

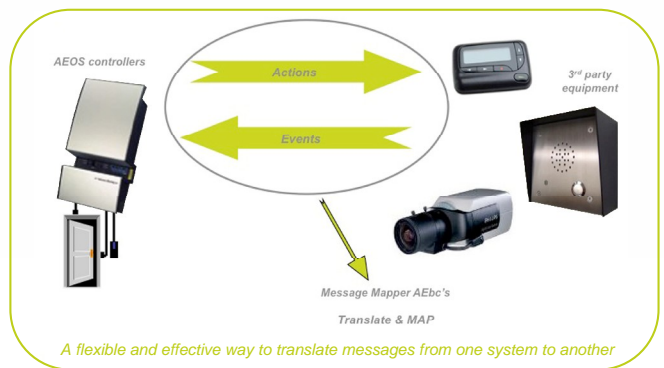
## Easy communication with third party systems

### AEOS Message Mapper

When companies secure their premises with access control systems and other security systems, such as video surveillance or intercom, these different systems by default don't communicate with each other. They consist of stand-alone devices that speak their own language and do not work together. A connection between these devices can only be made at server level or by physically connecting them with wires, but this is expensive, requires a lot of maintenance and is susceptible to errors.

#### Behavior components

AEOS behavior components (AEbc's) are small software components that are freely programmable and determine how the controller and its inputs and outputs behave. Thanks to this decentralized intelligence, all controller behavior can be determined at the lowest level, meaning that the operation of the system and the level of security are guaranteed, regardless of the availability of the network or server.



With the AEOS behavior component 'Message Mapper', which can be configured in every possible way, AEOS can make a simple connection with third party systems at controller level. This software option translates commands to actions from AEOS to the external device and vice versa. Its decentralized integration ensures a solution that is much more flexible and less sensitive to errors than integration at server level. It eliminates delays in sending commands, failing connections, maintenance costs and long consultations between devices.

In Nedap's access control system AEOS, the software components determine the behavior of the system. The translation and mapping of commands to actions from AEOS to third party systems and back can be done with the Message Mapper behavior components (AEbc's). These are freely definable and as such any command can be configured. There are specific Message Mappers for communication with intercom systems, video surveillance systems and pager systems, called the **Intercom Message Mapper**, the **Video Message Mapper** and the **Pager Message Mapper**, respectively. There is also a **Generic Message Mapper** that can communicate with other third party devices, such as printers. They can be combined as desired for total integration between the different devices. The flexibility and scalability of the Message Mapper components provide a truly valuable addition to your security management system.

#### Intercom

Companies that have Nedap's access control system AEOS and a third party intercom system in place can use the Message Mapper to translate messages between these devices. If a visitor presents an unauthorized badge at a reader of the access control system, the AEOS Message Mapper sends a command from the badge reader to the intercom system. The intercom is then automatically activated so that the guard or receptionist can talk to the person who presented the unauthorized card to find out what is happening. If the guard or receptionist decides to open the door, the Message Mapper can send a command from the intercom to the access control system to do so. Another possibility is that the Message Mapper sends a command to an intercom system telling it to switch on when an alarm goes off in the intrusion detection system.

### Video

The Message Mapper can also be used when a company has AEOS and a video surveillance system. As soon as someone presents an unauthorized badge, the Message Mapper can tell the video system to zoom in on the person in front of the camera, so that the guard or receptionist can see who is at the door. It can also be done the other way around: as soon the camera detects a person in a restricted area, the video system sends a command through the Message Mapper to the AEOS security management system which then generates an alarm. Instead of having a guard pushing buttons to close the door, AEOS can close all doors automatically.

Another application of the Video Message Mapper is to monitor the use of intrusion detection systems. When a person arms or disarms the system, the Message Mapper can send a command from the intrusion detection system to the camera surveillance system and tell it to record the person's actions. This recording can be pulled up and managed in AEOS.

### Pager

The Message Mapper can also be used in combination with pagers. If a patient in a nursing home steps on an invisible ground antenna built in the floor near a door, AEOS can be programmed in such a way that the door closes automatically in a matter of seconds (**AEOS Patient Wandering Detection**). At the same time, the Message Mapper sends a message from AEOS to the responsible nurse's pager saying where the alarm went off and which patient has generated the alarm. Also other messages can be sent to the nurse, since the Message Mapper has freely definable fields, which allow you to record important personal information in addition to the data that fit in the standard fields.

### Printer

The Message Mapper can be a handy tool in large companies where many people print on one printer. You can give the order to print a document, the Message Mapper sends your badge number over IP to the printer and the document will only come out of the printer when you present your badge to the reader installed in the printer. This way, you will always be sure that you don't take away somebody else's print or, worse, that somebody else takes yours. This is especially valuable when you have to print sensitive information.

### Loading cargo

The Message Mapper can be used in the world of transport as well. You can create a system where a truck driver presents himself at your company's gate and identifies himself by entering a pin code and showing his finger print. When the access control system recognizes the person, the Message Mapper sends this positive verification to the logistic system. This will then link the person to the order to load cargo and show that to him.

#### Features and Benefits

- Two-directional communication between AEOS and third party systems
- Freely definable commands
- Multifunctional and cost effective
  
- Intercom Message Mapper                      product number: 8014965
- Video Message Mapper                         product number: 8014957
- Pager Message Mapper                         product number: 8015805
- Generic Message Mapper                       product number: 8014949

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