Detailed Explanation of Use Case - ALPR Read Record Understanding

1. **Use Case:** Understanding license plate read errors from Axon customer devices the field
2. **What are ALPR Read Records?** Automatic License Plate Recognition (ALPR) enables Fleet / Outpost cameras to detect vehicle license plates from video streams and read the text, state of origin (SOR) and other attributes into a record. An ALPR error case is a record containing incorrect attributes about the license plate.
3. **What is the Customer benefit?** Axon can identify ALPR read errors seen by our customers so that we can fix the errors more quickly, and improve ALPR system read accuracy.
4. **What data will Axon access?** Axon will access ALPR data entries from customer database, which contains: (1) images captured by Fleet / Outpost camera, (2) ALPR read result and metrics, (3) user-correction, and (4) state level location of the reads.
5. **How will Axon use your Data?** Axon will analyze the ALPR error cases and generate weekly / monthly reports based on the findings. The report can include:
    a. Description of the found error cases: what is read incorrectly, what kind of plate is it, how frequently it appears, etc.
    b. Sample license plate images that show the read error with half of the license plate masked, to prevent leaking full license plates.
6. **What Privacy Preserving Technique will be used?** A computer program is run to access only the part of your data required for this use case. The following privacy preserving techniques will be used:
    a. Anonymization: Actual IDs that can be used to trace back customer / data source are replaced with fake IDs, making them anonymous.
    b. Obfuscation: Only left/right half of the license plate image and text will be exported for Axon's review, making sure the license plate information cannot be used to trace back to a customer / individual. For any license plates that are 3 digits or shorter, we will not export any data.
7. **How much data and for how long?** The anonymized and obfuscated data will be kept by Axon for up to 1 year.
8. **Preservation of original content & temporary copies:** Original content is not altered or removed. Temporary copies during the analysis phase are removed once the processing is complete, which will not exceed 30 minutes.
9. **Can I get more information about what Axon is doing and why?** Absolutely! Please write us at aceip@axon.com
10. **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 after the fact?** Absolutely! If at any time you'd like to withdraw, please write us at aceip@axon.com. We will delete any extracted data we have while preserving your original data (e.g. Customer Content) in Axon Evidence. Insights that have been extracted, de-identified, and are privacy preserving will be retained indefinitely .
11. **Do you have examples of what data Axon may or may not extract from ALPR Read Record?** Yes, see the table below:

	Description	Example
Pseudo Agency ID	a fake ID to replace actual customer / user ID	abcdef-0123
Half plate Image	Either left or right half of the plate image. It's no longer possible to reconstruct the license plate	
Correct / Incorrect Flag	User supplied flag indicating if the read is correct	Yes / No
Half of Customer Corrected Read	Half of Customer typed corrected license plate	3SAM
ALPR SOR read	State of origin read by ALPR	"California"
Half of ALPR reads	Half of ALPR read result, which can be correct / incorrect	35AM
ALPR read confidence	a score between 0-1, showing how confident ALPR believe the read is correct	0.99
Serial Format	Position of letter and numbers of the full plate (@ for alphabets and # for numbers)	#@@@###
Blurriness	A value describing the blurriness of the image, which indicates whether the plate is clear	0.1
Brightness	A value describing the blurriness of the image, which indicates the lighting condition	0.1 (Dark); 0.5 (Dusk); 0.9 (Bright)
State location	Which state this ALPR record is from	California