

From	
BT/PAA	

Our	Reference	

Tel

<sup>Ovar</sup> 01 September 2023

### Supplementary documentation for the Bosch OSSO-SO Configurator tool

Issue	Defining an OSS-SO site in a third-party configuration tool
Торіс	Using the Allegion OSSMobile tool

### Overview

Before they can be mapped into a Bosch access control system (ACS), the main parameters of an OSS-SO locking system (also known as an OSS-SO "site") must be defined in the manufacturer's own configuration tool.

Here we use the Allegion OSSMobile application.

- This tool exports a configuration in the form of an XML file, to form the foundation of the Bosch OSS-SO configuration.
- The person responsible for configuring OSO in the Bosch ACS imports the XML file into the Bosch OSO Configurator tool, and adds to it those details that the Bosch ACS requires.

### Prerequisite hardware and software

- The Allegion OSSMobile Application
- USB radio stick or NFC in a USB port of the computer where the OSSMobile application is running.

# Defining an OSS-SO locking system with the OSSMobile application

#### Introduction

We define a basic OSS-SO locking system (also known as a "site") and export it to an XML file for further processing in the Bosch OSO Configurator tool.

## Configuring the application for MIFARE DESfire cards

1. Start the OSSMobile application



From		Our Reference	Tel	Ovar
BT/	PAA			01 September 2023
Repo	rt			
Issue				
Topic	:			
2.	On the OSS ir	ntitalization tab, selec	t MIFARE OSS doors a	and click Next
	CSS Mobile 1.0.1.0			– 🗆 X
	rite Settings Heip			
				Language
				English
	Login OSS initi	alization		
	- Selection of REID	) technology for OSS doors		
	No OSS operati	ng data available! These must be e	entered before logging on to OSS Mob	oile.
	Select whether	the OSS system is operated with M	IIFARE or LEGIC offline doors:	
	MIFARE O	SS doors		
		S doors		
	U LEGIC US	3 00013	-	
				Next



From	Our Reference	Tel	Ovar
BT/PAA			01 September 2023

Report	
Issue	
Topic	

3. Enter the DESFire access key and the DESFire AID without the hex prefix 0x. The two fields turn green if the input is valid. Click **Next** 

CSS Mobile 1.0.1.0		- 0	×
File Settings Help			
	Language		
	English	~	
Login OSS initialization			
Selection of customer-specific OSS parameters			
System key: used to identify the OSS offline doors (same as DESFIRE key). DESFire key: used to read/writ credential data. System key 1			
DESFire access key DESFire AID			
	Previous	Next	



From	Our Reference	Tel	Ovar
BT/PAA			01 September 2023

Report	
Issue	
Topic	

# 4. Define a password to secure the configuration and click Save

OSS Mobile 1.0.1.0		- 0
ile Settings Help		
	Language	
	English	~
Login OSS initialization		
Password		
The password is used to en	Aobile	
The password is used to en	Aobile.	
Password The password is used to en	Aobile.	
Password The password is used to en	lobile.	
Password The password is used to en New password	Aobile.	
Password The password is used to en New password	Nobile.	
Password The password is used to en New password Confirm password	Aobile.	
Password The password is used to en New password Confirm password	Aobile.	
Password The password is used to en New password Confirm password	Aobile.	
Password The password is used to en New password Confirm password	Aobile.	Save



From BT/PAA	Our Reference	Tel	<sub>Ovar</sub> 01 September 2023
Report			
Issue			
Торіс			

# Configuring locks with the OSSMobile application

OSS Mobile 1.0.1.0		- 🗆
ile Settings Help		
		Language English v
Login		
		Forgot password
		Change password
Password for login	/	
Supported OSS technology: Mifare	Password	Login

- 1. Start the installed and configured OSSMobile App
- 2. Enter the password that you set for this configuration in the previous section.
- 3. Connect the NFC USB transmitter to PC and hold the reader in front of Allegion reader



