# inteli®

# STREET LIGHTING REMOTE MANAGEMENT



# InteliLIGHT<sup>®</sup> - StreetLight Control Enterprise Edition – Quick Guide

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# **Revision History**

Date	Version	Author	Description
3 <sup>rd</sup> December,	1.0.0	Huba Schwarzenberger	Based on inteliLIGHT <sup>®</sup> StreetLight Control
2015			Enterprise Edition, version Loka
11 <sup>th</sup> December,	1.0.1	Huba Schwarzenberger	Based on inteliLIGHT <sup>®</sup> StreetLight Control
2015			Enterprise Edition, version LoRa

# **1. Introduction**

This document is a very quick introduction into the basic features of the inteliLIGHT<sup>®</sup> StreetLight Control LoRa Edition application.

#### **1.1 Scope**

This document provides brief information on basic features of the the inteliLIGHT<sup>®</sup> StreetLight Control LoRa Edition application. For detailed information please don't hesitate to contact us and ask for our full inteliLIGHT<sup>®</sup> StreetLight Control LoRa Edition user's manual. Our contact information is shown in chapter Contact information.

# 2. Getting Access, Understanding and Running Basic Operations in the inteliLIGHT® StreetLight Control Application

### 2.1 Accessing the Interface – Logging in

Before logging in to the inteliLIGHT<sup>®</sup> StreetLight Control application you have to make sure that you have a valid username and password. Without a valid username and password you won't be able to access the software.

1. In a browser window type the link (https://lora-eval.intelilight.eu/ Web/) to the inteliLIGHT<sup>®</sup> StreetLight Control application. The below login box will appear.

ADMINISTRA	TION PLATFORM
Username	
Password	
	Login

Figure 1 – inteliLIGHT<sup>®</sup> StreetLight Control login screen

- 2. On the login screen, enter an inteliLIGHT<sup>®</sup> StreetLight Control application username and password.
- 3. On an incorrect username and/or password you will be returned to the login box. On succe ssful login you will be taken to the inteliLIGHT<sup>®</sup> StreetLight Control application's home page.



Please make sure that your username and password is and remains confidential.

## 2.2 Understanding the Interface



Figure 2 – Main Screen

#### 2.2.1 Dashboard Menu

The Dashboard Menu is divided into three parts: Groups, Lighting Panels and Notifications.

The information will be displayed in the Details Page (Dashboard), regardless of the menu item we choose to access. For more information on the Dashboard please see chapter 2.3.2 Luminaire Dashboard.



The Dashboard is the only tab which cannot be closed and it will load its content based on the selected menu item.

#### 2.2.2 Pages Menu

The content which can be accessed via this menu is rather rich. All of these pages will be opened in separate tabs and can be closed by a simple click.

#### 2.2.3 Status Bar

The Status Bar offers information about the following:

- inteliLIGHT® StreetLight Control Enterprise Edition version

- active Administration Unit
- active Schedule
- number of remaining SMS used for sending notifications
- local date and time
- notifications
- LoRa commands 🞴
- number of working / total number of lighting panels
- number of working / total number of segment controllers
- number of luminaries
- first name and last name of the currently logged user
- language selection box
- logout button.

#### 2.2.4 Main Area

The Main Area will be loaded by either the Network Map, the Dashboard or an infinite number of pages displayed in separate tabs. In order to navigate between these pages, simply click the desired tab header.

To load content into this area please click the desired menu item from the Dashboard or Pages Menu.

#### 2.2.5 Detail Box

The Detail Box allows the execution of commands and offers information about a selected lighting panel or a luminaire.

# 2.3 Understanding the Luminaire Detail Box and the Luminaire Dashboard

#### 2.3.1 Luminaire Detail Box

The luminaire detail box offers information and allows running commands on a selected LoRa device. In order to access the detail box, select your preferred device on the network map or hit the Zoom on button with the device selected. This can normally be done, by right clicking the device in a table containing it, but also from different areas of the inteliLIGHT<sup>®</sup> StreetLight Control application.

The detail box is divided into three areas. The top part of the detail box offers information about the device, such as name, address, notifications etc. The middle part offers information about device readings which we grouped into two tables according to importance and finally the bottom part is a group of four buttons which we explain below.

- Detail button: this will open the luminaire's dashboard which offers a more detailed view of the selected device.

Command button: this button allows running commands on the selected device. For more information please see chapter

- 2.4 Executing Turn on, Turn off and Dimming Commands on LoRa Devices
- Overview tab: offers information about the device, the device readings (keep in mind that in

order to refresh the information you will have to click the Get device variables button and wait until your request is processed. To monitor your request click the LoRa commands button

located in the status bar. Keep in mind that due to their nature, some LoRa commands might time out in which case you might have to run the command again.



The response from the LoRa device is not instant and might require some time to receive the information even in a fast LoRa environment.



Keep I mind that after each command sent to any LoRa device (Turn on, Turn off, Dimming) there will be no visual (Luminaire Icon on the map) or written (Detail

box, Dashboard) feedback, until requesting it, by pressing the Get device variables button.



Depending on communication bandwidth restrictions you might want to request specific information in a specific order from your LoRa device. In order to do so, open the Controller variables box, select your preferred parameters, set the order by clicking the up and down arrows and hit the

Get device variables button, located in the left upper corner.

Device variables button: this button will send a request to the device, asking for all the instant information the device can offer.

You will be able to monitor the status of your request in the LoRa commands window, accessible

from the Status bar Control of the status of the status of the status of the status bar from the status bar from the status of t



The response from the LoRa device is not instant and might require some time to receive the information even in a fast LoRa environment.



Keep I mind that after each command sent to any LoRa device (Turn on, Turn off, Dimming) there will be no visual (Luminaire Icon on the map) or written (Detail

box, Dashboard) feedback, until requesting it, by pressing the <sup>29</sup> Get device variables button.

- Q zoom on button: by clicking this button, you will be taken on the network map, focused on the selected device.

Controller name / Id	L-00	L-008 / 58 turn off / Lamp Off		
Command / Status	turn off / Lan			
Schedule group	LoRa Gr	oup/		
2015-12-03 16:22:05 Re	lay stuck on			
Power (W)	0.00			
Voltage (V)	235.00			
Current (A)	0.00			
Power factor	0.00			
On time (hh)	0			
Remaining time (hh)	24,000			
Parameters		•		
Apparent energy (VAh)	0.00	^		
Active energy (Wh)	0.00			
Reactive energy (VArh)	0.00			
Apparent power (VA)	1.60			

Figure 3 – Luminaire Detail Box

#### 2.3.2 Luminaire Dashboard

The luminaire dashboard offers detailed information and allows running commands on a selected LoRa device. In order to access the dashboard, select your preferred device on the network map and click directly on the Dashboard tab or click the Detail 🗮 button found in the bottom part of the luminaire detail box.

Amongst all the features of the luminaire box, the dashboard contains charts based on readings received from the LoRa device and offers access to configuring the devices schedule. For more information about setting up a schedule, please refer to chapter 2.5 Setting up the Scheduler for a LoRa Device. A very short description of the luminaire dashboard can be seen below.

#### [INTELILIGHT® STREETLIGHT CONTROL ENTERPRISE] December 11, 2015

🕄 Map 🎵	LoRa - f03d2910000	001059 / L-003 / LoF	RaWAN							
roximus LoRaWAI	N / LoRaWAN / LoRa -	f03d291000001059	) / L-003 / Online /	FRE100 / LED / [Rue de	la Carpe 50-52, 1080 Mo	lenbeek-Saint-Jea	n, Belgium]	i=		Ð
Overview	Notifications	Device Para	ameters	Energy consumption	Schedule	Properties				
Edit Controller	Replace Controller	r Edit Lamp	Replace Lamp	Change address						
Pole ID / Id Command / Status	LoRa - f0 s turn on /	13d291000001059 / Lamp On	63 Sci De	nedule group vice id	LoRa Group f03d291000001059	Install date Last read	2015-12-02 13:59:04 2015-12-03 13:44:22	Notifications	1	
Power (W)							27.80			
Voltage (V)							228.00			
Current (A)							0.06			
Power factor							96.00			
On time (hh)							0			
Remaining time (h	h)						24,000			
					Parameters					-
Apparent energy (	VAh)						95.00			^
Active energy (Wh	)						74.00			
Reactive energy (	VArh)						63,493.00			
Apparent power (\	/A)						28.80			~
0				I	Module variables				1 T	۲
0					LoRaWAN status				0	
					Notes					
					Images					

#### Figure 4 – Luminaire Dashboard

- Overview tab: offers information about the device, the device readings (keep in mind that in

order to refresh the information you will have to click the Get device variables button and wait until your request is processed. To monitor your request click the LoRa commands button

located in the status bar. Keep in mind that due to their nature, some LoRa commands might time out in which case you might have to run the command again.



The response from the LoRa device is not instant and might require some time to receive the information even in a fast LoRa environment.

Keep I mind that after each command sent to any LoRa device (Turn on, Turn off, Dimming) there will be no visual (Luminaire Icon on the map) or written (Detail box, Dashboard) feedback, until requesting it, by

pressing the <sup>22</sup> Get device variables button.



Depending on communication bandwidth restrictions you might want to request specific information in a specific order from your LoRa device. In order to do so, open the Controller variables box, select your preferred parameters, set the order by clicking the up and down arrows and hit the Get device variables button, located in the left upper corner.

Properties tab: offers information and allows customization of the LoRa device's properties.



For the time being the property records are under continuous development, so please keep in mind that not everything described below may be accurate at the time of reading the current manual.



Not all property records are editable, some of them are flagged read only others may be flagged invisible to the regular the inteliLIGHT<sup>®</sup> StreetLight Control user.

The properties are divided into three categories:

1. Configuration properties

These are operational properties and not all of them will be editable by the the inteliLIGHT<sup>®</sup> StreetLight Control user.

2. Communication properties

These are properties related to the device's communication in the LoRa network.

3. Reading configuration

These properties used for customizing the information that you will be receiving at specified times from your LoRa device.



In order to get a better understanding of most records which can be found in the Properties tab, please read chapter 2.6.2 Automated Information.

# 2.4 Executing Turn on, Turn off and Dimming Commands on LoRa Devices

In order to turn on, turn off or set your device into a dimming state, select your LoRa device and click the

Command button located at the bottom of the luminaire detail box or in the upper right side of the luminaire dashboard. A list of command options will appear based on the inteliLIGHT<sup>®</sup> StreetLight Control configuration.

Click the one you would like to execute on your LoRa device.

To monitor your request click the LoRa commands button located in the status bar. Keep in mind that due to their nature, some LoRa commands might time out in which case you might have to run the command again.



Keep I mind that after each command sent to any LoRa device (Turn on, Turn off, Dimming) there will be no visual (Luminaire Icon on the map) or written (Detail box,

Dashboard) feedback, until requesting it, by pressing the Get device variables button.

Controller name / Id Command / Status Schedule group	L-008 / turn off / Lamp LoRa Grou
Power (W)	0.00
Voltage (V)	235.00
Current (A)	0.00
Power factor	0.00
On time (hh)	0
Remaining time (hh)	24,000
Parameters	
Apparent energy (VAh)	0.00
Active energy (Wh)	0.00
Reactive energy (VArh)	0.00
Apparent power (VA)	1.60

Figure 5 – Executing Commands

#### 2.5 Setting up the Scheduler for a LoRa Device

Each LoRa device may act and execute commands according to an individually configured scheduler containing series of events at specific times.

It is important to know that due to our software architecture one ore more groups containing devices will be assigned to one and only one schedule (N to 1 relationship), meaning all the devices belonging to a group will have the same assigned schedule. In order to have your LoRa devices act according to different schedules, please place them in separate groups. Since this user's manual has been written for our LoRa demonstration environment, our support team has probably already done this for you. For any problems or questions, please don't hesitate to contact us.

To edit or create a schedule for your LoRa device, please select it and open the Schedule tab in the luminaire dashboard.

In the Schedule entries tab click the  $^{\textcircled{0}}$  add button to add a new event,  $\overset{\checkmark}{}$  edit button to edit and event or the 0 delete button to delete one.

Schedule entry: name of the command to be executed. There is no restriction on the name of the entry, feel free to pick one of your liking.

Command: select the command you would like to be executed by the LoRa device.

Schedule type: by choosing "Absolut" you may add a specific time by choosing any of the other options, the execution time will be related to sunrise and sunset.

Time offset: in case of "Absolut" please fill in the exact time of executions, in any other case fill in the time offset in hours, minutes, seconds, related to the option you have chosen.

Ex 1. Lamp will enter a dimming state of 60% each day at 2am

Schedule entry	dimming 60%
Command	dimm6 by s
Schedule type	Absolut 🗸 *
Time offset	2 0 0 *

Figure 6 – Scheduler Absolut Time

Ex 2. Lamp will turn on each day 5 minutes after sunset.

Schedule entry	turn on
Command	turn on by 📰 \star
Schedule type	SS plus 🗸 *
Time offset	0 5 0 *
Save Can	cel

Figure 7 – Scheduler Relative Time

Events graph Events list Schedule entries				
0	T / O B			
5	Schedule entry	Command	Schedule type	
2 t		turn on by schedule	SR plus	
3 t	Schedule entries editor	turn off by schedule	SR minus	
4 0		dimm6 by schedule	Absolut	
5 0	Schedule entry turn on	dimm7 by schedule	Absolut	
6 0	Command turn on by state	dimm8 by schedule	Absolut	
7 0		dimm9 by schedule	Absolut	
	Schedule type SR plus ~ *			
	Time offset 0 5 0 *			
	Save Cancel			

Figure 8 – Setting up the Scheduler for a LoRa Device

### 2.6 Getting Information from LoRa Devices

#### 2.6.1 Instant Information

- The bulky way: In order to request all the available information from a LoRa device, select it

and click the Get device variables button located in the bottom part of the luminaire detail box or in the upper right corner of the luminaire dashboard. Based on custom configuration you should receive information about the device's status, last given command, power, voltage, current, power factor, on time, apparent energy, active energy, reactive energy, apparent power and possibly others.

- The selective way: Based on communication bandwidth restrictions you might need to request specific information based on a specific priority from your LoRa device. In order to do so, select your LoRa device, head to the dashboard, open the Controller variables box, select your

preferred parameters, set the order by clicking the up and down arrows and hit the <sup>29</sup> Get device variables button, located in the left upper corner.



Figure 9 – Getting Specific Information

To monitor your request click the LoRa commands button located in the status bar. Keep in mind that due to their nature, some LoRa commands might time out in which case you might have to run the command again.

#### 2.6.2 Automated Information

Each LoRa device can be configured individually to send user defined information at a predefined time interval towards the the inteliLIGHT<sup>®</sup> StreetLight Control application. Most of this information is visible in the chart pages which can be found in the luminaire dashboard.

