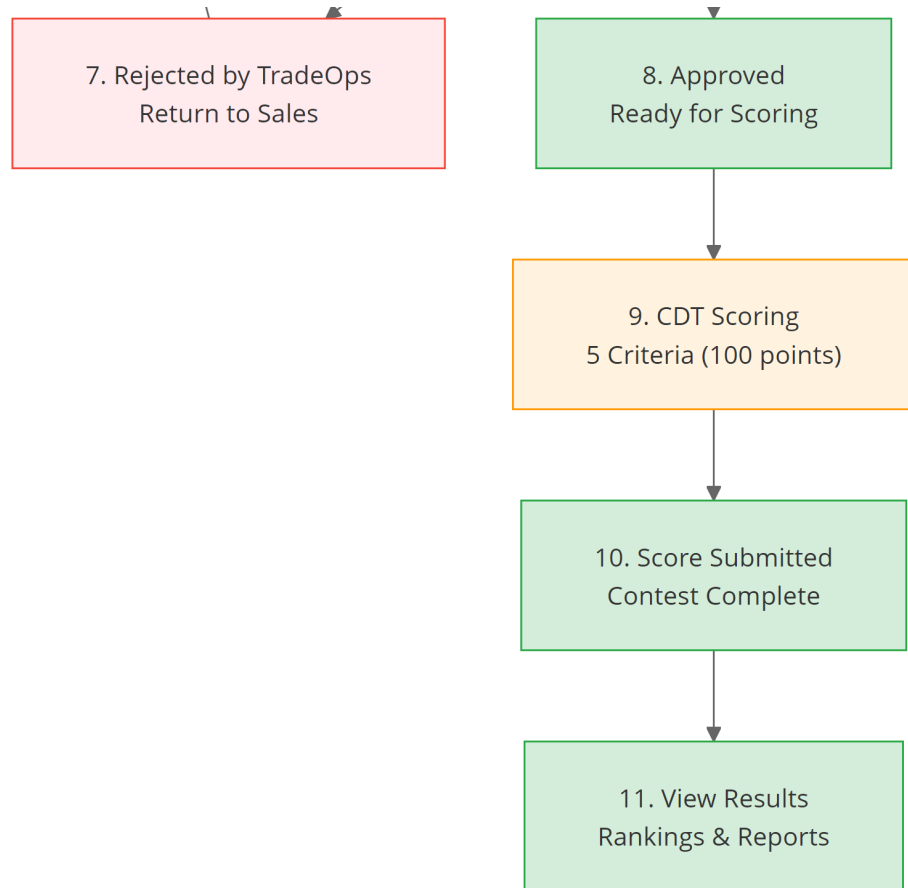
Expected Result: Only shops in North region are displayed. Shops from other regions (South, BKK+CE) are NOT visible.

Status: Pending

4. Test Cases - Display Contest

The following test cases cover the complete Display Contest workflow shown below:





Display Contest Approval Workflow - Test Coverage Reference

4.1 Submission Tests

TC-DC-001: Submit Contest Photos - Complete Submission

Priority: Critical

Precondition: Sales user logged in, active contest exists

Test Steps:

1. Navigate to Display Contest
2. Select a shop from the list
3. Upload photo for "Left Side" (ด้านซ้าย)
4. Upload photo for "Right Side" (ด้านขวา)
5. Upload photo for "Front" (ด้านหน้า)
6. Upload photo for "Overall" (ภาพรวม)
7. Click Submit button

Expected Result:

- All photos uploaded successfully to SharePoint
- Submission status changes to "Submitted"
- Success message displayed
- Submission appears in RFOE's pending list

Status: Pending

TC-DC-002: Submit Contest Photos - Validation Error (Missing Photos)

Priority: High

Precondition: Sales user logged in, active contest exists

Test Steps:

1. Navigate to Display Contest
2. Select a shop from the list
3. Upload only 1 photo (e.g., Front only)
4. Click Submit button

Expected Result: Validation error displayed: "Please upload photos for all required angles (Left, Right, Front)"

Status: Pending

TC-DC-003: Photo Upload - Invalid File Type

Priority: Medium

Test Steps:

1. Navigate to Display Contest
2. Select a shop
3. Try to upload a PDF file instead of image

Expected Result: Upload is blocked by Power Apps control. Only image files can be selected from the device.

