



# ePlus Mobile

## User Manual

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## 1. Introduction

The ePlusMobile allows complete control of all procedures related to Meters mobile control and management, particularly:

- Reading
- Detachment
- Reconnection
- Meter Prepay Configuration
- Meter Credit Read
- Load Profile

And

- Meter Credit Charge
- Change ( allows to modify Tariff and / or Contract Change)

	Generation on smartphone	Generation on website
Reading	X	
Detachment	X	
Reconnection	X	
Prepay Configuration		X
Prepay Credit Read	X	X
Prepay Credit Charge		X
Tariff/Contract Change		X
Load Profile	X	

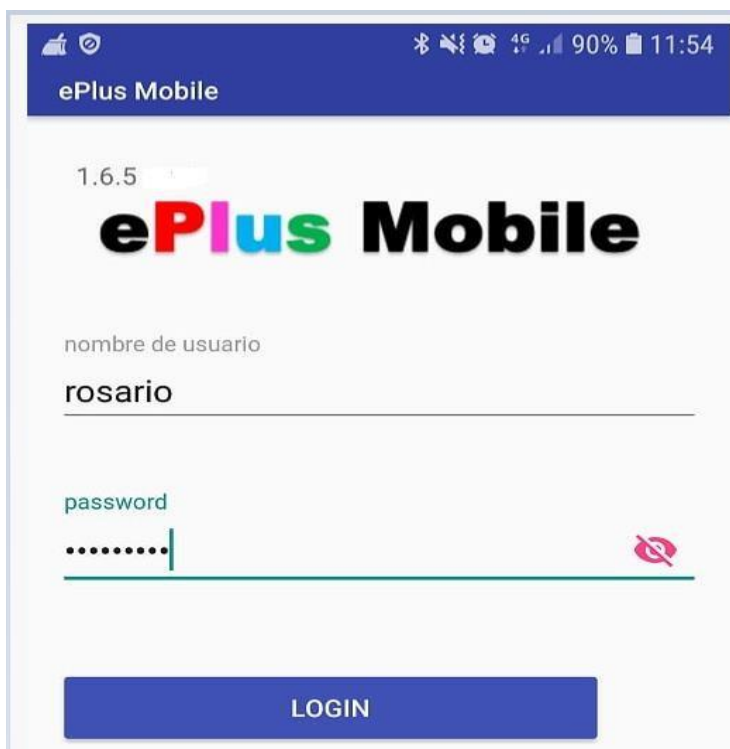
## 2. ePlus Mobile Main Features

The ePlus Mobile system is characterized by a set of basic objects and forms for accessing to the system functionalities, the following paragraphs describe the Common forms for accessing to the basic system features, also their associated objects are detailed. There are three common generic forms:

- Conexion
- Trabajo
- Ejecutado

## 3. Login

After downloading and installing the eplus Mobile app, this will be the first screen



The screenshot displays the ePlus Mobile login interface. At the top, a status bar shows various icons and the time 11:54. Below this, a blue header bar contains the text 'ePlus Mobile'. The main area is white and features the version number '1.6.5' in the top left. The app's logo, 'ePlus Mobile', is prominently displayed in the center, with 'e' in black, 'Plus' in multi-colored letters, and 'Mobile' in black. Below the logo, there are two input fields: 'nombre de usuario' (username) and 'password'. The username field is filled with the text 'rosario'. The password field is masked with dots. To the right of the password field is a red icon of a crossed-out eye, indicating a toggle for password visibility. At the bottom of the screen is a large blue button labeled 'LOGIN'.

Before entering the login credentials, verify that the user is entered in the correct group. Only users in the Mobile User Group will be able to access the app's features.



The screenshot shows a web interface for user management. On the left is a sidebar with a 'User management' menu item. The main area is titled 'User list' and contains a table with the following columns: Name, Group, Tag, is lock, Email, Identification, Culture, and a 'Chan' column with a 'Reset' link. Three users are listed, all belonging to the 'Mobile User Group'.

