# Roger Access Control System 5v2

Application note no. 040

Document version: Rev. A

# **Operators and partitions**

Note: This document refers to RACS 5 v2.0.8 or higher

### **Introduction**

Operators of VISO software can configure, manage and monitor the RACS 5 system. Each Operator is authorized in the software by means of login and password or by means of Active Directory service (if available). The access of Operators to various parts of the software can be configured by means of Roles. Additionally it is possible to define Authorisations in regard of Remote Commands which can be sent by Operators to the system also from the level of Maps in VISO software. RACS 5 system can be managed concurrently by Operators from multiple workstation with installed VISO software.

The system can be divided into Partitions i.e. logical subsystems managed by dedicated Operators if licensed VISO EX software is installed. Partitions are useful in a scenario where multi-tenant building is under control of single access control system. Then each tenant can manage own Access Doors, Authorisations, users, etc. within the whole RACS 5 system installed in the building.

# **Operators**

A predefined Admin Operator with empty password is available in VISO software. This Operator can access all possible areas of VISO software. When VISO is started for the first time then password defining for Admin Operator is enforced by the software.

In order to create own Operator:

- In the top menu of VISO software select *Administration* and then *Operators* icon.
- In the opened window select *Add* and in the next window define the Operator settings. Close the window with *OK* button.

Add Operato	r				?	$\times$
Login						
Name:	Operato	r_2		Sei	arch	
Login:						
Authenticati	on Setting	IS				
Active Di	irectory A	uthentication				
O In-applic	ation Auth	entication				
Password	:					
Confirm p	assword:	•••••				
Scope Settin	igs					
Scope:	Administ	rator				~
Partition:	Not defi	ned				~
Additional in	formation					
Email:						
Phone:						
Description:						
			ОК		Cance	el

- In the bottom select *Roles* tab and then *Assign*.
- In the opened window select one of predefined Roles. Operator can have multiple Roles and it is possible to define own Roles.

In the Operator window it is also possible to modify Operator password using the button *Change Password*.

#### Roles

Roles are used to indicate what areas and elements of VISO software are available for the Operators with particular Role. There are many predefined Roles in the software. In order to define own Role:

- In the top menu select *Administration* and then *Roles*.
- In the opened window select *Add* and in the next window select if the new Role is based on existing Role, it includes no permission or all permissions. Close the window with *OK* button.

Add Role		?	$\times$
Name:	Role_2		
Default Permissions:	No permissions		~
Description:	No permissions		
	Basic Administrator		
	All permissions		
	Human Resources Manager		
	Advanced Human Resources Manager		
	Security Guard		
	Access to Person wizards		

- In the bottom select *Permissions* tab.
- On the list select what elements and buttons will be accessible within the Role.



ма Р	Assign <i>P</i> Ass	ign All 🔗 Remove All 🔗 Rer	nove 🔒 Report	III III 💾 🖪
	Action/Comma	and	Description	Permitted
N N	=	R 🛛 C		
	> System obj	ect: 🔠 Access Point		
	> System obj	ect: 📗 Access Terminal		
	> System obj	ect: 👤 Access User Group		
	✓ System obj	ect: 👤 Access User Person		
>	📄 Show	Operator can view and browse	Access User Persons.	$\checkmark$
	Add	Operator can add Access User	Persons.	
	🧪 Edit	Operator can edit Access User	Persons.	
	🖶 Delete	Operator can delete Access Lis	er Persons	

Note: Some permissions are managed in cascade. For example, management of Access Doors in VISO navigation tree requires not only permission to Access Door object but also permissions to such objects as Communication Server, Controller Group and Access Controller.

# **Operator Authorisations**

In general perspective, Authorisation is used to define which function (e.g. door open, zone arming) can be started by user for particular logic object (e.g. Access Doors, Access Points, zones) in specific time limits (Schedules). Functions can be started locally by users e.g. at a reader and also remotely by Operators in VISO software. It is possible to configure which functions can be started remotely by particular Operator. By default, each Operator including Administrator cannot start any functions remotely in the system.

Defining of Operator Authorisations is done by association with Access User Person who is assigned with Basic Authorisations and/or Advanced Authorisations for particular functions in the system. In such case the Operator inherits user's Authorisation and can for example open the same doors as the user. More information on Authorisation defining is given in AN003 application note.