Due to LoRa communication limitations and costs, but also because of the fact that not all information is equally important or needed we have implemented a feature which allows you to group the information you would like to receive in separate packages. These packages will be sent by your LoRa device towards the the inteliLIGHT<sup>®</sup> StreetLight Control application at predefined time intervals.

In order to achieve this it is necessary to set up a group of three parameters and for the time being you will be able to setup a maximum amount of four groups. Each group consists of the following three parameters:

Push0 (1, 2, 3) Parameter list: this list contains the parameters the LoRa device will collect and send based on a custom priority system. Due to bandwidth limitations each time a package is being created, the LoRa device will include only those parameters which together won't exceed the allowed size of the package, according to their priority.



Figure 10 – Push0 ParameterList

Push0 (1, 2, 3) Sample counter: this is the number of samples collected during the period defined in the Push0 (1, 2, 3) Send interval timer, used in calculating the average value, which will be sent by the LoRa device.



Due to development issues, for the time being the allowed value for Push0 (1, 2, 3) Sample counter is 1.

Push0 (1, 2, 3) Send interval timer: this is the interval at which the LoRa device will send the data defined in the Push0 (1, 2, 3) Parameter list at regular basis.



Due to development issues, for the time being the allowed value for Push0 (1, 2, 3) Send interval timer has to be equal or higher than 60 seconds.

#### 2.6.3 LoRa WAN Status

In order to gain information about the LoRA WAN select your LoRa device, head to the dashboard, open

the LoRaWAN status box, click the Get LoRaWAN status button, located in the left upper corner and

wait until your request is processed. To monitor your request click the LoRa commands button located in the status bar. Keep in mind that due to their nature, some LoRa commands might time out in which case you might have to run the command again.



In order to see the updated information click the <sup>O</sup> refresh button located on the top right side.



The response from the LoRa device is not instant and might require some time to receive the information even in a fast LoRa environment.

### 2. 7 Luminaire Icons and Their Meaning

The below table describes the icons and buttons used in the inteliLIGHT<sup>®</sup> StreetLight Control application for representing luminaires in different statuses.



The icons and their meaning are subject to change and can be configured from the System Settings, Luminaire Icon Manager page.

Icon	Meaning
9	Status ON
<u>@</u>	Status ON by Scheduler
2	Status ON by Start State
2	Status ON by Command
<u>9</u>	Status ON – Alert
<u></u>	Status ON – Critical Alert
9	Status ON – Pole Door Open
<u></u>	Status ON – Pole Short Circuit
<b>S</b>	Status On – Pole Impact
	Status OFF

9	Status OFF by Command
	Status OFF by Start State
	Status OFF by Command
	Status OFF – Alert
	Status OFF – Critical Alert
	Status OFF – Unreachable
	Status OFF - Offline
	Status OFF – Pole Door Open
	Status OFF – Pole Short Circuit
	Status OFF – Communication Failure
	Status OFF – Unknown
	Status OFF - Uncommissioned
	Status OFF – Inactive
2	Status OFF – Cable Cut

	Status OFF – Pole Impact
	Status Dimming
	Status Dimming by Scheduler
2	Status Dimming by Start State
	Status Dimming by Command
	Status Dimming – Alert
	Status Dimming – Critical Alert
	Status Dimming – Pole Door Open
	Status Dimming – Pole Short Circuit
<b>S</b>	Status Dimming – Pole Impact
	Status Dimming in Progress
9	Status Failure
<u>9</u>	Status Failure – Offline
9	Status No Device ID

Table 1 – Luminaire Icons and their meaning

# LoRaWAN<sup>™</sup> compatible STREET LIGHTING REMOTE MANAGEMENT

[FRCM - LoRaWAN™ compatible lighting panel control and monitoring unit - data sheet] Ju

July 10, 2017

Ver 1.4

# **FRCM** - LoRaWAN<sup>™</sup> compatible LIGHTING PANEL CONTROL and MONITORING UNIT

Installed inside the feeder pillar, it is designed to provide autonomous operation for street lighting installations and to carry out three phase measurements and analysis of electrical parameters in street lighting grids.

- Autonomous operation based on predefined astrologic calendar and/or external light level sensor (digital INPUT).
- > Remote real-time ON/OFF control.

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- Measures parameters in street lighting grids: power factor, active/ reactive/ apparent power, voltage, current, frequency, daily active/ reactive energy consumption.
- Offers configuration options for: current transformer ratio, voltage/power thresholds and daytime/nighttime consumption thresholds.
- > **Reports** any malfunctions and errors to the central server in real-time: under/over power, under/over voltage, phase failure.
- > Inputs: 2 x Digital input.
- > **Output**: 1 x Dry contact relay output (230V, max 12A).

inteliLIGHT<sup>®</sup> is a registered trademark of FLASHNET | LoRaWAN<sup>™</sup> is a registered trademark of Semtech







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# LoRaWAN<sup>™</sup> compatible STREET LIGHTING REMOTE MANAGEMENT

[FRCM - LoRaWAN™ compatible lighting panel control and monitoring unit - data sheet] July 10, 2017

PLUG & PLAY ADAPTABLE to EXISTING STREET LIGHTING INFRASTRUCTURE SCALABLE & IMMEDIATELY OPERABLE

inteli



	FRCM
Product description	Street lighting panel control and monitoring unit
Power supply	Direct connection
Power consumption	Max. 3 W
Communication interface	LoRaWAN™
Voltage input range	0V - 265V / 45-65 Hz
Input	R, S, T voltage inputs R, S, T, N current inputs 2 x Digital input
Power network type	Three phase electric network and Neutral
Current transformers	Standard X:5, where X is user definable
Operating temperature	-25°C to + 80°C
Connectors	Lead wires or 2.5 mm <sup>2</sup> terminals
Output	1 x Dry contact relay (230V, max 6A)
Battery operation time	~ 5 hours
Dimensions (L x W x H)	70 x 90 x 63 mm
Certifications	IEC 60068-2-1, IEC 60068-2-2, ANSI/IEC 60529-2004

CONFIGURABLE

**PARAMETERS:** 

current

daytime/

nighttime

threshold

consumption

transformer ratio

current thresholds

voltage/power /

>

>

>

#### **MEASUREMENTS:**

- > voltage
- > current
- > active power
- > reactive power
- > apparent power
- > active energy
- > reactive energy
- > power factor
- > frequency

#### GENERATED ALARMS:

Ver 1.4

- over/ under voltage detection
- over/ under power detection
- over/ under current detection
- unusual daytime/nighttime consumption
- phase failure





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LoRaWAN<sup>™</sup> compatible STREET LIGHTING REMOTE MANAGEMENT <u>& SMART</u> CITY PLATFORM

[FRE-220 LoRaWAN<sup>™</sup> compatible luminaire controller - data sheet] Mar

March 7, 2018

Ver 1.4

# **FRE-220** LoRaWAN<sup>™</sup> COMPATIBLE LUMINAIRE CONTROLLER

- Enables individual remote management of streetlight lamps with electronic driver up to 400W (ON/ OFF/ Dimming).
- Specially designed and optimized for LoRaWAN™ (long range RF wide area networks).
- Autonomous operation based on predefined schedules, light level sensor and adaptive lighting.
- > Adaptive lighting capabilities based on digital input for motion sensing.
- > Bandwidth efficient with minimal communication requirements.
- > Dedicated high-security memory for encryption keys storage.
- > Wide range of electrical parameters monitoring: V, W, A, VAR, Wh, VARh, PF and frequency.
- > Advanced data synchronization and notification mechanism.
- > Battery operated RTC, protected against unforeseen communication failure.
- > External infrared interface for security keys transfer and local configuration.
- > Integrated light level sensor.
- > Over The Air (OTA) firmware update.

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> Designed **lifetime: 10+** years.

inteliLIGHT<sup>®</sup> is a registered trademark of FLASHNET | LoRaWAN™ is a registered trademark of Semtech







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### LoRaWAN<sup>™</sup> compatible STREET LIGHTING REMOTE MANAGEMENT & SMART CITY PLATFORM

[FRE-220 LoRaWAN<sup>™</sup> compatible luminaire controller - data sheet]

et] March 7, 2018

Ver 1.4

PLUG & PLAY ADAPTABLE to EXISTING TREET LIGHTING FRASTRUCTURE SCALABLE & IMMEDIATELY OPERABLE up to 0' /0 ENERGY SAVINGS up to MAINTENANCE COST REDUCTION

inteli

	FRE-220
Lamp Type	LED, CF, HID with electronic driver
Maximum lamp power	400W
Functions / Operation mode	ON/ OFF / Dimming
Dimming range	30%-100%
Dimming steps	stepless
Control interface	0-10V/ 1-10V, DALI
External interface	infrared
Network interface	LoRaWAN <sup>™</sup> (low power, long range radio frequency)
RF spectrum	868MHz / 915MHz / 923MHz
Firmware update	IR (infrared) / OTA (over the air)
Communication protocol	LoRaWAN <sup>M</sup> : Class C or Class A
Security	Dedicated high-security memory for encryption keys storage
Power supply	85 - 260VAC / 50Hz-60Hz
Surge protection	10kA
Internal scheduling memory	16 events / day
Power consumption	0.5W
Precision Real Time Clock (RTC)	Battery operated
Real-time lamp operation	LoRaWAN™ Class C networks only
IP rating	IP66
Operating temperature range	-25°C to +65°C
Dimensions (length x width x height)	169,3 x 76.8 x 108.2 mm
Compliant standards	CE, RoHS, EN 61000-3-2(2014), EN 61547(2009), EN 60068-2- 1(2007), EN 60068-2-2(2007), Prequalified according to ETSI EN 300 220
Certifications	CE / FCC ( in progress)

#### **MEASURED PARAMETERS:**

- > Lamp power
- > Line voltage
- > Current
- > Active power
- > Reactive power
- Apparent power
- Power factor
- > Energy consumption
- (active/ reactive) > Lamp / controller -
- running hours counterLamp On / Off cycles
- counter

#### **CONFIGURABLE PARAMETERS:**

- Astronomical calendar scheduler
- Predefined scheduler
   Start state ( Photocell /
- Schedule / Manual)
- > ON/OFF power threshold
- > Over/ under voltage threshold
- > Over/ under current threshold
- > Strike retry count
- > Fade time
- > Lamp warming time
- > Lamp cooldown time
- > Light level threshold
- Data transmission setup
- > Alert priority setup

#### ALARMS MONITORED:

- Over/ under voltage detection
- > Over/ under current detection
- Lamp or driver fault detection
- > Device failure

**FLASHNET** 



# CERTIFICATE

The Certification Body of TÜV SÜD Management Service GmbH

certifies that



# LUG LIGHT FACTORY Sp. z o.o.

ul. Gorzowska 11 65-127 Zielona Góra Poland

including the sites and scope of application see enclosure

has established and applies a Quality Management System.

An audit was performed, Report No. 73423157.

Proof has been furnished that the requirements according to

# ISO 9001:2015

are fulfilled.

The certificate is valid from **2018-04-03** until **2021-03-06**. Previous certificate valid until 2018-03-06. Certificate Registration No.: **12 100 23152 TMS**.

**U**. Weg

Product Compliance Management Munich, 2018-04-05



Page 1 of 2



記書

ZERTIFIKAT 
CERTIFICATE



# Enclosure of Certificate Registration No.: 12 100 23152 TMS

Sites	Scope of application
<b>LUG LIGHT FACTORY Sp. z o.o.</b> ul. Gorzowska 11 65-127 Zielona Góra Poland	Designing, production and sales of lighting systems.
<b>Lug Light Factory Sp. z o.o.</b> ul. Nowa 7 66-002 Nowy Kisielin Poland	Designing and production of lighting systems.

M. Meg

Product Compliance Management Munich, 2018-04-05

Page 2 of 2



# CERTIFICATE

The Certification Body of TÜV SÜD Management Service GmbH

certifies that



#### LUG LIGHT FACTORY Sp. z o.o. ul. Gorzowska 11 65-127 Zielona Góra Poland

including the sites and scope of application see enclosure

has established and applies an Environmental Management System.

An audit was performed, Report No. 73423157.

Proof has been furnished that the requirements according to

# ISO 14001:2015

are fulfilled.

The certificate is valid from **2018-04-03** until **2021-04-02**. Certificate Registration No.: **12 104 23152 TMS**.

h. Meg

Product Compliance Management Munich, 2018-04-05



Page 1 of 2

CERTIFICAT

**CERTIFICADO** 

СЕРТИФИКАТ

CERTIFICATE

ZERTIFIKAT



記書



# **Enclosure of Certificate Registration No.:** 12 104 23152 TMS

Sites	Scope of application
<b>LUG LIGHT FACTORY Sp. z o.o.</b> ul. Gorzowska 11 65-127 Zielona Góra Poland	Designing, production and sales of lighting systems.
<b>Lug Light Factory Sp. z o.o.</b> ul. Nowa 7 66-002 Nowy Kisielin Poland	Designing and production of lighting systems.

M. Meg

Product Compliance Management Munich, 2018-04-05

Page 2 of 2



# CERTIFICATE

The Certification Body of TÜV SÜD Management Service GmbH

certifies that



LUG LIGHT FACTORY Sp. z o.o.

ul. Gorzowska 11 65-127 Zielona Góra Poland

Scope of application

Designing, production and sales of lighting systems

> ul. Nowa 7 66-002 Nowy Kisielin Poland

Scope of application

Designing and production of lighting systems

has established and applies an Energy Management System.

An audit was performed, Report No. 73424335.

Proof has been furnished that the requirements according to

# ISO 50001:2011

are fulfilled. The certificate is valid from **2018-04-18** until **2021-04-17**. Certificate Registration No.: **12 340 23152 TMS**.

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Product Compliance Management Munich, 2018-04-18





# CERTIFICATE OF LABORATORY APPROVAL

No. TSP-17025-LB-001.00

Laboratory for Photometric, Thermal, Leak, Colorimetric and Electrical Tests

> LUG LIGHT FACTORY Sp. z o.o. ul. Gorzowska 11 65-127 Zielona Góra, Polska

Branch: ul. Nowa 7, 66-002 Nowy Kisielin

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having met the criteria regarding technical requirements specified in point 5 of the standard PN-EN ISO/IEC 17025:2005 has been approved by TÜV SÜD Polska for performing of photometric, thermal, leak, colorimetric and electrical tests.

The scope of approved test methods is specified in the attachment to this certificate.

This certificate is valid from 04.04.2018 to 04.04.2021.