	Name	Group	Tag	is lock	Email	Identification	Culture	Chan
	claudio.silva	Mobile User Group	Chile	false	claudio.silva@mail.cl	claudio.silva	en-US	<a href="#">Reset</a>
	david.salgado	Mobile User Group	Chile	false	david.salgado@mail.cl	david.salgado	en-US	<a href="#">Reset</a>
	jordan.palma	Mobile User Group	Chile	false	jordan.palma@mail.cl	jordan.palma	en-US	<a href="#">Reset</a>

## 4. Conexión

After correctly entering the user's credentials, the app's functionality can be accessed. In order to use ePlus Mobile, it is essential that Bluetooth is activated in the mobile phone. Only then will it be possible to connect to the "Bird"

The screenshot displays the 'ePlus Mobile' application interface. At the top, there is a blue header with the text 'ePlus Mobile'. Below this, a blue button with a Bluetooth icon and the word 'SCAN' is visible. To its right is a checkbox labeled 'Use sonda externa'. The main content area is enclosed in a rounded rectangle and contains the MAC address '00:17:E9:E4:1A:1B'. Below the address, the instruction 'Seleccione el dispositivo al que desea conectarse.' is followed by two list items: 'Lista de nuevos dispositivos (0)' and 'Lista de dispositivos ya emparejados (1)'. The first list item is marked with 'N/A'. At the bottom of this section, there are two radio buttons: 'CERVANTES' (which is selected) and '2.0'. Below these is the text 'Seleccionar tipo de dispositivo'. A button labeled 'Registro de comunicación' is positioned below the main content area. At the very bottom, there is a navigation bar with three icons and labels: a mobile phone icon for 'Conexión', a person icon for 'Trabajo', and a list icon for 'Ejecutado'.

ePlus Mobile

SCAN ☐ Use sonda externa

00:17:E9:E4:1A:1B

Seleccione el dispositivo al que desea conectarse.

Lista de nuevos dispositivos (0)  
N/A

Lista de dispositivos ya emparejados (1)

☒ CERVANTES ☐ 2.0

Seleccionar tipo de dispositivo

Registro de comunicación

Conexión Trabajo Ejecutado

Insert the BIRD in the meter , the led light will be red.



Now click on “SCAN” on ePlus Mobile app, and select a Bird (remember to have bluetooth enabled on your phone)

☒ SCAN ☐ Use sonda externa

00:17:E9:E4:1A:1B

**Seleccione el dispositivo al que desea conectarse.**  
Lista de nuevos dispositivos (0)  
N/A  
Lista de dispositivos ya emparejados (1)  
Conectado a Bird1.0 14BRDA10 m - 1A:1B

☒ CERVANTES ☐ 2.0

**Seleccionar tipo de dispositivo**

Registro de comunicación

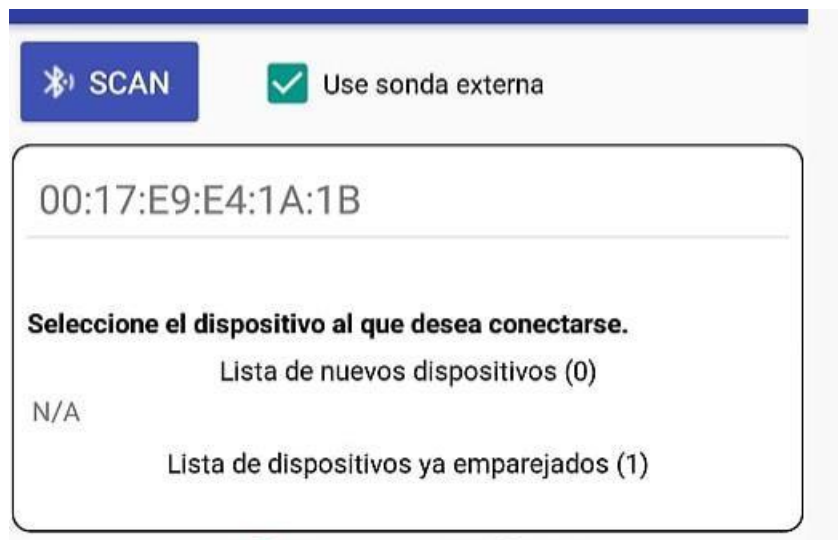
Conectado a Bird1.0 14BRDA10 m - 1A:1B

Now the bird's LED light will be green



If the "sonda externa" is used, it is necessary to flag the field, and repeat the steps:





## 5. Trabajo: +NUEVO

Once the connection is established correctly, between the app and the BIRD, it will be possible to start with the work.

