

## INTEGRATION OF OET-213H-BTS1 TERMINALS INTO AEOS

MAY 2020

#### Introduction

The objective of this document is to explain the installation and use of the software solution called "BODY TEMP SERVICE".

This solution consists of that а service allows monitoring and interacting with certain collecting access control systems, events from Uniview OET terminals and sending body temperature information to NEDAP controllers.

In this way, the access system monitoring is available in the different modalities, via hardware, that are deemed appropriate to implement in an installation.

#### Architecture

The architecture of the solution is as described in the diagram below.

Through the Ethernet network, the service establishes communication with the configured terminals and controllers.

Once communication is established, the service receives the events sent by the access terminals and informs the Nedap AP7803 controllers

In the current version, only the information regarding body temperature is discussed.



## Install

install То the service, simply run the "InstallNedapBT.msi" installer provided by SGSE with administrator permissions. The process is automatic. Throughout the different installer screens, we will only have to accept the End User License Agreement, а mandatory condition to be able to use the plugin.



Click "Next>" to begin the installation.

😸 installNedapBT		-		Х
Contrato de licencia		Soluciones Globali	SG es de Seguridad	<b>SE</b> Bectrónica
Dedique unos instantes a leer el Contrat condiciones, haga clic en "Acepto" y lu	o de licencia incluido en ( ego en "Siguiente". De lo	el programa. Si acep contrario, haga clic	ota las c en ''Canc	elar".
End-User License Agreemen	t (EULA) of Nedap o	ody Temp		^
This End-User License Agreemer (the "User") and Soluciones Glo	nt ("EULA") is a legal a bales de Seguridad El	greement betwee ectrónica (SGSE).	en you	
This EULA agreement governs yo software ("Software") directly fr Electrónica (SGSE) or indirectly t	our acquisition and use om Soluciones Globale hrough a Soluciones G	e of our Nedap oo es de Seguridad Ilobales de Segur	dy Temp ridad	~
◯ No acepto	<ul> <li>Acepto</li> </ul>			
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It will be necessary to read and accept the License Agreement to continue with the installation.



*Click "Next>" to proceed with the installation of the plugin files.* 



If the Windows User Account Control asks us, we must allow the installer to continue with the installation.



Once the installation is complete, click on "Close" and we will have the plugin installed.

#### Licenses

The integration plugin of each of the OET-213H-BTS1 terminals in AEOS needs a license generated by SGSE to be able to run.

The process for obtaining the file corresponding to the purchased license number is described below.

#### A. Obtaining de UDI

To generate the license it is necessary to know the corresponding UID. This UID is a unique identifier to which the license is associated.

To obtain this code, it is necessary to run the AeosBT software, in which a dialog box will appear in the upper right part of the management environment.

On that screen, when the software is not licensed, the corresponding UID appears.

Software no licenciado	
La licencia no está disponible. Facilite el siguiente código a SGSE para que le generen su licenc	cia:
1KTONIX-QW53SK-1MWLZ2Z-27MGD3	
Copiar UID al portapapeles	Aceptar

Please provide this UID to SGSE, and the license file corresponding to the supplied UID will be generated for you.

#### **B.** License application

Copy the license file to the directory where the software is installed. Default:

C: \ Program Files \ SGSEAeosBT \

Once the license is applied, it will be necessary to restart the service for the changes to take effect.

#### Configuration

The service has been configured to simplify the installer configuration process as much as possible.

The information will be changed using a text editor, the name of the file that we will manage is "HttpListen.exe.config", which will be internally structured using labels.

The information that we can change is basically structured as a parameter and its value, for example an Ip. The parameter-value structure is defined as a block with the following form:

<setting name="direccion\_lp\_servicioBodyTemp" serializeAs="String"> <value>192.168.1.15</value> </setting>

Each parameter is characterized by its name and its value, all the parameters being structured in the same way.

