

ODA3 INSTITUTE

LEGAL TEMPLATE

UAIF Defensive Publication Record

Template for Algorithm Prior Art Disclosure

UAIF-DPR-007 | Public

© ODA3 Pvt Ltd

Document Control

Document Reference	UAIF-DPR-007
Doc Type	Legal Template — Defensive Publication Record
Framework Tag	UAIF™ v1.0
Status	Published template
Publish Date / Review Cycle	Issued Q2 2026; updated 04 October 2026; review cycle: annual
Published By	ODA3 Pvt Ltd ODA3 Institute
Governing Law	India (default)
Contact	contact@oda3.org
Classification	Public

UAIF Defensive Publication Record

Template for Algorithm Prior Art Disclosure

Purpose of this template: ODA3 Institute (ODA3 Pvt Ltd) uses this template to place UAIF algorithms into the public prior art record, as part of its intellectual property policy under the GAISSE Ecosystem Licence (GEL) v1.0 and UAIF-IP-001 (UAIF IP Policy).

Defensive publication creates prior art from its publication date. It is intended to prevent any party — including ODA3 Institute — from obtaining patents on the disclosed method that could block conformant implementations of UAIF. It does not address patents held by third parties on other subject matter.

Each algorithm subject to this policy is published separately using this template and submitted to IP.com or an equivalent defensive publication database. Questions: contact@oda3.org.

Definitions

Term	Meaning
Defensive Publication Record (DPR)	A completed instance of this template, publicly disclosing one algorithm to establish prior art.
Algorithm Version	The identified version of the disclosed algorithm, tied to a repository tag or commit and an artefact hash.
Reference Implementation	The GEL v1.0-licensed code implementing the algorithm, where published by ODA3 Institute.
Correction Record	A DPR that corrects or supersedes an earlier DPR. Published DPRs are never withdrawn.

Part A: Publication Record Metadata

Field	Value
Publication Title	[ALGORITHM NAME — e.g. 'UAIF Diminishing-Contribution Context Modifier Algorithm']
Publication Reference	[e.g. ODA3-DP-001]
Publication Date	[DATE — this is the prior art date]
Authors / Inventors	[Names of individuals who developed the algorithm]
Assignee	ODA3 Pvt Ltd (ODA3 Institute)
Framework Version	[e.g. UAIF v1.0]
Algorithm Version	[Version identifier; repository tag or commit]
Artefact Hash	[SHA-256 of the disclosed reference implementation or specification artefact]
Classification (IPC)	[International Patent Classification code(s) — e.g. G06F 40/30]
Database Submission	[IP.com / Derwent / other — submission confirmation number once obtained; DOI if assigned]
Supersedes / Superseded By	[Earlier or later DPR reference, if any]
ODA3 Institute Non-Assertion	Covered by the patent non-assertion covenant in the UAIF Technical Specification (ODA3-2026-06-TCR-STD-002) Section 13.3 and UAIF-IP-001 (UAIF IP Policy) Section 4.1, under GEL v1.0. Where UAIF-IP-001 conflicts with GEL v1.0 or TCR-STD-002 §13.3, GEL v1.0 and TCR-STD-002 §13.3 prevail.

Part B: Technical Disclosure

This section must be completed in sufficient technical detail to establish prior art — that is, to enable a person skilled in the art to implement the algorithm from this disclosure alone, to a standard comparable to patent specification enablement. Incomplete disclosures do not establish robust prior art.

B.1 Technical Field

[Describe the technical field of the algorithm — e.g. 'This disclosure relates to multi-factor severity scoring systems for AI incident classification, specifically to methods for combining multiple contextual modifier values while preserving analytical differentiation and preventing score saturation.']

B.2 Background

[Describe the problem the algorithm solves and the prior art context — existing approaches and their limitations. This contextualises the algorithm and demonstrates novelty.]

Example Background (UAIF Context Modifier Algorithm): Prior AI incident severity scoring systems (including CVSS-derived approaches) apply contextual modifiers by simple addition or multiplication, leading to score saturation when multiple contextual factors are present. Saturation obscures analytical differentiation between compound and simple attacks. A method that preserves all contextual information in the score while preventing saturation was needed.

B.3 Detailed Description of the Algorithm

[Provide a complete, step-by-step description of the algorithm: inputs, processing steps, decision points, outputs and edge-case handling, with pseudocode or reference implementation code. The description must be sufficient to implement the algorithm without additional information.]

Element	Required Content
Inputs	List and type all inputs with valid ranges and constraints
Processing steps	Numbered sequential steps; each step must be unambiguous
Mathematical operations	Express all formulas in standard notation; define all variables
Decision logic	Document all conditional branches and their conditions
Outputs	List and type all outputs with precision requirements
Edge cases	Document behaviour for empty inputs, boundary values and invalid inputs
Test vectors	Provide sample inputs with expected outputs sufficient to verify an implementation
Complexity and determinism	State computational complexity and confirm deterministic behaviour, or document any non-determinism
Pseudocode	Provide language-agnostic pseudocode implementing the full algorithm
Reference implementation	Where published, reference the GEL v1.0-licensed reference implementation by repository tag and artefact hash. The UAIF reference implementation is developed but not yet published.

