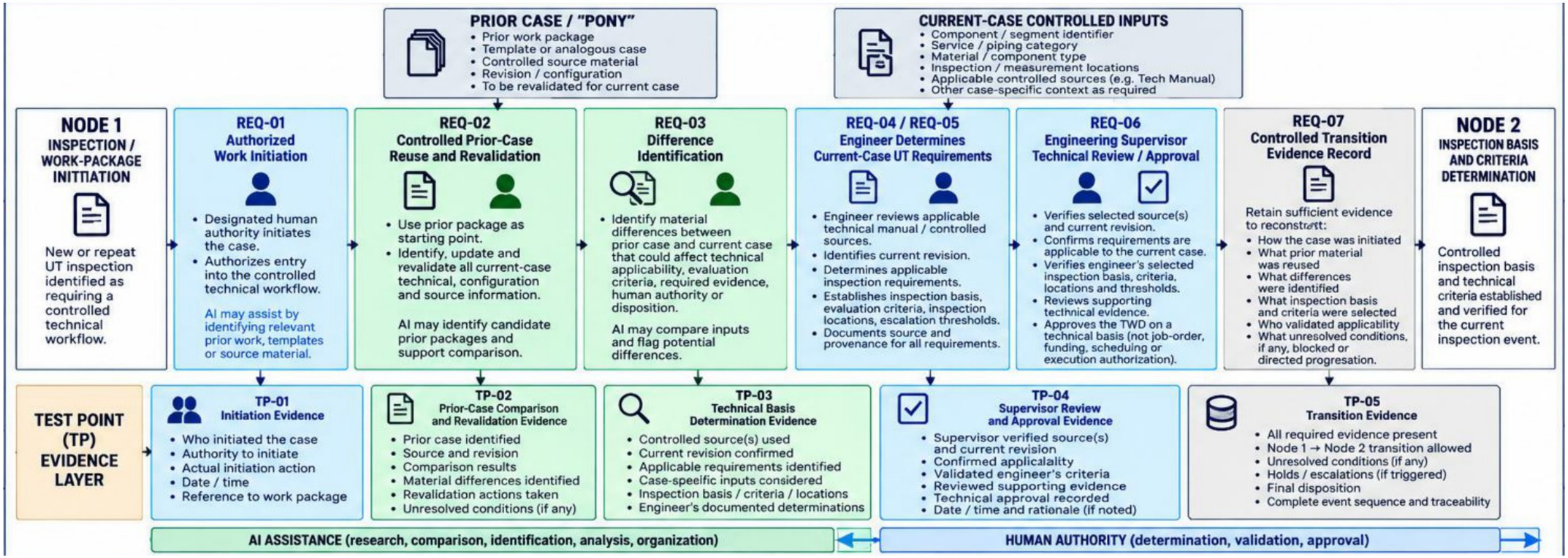
CONTROLPOINTAI We Map Data Flows.	PIPING UT DEMONSTRATION NODE 1 TO NODE 2 CONTROLLED TRANSITION	CONTROLLED ENGINEERING DRAWING AI-ENABLED ENGINEERING PROCESS DATA FLOW

PROCESS AND TEST POINT EVIDENCE



See Sheet 2 to check evidence and requirements

Control behavior, provenance and drawing notes: see Sheet 2.

Progression remains subject to all applicable requirements and evidence being satisfied.

