Building Technologies

BOSCH

From	Our Reference	Tel	Grasbrunn
BT-PAA			16 September 2022

Access Management System

Issue Time and Attendance

Topic This document describes the steps which are required for AMS (Access Management System) to record the times of entry and exit at an access controlled entrance, and ways to customize the output.

History 2022-09 New version

Table of Contents

BOSCH

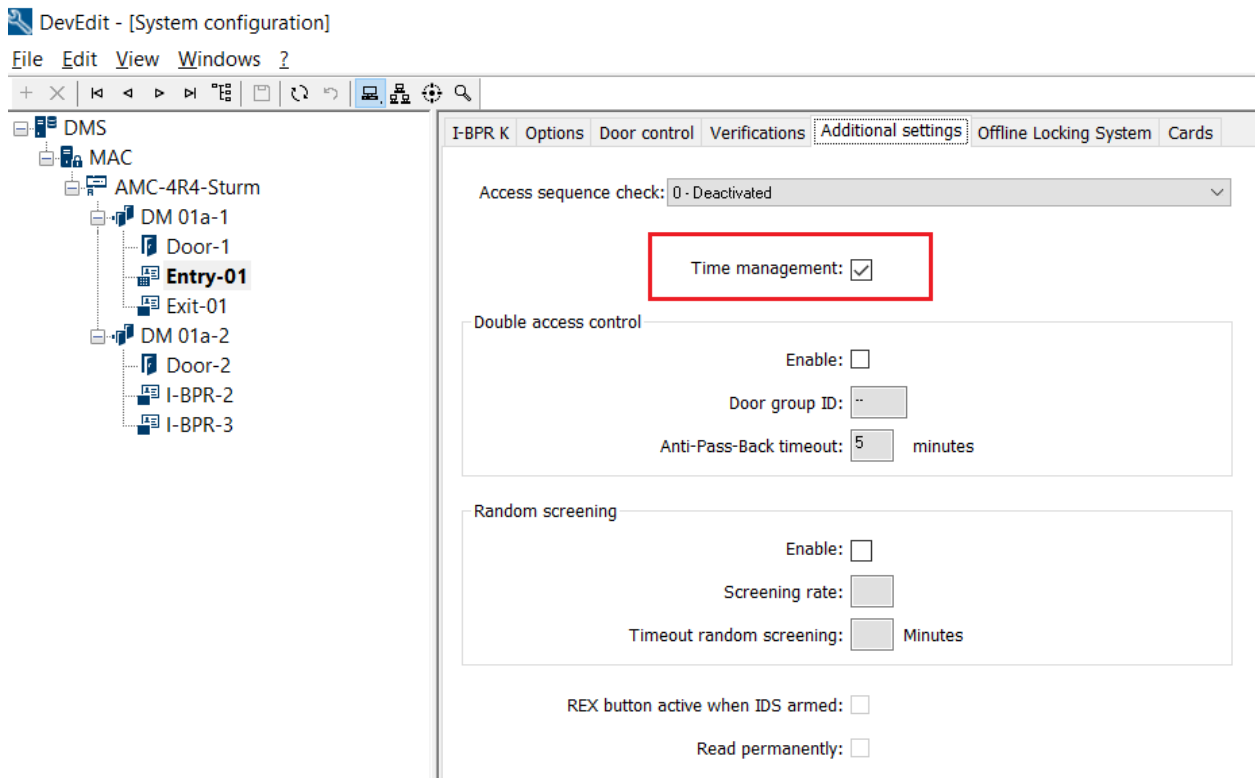| From	Our Reference	Tel	Grasbrunn
BT-PAA			16 September 2022

Report
Issue
Topic

1 Time and Attendance recording

1. In the AMS dialog manager, start DevEdit (the Device Editor) and define an entrance, including readers, based on a model such as '1a'.
2. Select the reader and click the tab **Additional settings**
3. Select the **Time management** check box, as illustrated below.