Note: The system relies on the native file picker filter - no custom error message is displayed.

Status: Pending

4.2 Approval Workflow Tests

TC-DC-004: RFOE Approval

Priority: Critical

Precondition: Submission in "Submitted" status, RFOE user logged in

Test Steps:

1. Login as RFOE user
2. Navigate to Display Contest
3. Filter by "Submitted" status
4. Select a submission
5. Review all photos
6. Click "อนุมัติ" (Approve) button

Expected Result:

- Status changes to "RFOE Approved"
- Submission moves to TradeOps queue
- Approval timestamp recorded

Status: Pending

TC-DC-005: RFOE Rejection

Priority: High

Precondition: Submission in "Submitted" status, RFOE user logged in

Test Steps:

1. Login as RFOE user
2. Select a submission to reject
3. Click "ปฏิเสธ" (Reject) button
4. Enter rejection reason
5. Confirm rejection

Expected Result:

- Status changes to "Rejected"
- Rejection notification sent to Sales (via Power Automate)
- Rejection reason saved and visible to Sales

Status: Pending

TC-DC-006: TradeOps Approval

Priority: Critical

Precondition: Submission in "RFOE Approved" status, TradeOps user logged in

Test Steps:

1. Login as TradeOps user
2. Navigate to Display Contest
3. Filter by "RFOE Approved" status
4. Select a submission
5. Click "อนุมัติ" (Approve) button

Expected Result: Status changes to "TradeOps Approved". Submission now available for CDT scoring.

Status: Pending

4.3 Scoring Tests

TC-DC-007: CDT Scoring - Complete Score Entry

Priority: Critical

Precondition: Submission in "TradeOps Approved" status, CDT user logged in

Test Steps:

1. Login as CDT user
2. Navigate to Display Contest
3. Filter by "TradeOps Approved"
4. Select a submission
5. Click on photo to open viewer
6. Enter scores: Creativity=15, Arrangement=35, Equipment=8, Outstanding=18, Stacks=9
7. Click Save/Submit

