

Detailed Explanation of Use Case — Evidence-Case Matching Quality Evaluation

USE CASE: EVIDENCE-CASE MATCHING QUALITY EVALUATION

Axon is developing a capability to help investigators find evidence that may be relevant to their active cases. Before rolling this capability out more broadly, Axon needs to measure how well the matching actually works using real-world case data — without requiring any action from agency personnel and without modifying any data in Axon Evidence.

WHAT IS THE CUSTOMER BENEFIT?

Evidence-Case Matching helps investigators surface potentially relevant evidence for their active cases — finding critical leads hidden across large volumes of digital evidence, without requiring additional work from patrol officers. To deliver this effectively, Axon must measure whether the system correctly identifies the most relevant evidence for a given case. This use case establishes a quality baseline so Axon can identify weaknesses and improve the system before broader rollout, ultimately delivering a more accurate and reliable investigative tool to agencies.

WHAT DATA WILL AXON ACCESS?

Axon will access the transcriptions generated from your uploaded video and audio evidence — including body-worn camera footage, in-car video, interview room recordings, and other audio/video. For each transcription, the associated date, time, and location will also be accessed. Axon will also access your case information, including case descriptions, case notes, case tags, case status, and the record of which evidence items are associated with which cases. No video, audio, or image files are accessed — only the text transcriptions and case information described above.

HOW WILL AXON USE YOUR DATA?

Axon will evaluate the effectiveness of its evidence-matching system by determining whether evidence already known to belong to a case can be successfully rediscovered by the matching system when that evidence is not already associated with the case. This is done entirely within a read-only copy of your data — nothing in Axon Evidence is modified, moved, reclassified, or deleted at any point. The evaluation works by analyzing transcriptions, case descriptions, and case notes and extracts information which can be used to locate similar items. For each selected case, the system temporarily sets aside a single evidence item and then tests whether the system can correctly match the set-aside item back to its original case. The reverse is also tested: given the case without the set-aside item, can the system find the missing evidence?

The only output reviewed by Axon employees is a set of summary statistics containing match quality scores, ranking positions, case tags, and item counts.

WHAT PRIVACY PRESERVING TECHNIQUES WILL BE USED?

This use case employs multiple layered privacy protections:

- **Read-Only Processing** — No changes are made to live [Evidence.com](#) data, case organization, or user experience. The evaluation system has **read-only access** to [Evidence.com](#) and cannot write back any changes.
- **Anonymized Agency Identifiers** — Agency identifiers are replaced with random codes at the start of processing.
- **Tag Frequency Threshold** — Agency-defined case tags are only included in output data if a given tag appears at least 20 times within the processed dataset, preventing rare tags from being used to identify specific cases.
- **Case Details Removed from Results** — Only the count of evidence items per case, the type of each item, case tags and the match quality score are included in results.
- **Human Review Limited to Summary Statistics Only** — The only data reviewed by Axon employees is summary statistics: match quality scores, ranking positions, tags, and item counts.

HOW MUCH DATA AND FOR HOW LONG?

Transcriptions, case data and generated matching data is stored only within the customer boundary in time-limited storage and automatically deleted after 7 days. They are not exported outside the customer boundary. Processed data is never written back to Axon Evidence or made available to agency users.

CAN I GET MORE INFORMATION ABOUT WHAT AXON IS DOING AND WHY?

Absolutely! Please write us at aceip@axon.com.

AM I ABLE TO WITHDRAW MY AGENCY FROM THIS USE CASE AND FROM ACEIP ALTOGETHER? WHAT WILL YOU DO WITH MY DATA IF I WITHDRAW?

Absolutely! If at any time you'd like to withdraw, please write us at aceip@axon.com. Upon withdrawal:

- All transcript and case data and processed data will be deleted within 30 days.
- Summary statistics that have already been aggregated and de-identified will be retained
- Your original data (Customer Content) in Axon Evidence will remain completely unchanged and unaffected.

EXAMPLES OF WHAT DATA AXON MAY OR MAY NOT EXTRACT

Data Produced (Outputs Reviewed by Axon Employees)

	Output Field	Description	Example Value	De-identification Technique
1	Pseudo-Agency ID	Random code representing the agency; not traceable to the actual agency	3f9a12c7	Replaced with a random code; link to real ID is never stored
2	Case Status	Status of the case	Tried-Won	None (limited set of fixed values)
3	Tags	Agency-defined case categories	burglary, armed-robbery	Only included if tag appears ≥ 20 times
4	Count of Case Artifacts	Number of transcriptions associated with the case	9	None (numeric count only)
5	Match Rank	Where the correct case appeared in the ranked results	3	None (numeric rank only)
6	Match Confidence	How confident the system was in the match	0.95	None (numeric score only)

Data Accessed (Inputs)

	Data Field	Accessed	Exported	Purpose
1	Agency ID	Yes	Anonymized	Grouping results by agency
2	Case Status	Yes	Yes	Grouping results by case outcome
3	Case Tags	Yes	Yes	Categorization and CSAM/juvenile filtering
4	Case Description	Yes	No	Identifying key details for matching
5	Case Notes	Yes	No	Identifying key details for matching
6	Which Evidence Belongs to Which Case	Yes	No	Understanding case structure for quality testing
7	Evidence Transcriptions	Yes	No	Identifying key details for matching
8	Evidence Date/Time	Yes	No	Time-based context for matching
9	Evidence Location	Yes	No	Geographic context for matching
10	Count of Transcriptions per Case	Yes	Yes	Case size context
11	Officer Names	No	No	Not accessed
12	Suspect/Victim Names	No	No	Not directly extracted; may appear in transcriptions but are not exported
13	Evidence Files (video, audio, images)	No	No	Not accessed; only transcriptions are used

For questions about this use case or ACEIP, contact aceip@axon.com.