

From	Our Reference	Tel	Grasbrunn
BT-PAA			16 September 2022

Access Management System

Issue	Time and Attendance
Торіс	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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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.

File Edit View Windows ? + × N < > P ** O + × N < > P ** O - O DMS - O MAC - O DM 01a-1 - O Door-1 - O Door-1 - O DM 01a-2 - O DM 01a-2 - O DM 01a-2 - O Door-2 - O Door-2 - O Door-2 - O Door-2 - O Door group ID: - - Anti-Pass-Back timeout: 5 minutes	🜯 DevEdit - [System configuration]		
+ × N A P B C AMC AMC-4R4-Sturm AMC-4R4-Sturm Door-1 Entry-01 Exit-01 Door-2 I-BPR-2 Door group ID: I-BPR-3	<u>F</u> ile <u>E</u> dit <u>V</u> iew <u>W</u> indows <u>?</u>		
DMS MAC PBR K Options Door control Verifications Additional settings Offline Locking System Cards Access sequence check: 0 - Deactivated Access sequence check: 0 - Deactivated Time management: Door-1 Door-2 Door-2 I-BPR-2 Door group ID: Access secuence for the control Door group ID: Anti-Pass-Back timeout: 5 minutes	+ X ⋈ ◁ ▷ ⋈ "‼ " ひ ♡ 묘 뭞 ⊕	₽ Q.	
Random screening Enable: Screening rate: Timeout random screening: Minutes REX button active when IDS armed: Read permanently:	DMS AMC-4R4-Sturm AMC-4R4-Sturm DM 01a-1 Door-1 Bentry-01 Bentry-01 DO 01a-2 DO 01a-2 Door-2 BI-BPR-2 BI-BPR-3	I-BPR K Options Door control Verifications Additional settings Offline Locking System Ca Access sequence check: 0 - Deactivated Image: Control Contective Contective Contective Control Control Control Control Conte	rds ✓

4. Repeat the above steps for the exit reader.



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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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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\

e <u>E</u> dit <u>V</u> iew F <u>a</u> vorites <u>H</u> elp			
mputer\HKEY_LOCAL_MACHINE\SOFTWARE\WOW6432Nod	e\Micos\SPS\DEFAULT	\TAccExc\ACC-Exp-Fi	ile
 Signature SMTP Tabs TAccExc ACC-BACKUPDIR ACC-Dir ACC-Imp-AbsCode ACC-Imp-File ACC-Server AdditionallyExportedPersonColumns LogNr PB-Dir PB-Dir PB-Extended-Exp SpecialMode TA-Exp-File TA-Exp-File TA-Exp-File TA-Exp-File TA-Server TA-Server TA-Server TA-Server TA-Server TA-Username TimeExp TimeImp Tries UseCurrentAccessStateTable 	Name (Default) (Defa	Type REG_SZ REG_SZ REG_BINARY REG_BINARY REG_SZ	Data (value not set) Filename of exportfile for TAccExc 00 53 00 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

```
      Eile 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;0013A5A9AA81FE37;Entry-01;Sturm;

      14072022;1007S;1;"
      ";000583889202;0013A5A9AA81FE37;Entry-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 0700**S**

醋 Regi	istry Editor					
File Ed	it View Favorites Help					
Compute	er\HKEY_LOCAL_MACHINE\SOFTWARE\WOW6432N	ode\M	licos\SPS\DEFAULT	TAccExc\ExpDateFo	rmat	
×].	TAccExc	^ I	Name	Туре	Data	
	ACC-BACKUPDIR	a	(Default)	REG SZ	(value not set)	
	ACC-Dir	a	@description	REG SZ	Date foramt like DDMMYY(YY), DD=day MM=month YYYY=year or YY=year	
	ACC-Exp-File		@readonly	REG BINARY	00	
-	ACC-Imp-AbsCode	ereadoniy e @type @value	@ @tvne	REG_DINARY	53 00 YYYYMMDD	
	ACC-Imp-File		eugle REG_B	REG_DINART		
	ACC-Server		Walue	KEG_SZ		
	AdditionallyExportedPersonColumns					
	ExpDateFormat					
	LogNr					
	PB-Dir					
	PB-Extended-Exp					
	SpecialMode					
	TA-Dir					
	TA-Exp-File					
	A-Exp-File-AbsCode					
	A-Imp-File					
	TA-Password					
	TA-Server					
	A-Username					



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FTP parameters			

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

📑 Registry Editor

File Edit View Favorites Help

.omputer\HKEY_LOCAL_MACHINE\SOFTWARE\WOW6432Node\Micos\SPS\DEFAULT\TAccExc\TA-Dir								
>	RTC	^	Name	Туре	Data			
>]	Signature		(Default)	REG SZ	(value not set)			
>]	SMTP		ab @description	REG SZ	Transfer directory on external server (no qualified name			
>]	Tabs		110 @readonly	REG BINARY	00			
×]	TAccExc		100 Otvne	REG RINARY	53.00			
	ACC-BACKUPDIR		ab @value	REG SZ	55.00			
	ACC-Dir		evalue	NEO_32				
	ACC-Exp-File							
	ACC-Imp-AbsCode							
	ACC-Imp-File							
	ACC-Server							
	AdditionallyExportedPersonColumns							
	LogNr							
	PB-Dir							
	PB-Extended-Exp							
	SpecialMode							
	TA-Dir							
	A-Exp-File							
	TA-Exp-File-AbsCode							
_	A-Imp-File							
	- A-Password							
	A-Server							
	IA-Username							
	TimeExp							
	LimeImp							
	Iries							
	UseCurrentAccessStateTable	\checkmark						

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".