TÜV SÜD Polska Sp. z o.o. 00-252 Warszawa, ul. Podwale 17

M. Obiedziński Head of Industry Service Department

Warszawa, on the 23rd of May 2018

TUV SUD Polska sp. z o.o. ●ul. Podwale 17●00-252 Warszawa●Polska●www.tuv-sud.pl


Poland

No.	Tested object, object group	Tested features/Method	Standard
1.	Luminaires - general requirements	<ul> <li>CLASSIFICATION OF LUMINAIRES</li> <li>MARKING</li> <li>STRUCTURE</li> <li>INTERNAL AND EXTERNAL WIRING</li> <li>ADJUSTMENT TO EARTHING</li> <li>PROTECTION AGAINST ELECTRIC SHOCK</li> <li>RESISTANCE TO DUST, SOLIDS AND MOISTURE</li> <li>RESISTANCE AND ELECTRICAL STRENGTH OF INSULATION</li> <li>TOUCH CURRENT AND PROTECTIVE CONDUCTOR CURRENT</li> <li>CLEARANCES AND CREEPAGE DISTANCES</li> <li>DURABILITY TEST AND THERMAL TEST</li> <li>RESISTANCE TO HEAT, FIRE AND CREEPING CURRENT</li> <li>SCREW CLAMPS</li> <li>SCREWLESS CLAMPS AND ELECTRICAL CONNECTORS</li> </ul>	PN-EN 60598-1:2015- 04
2.	Surface-mounted luminaires	<ul> <li>CLASSIFICATION OF LUMINAIRES</li> <li>MARKING</li> <li>STRUCTURE</li> <li>INTERNAL AND EXTERNAL WIRING</li> <li>ADJUSTMENT TO EARTHING</li> <li>PROTECTION AGAINST ELECTRIC SHOCK</li> <li>RESISTANCE TO DUST, SOLIDS AND MOISTURE</li> <li>RESISTANCE AND ELECTRICAL STRENGTH OF INSULATION</li> <li>TOUCH CURRENT AND PROTECTIVE CONDUCTOR CURRENT</li> <li>CLEARANCES AND CREEPAGE DISTANCES</li> <li>DURABILITY TEST AND THERMAL TEST</li> <li>RESISTANCE TO HEAT, FIRE AND CREEPING CURRENT</li> <li>SCREW CLAMPS</li> <li>SCREWLESS CLAMPS AND ELECTRICAL CONNECTORS</li> </ul>	EN 60598-2-1:1989

3.	Flush-mounted luminaires	<ul> <li>CLASSIFICATION OF LUMINAIRES</li> <li>STAMPING</li> <li>STRUCTURE</li> <li>CLEARANCES AND CREEPAGE DISTANCES</li> <li>INTERNAL AND EXTERNAL WIRING</li> <li>ADJUSTMENT TO EARTHING</li> <li>PROTECTION AGAINST ELECTRIC SHOCK</li> <li>RESISTANCE TO DUST, SOLIDS AND MOISTURE</li> <li>RESISTANCE AND ELECTRICAL STRENGTH OF INSULATION</li> <li>TOUCH CURRENT AND PROTECTIVE CONDUCTOR CURRENT</li> <li>CLEARANCES AND CREEPAGE DISTANCES</li> <li>DURABILITY TEST AND THERMAL TEST</li> <li>RESISTANCE TO HEAT, FIRE AND CREEPING CURRENT</li> <li>CLAMPS</li> </ul>	PN-EN 60598-2-2:2012
4.	Road and street luminaires	<ul> <li>CLASSIFICATION OF LUMINAIRES</li> <li>STAMPING</li> <li>STRUCTURE</li> <li>INTERNAL AND EXTERNAL WIRING</li> <li>ADJUSTMENT TO EARTHING</li> <li>PROTECTION AGAINST ELECTRIC SHOCK</li> <li>RESISTANCE TO DUST, SOLIDS AND MOISTURE</li> <li>RESISTANCE AND ELECTRICAL STRENGTH OF INSULATION</li> <li>TOUCH CURRENT AND PROTECTIVE CONDUCTOR CURRENT</li> <li>CLEARANCES AND CREEPAGE DISTANCES</li> <li>DURABILITY TEST AND THERMAL TEST</li> <li>RESISTANCE TO HEAT, FIRE AND CREEPING CURRENT</li> <li>SCREW CLAMPS</li> <li>SCREWLESS CLAMPS AND ELECTRICAL CONNECTORS</li> </ul>	PN-EN 60598-2- 3:2016/A1:2012
5.	Portable luminaires	<ul> <li>CLASSIFICATION OF LUMINAIRES</li> <li>STAMPING</li> <li>STRUCTURE</li> <li>INTERNAL AND EXTERNAL WIRING</li> <li>ADJUSTMENT TO EARTHING</li> <li>PROTECTION AGAINST ELECTRIC SHOCK</li> <li>RESISTANCE TO DUST, SOLIDS AND MOISTURE</li> <li>RESISTANCE AND ELECTRICAL STRENGTH OF INSULATION</li> <li>TOUCH CURRENT AND PROTECTIVE CONDUCTOR CURRENT</li> <li>CLEARANCES AND CREEPAGE DISTANCES</li> <li>DURABILITY TEST AND THERMAL TEST</li> <li>RESISTANCE TO HEAT, FIRE AND CREEPING CURRENT</li> <li>CLAMPS</li> </ul>	PN-EN 60598-2-4:2002

6.	Floodlights	<ul> <li>CLASSIFICATION OF LUMINAIRES</li> <li>STAMPING</li> <li>STRUCTURE</li> <li>INTERNAL AND EXTERNAL WIRING</li> <li>ADJUSTMENT TO EARTHING</li> <li>PROTECTION AGAINST ELECTRIC SHOCK</li> <li>RESISTANCE TO DUST, SOLIDS AND MOISTURE</li> <li>RESISTANCE AND ELECTRICAL STRENGTH OF INSULATION</li> <li>TOUCH CURRENT AND PROTECTIVE CONDUCTOR CURRENT</li> <li>CLEARANCES AND CREEPAGE DISTANCES</li> <li>DURABILITY TEST AND THERMAL TEST</li> <li>RESISTANCE TO HEAT, FIRE AND CREEPING CURRENT</li> <li>SCREW CLAMPS</li> <li>SCREWLESS CLAMPS AND ELECTRICAL CONNECTORS</li> </ul>	PN-EN 60598-2-5:2016- 02
7.	Luminaires for hospital clinical zones	<ul> <li>CLASSIFICATION OF LUMINAIRES</li> <li>STAMPING</li> <li>STRUCTURE</li> <li>INTERNAL AND EXTERNAL WIRING</li> <li>ADJUSTMENT TO EARTHING</li> <li>PROTECTION AGAINST ELECTRIC SHOCK</li> <li>RESISTANCE TO DUST, SOLIDS AND MOISTURE</li> <li>RESISTANCE AND ELECTRICAL STRENGTH OF INSULATION</li> <li>TOUCH CURRENT AND PROTECTIVE CONDUCTOR CURRENT</li> <li>CLEARANCES AND CREEPAGE DISTANCES</li> <li>DURABILITY TEST AND THERMAL TEST</li> <li>RESISTANCE TO HEAT, FIRE AND CREEPING CURRENT</li> <li>SCREW CLAMPS</li> <li>SCREWLESS CLAMPS AND ELECTRICAL CONNECTORS</li> </ul>	PN-EN 60598-2- 25:2000 +A1:2005
8.	Ground recessed luminaires	<ul> <li>CLASSIFICATION OF LUMINAIRES</li> <li>STAMPING</li> <li>STRUCTURE</li> <li>INTERNAL AND EXTERNAL WIRING</li> <li>ADJUSTMENT TO EARTHING</li> <li>PROTECTION AGAINST ELECTRIC SHOCK</li> <li>RESISTANCE TO DUST, SOLIDS AND MOISTURE</li> <li>RESISTANCE AND ELECTRICAL STRENGTH OF INSULATION</li> <li>TOUCH CURRENT AND PROTECTIVE CONDUCTOR CURRENT</li> <li>CLEARANCES AND CREEPAGE DISTANCES</li> <li>DURABILITY TEST AND THERMAL TEST</li> <li>RESISTANCE TO HEAT, FIRE AND CREEPING CURRENT</li> <li>SCREW CLAMPS</li> <li>SCREWLESS CLAMPS AND ELECTRICAL CONNECTORS</li> </ul>	PN-EN 60598-2- 13:2017+A1:2012

9.	Luminaires for swimming pools	<ul> <li>CLASSIFICATION OF LUMINAIRES</li> <li>STAMPING</li> <li>STRUCTURE</li> <li>INTERNAL AND EXTERNAL WIRING</li> <li>ADJUSTMENT TO EARTHING</li> <li>PROTECTION AGAINST ELECTRIC SHOCK</li> <li>RESISTANCE TO DUST, SOLIDS AND MOISTURE</li> <li>RESISTANCE AND ELECTRICAL STRENGTH OF INSULATION</li> <li>TOUCH CURRENT AND PROTECTIVE CONDUCTOR CURRENT</li> <li>CLEARANCES AND CREEPAGE DISTANCES</li> <li>DURABILITY TEST AND THERMAL TEST</li> <li>RESISTANCE TO HEAT, FIRE AND CREEPING CURRENT</li> <li>SCREW CLAMPS</li> <li>SCREWLESS CLAMPS AND ELECTRICAL CONNECTORS</li> </ul>	PN-EN 60598-2- 18:2002+A1:2012
10.	Luminaires with limited surface temperatures	<ul> <li>CLASSIFICATION OF LUMINAIRES</li> <li>STAMPING</li> <li>STRUCTURE</li> <li>INTERNAL AND EXTERNAL WIRING</li> <li>ADJUSTMENT TO EARTHING</li> <li>PROTECTION AGAINST ELECTRIC SHOCK</li> <li>RESISTANCE TO DUST, SOLIDS AND MOISTURE</li> <li>RESISTANCE AND ELECTRICAL STRENGTH OF INSULATION</li> <li>TOUCH CURRENT AND PROTECTIVE CONDUCTOR CURRENT</li> <li>CLEARANCES AND CREEPAGE DISTANCES</li> <li>DURABILITY TEST AND THERMAL TEST</li> <li>RESISTANCE TO HEAT, FIRE AND CREEPING CURRENT</li> <li>SCREW CLAMPS</li> <li>SCREWLESS CLAMPS AND ELECTRICAL CONNECTORS</li> </ul>	PN-EN 60598-2- 24:2014- 02

11.	Emergency luminaires	<ul> <li>CLASSIFICATION OF LUMINAIRES</li> <li>STAMPING</li> <li>STRUCTURE</li> <li>INTERNAL AND EXTERNAL WIRING</li> <li>ADJUSTMENT TO EARTHING</li> <li>PROTECTION AGAINST ELECTRIC SHOCK</li> <li>RESISTANCE TO DUST, SOLIDS AND MOISTURE</li> <li>RESISTANCE AND ELECTRICAL STRENGTH OF INSULATION</li> <li>TOUCH CURRENT AND PROTECTIVE CONDUCTOR CURRENT</li> <li>CLEARANCES AND CREEPAGE DISTANCES</li> <li>DURABILITY TEST AND THERMAL TEST</li> <li>RESISTANCE TO HEAT, FIRE AND CREEPING CURRENT</li> <li>SCREW CLAMPS</li> <li>SCREWLESS CLAMPS AND ELECTRICAL CONNECTORS</li> <li>PHOTOMETRIC DATA</li> <li>SWITCHING OPERATION</li> <li>WORK AT A HIGH TEMPERATURE</li> </ul>	PN-EN 60598-2- 22:2015- 01+AC:2016- 11
12.	Luminaires - light and lighting, measurement and presentation of lamps and luminaires photometric data: LED lamps, modules and luminaires	<ul> <li>LABORATORY REQUIREMENTS</li> <li>PREPARATION, ASSEMBLY AND WORKING CONDITIONS</li> <li>PHOTOMETRIC VALUE MEASUREMENT</li> <li>COLORIMETRIC VALUE MEASUREMENT</li> <li>TEST RESULTS PRESENTATION</li> </ul>	PN-EN 13032-4:2015- 09
13.	Luminaires – Electrical and photometric tests of LED luminaires and modules	<ul> <li>LABORATORY REQUIREMENTS</li> <li>TESTED OBJECTS POWER PARAMETERS</li> <li>SEASONING OF TEST SAMPLES</li> <li>STABILIZATION OF TEST SAMPLES</li> <li>ELECTRICAL MEASUREMENTS</li> <li>PREPARATION, ASSEMBLY AND WORKING CONDITIONS</li> <li>METHODS OF PHOTOMETRIC VALUE MEASUREMENT</li> <li>METHODS OF COLORIMETRIC VALUE MEASUREMENT</li> <li>PRESENTATION OF TEST RESULTS</li> <li>PERFORMANCE MEASUREMENT</li> </ul>	IES LM-79-08
14.	Luminaires	<ul> <li>EVALUATION OF RISK TO RETINA DUE TO BLUE LIGHT EXPOSURE, RISK GROUP RG0, RG1, RG2, RG3</li> <li>Lb ENERGY LUMINANCE MEASUREMENT</li> <li>Eb RADIATION INTENSITY MEASUREMENT</li> <li>Es ACTINIC DOSE MEASUREMENT</li> </ul>	PN-EN 62471:2010 & IEC/TR 62778:2104

15	Luminaires	<ul> <li>DEFINING THE LEVEL OF PROTECTION AGAINST EXTERNAL MECHANICAL IMPACT PROVIDED BY ELECTRICAL APPLIANCES HOUSINGS (CODE IK)</li> </ul>	PN-EN 62262.2003 REPLACES PN-EN 50102:2001
16	Luminaires	<ul> <li>DEFINING THE LEVEL OF PROTECTION PROVIDED BY ELECTRICAL APPLIANCES HOUSINGS (CODE IP), (IP2X-IP6X, IPX3-IPX7)</li> </ul>	PN-EN 60529:2003+AC:2017-12
17.	Devices for lamps – general requirements	<ul> <li>CLASSIFICATION</li> <li>MARKING</li> <li>CLAMPS</li> <li>PROTECTIVE EARTHING</li> <li>PROTECTION AGAINST INCIDENTAL TOUCH OF ACTIVE PARTS</li> <li>RESISTANCE TO MOISTURE AND INSULATION</li> <li>ELECTRIC STRENGTH</li> <li>FAULT CONDITIONS</li> <li>STRUCTURE</li> <li>CLEARANCES AND CREEPAGE DISTANCES</li> <li>SCREWS, POWER LEADING PARTS AND CONNECTIONS</li> <li>RESISTANCE TO HEAT, FIRE AND CREEPING CURRENT</li> <li>RESISTANCE TO CORROSION</li> <li>OUTPUT VOLTAGE WITHOUT LOAD</li> </ul>	PN-EN 61347-1:2015- 09
18.	Devices for lamps – LED drivers	<ul> <li>CLASSIFICATION</li> <li>MARKING</li> <li>CLAMPS</li> <li>PROTECTIVE EARTHING</li> <li>PROTECTION AGAINST INCIDENTAL TOUCH OF ACTIVE PARTS</li> <li>RESISTANCE TO MOISTURE AND INSULATION</li> <li>ELECTRIC STRENGTH</li> <li>FAULT CONDITIONS</li> <li>STRUCTURE</li> <li>CLEARANCES AND CREEPAGE DISTANCES</li> <li>SCREWS, POWER LEADING PARTS AND CONNECTIONS</li> <li>RESISTANCE TO HEAT, FIRE AND CREEPING CURRENT</li> <li>RESISTANCE TO CORROSION</li> </ul>	PN-EN 61347-2- 13:2015- 04