As shown in the figure below, we have 2 buttons: "+ NUEVO" and "DESCARGAR".

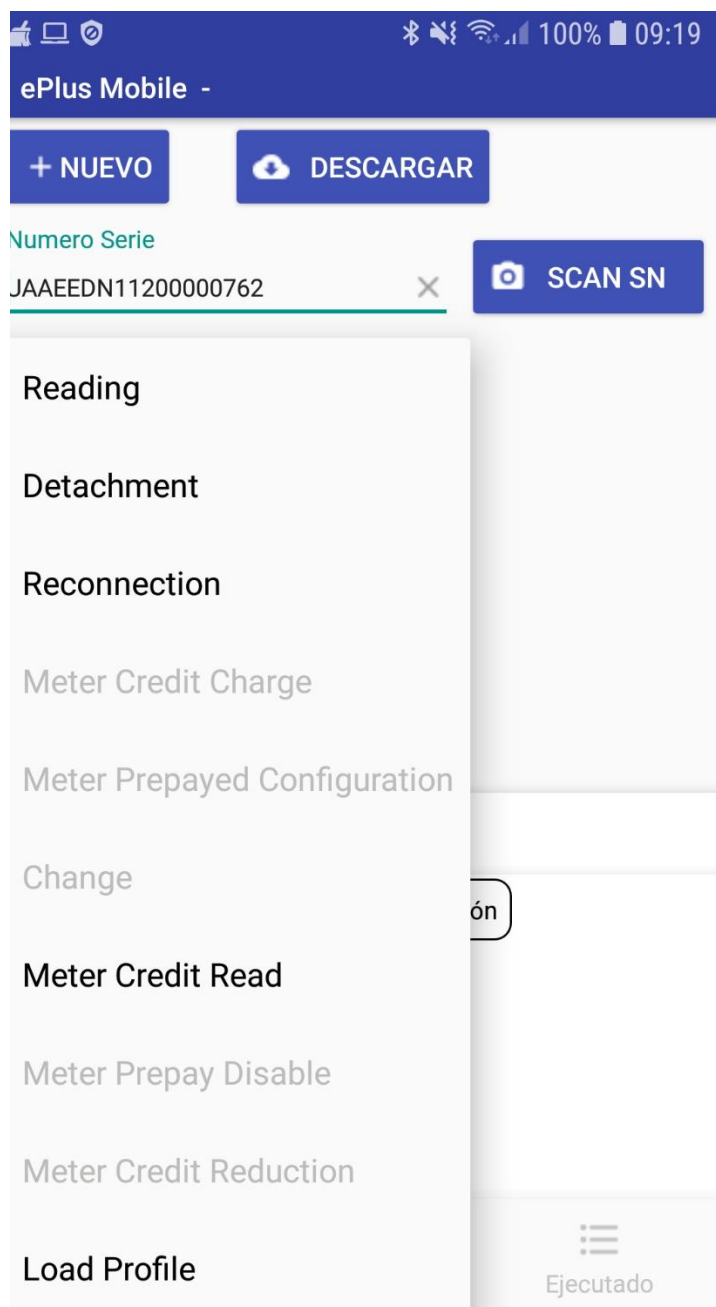


Let's start with the first one, "+ NUEVO".

By clicking on this we have 2 possibilities; or manually insert the "Series Number" or alternatively by clicking on "SCAN SN", simply scan the meter serial number to be able to acquire it.



Once the serial number has been entered, it is now possible to choose the operation to be performed, as shown in the drop-down menu shown in the image below.



The operations in gray , “Meter Credit Charge” and “Change” cannot be performed directly from a smartphone, but the work must be created from SMM ePlus, and subsequently executed by downloading them by clicking on the "DESCARGAR" button.

For example Reading, select from menu and than click on start.

