

Evidence Marker Data for TREND

Use Case: Incorporate depersonalized evidence-marker data into TREND (TASER Research Evaluation and Data Program) so that TASER deployments can be seen on a shared incident timeline alongside other recorded force options, grouped by your agency's own case.

What is the Customer benefit? Agencies benefit in three ways. First, agencies see TASER use in the context of every other force option recorded against the same case, grouped the way the agency itself grouped it, rather than by Axon inferring which events belong together from device serial numbers and clock times. Second, because the anonymized records keep track of which officer did what within an incident — under a substitute label, never a name — agencies get analysis of how a sequence of force decisions actually unfolded, not just that several events happened near each other. Third, none of this requires any additional officer data entry or any change to existing workflows.

What data will Axon access? Axon will access anonymized evidence-marker metadata: the type of signal event, the type and category of device that raised it, its position on the associated recording's timeline, the device session, and anonymized keys that group markers to the same recording and the same case. Markers hold only timestamped event metadata.

How will Axon use your Data? Axon uses your anonymized marker data to place TASER deployments on a shared incident timeline with the other force options recorded against the same case, to understand how a sequence of force decisions unfolded between officers within an incident, to measure how reliably device signalling produces correctly associated evidence so that automatic association can be improved, and to validate the existing TREND force-continuum models against an independently grouped source of the same events.

What Privacy Preserving Technique will be used? No personally identifiable information (PII) is exported. All marker, case, and note data passes through a documented depersonalization pipeline that runs entirely inside the government-cloud (US1) boundary; the team only ever sees the depersonalized output. Depersonalization happens before export and raw records never leave the boundary. Only approved, depersonalized fields are written to Axon storage.

- **Exclusion first.** Restricted evidence, and anything flagged as juvenile or CSAM, is filtered out before extraction rather than redacted afterwards.
- **Consistent pseudonymization.** Officers, badge numbers, and record authors are replaced with substitute labels that are consistent within one case and reassigned in every other case. The mapping table stays inside the government-cloud boundary and is never exported.
- **Salted hashing, one salt per agency.** Applied to the agency identifier, the case identifier, the recording identifier, the marker identifiers, and the device serial number. Stable so records can be grouped; salted per agency so the same device produces different values for different agencies.
- **AIMS text redaction.** Applied to case notes, marker titles, and any free text found in marker metadata, removing the standard PII categories while keeping the substance.
- **Timestamp offsetting, then rounding.** Absolute wall-clock times are replaced with relative offsets from the start of the case, then rounded — to the nearest second for times describing when something happened, and to the nearest 15 minutes for times describing only when a record was written or edited. Rounding matters because an exact millisecond offset could still be

matched against your own audit log to work back to the absolute time. Positions within a recording are kept exact because they are already relative and carry no clock time.

- **Generalization to bands.** Where an exact value would narrow to a single incident, it is coarsened to the band the analysis actually needs. Time of day is exported as a six-hour band and a weekday/weekend flag, both worked out from the case start, which is then discarded. No date and no clock time is exported.
- **Field-level review with no default.** Every field has an explicit decision to hash, pseudonymize, redact, generalize, or keep. An event type Axon has not yet reviewed causes that marker to be held back rather than exported unclassified, and text that still contains detectable PII after redaction halts processing until it is reviewed. Nothing is ever exported by default.
- A named decision for each key in the marker metadata. Markers carry a small free-form metadata field. It holds three values: the status of the extracted record, the marker's original classification, and a reference to the recording it points at. The first two are kept only when they match a reviewed list of expected values; the reference is anonymized with the same key as every other recording reference, so it cannot be traced back. A key Axon has not reviewed and published a decision for is withheld from the export, so nothing new can reach Axon unreviewed.

Can I get more information about what Axon is doing and why? Absolutely! Please write us at aceip@axon.com and we'd be happy to answer your questions.

Am I able to withdraw my agency from this use case and from ACEIP altogether? If at any time you'd like to withdraw, please write us at aceip@axon.com.

Do you have examples of what data Axon may or may not extract? Yes. The table below shows representative fields, what they look like in your agency's records, and what they look like after depersonalization. All identifying fields are depersonalized before anyone at Axon sees them; fields that carry no individual identity are kept as-is because they are needed for analytics.