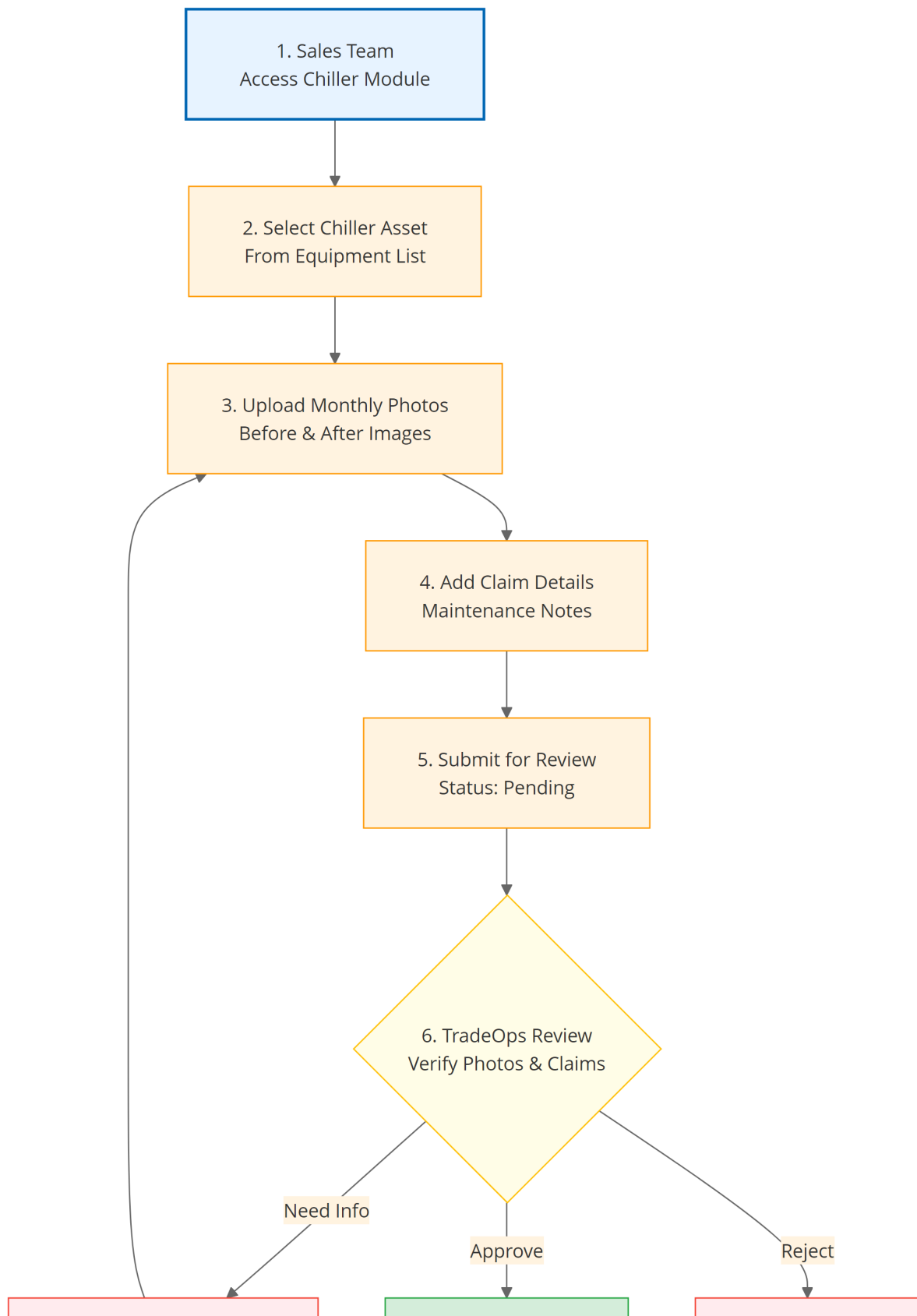
Expected Result:

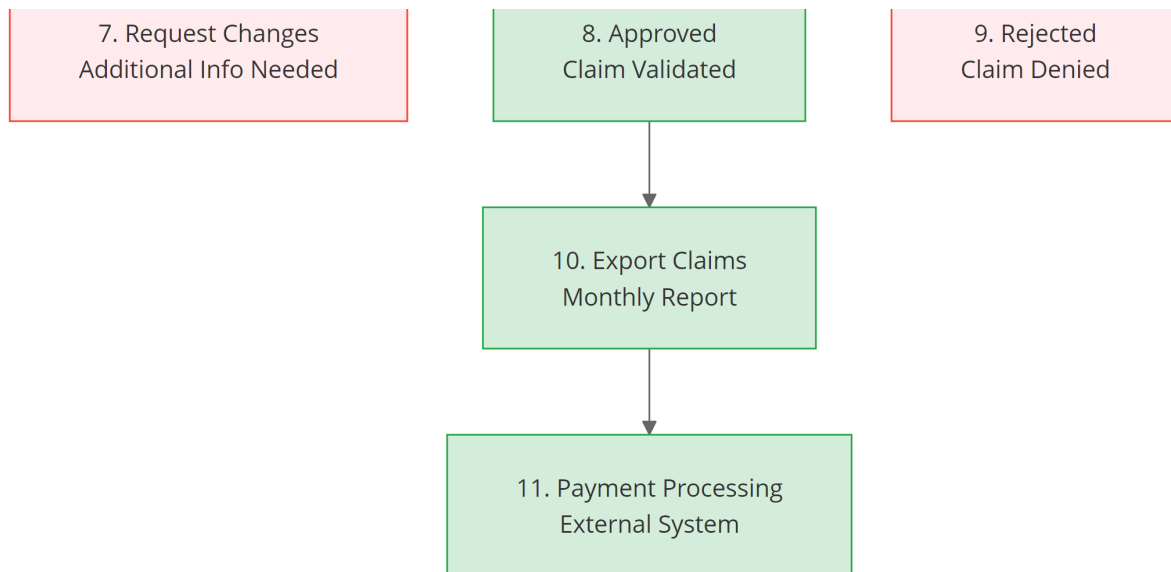
- All scores saved correctly
- Total score calculated: 85
- Status changes to "CDT Submitted"

