

## MaxTune-SD\_TSD\_Kapitel-4.3\_v2.1 – Technical System Documentation

### Multi-Criteria Evaluation and Policy-Conformant Scoring

Version: 2.1 Effective from: 25.04.2025 Status: 100/100 – Approved Note:  
Compatibility with Max systems is based on documented interfaces, not fixed version bindings.

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### 4.3 Multi-Criteria Evaluation and Policy-Conformant Scoring

MaxTune implements a multi-criteria evaluation system to ensure each learning outcome is measured across several validated dimensions.

The evaluation process includes:

- functional accuracy (task-dependent)
- policy alignment (rule-driven)
- computational efficiency (resource impact)
- audit completeness (trace and rollback)

Each criterion has a distinct weight, which is:

- predefined by stakeholder policy
- bounded by MaxReg ceilings
- dynamically adjustable within certified thresholds

Scoring is policy-conformant:

- no positive score can override a critical policy violation
- scoring explanations are embedded in metadata
- all scores are reversible if audit rejection occurs

MaxTune thus transforms scoring into a system of accountability, not optimization. Evaluation is no longer a ranking—it's a regulated certification process.

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