19.	Devices for lamps – Emergency modules	<ul> <li>CLASSIFICATION</li> <li>MARKING</li> <li>CLAMPS</li> <li>PROTECTIVE EARTHING</li> <li>PROTECTION AGAINST INCIDENTAL TOUCH OF ACTIVE PARTS</li> <li>RESISTANCE TO MOISTURE AND INSULATION</li> <li>ELECTRIC STRENGTH</li> <li>FAULT CONDITIONS</li> <li>STARTING CONDITIONS</li> <li>LAMP CURRENT</li> <li>INPUT CURRENT</li> <li>EBLF FUNCTIONAL SAFETY</li> <li>SWITCHING FUNCTION</li> <li>RELOADING DEVICE</li> <li>PROTECTION AGAINST EXCESSIVE DISCHARGING</li> <li>INDICATOR</li> <li>REGULAR THERMAL TESTS AND DURABILITY TESTS</li> <li>STRUCTURE</li> <li>POLARITY REVERSAL</li> <li>CLEARANCES AND CREEPAGE DISTANCES</li> <li>SCREWS, POWER LEADING PARTS AND CONNECTIONS</li> <li>RESISTANCE TO HEAT, FIRE AND CREEPING CURRENT</li> <li>RESISTANCE TO CORROSION</li> <li>ABNORMAL LAMP CONDITIONS</li> <li>PROTECTION OF ASSOCIATED SUBASSEMBLIES</li> </ul>	PN-EN 61347-2-7:2012
20.	LED modules for general lighting purposes – safety requirements	<ul> <li>CLASSIFICATION</li> <li>MARKING</li> <li>CLAMPS</li> <li>PROTECTIVE EARTHING</li> <li>PROTECTION AGAINST INCIDENTAL TOUCH OF ACTIVE PARTS</li> <li>RESISTANCE TO MOISTURE AND INSULATION</li> <li>ELECTRIC STRENGTH</li> <li>FAULT CONDITIONS</li> <li>STRUCTURE</li> <li>CLEARANCES AND CREEPAGE DISTANCES</li> <li>SCREWS, POWER LEADING PARTS AND CONNECTIONS</li> <li>RESISTANCE TO HEAT, FIRE AND CREEPING CURRENT</li> <li>RESISTANCE TO CORROSION</li> </ul>	PN-EN 62031:2010+A1:2013-06

/round stamp / TUV SUD Polska Sp. z o.o. TUV SUD Industrie Service /signature illegible/ P. Kukuła Head of Industrie Service Department

RENAR

SR EN ISO/CEI 17021-1:2015 CERTIFICAT DE ACREDITARE SM 004



### CERTIFICAT

SRAC certifică organizația/ certifies the organisation

# Î.M. ORANGE MOLDOVA S.A.

Sediul central: Str. Alba Iulia nr. 75, Chişinău, Republica Moldova

cu sediile de lucru și activitățile prezentate în anexă with the productive units and activities as listed in the annex

că are implementat și menține un sistem de managementul calității conform condițiilor din standardul which has implemented and maintains a quality management system which fulfils the requirements of the standard

### SR EN ISO 9001:2008 (ISO 9001:2008)



Valabilitatea certificatului este condiționată de efectuarea supravegherilor anuale până la data de:



nr. certificat/ certificate registration no. **8378** data inițială a certificării/ initial certification date **31 martie 2011** data recertificării/ reissuing date **04 aprilie 2017** data ultimei actualizări/ last update valabil până la/ valid until **15 septembrie 2018** (cu condiția vizării anuale) SRAC CERT SRL, Str. Vasile Pârvan Nr. 14, Sector 1, București www.srac.ro



# Î.M. ORANGE MOLDOVA S.A.

Sediul central: Str. Alba Iulia nr. 75, Chişinău, Republica Moldova pentru următoarele activități/

#### for the following fields of activities

Furnizarea rețelelor și serviciilor de comunicații electronice, comercializarea echipamentelor terminale pentru comunicații electronice și prestarea serviciilor de asistență operațională

Provision of electronic communications networks and services, sale of terminal equipment for electronic communications and provision of operational support services

MAGAZINE ORANGE DIN CHIŞINĂU

Magazin-Chişinău-sect. Buiucani, Str. Alba Iulia nr. 75, Chişinău, Republica Moldova; Magazin-Chişinău-sect. Centru, B-dul. Ştefan cel Mare şi Sfânt 134, Chişinău, Republica Moldova; Magazin-Chişinău-sect. Centru, B-dul. Ştefan cel Mare şi Sfânt 130 Studio, Chişinău, Republica Moldova; Magazin-Chişinău-sect. Centru, Str. Arborilor 21 (Mall Dova et. 3), Chişinău, Republica Moldova; Magazin-Chişinău-sect. Botanica, B-dul. Dacia 27, Chişinău, Republica Moldova; Magazin-Chişinău-sect. Ciocana, Str. Mircea cel Bătrîn, 2/1, Chişinău, Republica Moldova; Magazin-Chişinău-sect. Rîşcani 1, Str. Kiev, 16/1, Chişinău, Republica Moldova; Magazin-Chişinău-sect. Rîşcani 2,

B-dul. Moscova, 9/1, Chişinău, Republica Moldova

MAGAZINE ORANGE DIN BĂLŢI ȘI CAHUL

Magazin-Bălți-1, Str. Ștefan cel Mare 76/A, Bălți, Republica Moldova; Magazin-Bălți-2, Str. Vasile Alexandri 4, Bălți, Republica Moldova; Magazin-Bălți-3, Str. Ștefan cel Mare 41, Bălți, Republica Moldova; Magazin-Cahul 1, Str. Republicii 20/14, Cahul, Republica Moldova; Magazin-Cahul 2, Str. Ștefan cel Mare 17, Cahul, Republica Moldova

MAGAZINE ORANGE CENTRELE RAIONALE

Magazin- Edinet, Str. Independenței 106, Edinet, Republica Moldova; Magazin - Căuşeni, Str. Mihai Eminescu, 10, Căuşeni, Republica Moldova; Magazin - Briceni, Str.Independenței, 16 A, Briceni, Republica Moldova; Magazin - Orhei, Str. Vasile Lupu, 29/2, Orhei, Republica Moldova; Magazin - Comrat, Str. Lenin, 192, Comrat, Republica Moldova; Magazin - Ungheni, Str. Națională 18 A, Ungheni, Republica Moldova;

Magazin - Rezina, Str. 27 August 48/2, Rezina, Republica Moldova; Magazin - Hinceşti, Str. Çhişinăului 7, Hinceşti, Republica Moldova; Magazin - Floreşti, Str. 31 August, 46, Floreşti, Republica Moldova; Magazin - Glodeni, Str. Suveranității 9/3, Glodeni, Republica Moldova; Magazin - Soroca 1, Str. Ştefan cel Mare, 24, Soroca, Republica Moldova; Magazin - Soroca 2, Str. Grigore Vieru 9A, Soroca, Republica Moldova; Magazin - Drochia, Str. 31 August 33, Drochia, Republica Moldova; Magazin - Făleşti, Str. Eminescu 1C, Făleşti, Republica Moldova; Magazin - Străşeni, Str. Ştefan cel Mare 74A, Străşeni, Republica Moldova

#### pentru următoarele activități/

#### for the following fields of activities

Furnizarea rețelelor și serviciilor de comunicații electronice, comercializarea echipamentelor terminale pentru comunicații electronice

Provision of electronic communications networks and services, sale of terminal equipment for electronic communications

nr. certificat/ certificate registration no. 8378 Anexă eliberată la/ Annex issued on 04 aprilie 2017 Această anexă este valabilă numai cu certificatul menționat/ This annex is valid only in connection with the mentioned certificate Pagina/Page 1/2



# Î.M.ORANGE MOLDOVA S.A.

Sediul central: Str. Alba Iulia nr. 75, Chişinău, Republica Moldova

CALL CENTER Call Centru 2 - Str. Calea Ieșilor nr.10, Chișinău, Republica Moldova

### ORANGE SYSTEMS S.A.

Sediul central: Str. Alba Iulia nr. 75, Chişinău, Republica Moldova

pentru următoarele activități/ for the following fields of activities

Telecomunicații. Prelucrarea datelor. Activități de realizare a softului la comandă (software orientat client). Activități de consultanță în tehnologia informației

Telecomunications. Data processing. Custom software developement activities (client oriented software). IT consultancy activities

nr. certificat/ certificate registration no. 8378 Anexă eliberată la/ Annex issued on 04 aprilie 2017 Această anexă este valabilă numai cu certificatul menționat/ This annex is valid only in connection with the mentioned certificate Pagina/Page 2/2

RENAR

SR EN ISO/CEI 17021-1:2015 CERTIFICAT DE ACREDITARE SM 004



### CERTIFICAT

srac certifică organizația/ certifies the organisation

# Î.M. ORANGE MOLDOVA S.A.

Sediul central: Str. Alba Iulia nr. 75, Chişinău, Republica Moldova

*cu sediile de lucru și activitățile prezentate în anexă* с производственными объектами и видами деятельности, перечисленными в приложении

că are implementat și menține un sistem de managementul calității conform condițiilor din standardul которое, внедрило и применяет систему менеджмента качества согласно требованиям стандарта

### SR EN ISO 9001:2008 (ISO 9001:2008)



nr. certificat/ Номер Сертификата 8378

Valabilitatea certificatului este condiționată de efectuarea supravegherilor anuale până la data de:



data inițială a certificării/ Начало эксплуатации сертификации **31 martie 2011** data recertificării/ Дата переаттестации **04 aprilie 2017** data ultimei actualizări/ последнее обновление valabil până la/ действителен до **15 septembrie 2018** (cu condiția vizării anuale) SRAC CERT SRL Str. Vasile Pârvan Nr. 14. Sector 1. București, www.srac.ro



# Î.M. ORANGE MOLDOVA S.A.

Sediul central: Str. Alba Iulia nr. 75, Chişinău, Republica Moldova

#### pentru următoarele activități/ для следующих видов деятельности

Furnizarea rețelelor și serviciilor de comunicații electronice, comercializarea echipamentelor terminale pentru comunicații electronice și prestarea serviciilor de asistență operațională

Предоставление сетей и услуг электронных коммуникаций, продажа конечного оборудования для электронных коммуникаций и оказание услуг операционной поддержки

#### MAGAZINE ORANGE DIN CHIŞINĂU

Magazin-Chişinău-sect. Buiucani, Str. Alba Iulia nr. 75, Chişinău, Republica Moldova; Magazin-Chişinău-sect. Centru, B-dul. Ştefan cel Mare şi Sfânt 134, Chişinău, Republica Moldova; Magazin-Chişinău-sect. Centru, B-dul. Ştefan cel Mare şi Sfânt 130 Studio, Chişinău, Republica Moldova; Magazin-Chişinău-sect. Centru, Str. Arborilor 21 (Mall Dova et. 3), Chişinău, Republica Moldova; Magazin-Chişinău-sect. Botanica, B-dul. Dacia 27, Chişinău, Republica Moldova; Magazin-Chişinău-sect. Botanica, B-dul. Dacia 27, Chişinău, Republica Moldova; Magazin-Chişinău-sect. Rîşcani 1, Str. Kiev, 16/1, Chişinău, Republica Moldova; Magazin-Chişinău-sect. Rîşcani 2,

B-dul. Moscova, 9/1, Chişinău, Republica Moldova

MAGAZINE ORANGE DIN BĂLŢI ȘI CAHUL

Magazin-Bălţi-1, Str. Ştefan cel Mare 76/A, Bălţi, Republica Moldova; Magazin-Bălţi-2, Str. Vasile Alexandri 4, Bălţi, Republica Moldova; Magazin-Bălţi-3, Str. Ştefan cel Mare 41, Bălţi, Republica Moldova; Magazin-Cahul 1, Str. Republicii 20/14, Cahul, Republica Moldova; Magazin-Cahul 2, Str. Ştefan cel Mare 17, Cahul,

Republica Moldova

MAGAZINE ORANGE CENTRELE RAIONALE

Magazin- Edinet, Str. Independenței 106, Edinet, Republica Moldova; Magazin - Căuşeni, Str. Mihai Eminescu, 10, Căuşeni, Republica Moldova; Magazin - Briceni, Str.Independenței, 16 A, Briceni, Republica Moldova; Magazin - Orhei, Str. Vasile Lupu, 29/2, Orhei, Republica Moldova; Magazin - Comrat, Str. Lenin, 192, Comrat, Republica Moldova; Magazin - Ungheni, Str. Națională 18 A, Ungheni, Republica Moldova;

Magazin - Rezina, Str. 27 August 48/2, Rezina, Republica Moldova; Magazin - Hinceşti, Str. Chişinăului 7, Hinceşti, Republica Moldova; Magazin - Floreşti, Str. 31 August, 46, Floreşti, Republica Moldova; Magazin - Glodeni, Str. Suveranității 9/3, Glodeni, Republica Moldova; Magazin - Soroca 1, Str. Ştefan cel Mare, 24, Soroca, Republica Moldova; Magazin - Soroca 2, Str. Grigore Vieru 9A, Soroca, Republica Moldova; Magazin - Drochia, Str. 31 August 33, Drochia, Republica Moldova; Magazin - Făleşti, Str. Eminescu 1C, Făleşti, Republica Moldova; Magazin - Străşeni, Str. Ştefan cel Mare 74A, Străşeni, Republica Moldova

#### pentru următoarele activități/

#### для следующих видов деятельности

Furnizarea rețelelor și serviciilor de comunicații electronice, comercializarea echipamentelor terminale pentru comunicații electronice

Предоставление сетей и услуг электронных коммуникаций, продажа конечного оборудования для электронных коммуникаций

nr. certificat/ Номер Сертификата 8378 Anexă eliberată la/ Приложение выдается на 04 aprilie 2017 Această anexă este valabilă numai cu certificatul menționat/Данное приложение действительно только вместе с вышеупомянутым сертификатом Pagina/Страница 1/2



# Î.M. ORANGE MOLDOVA S.A.

Sediul central: Str. Alba Iulia nr. 75, Chişinău, Republica Moldova

CALL CENTER Call Centru 2 - Str. Calea Ieșilor nr.10, Chișinău, Republica Moldova

