Nedap Retail Integration Module Settings Guide

ACFA PSIM 1.1

Last update 01/16/2023

Table of Contents

1 Introduction into Nedap Retail Integration Module Settings Guide

On the page:

1.1 Purpose and Structure of the Guide

The *Nedap retail* Integration Module Settings Guide is a reference manual designed for *Nedap retail* Module users. This module functions as a part of perimeter intrusion detection system based on the *ACFA PSIM* software package.

This Guide presents the following materials:

1. General information about the *Nedap retail* integration module;
2. A list of supported devices and licensing of the *Nedap retail* integration module;
3. Configuration of the *Nedap retail* integration module in the *ACFA PSIM* software;
4. Working with the *Nedap retail* integration module.

1.2 General information about the Nedap retail integration module

The *Nedap retail* integration module is a part of Security Alarm system built on the basis of the *ACFA PSIM* Software System. It is designed to monitor devices of the *Nedap retail* module. Configuring and controlling devices of the *Nedap retail* module in the *ACFA PSIM* software package is impossible.

Note.

Detailed information about the *Nedap retail* system is presented in official documentation for the system on the Nedap service portal at https://portal.nedapretail.com/.

Before you start using the *Nedap retail* integration module, install the hardware on site, install the Renos driver and configure the system in the vendor's software.

Important.

The !Sense antenna is to be connected to the Internet.

2 Supported hardware and licensing of the Nedap retail integration module

Manufacturer	Global headquarters Nedap Retail Parallelweg 2d 7141 DC Groenlo The Netherlands T +31 (0) 544 471555 http://www.nedap-retail.com/
Integration type	SDK
Equipment connection	Ethernet

Supported equipment

Equipment	Function	Features
!Sense	Intelligent Article Surveillance	• Integrated sensors • Real-time reporting • Plug-and-play RFID-ready • Always-on systems

Licensing

Per 1 antenna group.

3 Configuration of the Nedap retail integration module in the ACFA PSIM software

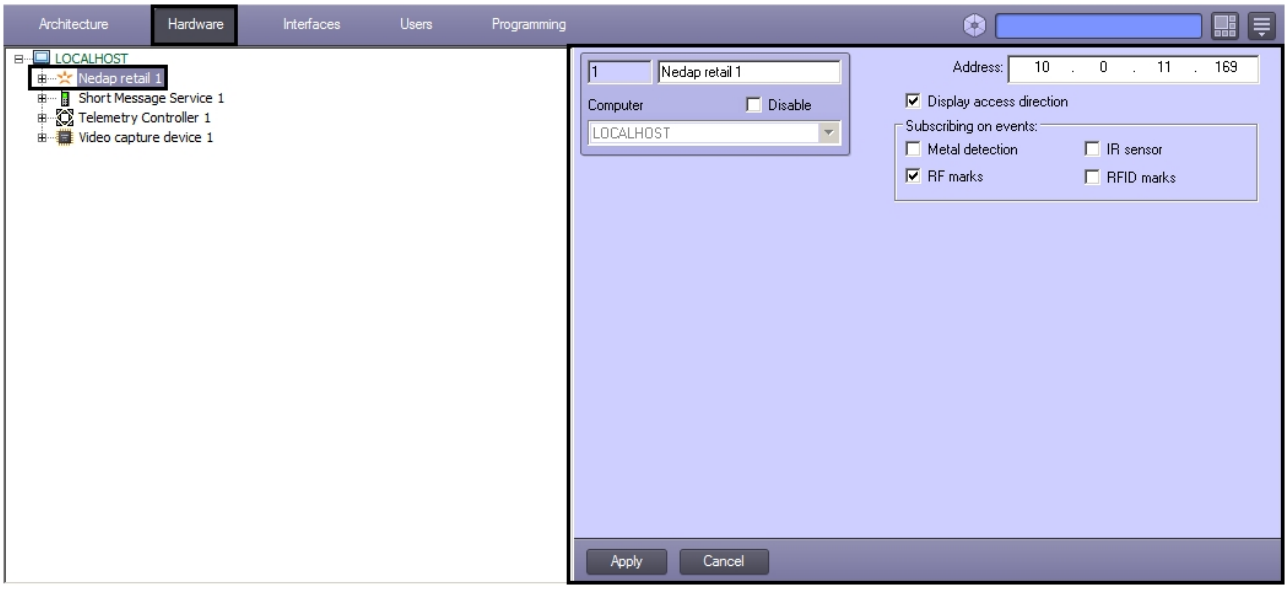
3.1 Configuration procedure for Nedap retail integration module

The *Nedap retail* integration module is configured according to the following procedure:

1. Set up a connection between the *Nedap retail* hardware and *ACFA PSIM* software.
2. Configure displaying of access direction.
3. Configure subscription to events.
4. Configure Nedap groups.

