

ODA3 INSTITUTE

PRACTITIONER CHEAT SHEET

UAIF Severity Cheat Sheet

Quick Reference for Severity Scores, Harm Categories, and Calibration

CHT-UAIF-084 | Public

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Document Control

Item	Value
Document Identifier	CHT-UAIF-084 (legacy identifier retained for citation continuity)
Doc Type	Practitioner Cheat Sheet - Severity
Framework Tag	UAIF™ v1.0
Canonical Schema	uaif-core-v1.0.json (JSON Schema Draft 2020-12)
Canonical SHA-256	55056e7cfa4fcf4b76cc4656833cb5b360a1b40fa90f23488d488409ccebeeca
Normative Severity Reference	ODA3-2026-06-TCR-STD-002 - UAIF™ v1.0 Technical Specification
Companion References	TCR-UAIF-014 Data Dictionary; TCR-UAIF-015 Validation Rules Catalogue; CHT-UAIF-083 Classification Cheat Sheet
Publication History	Issued 14 July 2026; updated 04 October 2026
Review Cycle	On every schema or severity-model correction; otherwise annual
Audience	Analysts and implementers scoring UAIF Incident records
Licence	GAISSF Ecosystem Licence (GEL) v1.0
Contact	contact@oda3.org
Classification	Public

SCOPE BOUNDARY

This sheet is a quick practitioner reference to the published UAIF™ v1.0 severity model. The normative calculation is public in ODA3-2026-06-TCR-STD-002. The canonical JSON Schema enforces field structure and conditional presence; the one-decimal rounding rule and score computation are semantic/conformance requirements beyond generic JSON Schema validation.

Why This Matters

A severity result is only useful when analytical score, presentation score, level, harm categories, calibration status, and calculation rationale are interpreted consistently. This sheet summarizes those relationships without replacing the normative Technical Specification.

1. The Three Severity Outputs

Field	Type	Meaning
severity_analytical_score	0.0-10.0; one decimal	Primary analytical metric after dominant-harm anchoring and diminishing context contribution, before impact-scale/presentation adjustment.
severity_presentation_score	0.0-10.0; one decimal	Operational presentation metric produced by the normative calculation after temporal confidence reduction and impact scaling. It is not an arbitrary display-only adjustment.
severity_level	Integer 1-5	Operational triage tier mapped from severity_presentation_score using the published Severity Matrix.

For record_type = "Incident", the schema requires severity_analytical_score, severity_presentation_score, severity_level, and severity_rationale. For record_type = "Vulnerability", those fields are optional. Observation is not a normative UAIF™ v1.0 record type.

2. Severity Level Bands

Level	Presentation-score range
1 - Info	0.0 <= score < 2.0
2 - Low	2.0 <= score < 4.0
3 - Medium	4.0 <= score < 6.5
4 - High	6.5 <= score < 8.5
5 - Critical	8.5 <= score <= 10.0

IMPORTANT

severity_level is mapped from severity_presentation_score under UAIF™ v1.0; do not assign it independently.

3. The Eight Harm Categories

Category	Typical signal
Physical_Harm	Bodily injury, exposure to physical danger, or credible imminent risk of either.
Environmental_Harm	Release, contamination, or material environmental damage.
Security_Integrity	Compromise of confidentiality, integrity, or availability.
Privacy_Violation	Unauthorised exposure, use, or inference involving personal or sensitive data.
Financial_Loss	Direct or evidenced monetary loss.
Psychological_Harm	Evidenced distress, fear, or similar harm to an individual or group.
Property_Damage	Physical damage to assets, equipment, or facilities.
Reputational_Harm	Material reputational harm supported by evidence rather than assumption.

For Enterprise and Regulatory Incident records, realized_harm_categories is required. Core prohibits that L3 field. Within severity_rationale, dominant_harm and secondary_harms use the same eight-category vocabulary when those optional rationale fields are populated.

4. calibration_status

Value	Meaning	Required practitioner treatment
provisional	Weights have not been promoted to a sector-validated calibration state.	weight_provisional_notice is required in severity_rationale.
sector_validated	The record declares use of a separately validated sector calibration.	Record the applicable calibration source/evidence. The enum value alone does not prove regulatory acceptance or legal sufficiency.
custom	An organisation uses a locally modified or independently defined calibration.	Document the calibration source/methodology and do not present the result as an unmodified published sector calibration.

calibration_status is the only unconditionally required inner field of severity_rationale. Because severity_rationale is required for Incident records, every Incident severity rationale therefore carries a calibration status.