From BT/PAA	Our Reference	Tel	<sub>Ovar</sub> 01 September 2023

Report	
Issue	
Topic	

4. The **Time and Info** tab shows the lock firmware, the door configuration and the current battery state and time.

System   OSS   MIFARE Fitting   Processor   ATXMEGA128A3U   31 55 31 32 36 39 10 04 00 04 00   Date and Time Last Time Synchronization   Time Synchronization   Current Time of the Door   Use PC Time   Date   12.07.2022   Sume   Date   Sume   12.07.2022   Sume   NFC USB   Connected Door   Version 4.4.3   Build Time: 7/5/2019 10:18 AM   Connected Door   Site Id   Door Id   ONLINE Date   Date   Date   12/07/2022			
System OSS MIFARE Fitting Processor ATXMEGA128A3U 31 55 31 32 36 39 10 04 00 04 00 Date and Time Last Time Synchronization Time Synchronization Use PC Time Date 12.07.2022 Sure Date 12/07/2022	ne and Info Door Initialization Door Da	ta Blocking list	
Date and Time Last Time Synchronization Door Not Initialized Door Not Initialized Door Not Initialized Date 12.07.2022 Support Date 12/07/2022	System OSS MIFARE Fitting Processor ATXMEGA128A3U 31 55 31 32 36 39 10 04 00 04 00	Firmware Version 4.4.3 Build Time: 7/5/2019 10:18 AM Bootloader Version 4.4.3 Build Time: 7/5/2019 10:18 AM	NFC USB CONNECTED Connected Door Site Id 0 Door Id 0 ONLINE
Date 12/07/2022 Date 12/07/2022	Time Synchronization Use PC Time	Current Time of the Door	
Time 14:30:57 Time 13:44:21	Date         12.07.2022 ∨         State           Time         14:30:57 ★         State	Date 12/07/2022 Time 13:44:21	Reboot Device cold start (erases all data erased - keeps firmwa



<sup>From</sup> BT/PAA	Our Reference	Γε	91	Ovar 01 S	September 2023
Report Issue Topic 5. Open the <b>Doc</b>	or Initialization tab.				
A warning ap	pears. Click <b>OK</b> to ackno	owledge.			x
XML task file Active imported XM Name	L tasks: BIS/ACE		Import XML tasks	NFC USB	
Pending tasks			Export results	Connected Door	0
Site Id Door Id	OSS Mobile Name of the door	uitable door initialization dat or that has not yet been initial uitable XML file was selected o ain any initialization data for a	× a is available for loading to lized! or the XML file does not a new door.	Door Id ONLINE Door Not Initialize	0 0 ed 4,50Volt
				Reboot Device cold start (erases all data erase	d - keeps firmware) Cold start

Connected to door: Online.



From BT/PAA	Our Reference	Tel	<sub>Ovar</sub> 01 September 2023

Report	
Issue	
Торіс	

6. To assign the AMS configuration to the lock, click **Import XML tasks IMPORTANT**: Importing a configuration file deletes unsaved data. Save your work and confirm the **Benlace data?** dialog

OSS Mobile 1.0.1.0					_	
ile Settings He	elp					
ime and Info	Door Initialization	Door Data Blockin	g list			
XML task file				NFC USB		
Active imported >	KML tasks:		Import XML ta	asks CONNEC	CTED	
lame	BIS/ACE			Connected	Deer	
<sup>o</sup> ending tasks	0		Export resul	Its		
<sup>2</sup> ending tasks	s (door configuratio	ins)		Site Id	0	
5	- (	Replace data:		×	0	
Site Id Door	r Id Name of the door			Door Id	U	
Site Id Door	r Id Name of the door	Open tasks (do	oor configurations) are replaced during im	port.	U	
Site Id Door	r Id Name of the door	Open tasks (do Unprocessed r	oor configurations) are replaced during im esults are deleted.	port. ONLINE		
Site Id Door	r Id Name of the door	Open tasks (do Unprocessed r Continue and	oor configurations) are replaced during im esults are deleted. replace data?	port. Door Id Door Not	Initialized	
Site Id Door	r Id Name of the door	Open tasks (do Unprocessed r Continue and	oor configurations) are replaced during im esults are deleted. replace data?	Door Id ONLINE Door Not	Initialized	<b></b>
Site Id Door	r Id Name of the door	Open tasks (do Unprocessed r Continue and	oor configurations) are replaced during im esults are deleted. replace data?	ein	Initialized	4,50Volt
Site Id Door	r Id Name of the door	Open tasks (do Unprocessed r Continue and	oor configurations) are replaced during im esults are deleted. replace data?	ein Door Id	Initialized	4.50Volt
Site Id Door	r Id Name of the door	Open tasks (do Unprocessed r Continue and	oor configurations) are replaced during im esuits are deleted. replace data?	ein Door Id Door Id ONLINE Door Not Reboot Device cold Device cold	Initialized	4,50Volt
Site Id Door	r Id Name of the door	Open tasks (do Unprocessed r Continue and	oor configurations) are replaced during im esuits are deleted. replace data?	ein Door Id ONLINE Door Not	Initialized	4,50Volt
Site Id Door	r Id Name of the door	Open tasks (dd Unprocessed r Continue and	oor configurations) are replaced during im esults are deleted. replace data? Ja N	ein Door Id ONLINE Door Not	Initialized	4,50Volt