### **ORANGE SYSTEMS S.A.**

Sediul central: Str. Alba Iulia nr. 75, Chişinău, Republica Moldova

pentru următoarele activități/ для следующих видов деятельности

Telecomunicații. Prelucrarea datelor. Activități de realizare a softului la comandă (software orientat client). Activități de consultanță în tehnologia informației

Телекоммуникации. Обработка данных. Деятельность по разработке программного обеспечения на заказ (клиент ориентированного программного обеспечения). Консультационные услуги в области ИТ

nr. certificat/ Номер Сертификата 8378 Anexă eliberată la/ Приложение выдается на 04 aprilie 2017 Această anexă este valabilă numai cu certificatul menționat/Данное приложение действительно только вместе с вышеупомянутым сертификатом Pagina/Страница 2/2

R



THE INTERNATIONAL CERTIFICATION NETWORK

# CERTIFICATE

SRAC as an IQNet Partner hereby states that the organization:

### Î.M. ORANGE MOLDOVA S.A.

Head Office: Str. Alba Iulia nr. 75, Chişinău, Republica Moldova

with the productive units and activities as listed in the annex

has implemented and maintains a

### Quality Management System

which fulfils the requirements of the following standard:

# ISO 9001 : 2008

Issued on: 2017 - 04 - 04 First issued on: 2011 - 03 - 31 for the validity date, please refer to the original certificate\* issued by **SRAC** 

Registration Number: RO - 8378



feee where

Michael Drechsel President of IQNet

Mut

ing. Mihaela Cristea SRAC General Manager



IQNet Partners\*\*:

AENOR Spain AFNOR Certification France Vincotte Belgium APCER Portugal CCC Cyprus CISQ Italy CQC China CQM China CQS Czech Republic Cro Cert Croatia DQS Holding GmbH Germany FCAV Brazil FONDONORMA Venezuela ICONTEC Colombia IMNC Mexico Inspecta Certification Finland INTECO Costa Rica IRAM Argentina JQA Japan KFQ Korea MIRTEC Greece MSZT Hungary Nemko AS Norway NSAI Ireland PCBC Poland Quality Austria Austria RR Russia SIGE México SII Israel SIQ Slovenia SIRIM QAS International Malaysia SQS Switzerland SRAC Romania TEST St Petersburg Russia TSE Turkey YUQS Serbia IQNet is represented in the USA by: AFNOR Certification, CISQ, DQS Holding GmbH and NSAI Inc.

\* This attestation is directly linked to the IQNet Partner's original certificate and shall not be used as a stand-alone document \*\* The list of IQNet partners is valid at the time of issue of this certificate. Updated information is available under www.iqnet-certification.com



#### THE INTERNATIONAL CERTIFICATION NETWORK

### Annex to Certificate Number : RO - 8378

Page 1 of 2

### **Î.M. ORANGE MOLDOVA S.A.**

Head Office: Str. Alba Iulia nr. 75, Chişinău, Republica Moldova

#### for the following field of activities

Provision of electronic communications networks and services, sale of terminal equipment for electronic communications and provision of operational support services

#### Productive Unit: ORANGE SHOPS IN CHIŞINĂU:

Magazin-Chişinău-sect. Buiucani, Str. Alba Iulia nr. 75, Chişinău, Republica Moldova;
Magazin-Chişinău-sect. Centru, B-dul. Ştefan cel Mare şi Sfânt 134, Chişinău, Republica
Moldova; Magazin-Chişinău-sect. Centru, B-dul. Ştefan cel Mare şi Sfânt 130 Studio, Chişinău,
Republica Moldova; Magazin-Chişinău-sect.Centru, Str. Arborilor 21 (Mall Dova et. 3),
Chişinău, Republica Moldova; Magazin-Chişinău-sect. Botanica, B-dul. Dacia 27, Chişinău,
Republica Moldova; Magazin-Chişinău-sect. Ciocana, Str. Mircea cel Bătrîn, 2/1, Chişinău,
Republica Moldova; Magazin-Chişinău-sect. Rîşcani 1, Str. Kiev, 16/1, Chişinău, Republica

#### ORANGE SHOPS IN BĂLȚI AND CAHUL

Magazin-Bălți-1, Str. Ștefan cel Mare 76/A, Bălți, Republica Moldova; Magazin-Bălți-2, Str. Vasile Alexandri 4, Bălți, Republica Moldova; Magazin-Bălți-3, Str. Ștefan cel Mare 41, Bălți, Republica Moldova; Magazin-Cahul 1, Str. Republicii 20/14, Cahul, Republica Moldova; Magazin-Cahul 2, Str. Ștefan cel Mare 17, Cahul, Republica Moldova

#### ORANGE SHOPS IN DISTRICT CENTERS

Edinet Store, Str. Independenței 106, Edinet, Republica Moldova; Căuşeni Store, Str. Mihai
Eminescu, 10, Căuşeni, Republica Moldova; Briceni Store, Str. Independenței, 16 A, Briceni,
Republica Moldova; Orhei Store, Str. Vasile Lupu, 29/2, Orhei, Republica Moldova; Comrat
Store, Str. Lenin, 192, Comrat, Republica Moldova; Ungheni Store, Str. Națională 18 A,
Ungheni, Republica Moldova; Rezina Store, Str. 27 August 48/2, Rezina, Republica Moldova;
Hinceşti Store, Str. Chişinăului 7, Hinceşti, Republica Moldova; Floreşti Store, Str. 31 August,
46, Floreşti, Republica Moldova; Glodeni Store, Str. Suveranității 9/3, Glodeni, Republica
Moldova; Soroca 1 Store, Str. Ştefan cel Mare, 24, Soroca, Republica Moldova; Soroca 2 Store,
Str. Grigore Vieru 9A, Soroca, Republica Moldova; Drochia Store, Str. 31 August 33, Drochia,
Republica Moldova; Făleşti Store, Str. Eminescu 1C, Făleşti, Republica Moldova; Străşeni
Store, Str. Ştefan cel Mare 74A, Străşeni, Republica Moldova

#### for the following field of activities

Provision of electronic communications networks and services, sale of terminal equipment for electronic communications

This annex issued on 2017-04-04 is only valid in connection with the above-mentioned IQNet Certificate



THE INTERNATIONAL CERTIFICATION NETWORK

### Annex to Certificate Number : RO - 8378

Page 2 of 2

### **Î.M. ORANGE MOLDOVA S.A.**

Head Office: Str. Alba Iulia nr. 75, Chişinău, Republica Moldova

Call Centru 2 - Str. Calea Ieşilor, nr.10, Chişinău, Republica Moldova

### **ORANGE SYSTEMS S.A.**

Head Office: Str. Alba Iulia nr. 75, Chişinău, Republica Moldova

for the following field of activities

Telecomunications. Data processing. Custom software development activities (client oriented software). IT consultancy activities

This annex issued on 2017-04-04 is only valid in connection with the above-mentioned IQNet Certificate



SR EN ISO/CEI 17021-1:2015 CERTIFICAT DE ACREDITARE SM 004



### CERTIFICAT

SRAC certifică organizația/ certifies the organisation

### ORANGE MOLDOVA S.A.

Sediul central: Str. Alba Iulia nr. 75, Chişinău, Republica Moldova

cu sediile de lucru și activitățile prezentate în anexă with the productive units and activities as listed in the annex

că are implementat și menține un sistem de management de mediu conform condițiilor din standardul which has implemented and maintains an **environmental management system** which fulfils the requirements of the standard

### SR EN ISO 14001:2005 (ISO 14001:2004)



Valabilitatea certificatului este condiționată de efectuarea supravegherilor anuale până la data de:



nr. certificat/ certificate registration no. **3448** data inițială a certificării/ initial certification date **31 martie 2011** data recertificării/ reissuing date **04 aprilie 2017** data ultimei actualizări/ last update valabil până la/ valid until **15 septembrie 2018** (cu condiția vizării anuale) SRAC CERT SRI Str. Vasile Pârvan Nr. 14. Sector 1. București, www.srac.ro



# Î.M. ORANGE MOLDOVA S.A.

Sediul central: Str. Alba Iulia nr. 75, Chişinău, Republica Moldova

#### pentru următoarele activități/ for the following fields of activities

Furnizarea rețelelor și serviciilor de comunicații electronice, comercializarea echipamentelor terminale pentru

comunicații electronice și prestarea serviciilor de asistență operațională

Provision of electronic communications networks and services, sale of terminal equipment for electronic communications and provision of operational support services

MAGAZINE ORANGE DIN CHIŞINĂU

Magazin-Chişinău-sect. Buiucani, Str. Alba Iulia nr. 75, Chişinău, Republica Moldova; Magazin-Chişinău-sect. Centru, B-dul. Ştefan cel Mare şi Sfânt 134, Chişinău, Republica Moldova; Magazin-Chişinău-sect. Centru, B-dul. Ştefan cel Mare şi Sfânt 130 Studio, Chişinău, Republica Moldova; Magazin-Chişinău-sect. Centru, Str. Arborilor 21 (Mall Dova et. 3), Chişinău, Republica Moldova; Magazin-Chişinău-sect. Botanica, B-dul. Dacia 27, Chişinău, Republica Moldova; Magazin-Chişinău-sect. Botanica, B-dul. Dacia 27, Chişinău, Republica Moldova; Magazin-Chişinău-sect. Rîşcani 1, Str. Kiev, 16/1, Chişinău, Republica Moldova; Magazin-Chişinău-sect. Rîşcani 2,

B-dul. Moscova, 9/1, Chişinău, Republica Moldova

MAGAZINE ORANGE DIN BĂLŢI ȘI CAHUL

Magazin-Bălți-1, Str. Ștefan cel Mare 76/A, Bălți, Republica Moldova; Magazin-Bălți-2, Str. Vasile Alexandri 4, Bălți, Republica Moldova; Magazin-Bălți-3, Str. Ștefan cel Mare 41, Bălți, Republica Moldova; Magazin-Cahul 1, Str. Republicii 20/14, Cahul, Republica Moldova; Magazin-Cahul 2, Str. Ștefan cel Mare 17, Cahul, Republica Moldova

MAGAZINE ORANGE CENTRELE RAIONALE

Magazin- Edinet, Str. Independenței 106, Edinet, Republica Moldova; Magazin - Căuşeni, Str. Mihai Eminescu, 10, Căuşeni, Republica Moldova; Magazin - Briceni, Str.Independenței, 16 A, Briceni, Republica Moldova; Magazin - Orhei, Str. Vasile Lupu, 29/2, Orhei, Republica Moldova; Magazin - Comrat, Str. Lenin, 192, Comrat, Republica Moldova; Magazin - Ungheni, Str. Națională 18 A, Ungheni, Republica Moldova;

Magazin - Rezina, Str. 27 August 48/2, Rezina, Republica Moldova; Magazin - Hinceşti, Str. Çhişinăului 7, Hinceşti, Republica Moldova; Magazin - Floreşti, Str. 31 August, 46, Floreşti, Republica Moldova; Magazin - Glodeni, 'Str. Suveranității 9/3, Glodeni, Republica Moldova; Magazin - Soroca 1, Str. Ştefan cel Mare, 24, Soroca, Republica Moldova; Magazin - Soroca 2, Str. Grigore Vieru 9A, Soroca, Republica Moldova; Magazin - Drochia, Str. 31 August 33, Drochia, Republica Moldova; Magazin - Făleşti, Str. Eminescu 1C, Făleşti, Republica Moldova; Magazin - Străşeni, Str. Ştefan cel Mare 74A, Străşeni, Republica Moldova

pentru următoarele activități/

#### for the following fields of activities

Furnizarea rețelelor și serviciilor de comunicații electronice, comercializarea echipamentelor terminale pentru comunicații electronice

Provision of electronic communications networks and services, sale of terminal equipment for electronic communications

nr. certificat/ certificate registration no. 3448 Anexă eliberată la/ Annex issued on 04 aprilie 2017 Această anexă este valabilă numai cu certificatul menționat/ This annex is valid only in connection with the mentioned certificate Pagina/Page 1/2



# Î.M.ORANGE MOLDOVA S.A.

Sediul central: Str. Alba Iulia nr. 75, Chişinău, Republica Moldova

CALL CENTER Call Centru 2 - Str. Calea Ieşilor nr.10, Chişinău, Republica Moldova

### ORANGE SYSTEMS S.A.

Sediul central: Str. Alba Iulia nr. 75, Chişinău, Republica Moldova

pentru următoarele activități/ for the following fields of activities

Telecomunicații. Prelucrarea datelor. Activități de realizare a softului la comandă (software orientat client). Activități de consultanță în tehnologia informației

Telecomunications. Data processing. Custom software developement activities (client oriented software). IT consultancy activities

nr. certificat/ certificate registration no. **3448** Anexă eliberată la/ Annex issued on **04 aprilie 2017** Această anexă este valabilă numai cu certificatul menționat/ This annex is valid only in connection with the mentioned certificate Pagina/Page 2/2





SR EN ISO/CEI 17021-1:2015 CERTIFICAT DE ACREDITARE SM 004



### CERTIFICAT

SRAC certifică organizația/ certifies the organisation

### ORANGE MOLDOVA S.A.

Sediul central: Str. Alba Iulia nr. 75, Chişinău, Republica Moldova

cu sediile de lucru și activitățile prezentate în anexă с производственными объектами и видами деятельности, перечисленными в приложении

că are implementat și menține un sistem de management de mediu conform condițiilor din standardul которое, внедрило и применяет систему менеджмента охраны окружающей среды согласно требованиям стандарта

### SR EN ISO 14001:2005 (ISO 14001:2004)



nr. certificat/ Номер Сертификата 3448

Valabilitatea certificatului este condiționată de efectuarea supravegherilor anuale până la data de:



data inițială a certificării/ Начало эксплуатации сертификации **31 martie 2011** data recertificării/ Дата переаттестации **04 aprilie 2017** data ultimei actualizări/ последнее обновление valabil până la/ действителен до **15 septembrie 2018** (cu condiția vizării anuale) SRAC CERT SRI. Str. Vasile Pârvan Nr. 14. Sector 1. București, www.srac.ro



# Î.M. ORANGE MOLDOVA S.A.

Sediul central: Str. Alba Iulia nr. 75, Chişinău, Republica Moldova pentru următoarele activități/

#### для следующих видов деятельности

Furnizarea rețelelor și serviciilor de comunicații electronice, comercializarea echipamentelor terminale pentru comunicații electronice și prestarea serviciilor de asistență operațională

Предоставление сетей и услуг электронных коммуникаций, продажа конечного оборудования для электронных коммуникаций и оказание услуг операционной поддержки