The parameter is preceded by <setting name = "and inside the quotes we will find the name that defines the parameter. Next, the value that the parameter takes appears and it is placed between the words <value> and </value>.

For example, if we want to set the value of the NedalP parameter with the value (ip address) 192.168.54.2 we would have to search for <setting name = "NedapIP" and we would see that the block that defines the parameter is

<setting name="NedapIP" serializeAs="String"> <value>192.168.2.212</value> </setting>

Finally, we would have to change the IP address or value that we have proposed, leaving the block as shown below.

<setting name="NedapIP" serializeAs="String"> <value>192.168.54.2 </value> </setting>

If our goal was to change the value of the parameter "Port" and set it to 8795 the result would be

```
<setting name="port" serializeAs="String">
<value>8795</value>
</setting>
```

**Note:** The collective parameters (several OETs, ...) are only entered once, the individualized data are consecutively and separated entered by ";" (semicolon). The order of the individualized data, the first of each tag (IP service addressBodyTemp) is linked to the first of the successive tags (user terminal, password terminal, terminals, NedapIP, ...). Yes, only one value is entered in the row and there are different terminals all adopt the same data, for example: if there are 5 terminals and only one user and password, all of them will be accessed with the same user and password.

#### **Configure multiple devices**

When configuring various devices we must take into account the points mentioned above.

The following example serves as a guide with three EOT terminals, a service with 3 different user-codes and a controller.

**1.-** Establish service configuration "address\_Ip\_servicioBodyTemp" for this case the IP will be 192.168.1.113, in the file we will look for the name = "Address\_Ip\_servicioBodyTemp" tag and we establish the value mentioned above

<setting name=" direccion\_Ip\_servicioBodyTemp " serializeAs="String"> <value>192.168.1.113</value> </setting>

**2.-** Establish the port through which the Bodytemp service listens to the terminals. In our case we will set it to a value of 6767, for this we look for the name = "service\_port\_BodyTemp" tag and set the value.

<setting name=" port\_servicioBodyTemp " serializeAs="String"> <value>6767</value> </setting>

**3.-** Establishing the three users in our case will be terminal 1, terminal 2 and terminal 3, for this we search the file for the user\_terminal tag and enter the values.

<setting name="userterminal" serializeAs="String"> <value>terminal1;terminal2;terminal3</value> </setting>

**4.-** To establish the three passwords in our case they will be terminalkey1, terminalkey12 and terminalkey 3, for this we search the file for the password\_terminal tag and enter the values.

<setting name="parssword\_terminal" serializeAs="String"> <value>claveterminal1;claveterminal2;claveterminal3 </value> </setting>

**5.-** The IPs of the three terminals in this example we will say that the IPs are 192.168.2.121:80, 192.168.2.145:80 and 192.168.2.123:80 for this we look in the file for the label terminals and enter the values.

<setting name="terminals" serializeAs="String"> <value>192.168.2.121:80;192.168.2.145:80;192.168.2 .123:80 </value> </setting>

#### Parts to configurare

There are three parts to configure:

- Body Temp Service
- Readers
- Drivers

\*See attached table on the next page.

	Nombre	Significado	Valor	Notas
	direccion_ip_servicioBodyTemp	Ip por la que el servicio escuchara a a los termina,es	192.168.1.15	
Convisio"Dody Tomo Conviso"	port_servicioBodyTemp	Puerto por el que el servicio escucha a los terminales	5118	
Servicio Body remp service	timeforcerequest	Tiempo establecido para la renovación de información por parte del servicio a los terminales.	30	
	addresstype	tipo de direccionamiento, establecido por el fabricante	0	defecto
	duration	timpo que estará informando el lector al servicio "segundos"	60	
	type	tipo de dispositivo, establecido por el fabricante	1024	defecto
Loctoros	liblnum	Valores relativos a la gestión del terminal.	65535	defecto
Lectores	liblb	Valores relativos a la gestión del terminal.	0	
	user_terminal	usuario(s) con el que el servicio coenctará con el terminal	admin	
	password_terminal	Clave(s) con la que el sevicio conectaá con el terminal.	Sgse2017	
	terminals	Ips de los terminales	192.168.1.13:80	
Nedan Controller	NedapIP	ip del controlador AP7803 que recibirá la información enviada por el servicio.	192.168.2.212	
Redap controller	Nedapport	Port que se establece como puerto de escucha en el cotrolador de Nedep.	8091	

