

KEY VOCABULARY

Term	中文	Use
graph-constrained skill loading	图约束技能加载	Load knowledge by workflow position.
workflow topology	工作流拓扑	Dependency structure of the process.
graph proximity	图邻近度	Closeness to the current workflow node.
token budget	上下文 Token 预算	Limited context capacity.
attention saturation	注意力饱和	Too many overlapping constraints compete for attention.
regulatory compliance	监管符合性	Conformance with standards and controlled rules.
terminology precision	术语精确度	Correct standards-defined terminology.
derivation logic	派生逻辑	Rules transforming source into derived values.
metadata synthesis	元数据综合生成	Combining structured metadata across artifacts.
adaptive scheduler	自适应调度器	Selects task-relevant skills.
unbounded baseline	无约束基线	Broad context without workflow restriction.
compliance margin	符合性差值	Measured gap vs baseline.
inter-rater agreement	评估者一致性	Agreement between evaluators.
human-in-the-loop	人在回路	Expert review remains in the workflow.
machine-executable rule	机器可执行规则	Repeatable software rule independent of LLM judgment.

USEFUL PHRASES

- load only the knowledge relevant to the current workflow stage
- constrain context by process position
- trade a modest token increase for better compliance
- avoid redundant global instructions
- ground terminology in domain-specific rule files
- separate reusable knowledge from task-specific execution
- measure compliance rather than fluency alone
- route difficult metadata tasks to expert review
- validate generated artifacts with deterministic rules
- treat context selection as part of system design

COMPREHENSION QUESTIONS

- Why can workflow-position-based context improve compliance?
- What does the 12% token-cost increase mean?
- Why is the slight degradation from extra principles important?
- Why is metadata synthesis a harder boundary case?
- How can CORE provide independent validation?

RETELLING PROMPTS

30 sec: problem -> graph-constrained skills -> result. 45 sec: node -> skill selection -> generation -> validation -> review. 60 sec: explain why every CDISC document should not be loaded for every task.

5-MINUTE SPEAKING / OUTPUT TASK

Choose AE mapping, VISIT logic, ADAE TEAE, ADSL flags, lab BDS, or SDTM validation. Define: (1) always-load context, (2) node-specific context, (3) context to avoid unless needed, (4) deterministic validation, and (5) expert-escalation criteria.

ONE SENTENCE TO KEEP

In regulated AI workflows, context is not simply information to maximize; it is a controlled resource that should be selected by process position, validated by deterministic rules, and escalated to experts when ambiguity remains.