4. Repeat the above steps for the exit reader.

Report
Issue
Topic

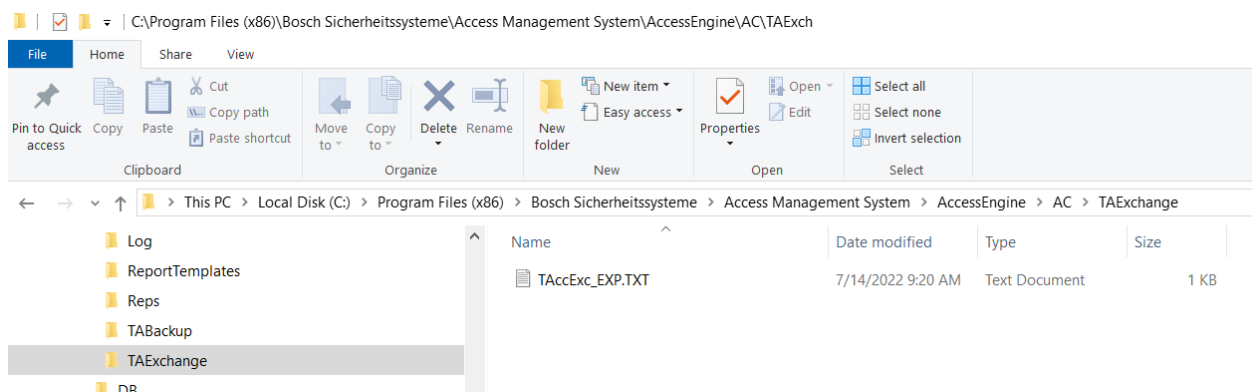## Interim results:

As soon as an authorized cardholder presents their card at the entry or exit reader, the system creates a file named `TaccExc_EPT.txt` in the folder
`"C:\Program Files (x86)\Bosch Sicherheitssysteme\Access Management System\AccessEngine\AC\TAExchange\"`

Before presenting an authorized card, the file `TaccExc_EPT.txt` will not exist.

The contents of the file are structured as follows. The fields are separated by semicolons.


```
date;time;direction;persno;cardno;deviceid;devicename;costcentre
14072022;0919S;0;"          ";000583889202;0013A5A9AA8225C2;Exit-01;
14072022;1003S;1;"          ";000583889202;0013A5A9AA81FE37;Entry-01;
```

Every time a card is presented at one of the configured readers, an entry will be added to this file.