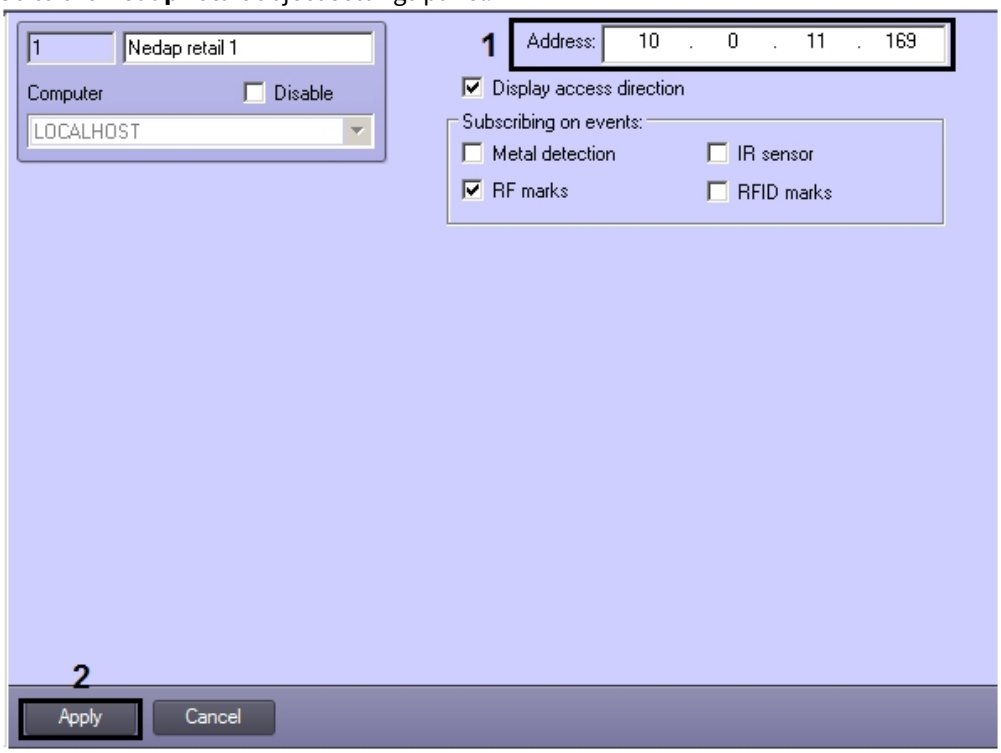
3.2 Setting up a connection between the Nedap retail hardware and ACFA PSIM software package

Connection with the *Nedap retail* hardware is configured in the *ACFA PSIM* software package on the settings panel of **Nedap retail** object which is created on the basis of **Computer** object in the **Hardware** tab of the **System Settings** window.



The connection is configured as follows:

1. Go to the **Nedap retail** object settings panel.



2. Enter the IP-address to which the *Nedap retail* system is connected in the **Address** field (1).
3. Click **Apply** (2).

Configuration of connection with the *Nedap retail* hardware in the *ACFA PSIM* software package is now completed.

