

COMPLIANCE WORKING RECORD

Security-log clock-skew checker

Fictional sample. Requires tailoring and responsible review.

Document control

Field	Value
Organization	Fictional Example Company
Document type	Security-log clock-skew checker
Document reference	16-additional-security-log-clock-skew-checker
Jurisdiction	United States
Version	2026-10-06.temporal-evidence.1
Status	Temporal review has unresolved rows
Prepared by	Fictional reviewer
Prepared on	October 6, 2026
Sources reviewed	October 6, 2026
Generated	October 6, 2026

Review source and method

Tool	Method	Source rows	Source columns
16-additional-security-log-clock-skew-checker	2026-10-06.temporal-evidence.1	3	3

Purpose and boundary

Compare paired log and reference timestamps for the same known event. Calculate signed offsets in milliseconds and flag offsets above your selected tolerance.

An observed timestamp difference does not establish clock error alone. Confirm the event pairing, reference clock, timestamp meaning and transport delays. The tool does not correct logs, synchronize clocks or infer a trusted source.

Frozen review inputs

Values over 400 characters are abridged in this summary. Complete supplied inputs remain in JSON.

Input	Value
Maximum absolute offset (seconds)	1
Reference clock and event-pairing basis	Fictional paired event IDs from the same test event. Fictional UTC reference clock.

Result

3 source rows assessed. 2 rows require review, including 1 unresolved rows.

- Compare paired log and reference timestamps for the same known event. Calculate signed offsets in milliseconds and flag offsets above your selected tolerance.

- Method revision 2026-10-06.temporal-evidence.1.

- Compare integer milliseconds. Exact tolerance boundaries pass. Input timestamps require seconds, Z or a numeric offset within 14 hours, and at most three fractional digits. Years 1900 through 2200. Leap seconds, -00:00, named zones and surrounding whitespace are unsupported. This restricted profile is not a complete RFC 3339 validator.

- References match exact source text. All duplicate references remain unresolved, including their first occurrence. Source rows count the header as row 1.

- Original values remain unchanged. Complete parsed source and results are preserved in JSON.

- An observed timestamp difference does not establish clock error alone. Confirm the event pairing, reference clock, timestamp meaning and transport delays. The tool does not correct logs, synchronize clocks or infer a trusted source.

Measure	Value
Source rows	3
Within selected limits	1
Review required	2
Unresolved	1

Detailed checks

This formal summary shows the first 100 rows, with source references and findings abridged after 400 characters. Complete result rows and parsed source values remain in Excel, CSV and JSON.

Source row and reference	Result	Calculated comparison	Finding
Row 2. fictional-001	Within tolerance	Signed 1000 ms. Absolute 1000 ms. Tolerance 1000 ms.	Signed offset equals event time minus reference time. Positive means the event timestamp is ahead. Negative means it is behind. Confirm reference accuracy and pairing.
Row 3. fictional-002	Above tolerance	Signed -1750 ms. Absolute 1750 ms. Tolerance 1000 ms.	Signed offset equals event time minus reference time. Positive means the event timestamp is ahead. Negative means it is behind. Confirm reference accuracy and pairing.
Row 4. fictional-003	Unresolved	Signed unresolved ms. Absolute unresolved ms. Tolerance 1000 ms.	Unsupported event timestamp

Responsible review

- Row 3. Signed offset equals event time minus reference time. Positive means the event timestamp is ahead. Negative means it is behind. Confirm reference accuracy and pairing.
- Row 4. Unsupported event timestamp

Assumptions

- Dates, paired event references and review limits are customer supplied.

Limitations

- An observed timestamp difference does not establish clock error alone. Confirm the event pairing, reference clock, timestamp meaning and transport delays. The tool does not correct logs, synchronize clocks or infer a trusted source.

Official sources

Source	Provision	Date	Link
RFC Editor: Date and Time on the Internet. Timestamps	Security-log clock-skew checker. A primary timestamp reference. The tool implements a bounded subset with explicit exclusions, not complete RFC validation.	October 6, 2026	https://www.rfc-editor.org/rfc/rfc3339
National Institute of Standards and Technology: Guide to Computer Security Log Management	Security-log clock-skew checker. Context for reviewing event correlation, clocks and timestamp significance. No maximum clock offset is inferred.	October 6, 2026	https://csrc.nist.gov/publications/sp/800/92/final