Configuring components and SBOM

Fictional case data and worked reasoning

The manufacturer of a measuring station compares the release package with the SBOM. The delivery file for the station and the remote process necessary for evaluation contain a total of nine direct libraries. The exported list contains eight entries. According to the packet protocol, the missing data library is included in the remote process. The supplier provides a corrected file. The remote process must be compared with exactly this version.

Test point	Purpose or comparison	Observation	Decision
Direct dependencies	9 open in the delivery manifest	8 in the SBOM dossier	
Data collection	Unique version in the remote process		Add entry and proof to the package
Supplier's correction	Changed export available on the delivery product		Repeat version match

Expected result

Version-related bit list with documented correction and repeated package comparison.

Record expected components from the delivery packages.

Compare version, location and role of the component with the SBOM entry.

Close deviation with supplier change and rematching the package.

Counter-test and next decision

Complete the ninth position with the library version from the test system. The number is correct, but the version balance keeps the position open until confirmation.

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For your observation, specify a findable document.

Compare package manifest, machine readable SBOM and version of the component actually delivered.

Verification identification, legal entity and date of processing and responsible body

Product, delivery and location of the build

Component, level and confirmed delivery

SBOM output, format and missing positions

Allocation to device, app or remote processing

Third-party component information, maintenance notification and own testing

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Refer remedial and post-test to the original test order.

Findings and supporting evidence

Correction, changed export and responsible person

Tested follow-up test with date, observation and version documentation

Confirmed total scope and second package comparison

Release by and on the open order and date