BOSCH

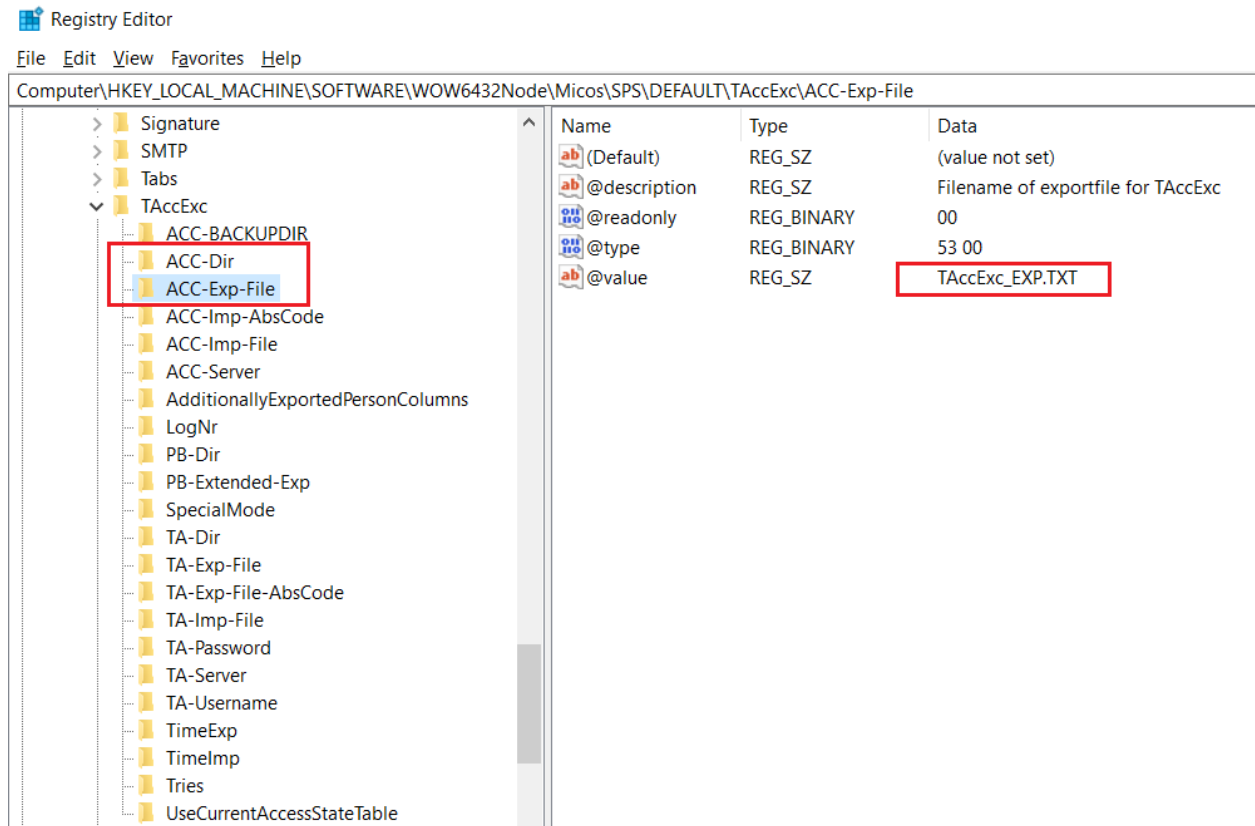| From	Our Reference	Tel	Grasbrunn
BT-PAA			16 September 2022

Report

Issue

Topic

1.1 Configuration and customization

Filename and location

You can change the names of the file and the folder in the Registry of the AMS server machine.

`\HKEY_LOCAL_MACHINE\SOFTWARE\WOW6432Node\Micos\SPS\DEFAULT\TAccExc\`

Report
Issue
Topic

Additional fields

You can specify additional fields for export from the table "Persons", "Cards" and "Devices". Use the registry key "AdditionallyExportedPersonColumns".

The following fields defined by default, separated by commas:
```
cards.cardno = cardno,
devices.displaytext = devicename,
devices.id = deviceid,
persons.costcentre = costcentre
```

For example, add the field "persons.lastname = **name**", the field will be exported as follows:

📄 TAccExc_EXP.TXT - Notepad

File Edit Format View Help
```
date;time;direction;persno;cardno;deviceid;devicename;name;costcentre
14072022;0919S;0;"          ";000583889202;0013A5A9AA8225C2;Exit-01;Sturm;
14072022;1003S;1;"          ";000583889202;0013A5A9AA81FE37;Entry-01;Sturm;
14072022;1003S;0;"          ";000583889202;0013A5A9AA8225C2;Exit-01;Sturm;
14072022;1007S;1;"          ";000583889202;0013A5A9AA81FE37;Entry-01;Sturm;
14072022;1007S;0;"          ";000583889202;0013A5A9AA8225C2;Exit-01;Sturm;
```

BOSCH

From	Our Reference	Tel	Grasbrunn
BT-PAA			16 September 2022

Report
Issue
Topic

Date and time formats

Use the registry key "ExpDateFormat" to customize the date format using the following abbreviations:

