

# HOW TO. ■

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

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## Introduction

This document explains how to setup a Axis body worn System CAD integration in AXIS Camera Station Pro.

The Body Worn component for ACS Pro from version 6.13 onwards supports CAD integration to categorize Body Worn camera recordings based on dispatch data. The integration monitors a specified export file 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 line 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 row 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.

Currently, CSV is the only supported file format of the CAD system export.

## 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](https://ftp.axis.com)

## Prerequisites

AXIS Camera Station Pro 6.13 or later

AXIS Body Worn component for ACS

## 1 – Install AXIS Body Worn component

1. Go to [https://www.axis.com/ftp/pub\\_soft/bw/ACS6/AXISBodyWorn/](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. 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*)
5. Click **Next**
6. Select file for the XMLTemplate (*only for XML*)
7. Select the identifier for the value as shown in your CAD file (see more info under [Appendix A – CAD File Information](#))
  - Officers name
  - Event ID
  - Call category
  - Dispatch time
  - Clearance time
  - Case number
8. Click **Finish** and then **Apply**

### 3- Daily use

1. In the ACS Pro client Press + to open a new tab
2. Select CAD recordings to review the data processed by the CAD integration.
3. 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 within the dispatch time window.
4. The page is not automatically refreshed since it only changes as often as the CAD system export data which is usually only a couple of times per day. There is however a refresh button if you expect the data might have changed since the tab was opened.
5. Data from columns other than those required in the setup is stored in the ACS database, not shown in the UI but is searchable in the table.
6. The time filter can be used to find dispatched 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.
7. 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.

## 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 than 1GB will be rejected
- Export file updated too often. To not exhaust the APIs only one update every five minutes will be processed, however there is usually no need for exports more often than a couple of times per day.

## Appendix A - 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

**Clearance time**

The stop time, i.e. latest time when a recording can be found for the given officer for this dispatch.

**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.