In order to assign Administrator Operator with Advanced Authorisation for function [136]: Set Alternately Normal/Unlocked Door Mode for particular Access Door:

- Configure the system according to AN006 application note and define exemplary Access Door with the name *C1\_Door1* using available wizard.
- Expand *Authorisations* in the navigation tree of VISO software and then double click *Advanced Authorisations*.
- In the opened window select *Add* in order to define Authorisation for function [136]: Set *Alternately Normal/Unlocked Door Mode*. Close the window with *OK* button.

Add Advanced	Authorisation		?	×
General				
Enabled:				
Name:	Authorisation for Door 1 unlock/normal			
Type:	Main			~
Valid from:	[Not limited]	~	12:00 AM	٢
Valid to:	[Not limited]	~	12:00 AM	\$
Description:				
Action				
Action Type:	Function			~
Function:	[136]: Set Alternately Normal/Unlocked Door Mode			~
Advanced Opt	ions			~
		ОК	0	ancel

• In the bottom select *Positive Rules* tab and define Object type rule for *C1\_Door1* Access Door. Close the window with *OK* button.

Type:	Access Door	1		×
Range:	Specified			~
Where				
Schedule:				
Time Range:	Always			~
When				
Type:	Object			~
Enabled:				
General				
Add Rule			?	$\times$

- In the top menu of VISO software select *Wizards* and then *Add Person Online* to enrol exemplary user with the name Casillas Ahriman.
- In the window shown below select *Remote Management* tab and assign Administrator in *Operator* field. This will associate the Operator with the user so the Operator could inherit user's Authorisations.
- In the next steps assign the user with previously created Advanced Authorisation for function [136] and obligatory define Access Credential with any Authentication Factor (card, PIN).
- Upload new settings to controller.

Add Person Online					?		$\times$
Person details Enter Access User Person	n data and click [Next] to co	ontinue.					
Steps	General						
		Name:	Casillas Ahriman				
Person details		First Name:					
Access Credential type sele		Last Name:					
<b>O</b>		Group:	None			~	×
Access Credential details		Department:	None		~	×	۵
$\bigcirc$		Job:	None		~	×	\$
Authorisation Groups select		Supervisor:	(none)			×	×
	Contact Information	Additional Options	Remote Management	Private Data Protection	Description	<	>
Authorisations selection	Operator: Administr	rator				×	×
Authentication Factors defi							
Access (radantials calaction							

Note: When Person is edited then also Default Credential can be indicated when Operator is assigned to Person. This is only relevant if there are Persons with multiple Access Credentials defined in the system.

After synchronisation of settings, the Administrator and associated Casillas Ahriman user will be able to start the function [136] at Access Door C1\_Door1, with such difference that the Operator can start it with Remote Command while user can start it locally at a reader. In case of user it would be also necessary to define method for the function starting e.g. double card reading at particular Access Point (reader) which can be configured with its Authentication Options.

Similarly other Authorisations can be defined and assigned to user and consequently also to associated Operator e.g. for Automation Node and related output switching, for Alarm Zone arming, etc. Basic Authorisations can be applied instead of or along with Advanced Authorisations if it is not necessary to define rights to specific functions but to specific groups of functions.

The Operator can start Remote Command right clicking the Access Door in VISO navigation tree or on a Map if it is configured in VISO software as explained in AN055 application note.

		9	$\times$
associated with Access User Person which is assigned with Auth	norisation for the funct	tion.	
Admin			
Casillas Ahriman			
Access Credential_2_Casillas Ahriman			~
Access Door			
[3]: C1_Door 1			
[136]: Set Alternately Normal/Unlocked Door Mode			~
	8	Save as defa	ult
	ОК	Cano	el
	Admin Casillas Ahriman Access Door [3]: C1_Door 1 [136]: Set Alternately Normal/Unlocked Door Mode	Admin Casillas Ahriman Access Door [3]: C1_Door1 [136]: Set Alternately Normal/Unlocked Door Mode	associated with Access User Person which is assigned with Authorisation for the function.  Admin Casillas Ahriman  Access Credential_2_Casillas Ahriman  Access Door [3]: C1_Door 1 [136]: Set Alternately Normal/Unlocked Door Mode  Case Conception  Conception



The most simple method to grant all Authorizations to Operator and consequently enable full remote control of the system is to assign such Operator to Person whose Access Credential has the option *Master Exemption* enabled.