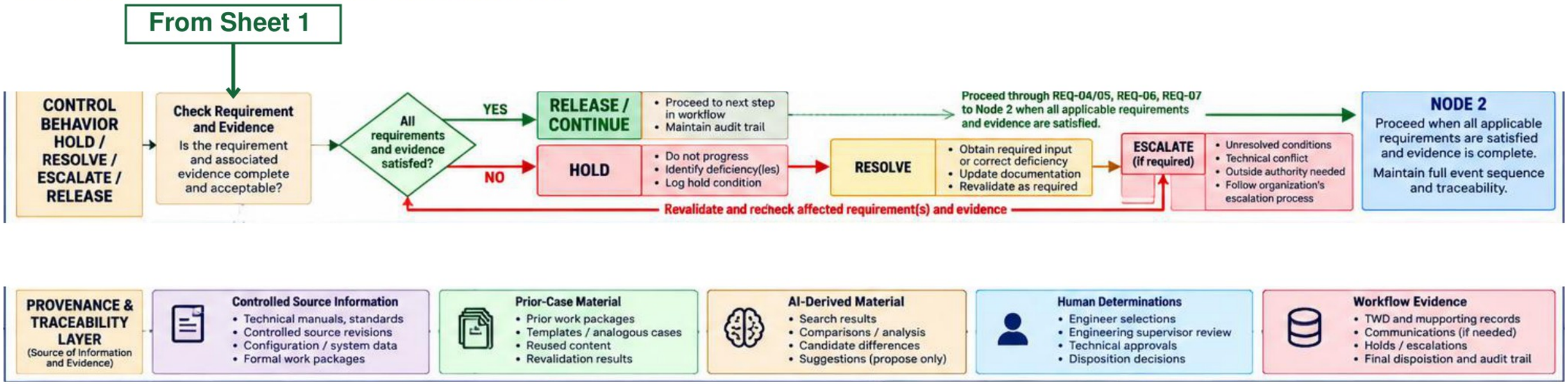
Applicable documents and revisions: see Sheet 3.

CP-UT-DFD-001

CONTROLPOINTAI We Map Data Flows.	**PIPING UT DEMONSTRATION** **NODE 1 TO NODE 2 CONTROLLED TRANSITION**		
	CP-UT-DFD-001	**REV A**	**1 OF 3**
REV A PREPARED: W. COUCH 11/07/2026	**CONFIGURATION STATUS**		
DRAWING REVIEW: N/A	**REV A**		
DRAWING APPROVAL: W. COUCH 11-8-26	REVISION DATE 11/07/2026		

CONTROLPOINTAI We Map Data Flows.	PIPING UT DEMONSTRATION NODE 1 TO NODE 2 CONTROLLED TRANSITION	CONTROLLED ENGINEERING DRAWING AI-ENABLED ENGINEERING PROCESS DATA FLOW

CONTROL BEHAVIOR AND PROVENANCE



NOTES:

1. THIS DRAWING REPRESENTS THE CONTROLLED NODE 1 → NODE 2 TRANSITION FOR THE PIPING UT DEMONSTRATION PROJECT.
2. **AI OUTPUT IS ADVISORY.** AI MAY SUPPORT RESEARCH, SOURCE COMPARISON, DIFFERENCE IDENTIFICATION, ANALYSIS, ORGANIZATION, AND EVIDENCE PREPARATION. AI DOES NOT ESTABLISH TECHNICAL AUTHORITY OR APPROVE PROGRESSION.
3. **TECHNICAL REQUIREMENTS ARE HUMAN-DETERMINED.** THE **ENGINEER** DETERMINES THE APPLICABLE CURRENT-CASE INSPECTION BASIS, REQUIREMENTS, CRITERIA, LOCATIONS, THRESHOLDS, AND SUPPORTING SOURCE/REVISION INFORMATION.
4. **REQ-06 IS TECHNICAL REVIEW/APPROVAL.** THE DESIGNATED **ENGINEERING** SUPERVISOR VERIFIES APPLICABILITY AND CURRENTNESS OF SELECTED TECHNICAL BASIS AND CRITERIA AND TECHNICALLY APPROVES THE TWD. THIS DOES NOT AUTHORIZE DOWNSTREAM JOB-ORDER, FUNDING, SCHEDULING, READINESS, OR WORK EXECUTION.
5. **TP-01 THROUGH TP-05 ARE LOGICAL OBSERVATION POINTS.** THEY DEFINE REQUIRED OBSERVABILITY AND EVIDENCE AND DO NOT, BY THEMSELVES, ESTABLISH ADDITIONAL SOFTWARE MODULES, SIGNATURES, OR APPROVAL AUTHORITIES.
6. **UNSATISFIED OR UNVERIFIED REQUIREMENTS BLOCK PROGRESSION.** DEFICIENCIES SHALL BE HELD, RESOLVED OR ESCALATED AS APPLICABLE, AND AFFECTED REQUIREMENTS/EVIDENCE REVALIDATED BEFORE RELEASE.
7. PROVENANCE AND TRACEABILITY SHALL BE MAINTAINED FOR CONTROLLED SOURCE INFORMATION, PRIOR-CASE MATERIAL, AI-DERIVED MATERIAL, HUMAN ENGINEERING DETERMINATIONS, AND WORKFLOW EVIDENCE.
8. THIS DRAWING DOES NOT SUPERSEDE THE CONTROLLED REQUIREMENTS BASELINE. THE APPROVED REQUIREMENTS AND SUPPORTING EVIDENCE DOCUMENTATION GOVERN IN THE EVENT OF CONFLICT.

