

From  
BT-PAA

Our Reference

Tel

Ovar  
01 September 2023

## 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

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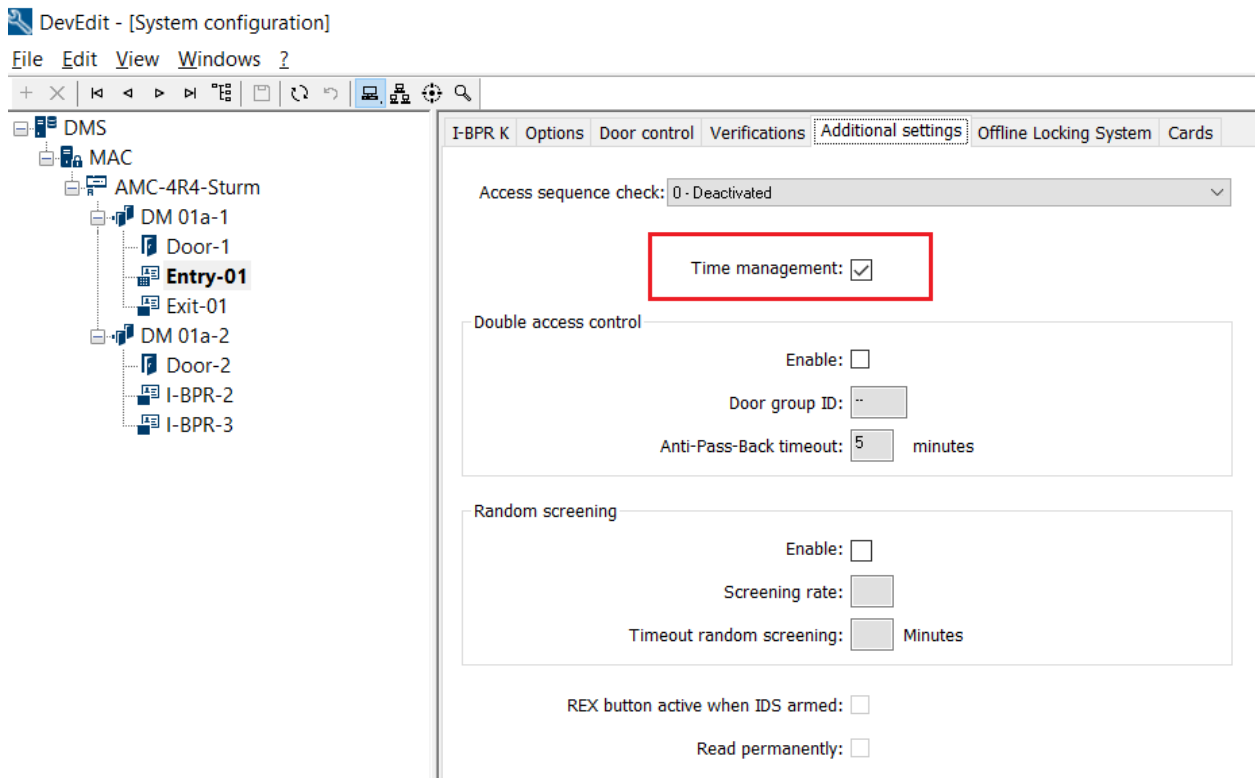
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# 1 Time and Attendance recording

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.

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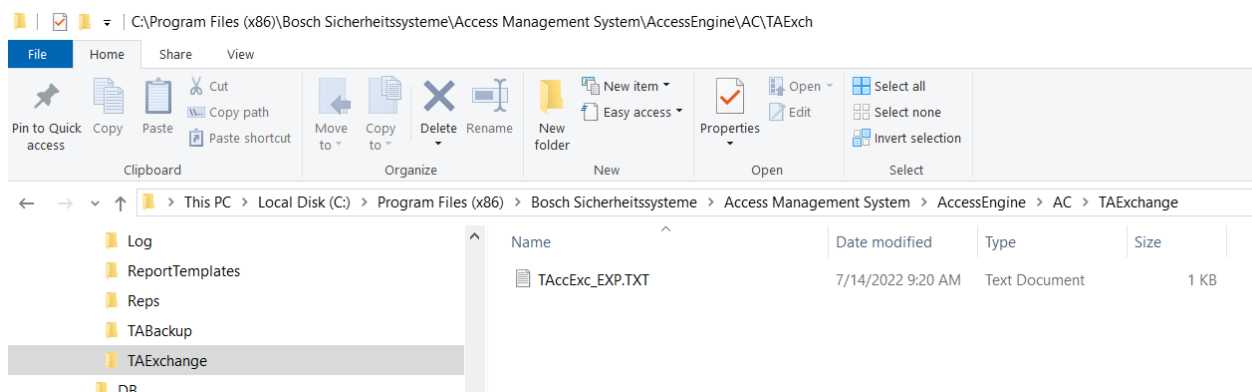
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**Interim results:**