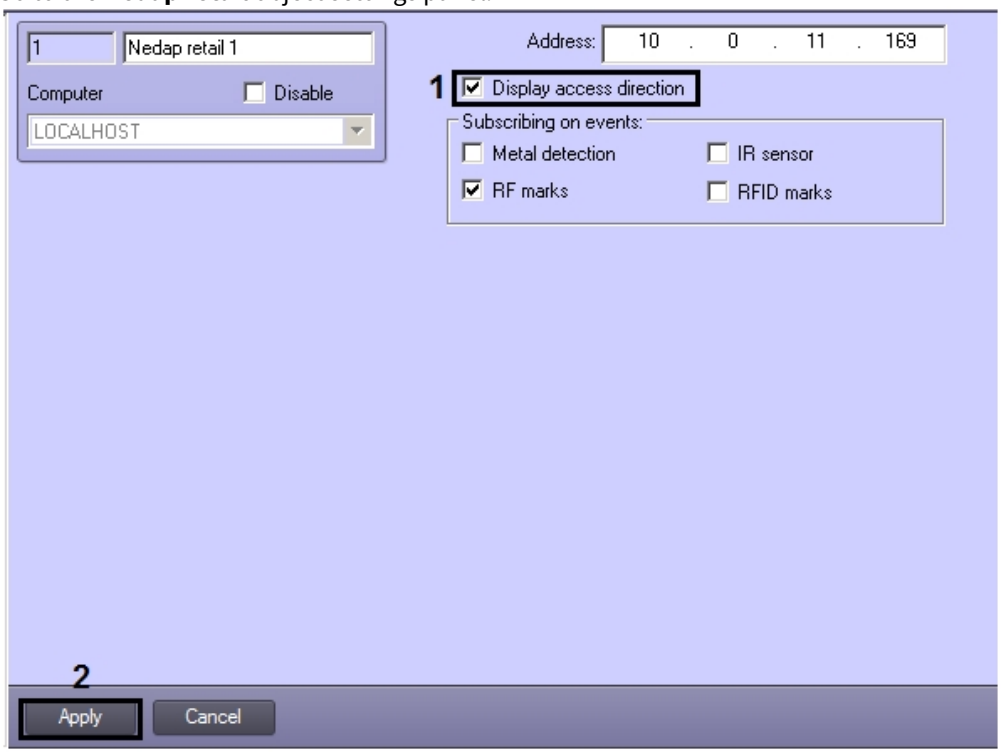
3.3 Setting up displaying of access direction

Access direction can be given in the **Add. info** field of the Event Viewer when an alarm is displayed.

> **Note**
>
> See Features of Nedap retail events viewing for a detailed description of possible events and additional info for them.
> See *Axxon PSIM software. Operator's Guide* for a description of the Event Viewer interface. The most relevant version of this document is available in the AxxonSoft documentation repository.

This feature is disabled by default. To enable it, do the following:

1. Go to the **Nedap retail** object settings panel.



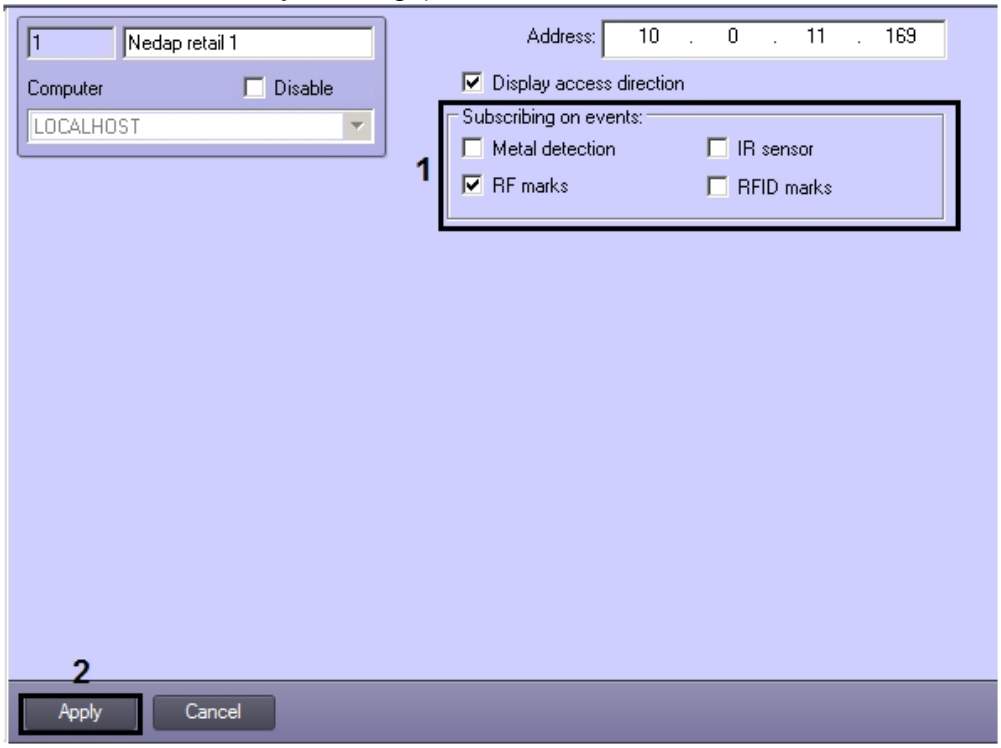
2. Set the **Display access direction** checkbox (**3**).
3. Click **Apply** (**2**)

Configuration of displaying of access direction is completed.

