

## MaxTune-SD\_TSD\_Kapitel-4.1\_v2.1 – Technical System Documentation

Evaluation Logic: Segmented, Weighted, Transparent

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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### 4.1 Evaluation Logic: Segmented, Weighted, Transparent

MaxTune applies a segmented evaluation framework, where each learning segment is assessed independently based on its policy alignment, technical coherence, and utility value.

Evaluation criteria include:

- policy compliance (mandatory)
- model performance (task-specific)
- resource efficiency (optional, context-bound)
- auditability (cross-segment baseline)

Weighting is dynamic but pre-authorized. Stakeholders can define segment weights, but cannot bypass mandatory audit or policy logic.

Each evaluation cycle produces:

- a segment-specific scorecard
- metadata for post-analysis
- reversible state marks

Transparency is enforced through:

- verifiable calculation logic
- non-weightable baseline dimensions
- full audit logs for each evaluated dimension

MaxTune does not hide behind metrics—it exposes reasoning, errors, and improvement paths explicitly and modularly.

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