The variable "Historic" does not apply to this service, it must always be kept at 0.

```
<setting name="Historic" serializeAs="String">
<value>0</value>
</setting>
```

## Functioning

Once the service is installed and configured, it will run, with the following icon appearing at the bottom right.

#### A. Estado del servicio

The service will visually show through the icons how it is behaving.

Active service not configured.

Active duty and working properly.

Active service, but with a device with problems.

Active service, there is no connection with the elements.

#### **B.Features**

The service has a Log that will be shown when you double-click on the service icon. To make it disappear, you simply need to double-click again.

#### 🕴 Aeos BT



2020/05/19 18:10:17 - <:80000> INFO: el proceso de inicialización ha sido un éxito! 2020/05/19 18:10:30 - <Warning:80004> INFO: Send message 192.168.2.212:8091: 48ea63f5d74a:0:36.00

Finally, the service has a tool that will be activated by positioning the mouse over the icon and pressing the right button.

The dialog box allows the following options that can be seen in the image shown below.



Start: Service initialization.

**Maximize-Minimize:** One click Maximize the event viewer shown in the image above and change the text to Minimize. If we click on Minimize again, the log disappears and the button will show Maximize again.

Stop: For the service.

Exit: Close the service.

#### **Problem solving**

In the event that the icon A appears, it indicates that there is a problem due to the lack of communication with all the devices, so it would be advisable to contact technical support to evaluate the following points:

- The equipment is not energized.
- There is no communication with the devices.
- There is an element in the network, Firewall, etc., that does not allow communication.
- Check the parameterization; Ips, ports, user, password ...

If the icon that appears is this  $\bigwedge$ , it indicates that there is a specific problem with one or more of the computers that you currently have registered in the system. To see the details check the System Log, point 7.b details how to access it.

# Annex "Nedap configuration of the reception "

In case of detecting any anomaly, it will be registered in the system and it will be possible to monitor it through the visual part of the service. To do this, access the Log where you will find all the details of the different processes.

In order to establish the parameterization in the Nedap system, the following steps must be followed.

- Run the Aemon software and once the application is open select the controller that will process the information sent from the NedapEOT service.
- Load in the controller or controllers that are going to process the template information "Temp + card + colors + OET.aepu" if you do not have it please contact our technical service.
- If you don't have a template you can also go to the compose menu and enter the following components; Generic Message Mapper, LabelValueToString; InputToBadge to build the following structure.

	tion			~		
TO Provide	nuon			~		
IO Provide	er Type		Generic IP Protocol			
		IP settings				
Remote	event host name		10.4.108.53			
Remote	event port:		80			
Server e	vent port		8091		Puerto de escucha	
Incoming	Protocol		Full TCP	/		
Outgoing	g Protocol		Disabled 🗸	/		
Usernam	e					
Password	d					
Interval	out-messages (ms)		0			
Keep outgoing sock	etaive					
		Parser control panel				
Parse bytes at once						
		Outputs (Messages to dev	rice)			
abel name	State	Command		Add		
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mUnlock	active	EmUnlockON		Move down		~
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				Move down		

### **Mote information**

> unlock

> norm > inh > shoa

> abU nl

> ver

> aif

⊳ fbm >eauth

> lock

dotl D

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bu D badge⊳ pinal D

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outda1 ⊳

dotip ⊳

For more information, consult the information online or contact SGSE at the email info@sgse.eu

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