Status: Pending

5. Test Cases - Chiller Management

The following test cases cover the Chiller Management workflow shown below:





Chiller Management Workflow - Test Coverage Reference

5.1 Monthly Photo Upload Tests

TC-CH-001: Upload Monthly Chiller Photos

Priority: Critical

Precondition: Sales user logged in, chiller assigned to user's region

Test Steps:

1. Navigate to Chiller menu
2. Select current month from filter
3. Select a chiller from the list
4. Click "เพิ่มรูป" (Add Photo) button
5. Select "Front" photo type
6. Upload front photo
7. Repeat for "Side" photo
8. Enter claim amounts
9. Click Submit

Expected Result:

- Photos uploaded to SharePoint
- Claim record created with status "Submitted"
- Amounts saved correctly

Status: Pending

TC-CH-002: Save Chiller Claim as Draft

Priority: High

Test Steps:

1. Navigate to Chiller menu
2. Select a chiller
3. Upload one photo only
4. Click "บันทึก" (Save) instead of Submit

Expected Result: Claim saved with status "Draft". Can be edited and completed later.

Status: Pending

TC-CH-003: Chiller Claim Approval

Priority: Critical

Precondition: Chiller claim in "Submitted" status, TradeOps user logged in

Test Steps:

1. Login as TradeOps user
2. Navigate to Chiller menu
3. Filter by "Submitted" status
4. Select a claim
5. Review photos and amounts
6. Click "Approve"

Expected Result: Status changes to "Approved". Claim ready for export.

Status: Pending

TC-CH-004: Chiller Claim Rejection

Priority: High

Test Steps:

1. Login as TradeOps user
2. Select a submitted claim
3. Click "Reject"
4. Enter rejection reason
5. Confirm

Expected Result:

- Status changes to "Rejected"
- Rejection notification sent to Sales
- Reason visible in claim details

Status: Pending

6. Test Cases - Administration

6.1 Shop Management Tests

TC-ADM-001: Add New Shop

Priority: High

Precondition: Admin user logged in

Test Steps:

1. Navigate to Shop menu
2. Click "+ Add" button
3. Enter Code: "TEST001"
4. Select Region: "North"
5. Select Channel: "LMT-LNE"
6. Enter Name: "Test Shop"
7. Enter Address: "123 Test Street"
8. Select Shop Type: "Semi WS"
9. Click "Add"

Expected Result: Shop created successfully and appears in the shop list

Status: Pending

TC-ADM-002: Edit Existing Shop

Priority: Medium

Test Steps:

1. Navigate to Shop menu
2. Select an existing shop
3. Click "Edit" button
4. Modify shop name
5. Click "Save"

Expected Result: Shop updated successfully with new name displayed

Status: Pending

TC-ADM-003: Delete Shop with Confirmation

Priority: Medium

Test Steps:

1. Navigate to Shop menu
2. Select a shop to delete
3. Click "Remove" button
4. Verify confirmation dialog appears
5. Click "Yes, Delete"

Expected Result: Shop deleted and no longer appears in the list

Status: Pending

6.2 Role Management Tests

TC-ADM-004: Assign Role to User

Priority: Critical

Precondition: Admin user logged in

Test Steps:

1. Navigate to Role menu
2. Click "+ Add User"
3. Select user from dropdown
4. Select role: "Sales"
5. Click "Save"

Expected Result:

- Role assignment created
- User appears in role list
- User can now access Sales features on next login

Status: Pending

6.3 Contest Configuration Tests

TC-ADM-005: Configure Contest Prizes

Priority: High

Test Steps:

1. Navigate to Contest menu
2. Select a contest
3. Click "Edit"
4. Modify Prize 1: 25000
5. Modify Prize 2: 15000
6. Modify Prize 3: 10000
7. Click "Save"

