COMPLIANCE WORKING RECORD

# SBOM comparison tool

Fictional sample. Requires tailoring and responsible review.

### Document control

| Field | Value |
|---|---|
| Document type | SBOM comparison tool |
| Document reference | 17-sbom-comparison-tool |
| Jurisdiction | United States |
| Version | 2026-10-09.local-interchange.1 |
| Status | Named review prepared |
| Prepared by | Fictional Responsible reviewer |
| Prepared on | October 9, 2026 |
| Generated | October 9, 2026 |

## Purpose and boundary

Identify component and relationship changes between two supported release inventories.

Working results use exact local sources and explicitly selected versions. Originals remain unchanged in this browser. No source authenticity, population completeness, vulnerability exploitability, legal applicability, license conclusion, consent validity, food safety or external submission is established.

## Method and exact sources

Method revision 2026-10-09.local-interchange.1.

Validate both exact BOM documents first. Match component identities by versionless package URL when supplied, otherwise exact supplier and component name. Ambiguous identities remain unresolved. Compare component version, license, checksum and declared properties, then compare exact normalized dependency pairs. Preserve before and after document references and source paths. Invalid BOMs do not produce a complete release comparison.

Working results use exact local sources and explicitly selected versions. Originals remain unchanged in this browser. No source authenticity, population completeness, vulnerability exploitability, legal applicability, license conclusion, consent validity, food safety or external submission is established.

| Source | Filename | Bytes | SHA-256 |
|---|---|---|---|
| primary | fictional-earlier-bom.json | 581 | a7aa226e2bb682b2d5a644df27c3042cf0e30c92159d9dbcd40db9626f33221e |
| comparison | fictional-later-bom.json | 581 | 53564d477b1bf24ef201a5439bd97c8dce934413a00720220c4ae59f19ae24da |

## Frozen inputs

| Field | Value |
|---|---|
| Review reference | Fictional Review reference |
| Responsible reviewer | Fictional Responsible reviewer |
| Observation date | October 9, 2026 |
| Source and version scope | Fictional Source and version scope |

## Review result

5 source-linked findings. 0 unresolved or failed findings.

- Validate both exact BOM documents first. Match component identities by versionless package URL when supplied, otherwise exact supplier and component name. Ambiguous identities remain unresolved. Compare component version, license, checksum and declared properties, then compare exact normalized dependency pairs. Preserve before and after document references and source paths. Invalid BOMs do not produce a complete release comparison.

- Original files are unchanged. Working artifacts are separate and withheld when their required checks fail.

| Measure | Value |
|---|---|
| Original files | 2 |
| Working artifacts | 1 |
| Unresolved findings | 0 |

## primary components

The first 25 working rows appear here. Each working preview is limited to 1000 characters. Complete rows and all exact source values remain in Excel and JSON.

| Reference | Working result |
|---|---|
| pkg1 | reference pkg1; identity pkg:npm/fictional-component; name fictional-component; version 1.0; supplier ; license [{"license":{"id":"MIT"}}]; checksums []; properties []; path /components/0 |

## primary relationships

The first 25 working rows appear here. Each working preview is limited to 1000 characters. Complete rows and all exact source values remain in Excel and JSON.

## comparison components

The first 25 working rows appear here. Each working preview is limited to 1000 characters. Complete rows and all exact source values remain in Excel and JSON.

| Reference | Working result |
|---|---|
| pkg1 | reference pkg1; identity pkg:npm/fictional-component; name fictional-component; version 2.0; supplier ; license [{"license":{"id":"MIT"}}]; checksums []; properties []; path /components/0 |

## comparison relationships

The first 25 working rows appear here. Each working preview is limited to 1000 characters. Complete rows and all exact source values remain in Excel and JSON.

## Component changes

The first 25 working rows appear here. Each working preview is limited to 1000 characters. Complete rows and all exact source values remain in Excel and JSON.

| Reference | Working result |
|---|---|
| ["pkg:npm/fictional-component"] | identity ["pkg:npm/fictional-component"]; change Changed; before reference pkg1; after reference pkg1; before version 1.0; after version 2.0; changed fields version; before path /components/0; after path /components/0 |

## Source-linked checks

The formal report shows at most the first 100 named check rows and 400 characters per displayed field. Complete values, result columns, sources and output are retained in the Excel and JSON files.

| Reference | Result | Finding |
|---|---|---|
| primary | Retained | Complete parsed index and exact original bytes retained. |
| comparison | Retained | Complete parsed index and exact original bytes retained. |
| primary | Indexed | Supported schema and exact source lineage inspected. |
| comparison | Indexed | Supported schema and exact source lineage inspected. |
| ["pkg:npm/fictional-component"] | Changed | Exact component match and changed fields recorded. |

## Unresolved items and limitations

- Working results use exact local sources and explicitly selected versions. Originals remain unchanged in this browser. No source authenticity, population completeness, vulnerability exploitability, legal applicability, license conclusion, consent validity, food safety or external submission is established.

## Limitations

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# Official sources

| Source | Provision | Date | Link |
|---|---|---|---|
| RFC Editor: Common Format and MIME Type for CSV Files | Supports CSV interchange only. It specifies no approved domain population, legal criterion or task decision. | October 9, 2026 | https://www.rfc-editor.org/rfc/rfc4180 |
| OWASP CycloneDX: CycloneDX 1.6 JSON schema | Supports CycloneDX 1.6 structure only. No inventory completeness, authenticity or vulnerability conclusion is inferred. | October 9, 2026 | https://github.com/CycloneDX/specification/blob/1.6/schema/bom-1.6.schema.json |
| SPDX: SPDX 2.3 JSON schema | Supports SPDX 2.3 structure only. External document identity, component authenticity and population completeness remain unverified. | October 9, 2026 | https://github.com/spdx/spdx-spec/blob/v2.3/schemas/spdx-schema.json |