5. context_modifiers_applied - Exact Item Shape

If context_modifiers_applied is populated, each array item must contain exactly four fields: context, base_value, contribution_factor, and effective_contribution. The item object is closed; extra keys inside a modifier item fail schema validation.

```
{
  "context": "Prompt_Injection",
  "base_value": 1.2,
  "contribution_factor": 0.8,
  "effective_contribution": 0.96
}
```

The outer severity_rationale object itself is open, so permitted additional calculation/audit details may be recorded there. Do not place arbitrary narrative keys inside an individual context modifier object.

6. Rounding and Precision

- All decimal score fields use Decimal ROUND_HALF_UP.
- severity_analytical_score and severity_presentation_score are represented to one decimal place.
- Internal ratio/contribution values may use two decimal places where specified in severity_rationale.
- The canonical schema does not encode score precision as multipleOf: 0.1; use semantic/conformance tooling in addition to JSON Schema validation.

7. Normative Calculation - Practitioner View

The published v1.0 calculation follows this order: dominant-harm anchor -> capped secondary-harm contribution -> diminishing context contribution -> analytical/base score -> impact scale using the larger of population and blast-radius multipliers -> temporal confidence reduction -> presentation score -> severity level.

Implementations claiming unmodified UAIF™ v1.0 scoring should follow TCR-STD-002 rather than substituting collapsed single-score fields, arbitrary display adjustments, or local severity-level mappings.

8. Common Mistakes

Mistake	Correction
Treating severity_level as independent	It is mapped from severity_presentation_score using the published matrix.

Mistake	Correction
Treating presentation score as a cosmetic display value	It is a calculated operational metric after temporal confidence reduction and impact scaling.
Requiring realized_harm_categories for every Incident	Only Enterprise/Regulatory Incidents require it; Core prohibits it.
Using Observation with severity fields	Observation is not a normative UAIF™ v1.0 record_type.
Omitting weight_provisional_notice	It is required whenever calibration_status = provisional.
Putting extra keys in context_modifiers_applied items	Each modifier item is closed and permits exactly the four defined keys.
Assuming the schema alone checks one-decimal precision	Run the separate semantic precision check.
Treating sector_validated as proof of regulator acceptance	Calibration status is a framework/evidence state, not a legal or regulatory approval.

9. Notably Absent

- No dependency on an unpublished NOR-UAIF-008 scoring document. The normative v1.0 severity calculation is publicly documented in TCR-STD-002.
- No Observation record type.
- No universal realized_harm_categories requirement across all Incident profiles.
- No claim that sector_validated automatically means regulator-accepted, legally sufficient, or suitable for a filing.
- No arbitrary divergence between analytical and presentation scores; their relationship follows the published calculation.
- No assumption that schema validation alone enforces rounding/precision.
- No current certification status, legal compliance, external assurance, or approval is created by using this sheet. Certification is not currently offered; any future programme requires separate published governance.

SAFE DESCRIPTION

A severity assessment produced consistently with the published UAIF™ v1.0 calculation may be described as "mapped to the UAIF™ v1.0 severity model." Do not describe it as "UAIF-certified", regulator-approved, or legally sufficient solely because the model was followed.

10. Revision Note - 04 October 2026

This corrected reissue preserves legacy identifier CHT-UAIF-084 for citation continuity and aligns the sheet to the frozen canonical uaif-core-v1.0.json schema (SHA-256 55056e7cfa4cf4b76cc4656833cb5b360a1b40fa90f23488d488409ccebceca) and the published TCR-STD-002 severity calculation. It removes Observation; corrects the Incident/profile harm-category rules; replaces the obsolete 'step 0.1' schema framing with the one-decimal ROUND_HALF_UP semantic rule; makes severity_level explicitly dependent on presentation score; corrects the meaning of severity_presentation_score; removes dependency on unpublished/controlled NOR-UAIF-008 scoring logic; bounds sector_validated claims; updates Public classification/contact wording; and aligns the certification boundary with the current ODA3 position. No new UAIF normative behavior is introduced. GAISSE Ecosystem developed by ODA3 Institute, licensed under GEL v1.0.