	Original Customer Data	Extracted Data
Case Grouping	Case ID: 9f2c81d4-... Recording ID: 775df571-b023-497e-8ef9-4da3b3481ab2	Case ID: <code>salted_hash("9f2c81d4-...")</code> Recording ID: <code>salted_hash("775df571-...")</code> — stable per case and per recording, one salt per agency
Agency Identity	Agency ID: 007915b0-	Agency ID: <code>salted_hash("007915b0-...")</code>
Device Identity	Serial number: T19H03296 Device model: Signal Sidearm	Serial number: <code>salted_hash("T19H03296")</code> — stable per-device hash, one salt per agency Device model: <code>Signal Sidearm</code> — kept, needed to tell a firearm holster from a baton or OC spray
Officer Identity	Officer name: Tommy Nguyen Badge number: 1122345 Email: tommy@axon.com	<code>officer_1</code> and <code>badge_1</code> — substitute labels, consistent within this case only, reassigned in every other case Email: replaced by <code>officerEmailPresent: true</code> ; the address itself is never extracted

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Record Author	Last updated by: Tommy Nguyen, or an automated service	actor_1 with actorType: service or person — the label is case-scoped; only whether a human or a system wrote the row is analytically retained
Markers With No Officer Recorded	Marker where your record holds no officer for the device at that moment	officerAlias: null with officerAttributionPresent: false — no substitute label is invented. Axon does not guess who was involved, and does not treat several unattributed markers as though they were the same person
Event Timing	Marker created: 2026-03-19T21:24:48Z Device clock: 177404188	Marker created: 0 — 15-minute rounded offset from the start of the case Device clock: +26 seconds from the start of the case
Date and Time of Day	Case created: 2026-03-19T21:17:48Z (a Thursday evening)	caseTimeOfDayBand: 18:00-00:00 and caseDayType: weekday — the band is worked out from the case start and the timestamp itself is then discarded. No date and no clock time is exported
Position on Recording	Timeline offset: 32502 ms into the recording	Timeline offset: 32502 — kept unchanged; already relative to the recording, carries no absolute time
TASER Signal Event	signalSource: SIGNAL_SOURCE_TASER10 signalType: SIGNAL_TRIGGER_TYPE_ARC signalDeviceSessionId: 258	signalSource: SIGNAL_SOURCE_TASER10, signalType: SIGNAL_TRIGGER_TYPE_ARC, sessionId: 258 — kept (timing offset applied)
Signal Sidearm Draw Event	signalType: SIGNAL_TRIGGER_TYPE_DRAW, BATON, PEPPERSPRAY, HANDCUFF eventType: WeaponTransition	signalType: SIGNAL_TRIGGER_TYPE_DRAW, eventType: WeaponTransition — kept; this is the force-continuum context TREND needs
Case Notes	Responded to a disturbance call at 41 Bridge St. Michael Doyle, DOB 14/03/1991, refused verbal commands and advanced. Ofc. Nguyen deployed CEW after sidearm was	Responded to a disturbance call at [LOCATION]. [PERSON] refused verbal commands and advanced. officer_2 deployed CEW after sidearm was drawn and re-holstered. — AIMS-redacted; the account of what happened is kept, the identities in it are not

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	drawn and re-holstered.	
Marker and Chapter Notes	Suspect Doyle raises hands - 2 min mark	[PERSON] raises hands - 2 min mark — AIMS-redacted
Marker Metadata	marker_metadata: status: AVAILABLE, originalType: ARMED, evidenceId: 8f3c1a92-...	status and originalType kept — fixed Axon vocabularies that read the same for every agency. evidenceId anonymized with the same key as every other recording reference, so it groups correctly but traces back to nothing. Any other key is withheld; only the fact that it appeared, and whether it held text, digits, or a true/false value, is recorded so a decision can be written
Internal Device ID	signalDeviceId: 00000000-0000-0000-0000-000000000000	deviceIdPresent: false — the identifier is never extracted; only whether it resolved, which tells Axon where device lookup is failing
Marker Type and Clip Status	type: text_marker status: AVAILABLE, extractionStatus: READY, evidenceStatus: AVAILABLE	Kept unchanged — these are fixed Axon vocabularies that read the same for every agency. They say what kind of marker it is and whether the recording or clip still exists, so a deleted clip is not read as evidence of something that happened