HOW TO.

Set up and use Axis Body Worn System CAD integration in AXIS Camera Station Pro

Contents

Introduction

This document explains how to set up an Axis body worn system Computer-aided Dispatch (CAD) integration in AXIS Camera Station Pro.

The Body Worn component for ACS Pro from version 6.13 onwards supports Computer-aided Dispatch (CAD) integration to categorize Body Worn camera recordings based on dispatch data. The integration monitors a specified export folder, which should be periodically updated with data exported from the CAD system. For every new export from the CAD system (and update of the file) the component reads the content and matches recordings in ACS Pro to the different dispatches in the file. Each entry in the export maps to one dispatch for an officer and given the officer's name and the time interval for the dispatch, recordings can be identified to belong to a certain dispatch. The dispatch entry should also contain the category to be set on the recording. Since every category may have its own retention time, the recording can be kept on the server for longer than the default retention time set on the camera. The found recordings will also be linked to the dispatch and the case ID, if such should exist.

It is recommended to export data from the CAD system multiple times per day. The export should include the same information each time to make sure the recordings have been properly offloaded from the camera, since the recording must exist in ACS Pro before it can be matched and categorized.

It is recommended to include all data that has been entered or changed over the past 3-6 days depending on the routine of how often recordings are offloaded from Body Worn cameras.

Note that recordings may exist outside of dispatches in which case it is up to the user to manually make sure the categorization (and thus retention time) is correct.

Prerequisites

- Axis body worn system is installed and integrated with ACS 6.13 or later.
  https://help.axis.com/en-us/axis-body-worn-solution#install-your-system
  https://help.axis.com/en-us/axis-camera-station-pro-integrator-guide#set-up-an-axis-body-worn-system
  https://www.axis.com/products/axis-camera-station-pro#download-block

- AXIS Body Worn component for ACS
  AXIS Body Worn Component on ftp.axis.com

Prerequisites

AXIS Camera Station Pro 6.13 or later

AXIS Body Worn component for ACS matching ACS Pro version {major.minor} , e.g. 6.13

1. Install AXIS Body Worn component

1. Go to https://www.axis.com/ftp/pub_soft/bw/ACS6/AXISBodyWorn/ and download *AXISBodyWorn-{version}.zip*
2. In ACS Pro, go to **Configuration > Server** > **Components**
3. Turn on **Show components**
4. Click **Add > Browse... >** select the downloaded zip-file *AXISBodyWorn-{version}.zip*
5. Wait for the component to be installed and for the Status column to show Stopped
6. Select "**AXIS Body Worn**" > click **Start...** > **Yes**
7. Wait for the Status column to show Running

2. Set up CAD integration

1. In ACS Pro, go to **Configuration > Body worn > CAD integration**
2. Click **Setup integration**
3. Select CAD file format, CSV or XML and click **Next**
4. If shared network drive is used, enable it and fill in username and password of the user that has access to the CAD folder
5. Fill in all fields for the CAD file:
   - Path to the folder where your CAD files are stored
   - Name of the file that contains your CAD data *(only for CSV)*
   - Column separator *(only for CSV)*
6. Click **Next**
7. Select an example of a dispatch file in XML format *(only for XML)*
8. Select the identifier for the value as shown in your CAD file (see more info under Appendix - CAD File Information
   - Officer name
   - Event ID
   - Call category
   - Dispatch time
   - Clearance time
   - Case number
9. Click **Finish** and then **Apply**

3. Daily use

In the ACS Pro client Press + to open a new tab and select CAD recordings to review the data processed by the CAD integration.

Shown in this table are all recording events that have been automatically categorized and mapped by the component, which officer (camera) the recording belongs to, the CAD dispatch ID, case number, dispatch- and clearance time and the start and stop time of the recording (event) if it is within the dispatch time window.

The time filter can be used to find dispatch time within a certain time window, all dispatches that were ongoing anytime within the selected window will be found. It is also possible to filter on officer names.

If the CAD export file contains dispatch information with a category not existing in ACS, that category will be created. However, category properties such as retention time will not be set and must be manually adjusted to ensure correct retention.

5. Limitations

The CAD export file is read in a best-effort manner. For example, the following cases might lead to information loss:

- ACS or the Body Worn component not running
- Too large export file, any file larger that 1GB, will be rejected
- If user's password of the shared network is updated, the credentials have to be updated in the CAD settings

Appendix - CAD File Information

Officer name
Who was on the call. Entries in this column will be used to get the correct virtual camera in ACS Pro to find recordings on.
Note! Make sure that the names exported from the CAD system exactly matches the virtual cameras in ACS Pro, i.e. the users created in the Body Worn Manager.

Event ID
A unique ID in the CAD system, used as an identifier to allow for updates of dispatch information

Call category
The category to be set on all recordings matching a dispatch. Each category can have its own retention time to extend the default retention time.

Dispatch time
The start time, i.e. the earliest time where a recording can be found for the given officer for this dispatch. The time stamps should follow the RFC 3339 standard and can be expressed in either UTC or local time since the standard includes the time zone in the time stamp. *E.g. "2025-11-25T09:49:17.617895+01:00", means local time 09:49:17.617895 in Sweden (UTC+1)*

Clearance time
The stop time, i.e. latest time when a recording can be found for the given officer for this dispatch. The time stamps should follow the RFC 3339 standard and can be expressed in either UTC or local time since the standard includes the time zone in the time stamp. *E.g. "2025-11-25T09:49:17.617895+01:00", means local time 09:49:17.617895 in Sweden (UTC+1)*

Case number
The case ID connected to the dispatch for easy export of recordings belonging to a certain case. The column name is required but no case ID need to exist for categorization to be successful, i.e. column value can be empty.

Any recordings found for a virtual camera named like the value in Officer name column within or overlapping with the time frame set by Dispatch time and Clearance time columns will be categorized with the given Call category and linked to the Event ID and Case number.