#### MAGAZINE ORANGE DIN CHIŞINĂU

Magazin-Chişinău-sect. Buiucani, Str. Alba Iulia nr. 75, Chişinău, Republica Moldova; Magazin-Chişinău-sect. Centru, B-dul. Ştefan cel Mare şi Sfânt 134, Chişinău, Republica Moldova; Magazin-Chişinău-sect. Centru, B-dul. Ştefan cel Mare şi Sfânt 130 Studio, Chişinău, Republica Moldova; Magazin-Chişinău-sect. Centru, Str. Arborilor 21 (Mall Dova et. 3), Chişinău, Republica Moldova; Magazin-Chişinău-sect. Botanica, B-dul. Dacia 27, Chişinău, Republica Moldova; Magazin-Chişinău-sect. Botanica, B-dul. Dacia 27, Chişinău, Republica Moldova; Magazin-Chişinău-sect. Rîşcani 1, Str. Kiev, 16/1, Chişinău, Republica Moldova; Magazin-Chişinău-sect. Rîşcani 2,

B-dul. Moscova, 9/1, Chişinău, Republica Moldova

MAGAZINE ORANGE DIN BĂLŢI ȘI CAHUL

Magazin-Bălţi-1, Str. Ştefan cel Mare 76/A, Bălţi, Republica Moldova; Magazin-Bălţi-2, Str. Vasile Alexandri 4, Bălţi, Republica Moldova; Magazin-Bălţi-3, Str. Ştefan cel Mare 41, Bălţi, Republica Moldova; Magazin-Cahul 1, Str. Republicii 20/14, Cahul, Republica Moldova; Magazin-Cahul 2, Str. Ştefan cel Mare 17, Cahul,

Republica Moldova

MAGAZINE ORANGE CENTRELE RAIONALE

Magazin- Edinet, Str. Independenței 106, Edinet, Republica Moldova; Magazin - Căuşeni, Str. Mihai Eminescu, 10, Căuşeni, Republica Moldova; Magazin - Briceni, Str.Independenței, 16 A, Briceni, Republica Moldova; Magazin - Orhei, Str. Vasile Lupu, 29/2, Orhei, Republica Moldova; Magazin - Comrat, Str. Lenin, 192, Comrat, Republica Moldova; Magazin - Ungheni, Str. Națională 18 A, Ungheni, Republica Moldova;

 Magazin - Rezina, Str. 27 August 48/2, Rezina, Republica Moldova; Magazin - Hinceşti, Str. Çhişinăului 7, Hinceşti, Republica Moldova; Magazin - Floreşti, Str. 31 August, 46, Floreşti, Republica Moldova; Magazin - Glodeni, Str. Suveranității 9/3, Glodeni, Republica Moldova; Magazin - Soroca 1, Str. Ştefan cel Mare, 24, Soroca, Republica Moldova; Magazin - Soroca 2, Str. Grigore Vieru 9A, Soroca, Republica Moldova; Magazin - Drochia, Str. 31 August 33, Drochia, Republica Moldova; Magazin - Făleşti, Str. Eminescu 1C, Făleşti, Republica Moldova; Magazin - Străşeni, Str. Ştefan cel Mare 74A, Străşeni, Republica Moldova

### pentru următoarele activități/

#### для следующих видов деятельности

Furnizarea rețelelor și serviciilor de comunicații electronice, comercializarea echipamentelor terminale pentru comunicații electronice

Предоставление сетей и услуг электронных коммуникаций, продажа конечного оборудования для электронных коммуникаций

nr. certificat/ Номер Сертификата **3448** Anexă eliberată la/ Приложение выдается на **04 aprilie 2017** Această anexă este valabilă numai cu certificatul menționat/Данное приложение действительно только вместе с вышеупомянутым сертификатом Pagina/Страница 1/2



# Î.M. ORANGE MOLDOVA S.A.

Sediul central: Str. Alba Iulia nr. 75, Chişinău, Republica Moldova

CALL CENTER Call Centru 2 - Str. Calea Ieșilor nr.10, Chișinău, Republica Moldova

### **ORANGE SYSTEMS S.A.**

Sediul central: Str. Alba Iulia nr. 75, Chişinău, Republica Moldova

pentru următoarele activități/ для следующих видов деятельности

Telecomunicații. Prelucrarea datelor. Activități de realizare a softului la comandă (software orientat client). Activități de consultanță în tehnologia informației

Телекоммуникации. Обработка данных. Деятельность по разработке программного обеспечения на заказ (клиент ориентированного программного обеспечения). Консультационные услуги в области ИТ

nr. certificat/ Номер Сертификата **3448** Anexă eliberată la/ Приложение выдается на **04 aprilie 2017** Această anexă este valabilă numai cu certificatul menționat/Данное приложение действительно только вместе с вышеупомянутым сертификатом Радina/Страница 2/2



THE INTERNATIONAL CERTIFICATION NETWORK

# CERTIFICATE

SRAC as an IQNet Partner hereby states that the organization:

### **ORANGE MOLDOVA S.A.**

Central Office: Str. Alba Iulia nr. 75, Chişinău, Republica Moldova

with the productive units and activities as listed in the annex

has implemented and maintains a

### Environmental Management System

which fulfils the requirements of the following standard:

# ISO 14001 : 2004

Issued on: 2017 - 04 - 04 First issued on: 2011 - 03 - 31 for the validity date, please refer to the original certificate\* issued by **SRAC** 

Registration Number: RO - 3448



speciel

Michael Drechsel President of IQNet

11/11

ing. Mihaela Cristea SRAC General Manager



IQNet Partners\*\*:

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\* This attestation is directly linked to the IQNet Partner's original certificate and shall not be used as a stand-alone document \*\* The list of IQNet partners is valid at the time of issue of this certificate. Updated information is available under www.iqnet-certification.com



### Annex to Certificate Number : RO - 3448

Page 1 of 2

### **Î.M. ORANGE MOLDOVA S.A.**

Head Office: Str. Alba Iulia nr. 75, Chişinău, Republica Moldova

for the following field of activities

Provision of electronic communications networks and services, sale of terminal equipment for electronic communications and provision of operational support services

#### Productive Unit: ORANGE SHOPS IN CHIŞINĂU:

Magazin-Chişinău-sect. Buiucani, Str. Alba Iulia nr. 75, Chişinău, Republica Moldova;
Magazin-Chişinău-sect. Centru, B-dul. Ştefan cel Mare şi Sfânt 134, Chişinău, Republica
Moldova; Magazin-Chişinău-sect. Centru, B-dul. Ştefan cel Mare şi Sfânt 130 Studio, Chişinău,
Republica Moldova; Magazin-Chişinău-sect.Centru, Str. Arborilor 21 (Mall Dova et. 3),
Chişinău, Republica Moldova; Magazin-Chişinău-sect. Botanica, B-dul. Dacia 27, Chişinău,
Republica Moldova; Magazin-Chişinău-sect. Ciocana, Str. Mircea cel Bătrîn, 2/1, Chişinău,
Republica Moldova; Magazin-Chişinău-sect. Rîşcani 1, Str. Kiev, 16/1, Chişinău, Republica

#### ORANGE SHOPS IN BĂLȚI AND CAHUL

Magazin-Bălți-1, Str. Ştefan cel Mare 76/A, Bălți, Republica Moldova; Magazin-Bălți-2, Str. Vasile Alexandri 4, Bălți, Republica Moldova; Magazin-Bălți-3, Str. Ştefan cel Mare 41, Bălți, Republica Moldova; Magazin-Cahul 1, Str. Republicii 20/14, Cahul, Republica Moldova; Magazin-Cahul 2, Str. Ştefan cel Mare 17, Cahul, Republica Moldova

#### ORANGE SHOPS IN DISTRICT CENTERS

Edinet Store, Str. Independenței 106, Edinet, Republica Moldova; Căuşeni Store, Str. Mihai
Eminescu, 10, Căuşeni, Republica Moldova; Briceni Store, Str. Independenței, 16 A, Briceni,
Republica Moldova; Orhei Store, Str. Vasile Lupu, 29/2, Orhei, Republica Moldova; Comrat
Store, Str. Lenin, 192, Comrat, Republica Moldova; Ungheni Store, Str. Națională 18 A,
Ungheni, Republica Moldova; Rezina Store, Str. 27 August 48/2, Rezina, Republica Moldova;
Hinceşti Store, Str. Chişinăului 7, Hinceşti, Republica Moldova; Floreşti Store, Str. 31 August,
46, Floreşti, Republica Moldova; Glodeni Store, Str. Suveranității 9/3, Glodeni, Republica
Moldova; Soroca 1 Store, Str. Ştefan cel Mare, 24, Soroca, Republica Moldova; Soroca 2 Store,
Str. Grigore Vieru 9A, Soroca, Republica Moldova; Drochia Store, Str. 31 August 33, Drochia,
Republica Moldova; Făleşti Store, Str. Eminescu 1C, Făleşti, Republica Moldova; Străşeni
Store, Str. Ştefan cel Mare 74A, Străşeni, Republica Moldova

### for the following field of activities

Provision of electronic communications networks and services, sale of terminal equipment for electronic communications



### Annex to Certificate Number : RO - 3448

Page 2 of 2

### **Î.M. ORANGE MOLDOVA S.A.**

Head Office: Str. Alba Iulia nr. 75, Chişinău, Republica Moldova

Call Centru 2 - Str. Calea Ieşilor, nr.10, Chişinău, Republica Moldova

### **ORANGE SYSTEMS S.A.**

Head Office: Str. Alba Iulia nr. 75, Chişinău, Republica Moldova

for the following field of activities

Telecomunications. Data processing. Custom software development activities (client oriented software). IT consultancy activities

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SR EN ISO/CEI 17021-1-2015 CERTIFICAT DE ACREDITARE SM 004



#### С E R

SRAC certifică organizația/ certifies the organisation

### ORANGE MOLDOVA S.A.

Sediul central: Str. Alba Iulia nr. 75, Chişinău, Republica Moldova

cu sediile de lucru și activitățile prezentate în anexă with the productive units and activities as listed in the annex

versiunea declarației de aplicabilitate/ version of the statement of applicability: 5.0

că are implementat și menține un sistem de management al securității informațiilor information security management system conform conditiilor din standardul

which has implemented and maintains a which fulfils the requirements of the standard

# SR ISO/CEI 27001:2013 (ISO/IEC 27001:2013)



Valabilitatea certificatului este condiționată de efectuarea supravegherilor anuale până la data de:

04-04-2018 2019

nr. certificat/ certificate registration no. 72 data inițială a certificării/ initial certification date 31 martie 2011 data recertificării/ reissuing date 04 aprilie 2017 valabil până la/ valid until 03 aprilie 2020 (cu condiția vizării anuale) SRAC CERT SRL, Str. Vasile Pârvan Nr. 14, Sector 1, București www.srac.ro



# Î.M. ORANGE MOLDOVA S.A.

Sediul central: Str. Alba Iulia nr. 75, Chişinău, Republica Moldova

#### pentru următoarele activități/ for the following fields of activities

Furnizarea rețelelor și serviciilor de comunicații electronice, comercializarea echipamentelor terminale pentru comunicații electronice și prestarea serviciilor de asistență operațională

Provision of electronic communications networks and services, sale of terminal equipment for electronic communications and provision of operational support services

MAGAZINE ORANGE DIN CHIŞINĂU

Magazin-Chişinău-sect. Buiucani, Str. Alba Iulia nr. 75, Chişinău, Republica Moldova; Magazin-Chişinău-sect. Centru, B-dul. Ştefan cel Mare şi Sfânt 134, Chişinău, Republica Moldova; Magazin-Chişinău-sect. Centru, B-dul. Ştefan cel Mare şi Sfânt 130 Studio, Chişinău, Republica Moldova; Magazin-Chişinău-sect. Centru, Str. Arborilor 21 (Mall Dova et. 3), Chişinău, Republica Moldova; Magazin-Chişinău-sect. Botanica, B-dul. Dacia 27, Chişinău, Republica Moldova; Magazin-Chişinăusect. Ciocana, Str. Mircea cel Bătrîn, 2/1, Chişinău, Republica Moldova; Magazin-Chişinău-sect. Rîşcani 1, Str. Kiev, 16/1, Chişinău, Republica Moldova; Magazin-Chişinău-sect. Rîşcani 2,

B-dul. Moscova, 9/1, Chişinău, Republica Moldova

MAGAZINE ORANGE DIN BĂLŢI ȘI CAHUL

Magazin-Bălți-1, Str. Ștefan cel Mare 76/A, Bălți, Republica Moldova; Magazin-Bălți-2, Str. Vasile Alexandri 4, Bălți, Republica Moldova; Magazin-Bălți-3, Str. Ștefan cel Mare 41, Bălți, Republica Moldova; Magazin-Cahul 1, Str. Republicii 20/14, Cahul, Republica Moldova; Magazin-Cahul 2, Str. Ștefan cel Mare 17, Cahul, Republica Moldova

MAGAZINE ORANGE CENTRELE RAIONALE

Magazin- Edinet, Str. Independenței 106, Edinet, Republica Moldova; Magazin - Căuşeni, Str. Mihai Eminescu, 10, Căuşeni, Republica Moldova; Magazin - Briceni, Str.Independenței, 16 A, Briceni, Republica Moldova; Magazin - Orhei, Str. Vasile Lupu, 29/2, Orhei, Republica Moldova; Magazin - Comrat, Str. Lenin, 192, Comrat, Republica Moldova; Magazin - Ungheni, Str. Națională 18 A, Ungheni, Republica Moldova;

 Magazin - Rezina, Str. 27 August 48/2, Rezina, Republica Moldova; Magazin - Hinceşti, Str. Çhişinăului 7, Hinceşti, Republica Moldova; Magazin - Floreşti, Str. 31 August, 46, Floreşti, Republica Moldova; Magazin - Glodeni, Str. Suveranității 9/3, Glodeni, Republica Moldova; Magazin - Soroca 1, Str. Ştefan cel Mare, 24, Soroca, Republica Moldova; Magazin - Soroca 2, Str. Grigore Vieru 9A, Soroca, Republica Moldova; Magazin - Drochia, Str. 31 August 33, Drochia, Republica Moldova; Magazin - Făleşti, Str. Eminescu 1C, Făleşti, Republica Moldova; Magazin - Străşeni, Str. Ştefan cel Mare 74A, Străşeni, Republica Moldova

### pentru următoarele activități/

#### for the following fields of activities

Furnizarea rețelelor și serviciilor de comunicații electronice, comercializarea echipamentelor terminale pentru comunicații electronice

Provision of electronic communications networks and services, sale of terminal equipment for electronic communications

Anexă eliberată la/ Annex issued on **04 aprilie 2017** Această anexă este valabilă numai cu certificatul menționat/ This annex is valid only in connection with the mentioned certificate Pagina/Page 1/2



# Î.M.ORANGE MOLDOVA S.A.

Sediul central: Str. Alba Iulia nr. 75, Chişinău, Republica Moldova

CALL CENTER Call Centru 2 - Str. Calea Ieşilor nr.10, Chişinău, Republica Moldova