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.

```
TAccExc_EXP.TXT - Notepad
File Edit Format View Help
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.

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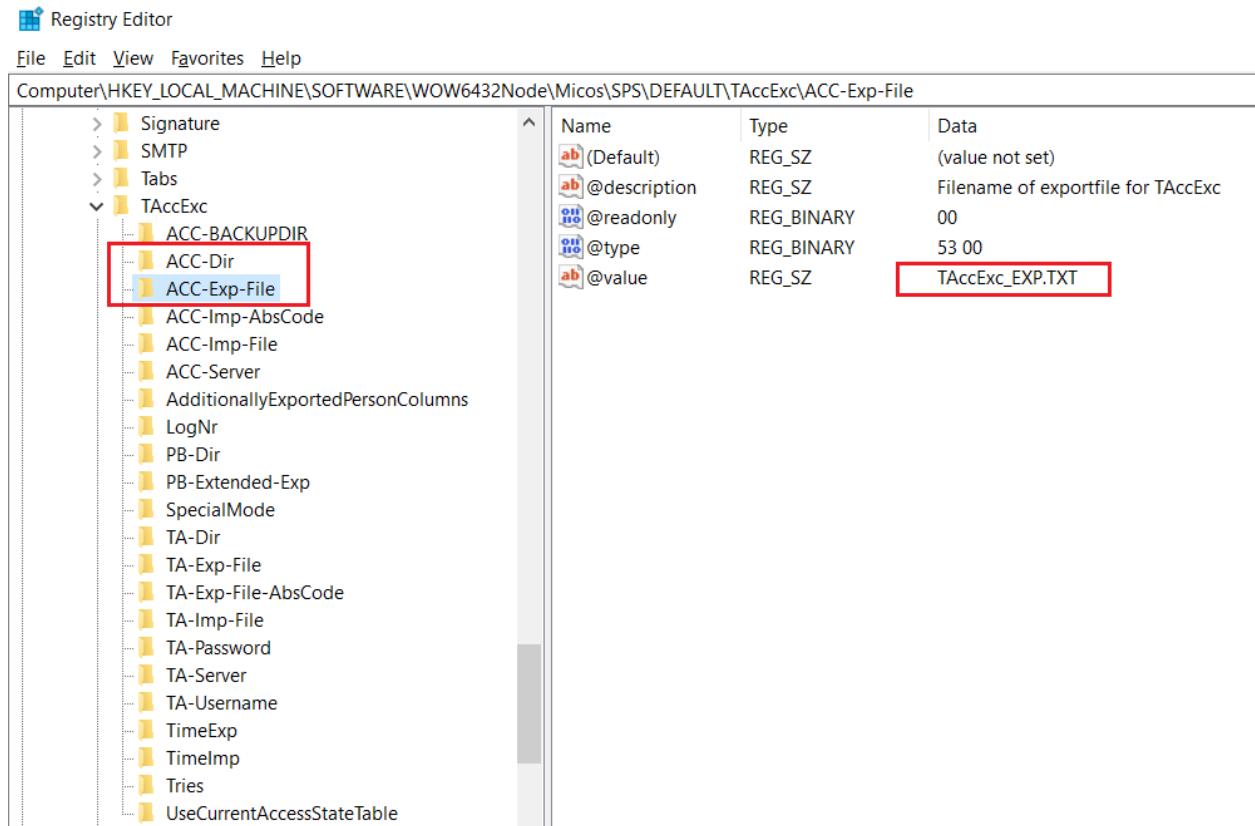
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## 1.1 Configuration and customization

### 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\`



Registry Editor

File Edit View Favorites Help

Computer\HKEY\_LOCAL\_MACHINE\SOFTWARE\WOW6432Node\Micos\SPS\DEFAULT\TAccExc\ACC-Exp-File

Name	Type	Data
(Default)	REG_SZ	(value not set)
@description	REG_SZ	Filename of exportfile for TAccExc
@readonly	REG_BINARY	00
@type	REG_BINARY	53 00
@value	REG_SZ	TAccExc_EXP.TXT

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### 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;
```

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## 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