3.4 Setting up subscription to events

Subscription to events allows receiving events of different types including metal detection, IR sensor, RF marks and RFID marks alarms. Events of different types are enabled depending on the *Nedap* group role in the system (not configured in *ACFA PSIM*). Subscription to all events is active by default. To cancel subscription to some or all of the events, do the following:

1. Go to the **Nedap retail** object settings panel.

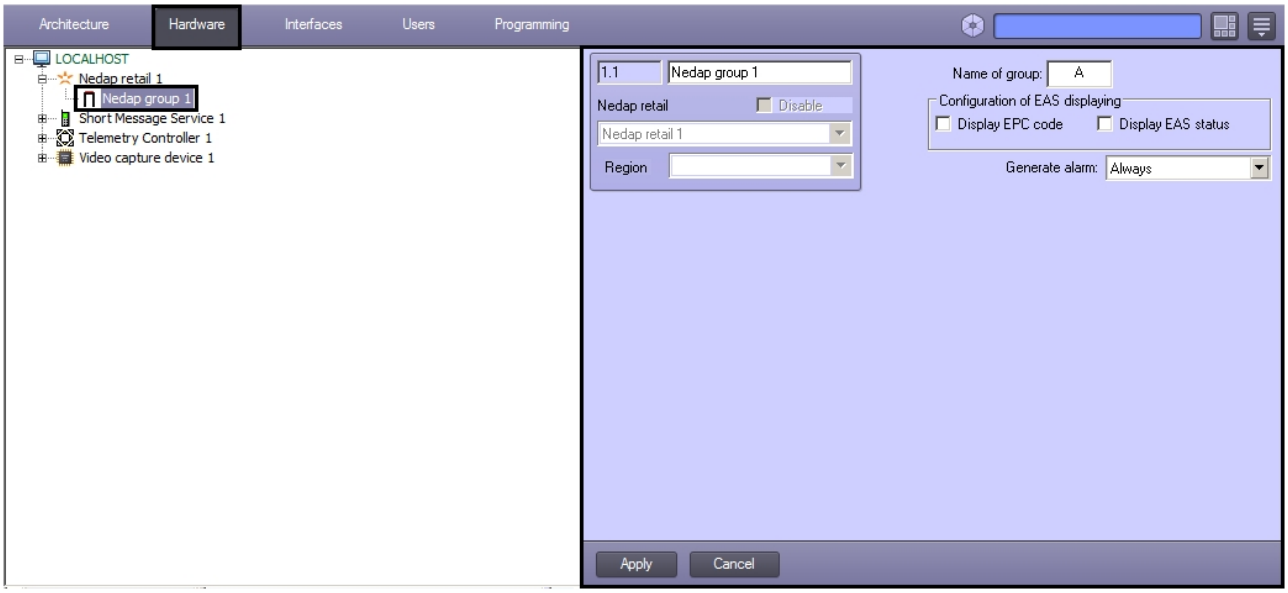


2. In the **Subscribing on events** group unset the checkboxes for events, that are not to be received from the antenna (1).
3. Click **Apply** (2).

Configuration of subscription to events is completed.