From BT/PAA	Our Reference	Tel	<sub>Ovar</sub> 01 September 2023

Report	
Issue	
Topic	

# 7. <u>Select the configuration file that you created in the Bosch OSO Configurator.</u>

ML task file tive imported XML tasl	ks:		Import XML task	s	NFC USE	3 ECTED	
ame BIS/A	CE				Connecte	ed Door	
onding tasks 0			Export results			-	
Import door parameters (	*.XMI.)				- C'- 11-		×
← → × ↑ 🔲 > Die	ser PC → Lokaler Datenträger (C:) → Benutzer →	AMS > Desktop >		ٽ <u>ک</u>	"Desktop	" durchsuchen	٩
Organisieren 👻 Neuer	Ordner			. 0	- minish	== -	
Kartenprogramn ^	Name	Änderungsdatum	Тур	Größe		-	
Logs	P3K 3.4 Build 805	14 06 2022 09.14	Dateiordner				
OSS-SO	Bosch Access ImporterExporter1 0 10 0	08.02.2021 08:47	Dateiordner				
U&Z	Firmware Beschlag	12.07.2022 08:28	Dateiordner				
	Firmware eZylinder 2.1	12.07.2022 08:28	Dateiordner				
Dieser PC	Firmware Wandleser	12.07.2022 08:28	Dateiordner				
🧊 3D-Objekte	Normbau	14.06.2022 15:17	Dateiordner				
📰 Bilder	OSS Firmware	12.07.2022 08:28	Dateionther				
Desktop		02.06.2022 09.52	Dateiordner				
Dokumente	Configuration 10 Demotüren	29.06.2022 12:25	XML-Dokument		6 KB		
Downloads	🖹 configuration	29.06.2022 12:24	XML-Dokument		1 KB		
h Musik	NOCTasks_Zone Installation_Mifare_0x9999	12.07.2022 08:38	XML-Dokument		2 KB		
Videos							
i - Lokaler Datenträ							
Character Datentra							
T Shared Folders (							



From BT/PAA	Our Reference	Tel	<sub>Ovar</sub> 01 September 2023

Report Issue Topic

#### 8. Click **Open** to import the configuration

If the configuration is free of errors, a list of locks will appear. (This illustrated example shows a configuration containing only one lock).

				NFC USB	
ive imported XML tar				CONNECT	ED
me BIS/	👯 New Door Initialization			- 🗆 X	
nding tasks 1	Which identity is to b	e assigned to the do	ior?		pr 
nding tasks (dor	Site Id Door Id	Name	Description		0
inaling ablic (abl	1 5	TestTürNoamba	u 🔨		0
eld Doorld N					U
				1	alized
					4,51Vo
	Cancel			Assign ID	4,51Vc

**Note**: If a schema check error appears when opening the configuration:



then abort the import and make the following edit to the configuration file before re-importing:

```
Replace the string:
<Configuration xmlns="http://oss-so.com">
with
<Configuration>
```



From BT/PAA	Our Reference	Tel	<sub>Ovar</sub> 01 September 2023

Report Issue Topic

 Select the AMS lock configuration that you want to assign, and click Assign ID. The tool writes the configuration to the lock and displays the Site ID and Door ID in the dialog (see below). The configuration and the assignment to the AMS configuration are now complete.

OSS Mobile 1.0.1.0				- 🗆 🗙
File Settings Help				
Time and Info Door Initialization Do	or Data Blocking list F	irmware Diagnostics		
XML task file			NFC USB	
Active imported XML tasks:		Import XML tasks	CONNECTED	
Name BIS/ACE			Connected Door	
Pending tasks 0		Export results	TestTürNoamba	au
Pending tasks (door configurations)		Site Id	1	
Site Id Door Id Name of the door Configuration type Last action		Last action	Door Id	5
			ONLINE	
			L	
				4,50Volt
			Reboot	
			Device cold start (erases all data erase	d - keeps firmware)
				Cold start
Connected to door: Online.				

- 10. Save the XML file in a location to which the Bosch OSO Configurator tool has access.
- 11. Proceed to the chapter in OSS-SO\_Integration.pdf for instructions on importing an OSS-SO site in the Bosch OSO Configurator tool.