The screenshot shows the e-distribuzione mobile app interface. At the top, there are two buttons: '+ NUEVO' and 'DESCARGAR'. Below them is a 'Numero Serie' field containing 'UAAEEDN11200129682' and a 'SCAN SN' button. A dropdown menu is open, showing 'Reading' as the selected option. Below the dropdown is a 'GET INFO' button. The main content area displays 'Listo para trabajar en el medidor: UAAEEDN11200129682'. At the bottom, there is a 'START' button and a 'Registro de comunicación' button.

At the end of the reading work, if everything went well, it will be shown as in the image below

The screenshot shows a confirmation dialog titled 'Orden de trabajo ejecutado con éxito'. The dialog contains the following information:

- Numero Serial: UAAEEDN11200129695
- POD: ROSSO0003
- Concentrador: ROSSOT01
- Usuario: mainadminmobile
- Fecha ejecucion: 2019-11-20 15:26:28
- Trabajo: Reading

Below this information, there is a table of active meters:

Activa	Tot
Activa Tot	1352143
Activa T1	55134
Activa T2	312258
Activa T3	981227
Activa T4	172
Activa T5	1043

At the bottom of the dialog, there are two buttons: 'GUARDA EN CSV' and 'OK'.

## e-distribuzione

The pop-up shows the data of the reading taken, furthermore there is the possibility of being able to view it in CSV format

After you can check on SMM ePlus, in the report "Last current reading for meters" the work that has been done

concentrator	usagepoint	macaddress	serialnumber	version app1	state	process state	t1	t2	t3	t4	t5	t6	tot	reading date local	last t
ROSSOT01	ROSSO0003	86041601FA9F	UAAEEDN11200129695	3131	Commissioned		55134	312258	981227	172	1043	2309	1352143	11/20/2019 3:27:19 PM	11,

Another example with “Meter Credit Read”, select from menu and than, click “Start”

+ NUEVO    DESCARGAR

Numero Serie

UAAEEDN11200129695    SCAN SN

Meter Credit Read

GET INFO

Listo para trabajar en el medidor:  
UAAEEDN11200129695



pod  ☒ NULL serialnumber  ☒ NULL

from [enddate]  to [enddate]

