

COMPLIANCE CRUCIBLE

WHITE PAPER

CC-EVAL-FATAL4-001 v1.0

Fatal Four Hazard Documentation Framework

Falls · Struck-by · Caught-in/Between · Electrocution

Scope and Application Brief

CC-WP-FATAL4-001-001 | Rev 0.1 | June 8, 2026

Authority: Four-family federal OSHA construction baseline | Jurisdiction: Federal baseline (state verification required)

DOCUMENTATION FRAMEWORK — SCOPE LIMITATION

CC-EVAL-FATAL4-001 is a hazard documentation framework. It produces documentation frameworks to support employer-managed recognition and documentation of the four leading causes of construction fatalities — falls, struck-by, caught-in/between, and electrocution. It does not determine compliance, certify a condition, authorize work, decide whether a hazard has been adequately recognized or controlled, perform inspection, or substitute for a competent person.

The employer retains sole and non-delegable responsibility for hazard recognition, control selection, competent-person determinations, and field implementation under 29 CFR 1926 and applicable state plans.

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What Is CC-EVAL-FATAL4-001?

CC-EVAL-FATAL4-001 v1.0 is the Fatal Four Hazard Documentation Framework built on the Compliance Crucible platform. The “Fatal Four” are the four hazard categories that account for the majority of construction worker fatalities each year as identified by the U.S. Department of Labor: falls, struck-by, caught-in/between, and electrocution. The tool provides a structured, authority-bounded documentation framework that helps employers and their competent persons organize, review, and preserve records documenting how Fatal Four hazards were recognized on a project, which conditions were observed, what controls were documented, what risk-assessment basis was recorded, and which federal authority references apply to each declared hazard category.

The tool is organized around four documented condition catalogs — one for each hazard family — totaling sixty documented condition items (sixteen falls, seventeen struck-by, fourteen caught-in/between, and thirteen electrocution). Each documented condition can be assigned a Risk Assessment Code (RAC) severity-and-probability basis and routed to the federal authority reference set selected for that hazard category. Its authority posture is federal OSHA construction baseline. State Plan requirements, owner and client requirements, insurance specifications, project specifications, or more protective local requirements must be independently verified by the employer.

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Intended Users

CC-EVAL-FATAL4-001 is intended for use by employers, safety managers, compliance managers, project managers, competent persons, or other designated employer representatives who need a structured documentation framework for documenting recognition of the four leading construction hazard categories and preserving the supporting record.

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What the Tool Produces

CC-EVAL-FATAL4-001 supports generation of the following outputs:

Field Package	Printable employer documentation package organized by hazard family, including documented conditions, observed-condition descriptions, control documentation, risk-assessment basis, linked authority references, and signature / acknowledgment blocks.
Review Bundle	Structured bundle presenting the documentation record, attested observations, findings, authority basis statement, and record log. Intended for internal audit, external-review preparation, or record defense.
Field Brief	Concise, field-facing crew brief summarizing what was observed and done, with open items identified for competent-person review.
Export JSON	Structured machine-readable export of the complete record, including all field entries, documented conditions and attested observations, authority references, lock hash, and chain integrity data.
Locked Record	Tamper-evident locked record with cryptographic hash and chain-of-custody integrity data.

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What the Tool Does Not Do

CC-EVAL-FATAL4-001 does not perform or substitute for any of the following:

- Determining compliance with any OSHA standard, or stating that employer records satisfy regulatory requirements
- Certifying that a condition is safe, controlled, or adequate
- Authorizing work, energization, entry, or any field activity
- Deciding whether a documented hazard has been adequately recognized or controlled
- Performing inspection, measurement, or field hazard assessment
- Selecting, designing, or approving hazard controls or protective systems
- Designating, training, or qualifying competent persons or other personnel
- Replacing employer field supervision, competent-person judgment, or site-specific evaluation
- Providing professional legal or engineering services

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Authority Boundary

Tool ID	CC-EVAL-FATAL4-001
Version	v1.0
Authority Posture	Four-family federal OSHA construction baseline

HAZARD FAMILY	PRIMARY FEDERAL AUTHORITY	AUTHORITY PACKET
Falls	29 CFR 1926 Subpart M (primary 1926.501)	SAP-FALL-1926.501-v1
Struck-by	29 CFR 1926 Subparts M / O	SAP-FATAL4-STRUCKBY-v1
Caught-in / Between	29 CFR 1926 Subparts I / Q / O	SAP-FATAL4-CAUGHTINBETWEEN-v1
Electrocution	29 CFR 1926 Subpart K	SAP-FATAL4-ELECTROCUTION-v1

Bridge References	General-industry standards (29 CFR 1910) are carried as bridge / comparator references only where appropriate, and are not primary authority for construction documentation.
Jurisdiction	Federal OSHA construction baseline. State Plan requirements may be more specific, more protective, or differently administered, and must be independently verified where applicable (state verification required).
Status	Preview / Member Release Pending

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Proper Use Cases

EXAMPLE — CONSTRUCTION FATAL FOUR HAZARD DOCUMENTATION REVIEW

A construction employer's competent person is walking a project and documenting the recognized falls, struck-by, caught-in/between, and electrocution hazards present in the planned work. The employer needs to organize documentation showing which conditions were observed, how each was categorized, what controls were documented, what risk-assessment basis was recorded, and which federal authority references apply to each hazard category — preserved as a tamper-evident record for the employer's program files.

The tool helps the employer structure, complete, and preserve that documentation. It does not decide whether the hazards have been adequately recognized or controlled, or whether work may proceed. Those decisions remain with the employer and its competent person.

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Improper Use Cases

CC-EVAL-FATAL4-001 should not be used as any of the following:

- A statement that a site, condition, or activity is safe, compliant, approved, or authorized to proceed

- A substitute for competent-person hazard recognition or field judgment
- A real-time work-control or hazard-clearance system
- A substitute for inspection, measurement, or field hazard assessment
- A substitute for selecting or designing hazard controls or protective systems
- A substitute for employee training or personnel designation
- A statement that employer records satisfy regulatory requirements
- A professional legal or engineering service

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Platform Access and Availability

CC-EVAL-FATAL4-001 is intended for member-gated access following final platform verification and Paul authorization. Active Compliance Crucible membership is required. The platform is organized around professional, authority-bounded documentation frameworks for construction safety, environmental compliance, DOT compliance, human resources, project management, and quality assurance and control domains.

This public white paper is a descriptive scope and application document only and intentionally does not disclose internal platform, database, security, or authority-adaptor implementation details.

SCOPE LIMITATION

This white paper is a descriptive scope and application document only. It is not regulatory guidance, a legal opinion, an engineering service, a certification, an approval, or an employer field decision. Requirements for recognizing and controlling falls, struck-by, caught-in/between, and electrocution hazards under 29 CFR 1926 and applicable state plans are complex and employer-specific. Independent verification of applicable requirements is required for every project and every employer.

Compliance Crucible LLC does not practice law, practice engineering, certify conditions, authorize work, or make employer field decisions.