- DD   day
- MM   month
- YY   2-digit year
- YYYY   4-digit year

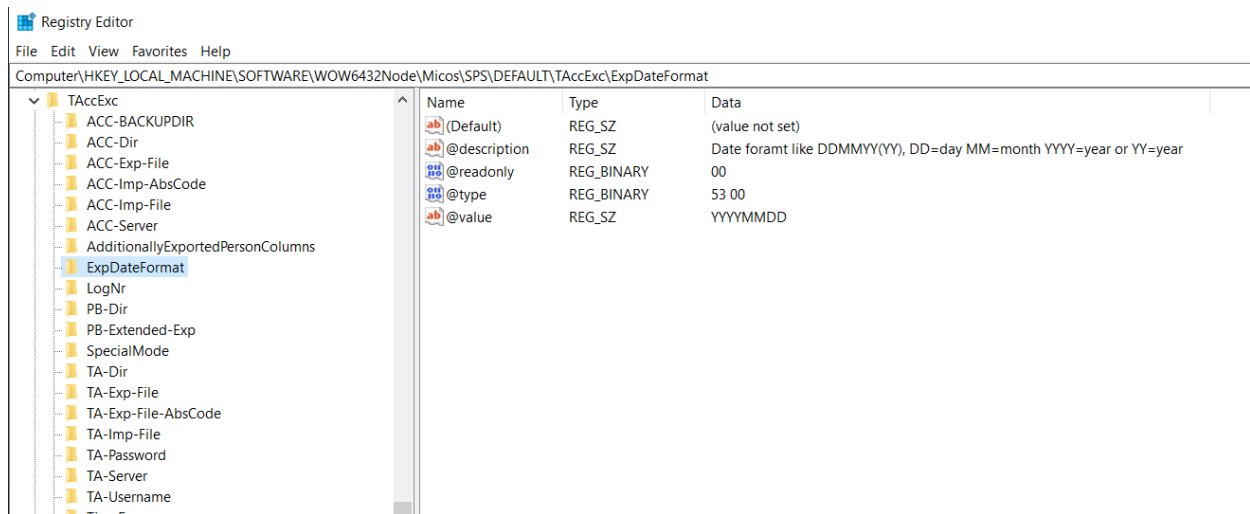Example for December 1, 2022
- DD-MM-YYYY   results to 01-12-2022
- YYYYMMDD   results to 20221201

Use the registry key "SpecialMode" to export times with a marker for DST (daylight-saving time).

- 0 = no daylight saving marker
- 1 = daylight saving marker as following:
  - W = no daylight saving time ("winter")
  - S = daylight saving time ("summer")

Example for "SpecialMode" is set to 1:
- 7am outside of DST   0700**W**
- 7am within DST   0700**S**

Registry Editor

File   Edit   View   Favorites   Help

Computer\HKEY_LOCAL_MACHINE\SOFTWARE\WOW6432Node\Micos\SPS\DEFAULT\TAccExc\ExpDateFormat

	Name	Type	Data
✓ TAccExc	(Default)	REG_SZ	(value not set)
ACC-BACKUPDIR	@description	REG_SZ	Date foramt like DDMMYY(YY), DD=day MM=month YYYY=year or YY=year
ACC-Dir	@readonly	REG_BINARY	00
ACC-Exp-File	@type	REG_BINARY	53 00
ACC-Imp-AbsCode	@value	REG_SZ	YYYYMMDD
ACC-Imp-File			
ACC-Server			
AdditionallyExportedPersonColumns			
ExpDateFormat			
LogNr			
PB-Dir			
PB-Extended-Exp			
SpecialMode			
TA-Dir			
TA-Exp-File			
TA-Exp-File-AbsCode			
TA-Imp-File			
TA-Password			
TA-Server			
TA-Username			