Expected Result: Prize amounts updated and reflected in contest details

Status: Pending

7. Test Cases - Power Automate Flows

TC-FLOW-001: Upload Contest Image Flow

Priority: Critical

Flow Name: THTradeUploadContestImage

Test Steps:

1. Trigger image upload from app
2. Verify flow execution starts
3. Check SharePoint for uploaded file
4. Verify metadata extraction (timestamp, GPS)

Expected Result:

- Flow completes successfully
- Image saved to correct SharePoint folder
- Metadata captured in Dataverse record

Status: Pending

TC-FLOW-002: Rejection Notification Flow

Priority: High

Flow Name: THTradeRejectionNotificationdisplay-contest

Test Steps:

1. As RFOE, reject a submission
2. Check flow run history
3. Verify Sales user receives email

Expected Result:

- Email sent to Sales user
- Email contains rejection reason
- Email contains link to submission

Status: Pending

TC-FLOW-003: Upload Reminder Flow

Priority: Medium

Flow Name: THTradeUploadReminder-15thRound1

Test Steps:

1. Manually trigger flow (or wait for schedule)
2. Check flow run history
3. Verify recipients received reminder emails

Expected Result: Reminder emails sent to all Sales users with pending submissions

Status: Pending

TC-FLOW-004: Export Monthly Claim Flow

Priority: High

Flow Name: THTradeExportMonthlyClaim

Test Steps:

1. Trigger export flow
2. Wait for flow completion
3. Check SharePoint for exported file
4. Open file and verify data

Expected Result:

- Excel file generated
- Contains all approved claims for the month
- Data formatted correctly for settlement processing

Status: Pending

8. Non-Functional Tests

8.1 Responsive Design Tests

TC-NF-001: Mobile Responsiveness

Priority: High

Test Steps:

1. Open app on mobile device (iPhone/Android)
2. Navigate through all screens
3. Verify layout adapts correctly
4. Test photo upload on mobile

Expected Result:

- All screens display correctly on mobile
- Navigation menu collapses to hamburger
- Buttons and inputs are touch-friendly
- Photo upload works from camera/gallery

Status: Pending

TC-NF-002: Tablet Responsiveness

Priority: Medium

Test Steps:

1. Open app on tablet (iPad/Android tablet)
2. Test in both portrait and landscape orientations
3. Navigate through all screens

Expected Result: All screens display correctly in both orientations with proper spacing and layout

Status: Pending

8.2 Browser Compatibility Tests

TC-NF-003: Browser Compatibility

Priority: Medium

Test Steps: Test the application on:

- Google Chrome (latest)
- Microsoft Edge (latest)
- Mozilla Firefox (latest)
- Safari (macOS/iOS)

Expected Result: Application functions correctly on all supported browsers without visual or functional issues

Status: Pending

8.3 Bilingual Support Tests

TC-NF-004: Thai Language Display

Priority: High

Test Steps:

1. Navigate through all screens
2. Verify Thai text displays correctly
3. Check Thai input in text fields
4. Verify Thai characters in exports

Expected Result: All Thai text renders correctly without garbled characters or encoding issues

Status: Pending

9. UAT Sign-Off

9.1 Test Execution Summary

Category	Total	Passed	Failed	Blocked	Not Run
Authentication & Authorization	4				
Display Contest	7				
Chiller Management	4				
Administration	5				
Power Automate Flows	4				
Non-Functional	4				
TOTAL	28				

9.2 Defects Summary

Severity	Open	In Progress	Resolved	Closed
Critical				
High				
Medium				
Low				

9.3 UAT Sign-Off Checklist

- ☐ All critical test cases have passed
- ☐ All high priority test cases have passed
- ☐ No critical or high severity defects remain open
- ☐ All Power Automate flows tested and working
- ☐ Mobile responsiveness verified
- ☐ Thai language support verified
- ☐ User documentation reviewed and approved
- ☐ Training materials prepared

9.4 Sign-Off Approval

Role	Name	Signature	Date
Business Owner (CDT)			
Project Manager			
QA Lead			
IT Lead			

Document End

For questions about this test document, contact IT W360 - X-Stream Ops.