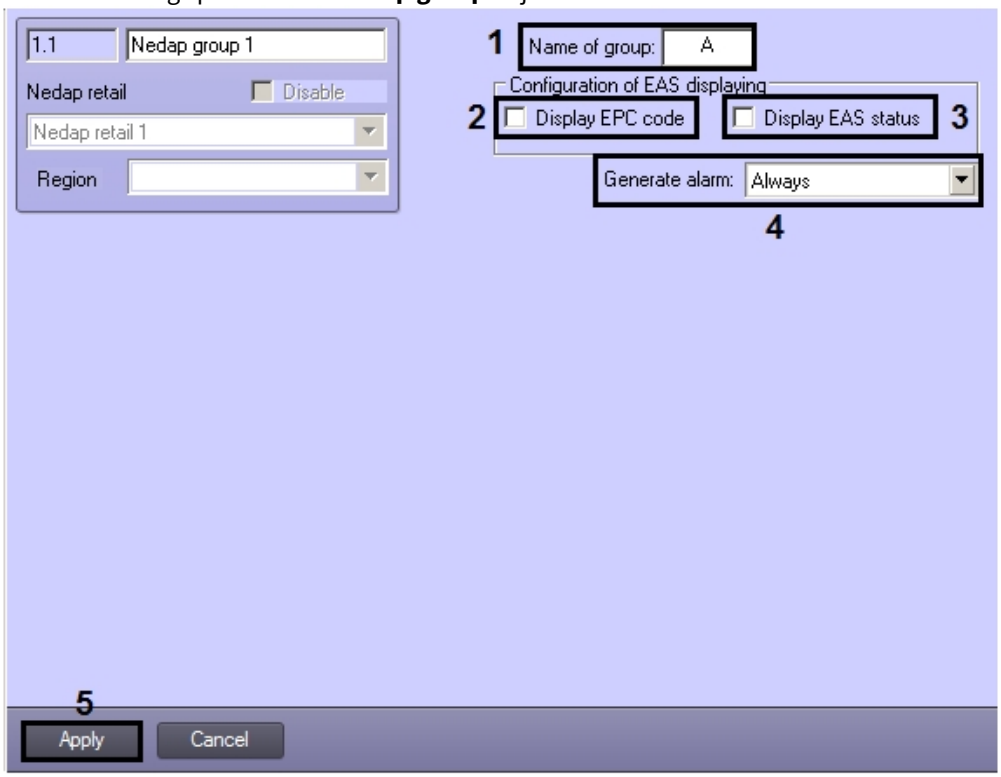
3.5 Setting up Nedap groups

A *Nedap group* is configured in the *ACFA PSIM* software package on the settings panel of **Nedap group** object which is created on the basis of **Nedap retail** object in the **Hardware** tab of the **System Settings** window.



To configure a *Nedap* group in the *ACFA PSIM* software, do the following:

1. Go to the settings panel of the **Nedap group** object.



2. In the **Name of the group** field specify the identifier of the group displayed in the device web-interface (1).
3. For RFID it is possible to display additional info in the **Add. info** field of the **Event Viewer**:
   a. To display an EPC code set the (2) checkbox.
   b. To display EAS status set the (3) checkbox.

> **Note.**
>
> See Features of Nedap retail events viewing for more info on how this data is displayed.

4. By default, an alarm is generated in the *ACFA PSIM* software notwithstanding the direction of passage. If the alarm is to be generated on entrance or on exit only, select the corresponding value in the **Generate alarm** dropdown list (4).
5. Click **Apply** (5).

Configuration of the *Nedap* group in the *ACFA PSIM* software is completed.

4 Working with the Nedap retail integration module

4.1 General information about working with the Nedap retail integration module

The following interface objects are used for working with *Nedap retail* integration module:

1. **Map;**
2. **Event viewer.**

Information about **Map** and **Events viewer** interface objects' configuration is given in the Axxon PSIM Software Package: Administrator's Guide.

Information on how to work with these interface objects is given in details in Axxon PSIM Software Package: Operator's Guide.

The most recent versions of these documents are available in the AxxonSoft documentation repository.

4.2 Features of Nedap retail events viewing

Alarm events from *Nedap group* are always displayed in the Event Viewer in pairs. The first event in the pair shows the event type, i.e. that it is an alarm (**Alarm**) not information (**Read tag**). The second event shows the tag type.

Source	Event	Region	Add. info	Date and time
Camera 1	Connection			22.12.2016 17:13:30
Nedap retail 1	Connected			22.12.2016 17:13:56
Camera 1	Harddisk rec			22.12.2016 17:14:12
Camera 1	Alarm			22.12.2016 17:14:12
Camera 1	Record on disk st...			22.12.2016 17:14:35
Camera 1	Alarm end			22.12.2016 17:14:35
Nedap group 1	Alarm			22.12.2016 17:14:50
Nedap group 1	RF alarm		direction : unknown	22.12.2016 17:14:50
Nedap group 1	Alarm			22.12.2016 17:14:54
Nedap group 1	RF alarm		direction : unknown	22.12.2016 17:14:54

The additional info such as direction, EPC code and EAS status are added to the **Add. info** column for the second event. Possible info for different events is given in the table below.

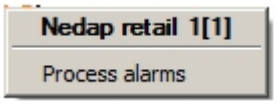
> **Note.**
>
> See also Setting up displaying of access direction and Setting up Nedap groups for configuration of this info displaying.

Event	**Possible additional info in the Event viewer**
RFID alarm	Direction + EPC code
RF alarm	Direction
Move detection (via IR beam sensor)	Direction

Metal alarm	Direction
RFID move	Direction + EPC code + EAS status

4.3 Managing Nedap retail

The *Nedap retail* module is managed in the **Map** interactive window using the corresponding object's menu.



Description of the **Nedap retail object** menu commands is given in the table.

Menu item	**Performed function**
Process alarms	Handling alarms generated by all antenna groups so that it would not display on the Map.

4.4 Managing Nedap groups

The *Nedap group* is managed in the **Map** interactive window using the corresponding object's menu.

Description of the **Nedap group object** menu commands is given in the table.

Menu item	**Performed function**
Process alarms	Handling alarms generated by the antenna group so that it would not display on the Map.