BOSCH

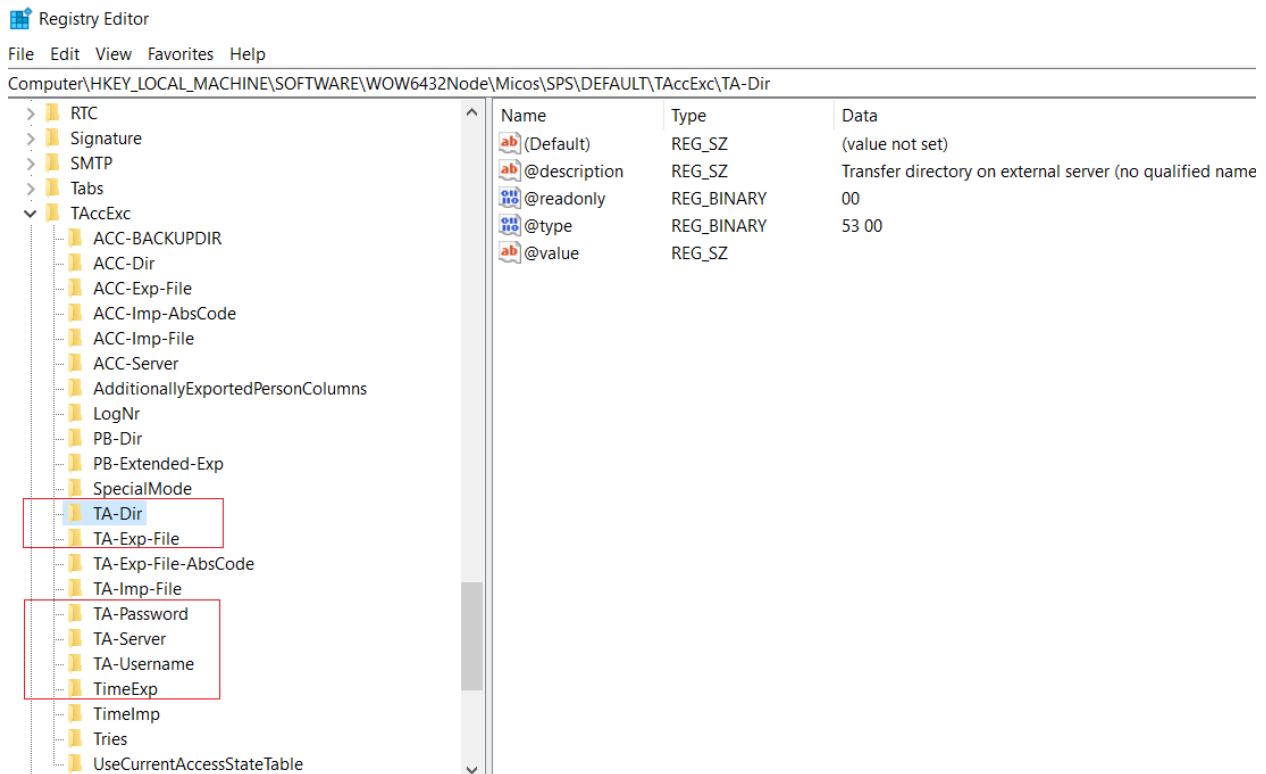| From	Our Reference	Tel	Grasbrunn
BT-PAA			16 September 2022

Report

Issue

Topic

FTP parameters

The following parameters are used for FTP export, depending on whether an FTP server is defined:

Registry-Parameter	Description
TA-Server	FTP-Server-Name or IP address. If **empty** then FTP-Export is **disabled**
TA-Username	FTP-username
TA-Password	FTP-password
TA-Dir	FTP-folder name for export
TA-Exp-File	FTP-filename for export
TmeExp	Time when the export takes place (HH:MM)

At the time specified in the registry "`TimeExp`",
the file specified in the registry entry "`ACC-Exp-File`" with its recorded events
is copied /appended to the file specified in registry "`TA-Exp-File`".

If the FTP-transfer finishes successfully, then the file "`TA-Exp-File`" is moved to the folder specified in registry entry "`ACC-BACKUPDIR`".