### **ORANGE SYSTEMS S.A.**

Sediul central: Str. Alba Iulia nr. 75, Chişinău, Republica Moldova

#### pentru următoarele activități/ for the following fields of activities

Telecomunicații. Prelucrarea datelor. Activități de realizare a softului la comandă (software orientat client). Activități de consultanță în tehnologia informației

Telecomunications. Data processing. Custom software developement activities (client oriented software). IT consultancy activities

nr. certificat/ certificate registration no. **72** Anexă eliberată la/ Annex issued on **04 aprilie 2017** Această anexă este valabilă numai cu certificatul menționat/ This annex is valid only in connection with the mentioned certificate Pagina/Page 2/2

SR FN ISO/CEI 17021-1/2015 CERTIFICAT DE ACREDITARE SM 004



#### = R C

SRAC certifică organizația/ certifies the organisation

### ORANGE MOLDOVA S.A.

Sediul central: Str. Alba Iulia nr. 75, Chișinău, Republica Moldova

cu sediile de lucru și activitățile prezentate în anexă с производственными объектами и видами деятельности, перечисленными в приложении

versiunea declarației de aplicabilitate/ версия Декларации Внедрения: 5.0

că are implementat și menține un sistem de management al securității informațiilor систему менеджмента conform condițiilor din standardul

которое, внедрило и применяет информационной безопасности согласно требованиям стандарта

### SR ISO/CEI 27001:2013 (ISO/IEC 27001:2013)



Valabilitatea certificatului este conditionată de efectuarea supravegherilor anuale până la data de:



nr. certificat/ Номер Сертификата 72 data inițială a certificării/ Начало эксплуатации сертификации 31 martie 2011 data recertificării/ Дата переаттестации 04 aprilie 2017 data ultimei actualizări/ последнее обновление valabil până la/ действителен до 03 aprilie 2020 (cu condiția vizării anuale) SRAC CERT SRL Str. Vasile Pârvan Nr. 14. Sector 1. Bucuresti, www.srac.rc



# Î.M. ORANGE MOLDOVA S.A.

Sediul central: Str. Alba Iulia nr. 75, Chişinău, Republica Moldova

pentru următoarele activități/ для следующих видов деятельности

Furnizarea rețelelor și serviciilor de comunicații electronice, comercializarea echipamentelor terminale pentru comunicații electronice și prestarea serviciilor de asistență operațională

Предоставление сетей и услуг электронных коммуникаций, продажа конечного оборудования для электронных коммуникаций и оказание услуг операционной поддержки

MAGAZINE ORANGE DIN CHIŞINĂU

Magazin-Chişinău-sect. Buiucani, Str. Alba Iulia nr. 75, Chişinău, Republica Moldova; Magazin-Chişinău-sect. Centru, B-dul. Ştefan cel Mare şi Sfânt 134, Chişinău, Republica Moldova; Magazin-Chişinău-sect. Centru, B-dul. Ştefan cel Mare şi Sfânt 130 Studio, Chişinău, Republica Moldova; Magazin-Chişinău-sect. Centru, Str. Arborilor 21 (Mall Dova et. 3), Chişinău, Republica Moldova; Magazin-Chişinău-sect. Botanica, B-dul. Dacia 27, Chişinău, Republica Moldova; Magazin-Chişinău-sect. Botanica, B-dul. Dacia 27, Chişinău, Republica Moldova; Magazin-Chişinău-sect. Rîşcani 1, Str. Kiev, 16/1, Chişinău, Republica Moldova; Magazin-Chişinău-sect. Rîşcani 2,

B-dul. Moscova, 9/1, Chişinău, Republica Moldova

MAGAZINE ORANGE DIN BĂLŢI ȘI CAHUL

Magazin-Bălți-1, Str. Ștefan cel Mare 76/A, Bălți, Republica Moldova; Magazin-Bălți-2, Str. Vasile Alexandri 4, Bălți, Republica Moldova; Magazin-Bălți-3, Str. Ștefan cel Mare 41, Bălți, Republica Moldova; Magazin-Cahul 1, Str. Republicii 20/14, Cahul, Republica Moldova; Magazin-Cahul 2, Str. Ștefan cel Mare 17, Cahul, Republica Moldova

MAGAZINE ORANGE CENTRELE RAIONALE

Magazin- Edinet, Str. Independenţei 106, Edinet, Republica Moldova; Magazin - Căuşeni, Str. Mihai Eminescu, 10, Căuşeni, Republica Moldova; Magazin - Briceni, Str.Independenţei, 16 A, Briceni, Republica Moldova; Magazin - Orhei, Str. Vasile Lupu, 29/2, Orhei, Republica Moldova; Magazin - Comrat, Str. Lenin, 192, Comrat, Republica Moldova; Magazin - Ungheni, Str. Naţională 18 A, Ungheni, Republica Moldova;

Magazin - Rezina, Str. 27 August 48/2, Rezina, Republica Moldova; Magazin - Hinceşti, Str. Chişinăului 7, Hinceşti, Republica Moldova; Magazin - Floreşti, Str. 31 August, 46, Floreşti, Republica Moldova; Magazin - Glodeni, Str. Suveranității 9/3, Glodeni, Republica Moldova; Magazin - Soroca 1, Str. Ştefan cel Mare, 24, Soroca, Republica Moldova; Magazin - Soroca 2, Str. Grigore Vieru 9A, Soroca, Republica Moldova; Magazin - Drochia, Str. 31 August 33, Drochia, Republica Moldova; Magazin - Făleşti, Str. Eminescu 1C, Făleşti, Republica Moldova; Magazin - Străşeni, Str. Stefan cel Mare 74A, Străşeni, Republica Moldova

pentru următoarele activități/

#### для следующих видов деятельности

Furnizarea rețelelor și serviciilor de comunicații electronice, comercializarea echipamentelor terminale pentru comunicații electronice

Предоставление сетей и услуг электронных коммуникаций, продажа конечного оборудования для электронных коммуникаций

nr. certificat/ Номер Сертификата 72 Anexă eliberată la/ Приложение выдается на 04 aprilie 2017 Această anexă este valabilă numai cu certificatul menționat/Данное приложение действительно только вместе с вышеупомянутым сертификатом Pagina/Страница 1/2


## Î.M. ORANGE MOLDOVA S.A.

Sediul central: Str. Alba Iulia nr. 75, Chişinău, Republica Moldova

CALL CENTER Call Centru 2 - Str. Calea Ieşilor nr.10, Chişinău, Republica Moldova

## ORANGE SYSTEMS S.A.

Sediul central: Str. Alba Iulia nr. 75, Chişinău, Republica Moldova

#### pentru următoarele activități/ для следующих видов деятельности

Telecomunicații. Prelucrarea datelor. Activități de realizare a softului la comandă (software orientat client). Activități de consultanță în tehnologia informației

Телекоммуникации. Обработка данных. Деятельность по разработке программного обеспечения на заказ (клиент ориентированного программного обеспечения). Консультационные услуги в области ИТ

nr. certificat/ Номер Сертификата **72** Anexă eliberată la/ Приложение выдается на **04 aprilie 2017** Această anexă este valabilă numai cu certificatul menționat/Данное приложение действительно только вместе с вышеупомянутым сертификатом Pagina/Страница 2/2

R



THE INTERNATIONAL CERTIFICATION NETWORK

# CERTIFICATE

SRAC as an IQNet Partner hereby states that the organization:

#### **ORANGE MOLDOVA S.A.**

Central Office: Str. Alba Iulia nr. 75, Chişinău, Republica Moldova

with the productive units and activities as listed in the annex

has implemented and maintains a

## ISO / IEC 27001 : 2013

#### Version of the Statement of Applicability: 5.0

Issued on: 2017 - 04 - 04 First issued on: 2011 - 03 - 31 for the validity date, please refer to the original certificate\* issued by **SRAC** 

Registration Number: RO - 0072



heeerland

Michael Drechsel President of IQNet



ing. Mihaela Cristea SRAC General Manager

IQNet Partners\*\*:

AENOR Spain AFNOR Certification France Vincotte Belgium APCER Portugal CCC Cyprus CISQ Italy CQC China CQM China CQS Czech Republic Cro Cert Croatia DQS Holding GmbH Germany FCAV Brazil FONDONORMA Venezuela ICONTEC Colombia IMNC Mexico Inspecta Certification Finland INTECO Costa Rica IRAM Argentina JQA Japan KFQ Korea MIRTEC Greece MSZT Hungary Nemko AS Norway NSAI Ireland PCBC Poland Quality Austria Austria RR Russia SIGE México SII Israel SIQ Slovenia SIRIM QAS International Malaysia SQS Switzerland SRAC Romania TEST St Petersburg Russia TSE Turkey YUQS Serbia IQNet is represented in the USA by: AFNOR Certification, CISQ, DQS Holding GmbH and NSAI Inc.

\* This attestation is directly linked to the IQNet Partner's original certificate and shall not be used as a stand-alone document \*\* The list of IQNet partners is valid at the time of issue of this certificate. Updated information is available under www.iqnet-certification.com



Page 1 of 2

### **Î.M. ORANGE MOLDOVA S.A.**

Head Office: Str. Alba Iulia nr. 75, Chişinău, Republica Moldova

for the following field of activities

Provision of electronic communications networks and services, sale of terminal equipment for electronic communications and provision of operational support services

#### Productive Unit: ORANGE SHOPS IN CHIŞINĂU:

Magazin-Chişinău-sect. Buiucani, Str. Alba Iulia nr. 75, Chişinău, Republica Moldova;
Magazin-Chişinău-sect. Centru, B-dul. Ştefan cel Mare şi Sfânt 134, Chişinău, Republica
Moldova; Magazin-Chişinău-sect. Centru, B-dul. Ştefan cel Mare şi Sfânt 130 Studio, Chişinău,
Republica Moldova; Magazin-Chişinău-sect.Centru, Str. Arborilor 21 (Mall Dova et. 3),
Chişinău, Republica Moldova; Magazin-Chişinău-sect. Ciocana, Str. Arborilor 21, Chişinău,
Republica Moldova; Magazin-Chişinău-sect. Ciocana, Str. Mircea cel Bătrîn, 2/1, Chişinău,
Republica Moldova; Magazin-Chişinău-sect. Rîşcani 1, Str. Kiev, 16/1, Chişinău, Republica

#### ORANGE SHOPS IN BĂLȚI AND CAHUL

Magazin-Bălți-1, Str. Ștefan cel Mare 76/A, Bălți, Republica Moldova; Magazin-Bălți-2, Str. Vasile Alexandri 4, Bălți, Republica Moldova; Magazin-Bălți-3, Str. Ștefan cel Mare 41, Bălți, Republica Moldova; Magazin-Cahul 1, Str. Republicii 20/14, Cahul, Republica Moldova; Magazin-Cahul 2, Str. Ștefan cel Mare 17, Cahul, Republica Moldova

#### ORANGE SHOPS IN DISTRICT CENTERS

Edinet Store, Str. Independenței 106, Edinet, Republica Moldova; Căuşeni Store, Str. Mihai
Eminescu, 10, Căuşeni, Republica Moldova; Briceni Store, Str. Independenței, 16 A, Briceni,
Republica Moldova; Orhei Store, Str. Vasile Lupu, 29/2, Orhei, Republica Moldova; Comrat
Store, Str. Lenin, 192, Comrat, Republica Moldova; Ungheni Store, Str. Națională 18 A,
Ungheni, Republica Moldova; Rezina Store, Str. 27 August 48/2, Rezina, Republica Moldova;
Hinceşti Store, Str. Chişinăului 7, Hinceşti, Republica Moldova; Floreşti Store, Str. 31 August,
46, Floreşti, Republica Moldova; Glodeni Store, Str. Suveranității 9/3, Glodeni, Republica
Moldova; Soroca 1 Store, Str. Ştefan cel Mare, 24, Soroca, Republica Moldova; Soroca 2 Store,
Str. Grigore Vieru 9A, Soroca, Republica Moldova; Drochia Store, Str. 31 August 33, Drochia,
Republica Moldova; Făleşti Store, Str. Eminescu 1C, Făleşti, Republica Moldova; Străşeni
Store, Str. Ştefan cel Mare 74A, Străşeni, Republica Moldova

#### for the following field of activities

Provision of electronic communications networks and services, sale of terminal equipment for electronic communications



Page 2 of 2

#### **Î.M. ORANGE MOLDOVA S.A.**

Head Office: Str. Alba Iulia nr. 75, Chişinău, Republica Moldova

Call Centru 2 - Str. Calea Ieşilor, nr.10, Chişinău, Republica Moldova

#### **ORANGE SYSTEMS S.A.**

Head Office: Str. Alba Iulia nr. 75, Chişinău, Republica Moldova

for the following field of activities

Telecomunications. Data processing. Custom software development activities (client oriented software). IT consultancy activities

acreditat pentru CERTIFICARE



SR EN ISO/CEI 17021-1:2015 CERTIFICAT DE ACREDITARE SM 004



## CERTIFICAT

SRAC certifică organizația/ certifies the organisation

## ORANGE MOLDOVA S.A.

Sediul central: Str. Alba Iulia nr. 75, Chişinău, Republica Moldova

cu sediile de lucru și activitățile prezentate în anexă with the productive units and activities as listed in the annex

că are implementat și menține un sistem de management al sănătății și securității ocupaționale conform condițiilor din referențialul which has implemented and maintains an occupational health and safety management system which fulfils the requirements of the reference standard

## SR OHSAS 18001:2008 (BS OHSAS 18001:2007)



Valabilitatea certificatului este condiționată de efectuarea supravegherilor anuale până la data de:



nr. certificat/ certificate registration no. **2463** data inițială a certificării/ initial certification date **31 martie 2011** data recertificării/ reissuing date **04 aprilie 2017** data ultimei actualizări/ last update valabil până la/ valid until **03 aprilie 2020** (cu condiția vizării anuale) SRAC CERT SRL, Str. Vasile Pârvan Nr. 14, Sector 1, București www.srac.ro

Director General Ing. Mihaela Cristea



## Î.M. ORANGE MOLDOVA S.A.

Sediul central: Str. Alba Iulia nr. 75, Chişinău, Republica Moldova pentru următoarele activități/ for the following fields of activities

nizarea rețelelor și serviciilor de comunicații electronice, comercializarea echipamentelor terminale pentru comunicații electronice și prestarea serviciilor de asistență operațională

Provision of electronic communications networks and services, sale of terminal equipment for electronic communications and provision of operational support services