activity type

1 of 1 Find | Next

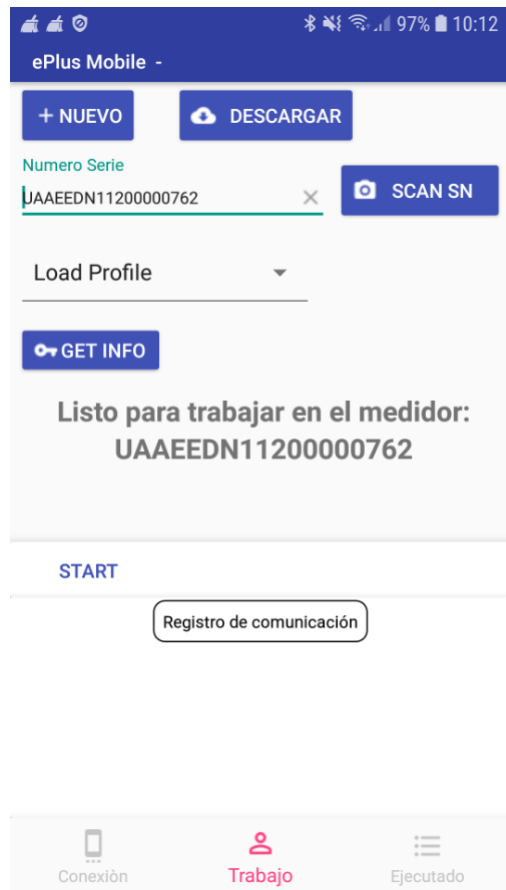
## Commercial workorder completed

Offset minutes from UTC: 60

idwo	user	pod	meter	activity type	contract profile	tariff profile	contract state	enddate utc	enddate local	is mobile
3560	GDS-ITA-Admin	ROSSO0003	UAAEEDN11200129695	Meter Credit Read				11/20/2019 3:43:01 PM	11/20/2019 4:43:01 PM	True
3558	Ripa	ROSSO0003	UAAEEDN11200129695	Meter Credit Read				11/20/2019 2:27:23 PM	11/20/2019 3:27:23 PM	True
3557	Ripa	ROSSO0003	UAAEEDN11200129695	Reading				11/20/2019 2:26:34 PM	11/20/2019 3:26:34 PM	True
3554	GDS-ITA-Admin	VIOLA0014	UAAEEDN10100027282	Reading				11/20/2019 10:36:18 AM	11/20/2019 11:36:18 AM	False
3553	GDS-ITA-Admin	GIALL0002	UAAEEDN10100027236	Reading				11/20/2019 10:27:46 AM	11/20/2019 11:27:46 AM	False

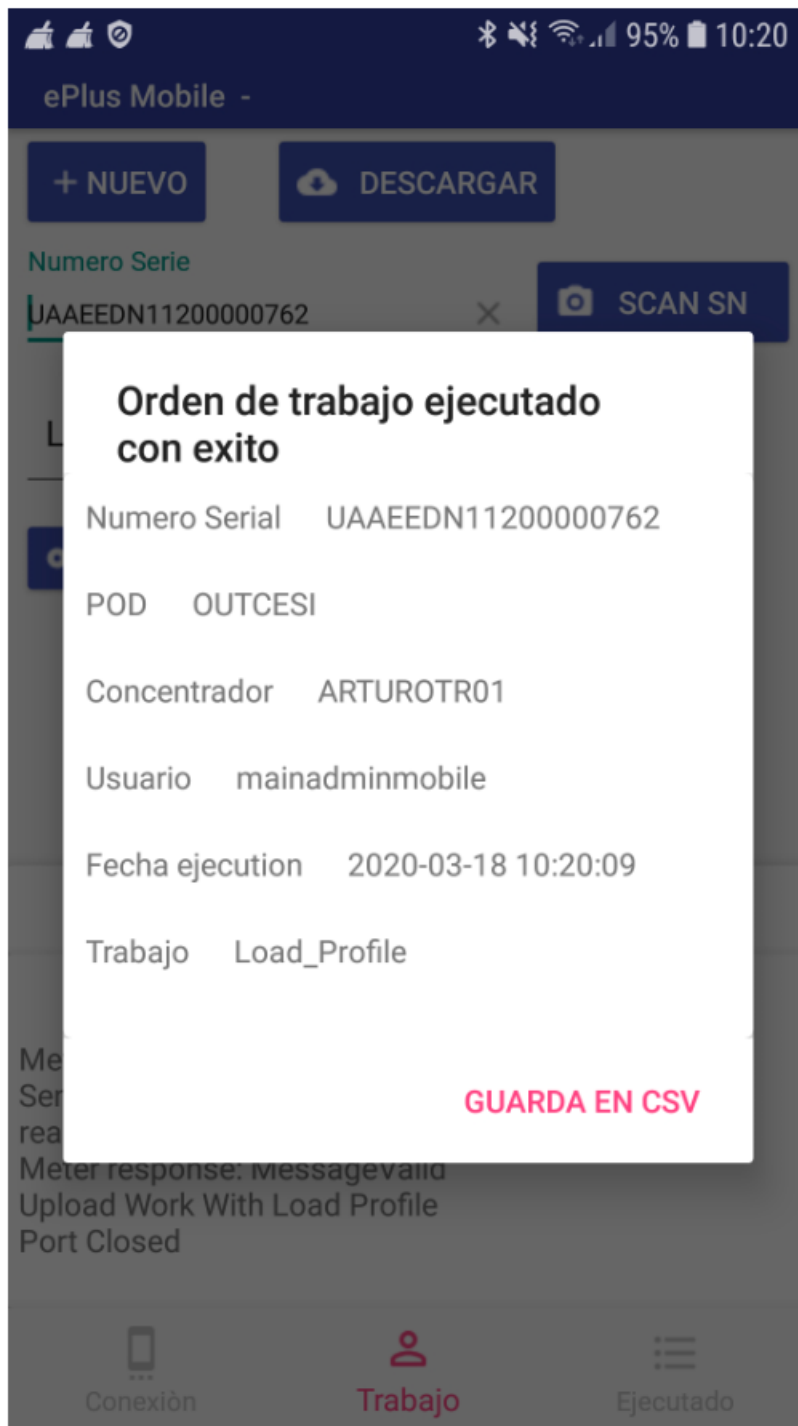
## 5.1 LOAD PROFILE

After identifying the meter, it will be possible to download the LP of the same.  
Just click the "Load Profile" item on the drop-down menu, click "GET INFO" and then "START"



The LPs will be those that the meter has configured through its profile, and can have "Active Forward" and "Reactive Forward" energies.