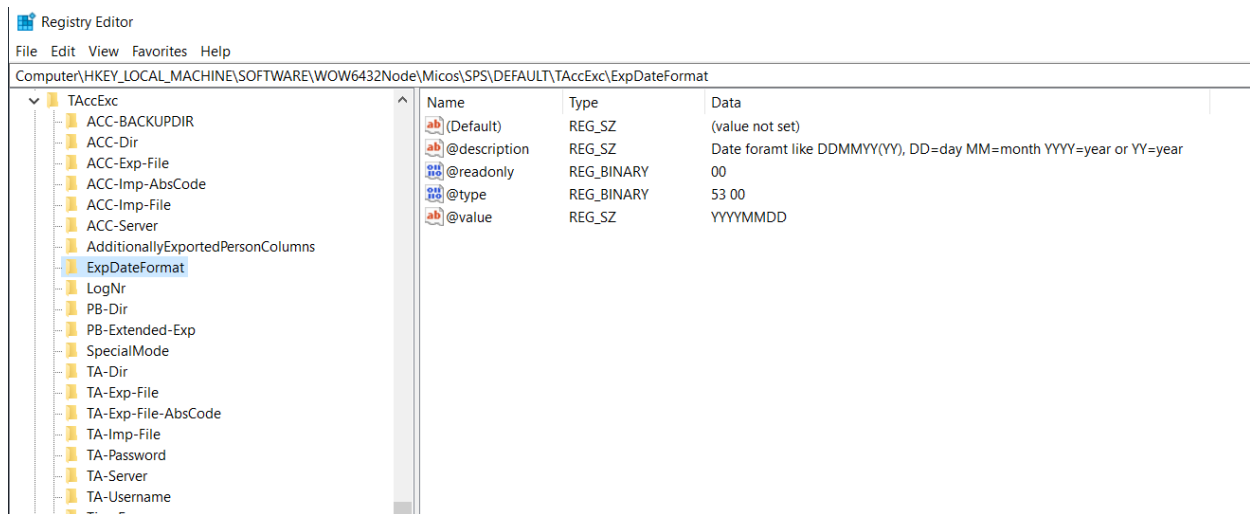
- DD-MM-YYYY     results to 01-12-2022
- YYYYMMDD        results to 20221201

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    0700W
- 7am within DST        0700S



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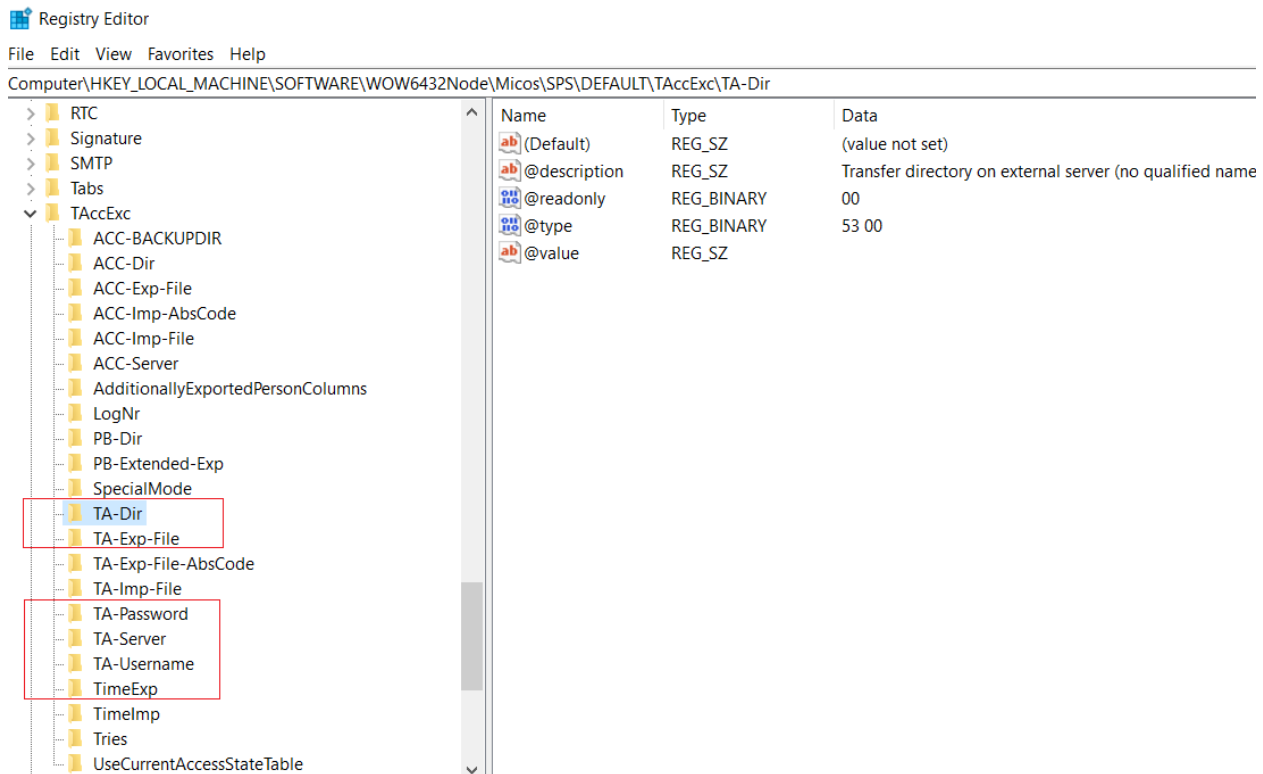
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## FTP parameters

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



<i>Registry-Parameter</i>	<i>Description</i>
TA-Server	FTP-Server-Name or IP address. If <b>empty</b> then FTP-Export is <b>disabled</b>
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”.