#### MAGAZINE ORANGE DIN CHIŞINĂU

Magazin-Chişinău-sect. Buiucani, Str. Alba Iulia nr. 75, Chişinău, Republica Moldova; Magazin-Chişinău-sect. Centru, B-dul. Ştefan cel Mare şi Sfânt 134, Chişinău, Republica Moldova; gazin-Chişinău-sect. Centru, B-dul. Ştefan cel Mare şi Sfânt 130 Studio, Chişinău, Republica Moldova; Magazin-Chişinău-sect. Centru, Str. Arborilor 21 (Mall Dova et. 3), Chişinău, Republica Moldova; Iagazin-Chişinău-sect. Botanica, B-dul. Dacia 27, Chişinău, Republica Moldova; Magazin-Chişinăuc Ciocana, Str. Mircea cel Bătrîn, 2/1, Chişinău, Republica Moldova; Magazin-Chişinău-sect. Rîşcani 1, Str. Kiev, 16/1, Chişinău, Republica Moldova; Magazin-Chişinău-sect. Rîşcani 2,

B-dul. Moscova, 9/1, Chişinău, Republica Moldova

MAGAZINE ORANGE DIN BĂLŢI ȘI CAHUL

azin-Bălți-1, Str. Ştefan cel Mare 76/A, Bălți, Republica Moldova; Magazin-Bălți-2, Str. Vasile Alexandri 4, Bălți, Republica Moldova; Magazin-Bălți-3, Str. Ştefan cel Mare 41, Bălți, Republica Moldova; n-Cahul 1, Str. Republicii 20/14, Cahul, Republica Moldova; Magazin-Cahul 2, Str. Ştefan cel Mare 17, Cahul,

Republica Moldova

MAGAZINE ORANGE CENTRELE RAIONALE

ızin- Edinet, Str. Independenţei 106, Edinet, Republica Moldova; Magazin - Căuşeni, Str. Mihai Eminescu, 10, Căuşeni, Republica Moldova; Magazin - Briceni, Str.Independenţei, 16 A, Briceni, Republica Moldova; Jazin - Orhei, Str. Vasile Lupu, 29/2, Orhei, Republica Moldova; Magazin - Comrat, Str. Lenin, 192, Comrat,

Republica Moldova; Magazin - Ungheni, Str. Naţională 18 A, Ungheni, Republica Moldova; zin - Rezina, Str. 27 August 48/2, Rezina, Republica Moldova; Magazin - Hinceşti, Str. Çhişinăului 7, Hinceşti, publica Moldova; Magazin - Floreşti, Str. 31 August, 46, Floreşti, Republica Moldova; Magazin - Glodeni, Str. Suveranității 9/3, Glodeni, Republica Moldova; Magazin - Soroca 1, Str. Ştefan cel Mare, 24, Soroca, Iblica Moldova; Magazin - Soroca 2, Str. Grigore Vieru 9A, Soroca, Republica Moldova; Magazin - Drochia, 11 August 33, Drochia, Republica Moldova; Magazin - Făleşti, Str. Eminescu 1C, Făleşti, Republica Moldova; Magazin - Străşeni, Str. Ştefan cel Mare 74A, Străşeni, Republica Moldova

#### pentru următoarele activități/

#### for the following fields of activities

nizarea rețelelor și serviciilor de comunicații electronice, comercializarea echipamentelor terminale pentru comunicații electronice

Provision of electronic communications networks and services, sale of terminal equipment for electronic



## Î.M.ORANGE MOLDOVA S.A.

Sediul central: Str. Alba Iulia nr. 75, Chişinău, Republica Moldova

CALL CENTER Call Centru 2 - Str. Calea Ieșilor nr.10, Chișinău, Republica Moldova

### ORANGE SYSTEMS S.A.

Sediul central: Str. Alba Iulia nr. 75, Chişinău, Republica Moldova

pentru următoarele activități/ for the following fields of activities

Telecomunicații. Prelucrarea datelor. Activități de realizare a softului la comandă (software orientat client). Activități de consultanță în tehnologia informației

Telecomunications. Data processing. Custom software developement activities (client oriented software). IT consultancy activities

nr. certificat/ certificate registration no. **2463** Anexă eliberată la/ Annex issued on **04 aprilie 2017** Această anexă este valabilă numai cu certificatul menționat/ This annex is valid only in connection with the mentioned certificate Pagina/Page 2/2

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SRAC certifică organizația/ certifies the organisation

### ORANGE MOLDOVA S.A.

Sediul central: Str. Alba Iulia nr. 75, Chişinău, Republica Moldova

cu sediile de lucru și activitățile prezentate în anexă с производственными объектами и видами деятельности, перечисленными в приложении

că are implementat și menține un și securității ocupaționale conform condițiilor din referențialul

которое, внедрило и применяет sistem de management al sănătății систему менеджмента охраны здоровья и безопасности персонала согласно требованиям справочника

### SR OHSAS 18001:2008 (BS OHSAS 18001:2007)



Valabilitatea certificatului este condiționată de efectuarea supravegherilor anuale până la data de:



nr. certificat/ Номер Сертификата 2463 data inițială a certificării/ Начало эксплуатации сертификации 31 martie 2011 data recertificării/ Дата переаттестации 04 aprilie 2017 data ultimei actualizări/ последнее обновление valabil până la/ действителен до 03 aprilie 2020 (cu condiția vizării anuale) SRAC CERT SRL. Str. Vasile Pârvan Nr. 14. Sector 1. Bucuresti www.srac.ro

**Director General** lng. Mihaela Cr<u>istea</u>



## Î.M. ORANGE MOLDOVA S.A.

Sediul central: Str. Alba Iulia nr. 75, Chişinău, Republica Moldova

pentru următoarele activităti/ для следующих видов деятельности

Furnizarea retelelor si serviciilor de comunicatii electronice, comercializarea echipamentelor terminale pentru comunicații electronice și prestarea serviciilor de asistență operațională

Предоставление сетей и услуг электронных коммуникаций, продажа конечного оборудования для электронных коммуникаций и оказание услуг операционной поддержки

MAGAZINE ORANGE DIN CHISINĂU

Magazin-Chişinău-sect. Buiucani, Str. Alba Iulia nr. 75, Chişinău, Republica Moldova; Magazin-Chişinău-sect. Centru, B-dul. Ștefan cel Mare și Sfânt 134, Chişinău, Republica Moldova; Magazin-Chișinău-sect. Centru, B-dul. Ștefan cel Mare și Sfânt 130 Studio, Chișinău, Republica Moldova; Magazin-Chișinău-sect. Centru, Str. Arborilor 21 (Mall Dova et. 3), Chișinău, Republica Moldova; Magazin-Chișinău-sect. Botanica, B-dul. Dacia 27, Chișinău, Republica Moldova; Magazin-Chișinăusect, Ciocana, Str. Mircea cel Bătrîn, 2/1, Chisinău, Republica Moldova; Magazin-Chișinău-sect. Rîșcani 1, Str. Kiev, 16/1, Chişinău, Republica Moldova; Magazin-Chişinău-sect. Rîşcani 2,

B-dul. Moscova, 9/1, Chişinău, Republica Moldova

MAGAZINE ORANGE DIN BĂLTI ȘI CAHUL

Magazin-Bălti-1, Str. Stefan cel Mare 76/A, Bălti, Republica Moldova; Magazin-Bălti-2, Str. Vasile Alexandri 4, Bălți, Republica Moldova; Magazin-Bălți-3, Str. Ștefan cel Mare 41, Bălți, Republica Moldova; Magazin-Cahul 1, Str. Republicii 20/14, Cahul, Republica Moldova; Magazin-Cahul 2, Str. Ştefan cel Mare 17, Cahul, Republica Moldova

MAGAZINE ORANGE CENTRELE RAIONALE

Magazin- Edinet, Str. Independenței 106, Edinet, Republica Moldova; Magazin - Căuşeni, Str. Mihai Eminescu, 10, Căușeni, Republica Moldova; Magazin - Briceni, Str.Independenței, 16 A, Briceni, Republica Moldova; Magazin - Orhei, Str. Vasile Lupu, 29/2, Orhei, Republica Moldova; Magazin - Comrat, Str. Lenin, 192, Comrat, Republica Moldova; Magazin - Ungheni, Str. Națională 18 A, Ungheni, Republica Moldova;

Magazin - Rezina, Str. 27 August 48/2, Rezina, Republica Moldova; Magazin - Hinceşti, Str. Chişinăului 7, Hinceşti, Republica Moldova; Magazin - Florești, Str. 31 August, 46, Florești, Republica Moldova; Magazin – Glodeni, Str. Suveranității 9/3, Glodeni, Republica Moldova; Magazin – Soroca 1, Str. Stefan cel Mare, 24, Soroca, Republica Moldova; Magazin – Soroca 2, Str. Grigore Vieru 9A, Soroca, Republica Moldova; Magazin – Drochia, Str. 31 August 33, Drochia, Republica Moldova; Magazin – Fălești, Str. Eminescu 1C, Fălești, Republica Moldova; Magazin – Strășeni, Str. Ștefan cel Mare 74A, Strășeni, Republica Moldova

pentru următoarele activități/

#### для следующих видов деятельности

Furnizarea rețelelor și serviciilor de comunicații electronice, comercializarea echipamentelor terminale pentru comunicații electronice

Предоставление сетей и услуг электронных коммуникаций, продажа конечного оборудования для электронных коммуникаций

nr. certificat/ Номер Сертификата 2463

Anexă eliberată la/ Приложение выдается на 04 aprilie 2017 Această anexă este valabilă numai cu certificatul menționat/Данное приложение действительно только вместе с вышеупомянутым сертификатом Pagina/Страница 1/2



## Î.M. ORANGE MOLDOVA S.A.

Sediul central: Str. Alba Iulia nr. 75, Chişinău, Republica Moldova

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## **ORANGE SYSTEMS S.A.**

Sediul central: Str. Alba Iulia nr. 75, Chişinău, Republica Moldova

pentru următoarele activități/ для следующих видов деятельности

Telecomunicații. Prelucrarea datelor. Activități de realizare a softului la comandă (software orientat client). Activități de consultanță în tehnologia informației

Телекоммуникации. Обработка данных. Деятельность по разработке программного обеспечения на заказ (клиент ориентированного программного обеспечения). Консультационные услуги в области ИТ

nr. certificat/ Номер Сертификата **2463** Anexă eliberată la/ Приложение выдается на **04 aprilie 2017** Această anexă este valabilă numai cu certificatul menționat/Данное приложение действительно только вместе с вышеупомянутым сертификатом Pagina/Страница 2/2

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THE INTERNATIONAL CERTIFICATION NETWORK

## CERTIFICATE

**SRAC** as an IQNet Partner hereby states that the organization:

#### **ORANGE MOLDOVA S.A.**

Central Office: Str. Alba Iulia nr. 75, Chişinău, Republica Moldova

with the productive units and activities as listed in the annex

has implemented and maintains a

#### Occupational Management System

which fulfils the requirements of the following standard:

## OHSAS 18001 : 2007

Issued on: 2017 - 04 - 04 First issued on: 2011 - 03 - 31 for the validity date, please refer to the original certificate\* issued by **SRAC** 

Registration Number: RO - 2463

Sacculard

Michael Drechsel President of IQNet

ing. Mihaela Cristea SRAC General Manager



IQNet Partners\*\*:

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#### **Î.M. ORANGE MOLDOVA S.A.**

Head Office: Str. Alba Iulia nr. 75, Chişinău, Republica Moldova

for the following field of activities

Provision of electronic communications networks and services, sale of terminal equipment for electronic communications and provision of operational support services

#### Productive Unit: ORANGE SHOPS IN CHIŞINĂU:

Magazin-Chişinău-sect. Buiucani, Str. Alba Iulia nr. 75, Chişinău, Republica Moldova;
Magazin-Chişinău-sect. Centru, B-dul. Ştefan cel Mare şi Sfânt 134, Chişinău, Republica
Moldova; Magazin-Chişinău-sect. Centru, B-dul. Ştefan cel Mare şi Sfânt 130 Studio, Chişinău,
Republica Moldova; Magazin-Chişinău-sect.Centru, Str. Arborilor 21 (Mall Dova et. 3),
Chişinău, Republica Moldova; Magazin-Chişinău-sect. Botanica, B-dul. Dacia 27, Chişinău,
Republica Moldova; Magazin-Chişinău-sect. Ciocana, Str. Mircea cel Bătrîn, 2/1, Chişinău,
Republica Moldova; Magazin-Chişinău-sect. Rîşcani 1, Str. Kiev, 16/1, Chişinău, Republica

#### ORANGE SHOPS IN BĂLȚI AND CAHUL

Magazin-Bălți-1, Str. Ștefan cel Mare 76/A, Bălți, Republica Moldova; Magazin-Bălți-2, Str. Vasile Alexandri 4, Bălți, Republica Moldova; Magazin-Bălți-3, Str. Ștefan cel Mare 41, Bălți, Republica Moldova; Magazin-Cahul 1, Str. Republicii 20/14, Cahul, Republica Moldova; Magazin-Cahul 2, Str. Ștefan cel Mare 17, Cahul, Republica Moldova

#### ORANGE SHOPS IN DISTRICT CENTERS

Edinet Store, Str. Independenței 106, Edinet, Republica Moldova; Căuşeni Store, Str. Mihai Eminescu, 10, Căuşeni, Republica Moldova; Briceni Store, Str. Independenței, 16 A, Briceni, Republica Moldova; Orhei Store, Str. Vasile Lupu, 29/2, Orhei, Republica Moldova; Comrat Store, Str. Lenin, 192, Comrat, Republica Moldova; Ungheni Store, Str. Națională 18 A, Ungheni, Republica Moldova; Rezina Store, Str. 27 August 48/2, Rezina, Republica Moldova; Hinceşti Store, Str. Chişinăului 7, Hinceşti, Republica Moldova; Floreşti Store, Str. 31 August, 46, Floreşti, Republica Moldova; Glodeni Store, Str. Suveranității 9/3, Glodeni, Republica Moldova; Soroca 1 Store, Str. Ştefan cel Mare, 24, Soroca, Republica Moldova; Soroca 2 Store, Str. Grigore Vieru 9A, Soroca, Republica Moldova; Drochia Store, Str. 31 August 33, Drochia, Republica Moldova; Făleşti Store, Str. Eminescu 1C, Făleşti, Republica Moldova; Străşeni Store, Str. Ştefan cel Mare 74A, Străşeni, Republica Moldova

#### for the following field of activities

Provision of electronic communications networks and services, sale of terminal equipment for electronic communications



Page 2 of 2

#### **Î.M. ORANGE MOLDOVA S.A.**

Head Office: Str. Alba Iulia nr. 75, Chişinău, Republica Moldova

Call Centru 2 - Str. Calea Ieşilor, nr.10, Chişinău, Republica Moldova

#### **ORANGE SYSTEMS S.A.**

Head Office: Str. Alba Iulia nr. 75, Chişinău, Republica Moldova

for the following field of activities

Telecomunications. Data processing. Custom software development activities (client oriented software). IT consultancy activities