B.4 Claims Scope (Informal)

[Describe in plain language what aspects of the algorithm are being placed in the prior art record. This is NOT a patent claim — it is a plain-language description of the inventive concept being defensively published.]

Example Claims Scope: The following inventive concepts are placed in the prior art record by this publication:

1. A method of combining multiple contextual severity modifiers using a diminishing contribution factor, where each successive modifier contributes a fixed fraction (e.g. 50%) of the prior modifier's contribution, combined with a per-factor cap and a total sum cap.
2. The application of such a method to AI incident severity scoring, where the full set of applied modifiers and their individual contributions are recorded in a machine-readable audit trail regardless of their contribution magnitude.

B.5 Variations and Equivalents

[Describe obvious variations of the algorithm that should also be captured in the prior art record — e.g. different diminishing factors (33% instead of 50%), different cap structures, application to different scoring domains. This broadens the prior art and helps prevent narrow workarounds from being patented.]

Part C: Non-Assertion Statement

ODA3 Patent Non-Assertion — ODA3 Pvt Ltd. ODA3 Pvt Ltd (trading as ODA3 Institute) irrevocably commits that it will not file patent applications on the algorithm(s) described in Part B of this Publication Record, and that it will not assert any patent claims it owns or controls that read on the algorithm(s) described herein against any party implementing those algorithms in conformance with the UAIF specification as published by ODA3 Institute under the GAISSE Ecosystem Licence (GEL) v1.0.

This commitment is consistent with the patent non-assertion covenant in the UAIF Technical Specification (ODA3-2026-06-TCR-STD-002) Section 13.3 and UAIF-IP-001 (UAIF IP Policy) Section 4, under GEL v1.0. Where UAIF-IP-001 conflicts with GEL v1.0 or TCR-STD-002 §13.3, GEL v1.0 and TCR-STD-002 §13.3 prevail. Order of precedence: GEL v1.0, then TCR-STD-002, then UAIF-IP-001, then individual DPRs.

Prior art and covenant are separate. Part B establishes public prior art effective against all parties from the Publication Date. This Part C is a separate, unilateral non-assertion covenant by ODA3 Pvt Ltd, which binds its successors and assigns.

Scope. Versioning is determined solely by ODA3 Institute (GEL v1.0 Section 10.2). This commitment is irrevocable with respect to the UAIF version current at the date of this publication, including corrections and errata issued within that version.

No other rights. No patent licence is granted except as expressly stated in this Part C and in GEL v1.0. No rights under third-party patents are licensed or addressed. This commitment does not grant any right to use ODA3 Institute's trademarks, including GAISSE™, UAIF™, AI-IRF™, PAI-SF™, ODA3™ and ODA3 Institute (registration applications pending or common law marks, per GEL v1.0 Section 9.1); such use requires separate written authorisation consistent with GEL v1.0 Section 9.3.

Factual alignment. A party implementing a defensively published algorithm may make factual alignment statements (e.g. 'implements UAIF context modifier algorithm as described in ODA3-DP-XXX') without ODA3 Institute certification, consistent with GEL v1.0 Section 10.3. Use of UAIF Certified or UAIF-Compatible designations requires written authorisation from ODA3 Institute; no such designation is currently issued.

Part D: Submission Checklist

Step	Action	Responsible	Completed
1	Complete Parts A, B and C of this template	Inventor / ODA3 Institute legal	☐
2	Confirm inventors have assigned their rights in the algorithm to ODA3 Pvt Ltd and, where legally permissible, waived moral rights	ODA3 Institute legal	☐
3	Internal technical review — confirm the disclosure is enabling, including test vectors	ODA3 Institute technical lead	☐
4	Independent enablement check by a reviewer not involved in development	Technical reviewer	☐
5	Legal review — confirm IPC classification and scope	ODA3 Institute legal / external IP counsel	☐

Step	Action	Responsible	Completed
6	Submit to IP.com (or equivalent), selecting the defensive publication category, and obtain the confirmation number (and DOI where available)	ODA3 Institute legal	☐
7	Record the confirmation number, artefact hash and DOI in Part A	ODA3 Institute legal	☐
8	Publish the record on ODA3 Institute's official channel and announce it in the UAIF release notes	ODA3 Institute legal / communications	☐
9	File the completed record in the ODA3 Institute IP register and deposit an immutable, checksum-verified archive copy	ODA3 Institute legal	☐

Part E: Authorisation

ODA3 Institute Authorised Signatory (IP Policy Compliance)

Signature: _____

Name: _____

Title: _____

Date: _____

Email: _____

Technical Reviewer: _____

IP Reference Number: _____

Submission Database: _____

Submission Confirmation Number: _____

Archive and correction note: Completed and signed records are retained by ODA3 Institute indefinitely as evidence of prior art and of the non-assertion commitment. Published DPRs are not withdrawn; errors are addressed by a superseding Correction Record that references the original. File location: [ODA3 Institute IP register / official publication channel].