Add Person Online			?	×
Access Credential details Enter Access Credential	data and click [N	iext] to continue.		
Steps	General			
	Name:	Access Credential_3_Casillas Ahriman		
Person details	Type:	None		~
	Belongs to:	None	~	×
Access Credential type sele	Valid from:	None 12:00 A	M	\$
Access Credential details	Valid to:	None v 12:00 A	М	٥
	Additional	Options Exemptions Description		
Authorisation Groups select	Master Exem	ption:		
-	Anti-passbac	k Exemption:		
Authorisations selection	Occupancy C	ount Exemption:		
	Occupancy C	ount Limit Exemption:		
Authentication Factors defi	Perimeter Zo	ne Exemption:		
Data saving				

# **Operator Log**

All actions performed by Operators in VISO software are registered, so it is possible to determine who did what and if necessary to cancel or revert changes. The log is available after selection of *Administration* in the top menu of VISO software and then *Operator Log*.

Additionally it is possible to analyse Operator activities by selection of *Administration* in the top menu of VISO software and then *Operator Sessions*.

Operator Log						
Time range: Last 30 days	~	C Refresh 💾 Report				
Time and Date	Operator	Host	Action/Command	Object Type	Object	Description
<sup>n</sup> = Search	= Search	soc Search	= Search	= Search	= Search	R <mark>O</mark> C Search
> 2/21/2024 1:28:40 PM	[1]: Administrator	YMEA127564ks	Edit	1 Access User Person	5	Casillas Ahrimanx
2/21/2024 12:41:31 PM	[1]: Administrator	YMEA127564ks	Edit	2 Access User Person	5	Casillas Ahriman
2/21/2024 12:40:28 PM	[1]: Administrator	YMEA127564ks	Edit	III Access Credential	4	Access Credential_2_Casillas Ahriman
2/21/2024 12:40:18 PM	[1]: Administrator	YMEA127564ks	Add	1 Access User Person	5	Casillas Ahriman
2/21/2024 12:39:47 PM	[1]: Administrator	YMEA127564ks	Add	II Access Credential	4	Access Credential_2_Casillas Ahriman
2/21/2024 12:26:18 PM	[1]: Administrator	YMEA127564ks	Add	Access Door	3	C1_Door1
2/21/2024 12:25:34 PM	[1]: Administrator	YMEA127564ks	Add	🔎 Authorisation	5	Authorisation for Door 1 unlock/normal
2/21/2024 10:54:15 AM	[1]: Administrator	YMEA127564ks	Log in	2 Operator	1	Administrator
2/21/2024 10:53:50 AM	[1]: Administrator	YMEA127564ks	Log out	2 Operator	1	Administrator
2/21/2024 10:53:46 AM	[1]: Administrator	YMEA127564ks	Edit	3 System Options		Notification automatic confirmation

# **Partitions**

The system can be divided into Partitions i.e. logical subsystems managed by dedicated Operators if licensed VISO EX software is applied. Partitions are useful in a scenario where multi-tenant building is under control of single access control system. Then each tenant can manage own Access Doors, Authorisations, users, etc. within the whole RACS 5 system installed in the building.

In order to create Partition:



- Select *Partitions* in the top menu of VISO software and then *Partitions* icon.
- In the opened window select *Add* to create the Partition.
- In the bottom tabs, assign objects which will fall under the Partition e.g. Persons, Authorisations, etc. The same object can be shared between multiple Partitions.

Note: In VISO v2 the assignment of objects to Partitions was simplified compared to VISO v1. Therefore it is not possible to assign individual Access Doors, Access Points and other objects of access controllers. Whole Access Controllers and their objects can be assigned to Partitions.

Operators are assigned to Partitions so they could manage objects which are included in their Partitions.

Add Operator 🛛 🔁 🗙								
Login								
Name:	Operato	r_3			Se	arch		
Login:								
Authentication Settings								
Active Dir	rectory Au	uthentication						
O In-applica	O In-application Authentication							
Password:		•••••						
Confirm pa	Confirm password:							
Scope Settin	gs							
Scope:	Specified	l					<	
Partition:	Partition	1					~	
Additional inf	formation							
Email:								
Phone:								
Description:								
				ОК		Cance	:I	

Contact: Roger sp. z o.o. sp.k. 82-400 Sztum Gościszewo 59 Tel.: +48 55 272 0132 Fax: +48 55 272 0133 Tech. support: +48 55 267 0126 E-mail: <u>support@roger.pl</u> Web: <u>www.roger.pl</u>