Applies to the Node 1 to Node 2 process and TP-01 through TP-05 on Sheet 1.

Applicable documents and revisions: see Sheet 3.

CP-UT-DFD-001

CONTROLPOINTAI We Map Data Flows.	**PIPING UT DEMONSTRATION** **NODE 1 TO NODE 2 CONTROLLED TRANSITION**		
	CP-UT-DFD-001	**REV A**	**2 OF 3**
REV A PREPARED: W. COUCH 11/07/2026		**CONFIGURATION STATUS**	
DRAWING REVIEW: N/A		**REV A**	
DRAWING APPROVAL: W. COUCH 11-8-26		REVISION DATE 11/07/2026	

APPLICABLE DOCUMENTS AND REVISION STATUS

Revisions applicable to this Node 1 to Node 2 drawing configuration

APPLICABLE DOCUMENT / REQUIREMENT	REV	SUBJECT	STATUS / CAPTURE DATE
CP-UT-REQ-001-WP1 / REQ-01	-	Authorized Work Initiation	Working baseline / 09/20/2026
CP-UT-REQ-001-WP1 / REQ-02	-	Controlled Prior-Case Reuse and Revalidation	Working baseline / 09/20/2026
CP-UT-REQ-001-WP1 / REQ-03	-	Difference Identification	Working baseline / 09/20/2026
CP-UT-REQ-001-WP1 / REQ-04	-	Inspection-Basis Establishment	Working baseline / 09/20/2026
CP-UT-REQ-001-WP1 / REQ-05	-	Case-Specific Input Confirmation	Working baseline / 09/20/2026
CP-UT-REQ-001-WP1 / REQ-06	-	Human Validation of Applicability	Working baseline / 09/20/2026
CP-UT-REQ-001-WP1 / REQ-07	-	Evidence of Transition Decision	Working baseline / 09/20/2026
CP-UT-EDP-001 / REQ-01	-	Authorized Initiation	Working lock / 09/20/2026
CP-UT-EDP-001 / REQ-02	-	Controlled Prior-Case Reuse and Revalidation	Working lock / 09/22/2026
CP-UT-EDP-001 / REQ-03	-	Difference Identification	Working lock / 09/22/2026
CP-UT-EDP-001 / REQ-04	-	Inspection-Basis Establishment	Working lock / 09/22/2026
CP-UT-EDP-001 / REQ-05	-	Case-Specific Input Confirmation	Working lock / 09/22/2026
CP-UT-EDP-001 / REQ-06	A	Human Validation of Applicability	Owner approved / 11/07/2026
CP-UT-EDP-001 / REQ-07	A	Evidence of Transition Decision	Owner approved / 11/07/2026

1. “-” denotes the existing working revision convention. It does not assert formal issue of the working baselines.
2. This sheet identifies the versions applicable to this drawing. It is not a project-wide latest-revision register.
3. REQ-06 Rev A addresses controlled evidence accessibility. REQ-07 Rev A retains the evidence available at review.
4. Owner approved both subordinate Rev A documents on 11/07/2026. Proposed verification cases remain unexecuted.

REVISION HISTORY

A | PREPARED 11/07/2026 | APPROVED 11-8-26
Added Sheet 3 and applicable-document revision index. Updated all sheet counts, title blocks and cross-sheet references. Sheets 1 and 2 technical control logic unchanged.