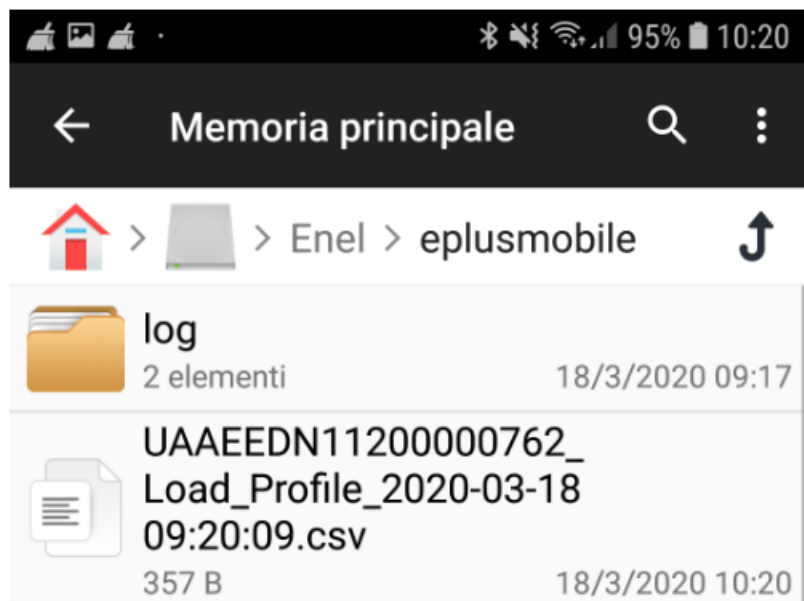




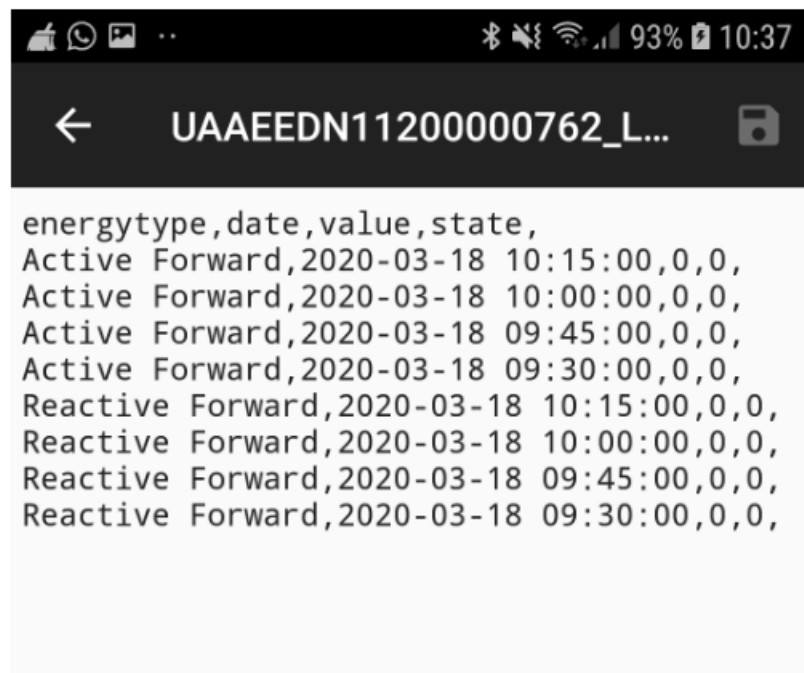
It will be possible to view them on a csv file, click on "GUARDA EN CSV"

On the mobile go on path: Enel→eplusmobile

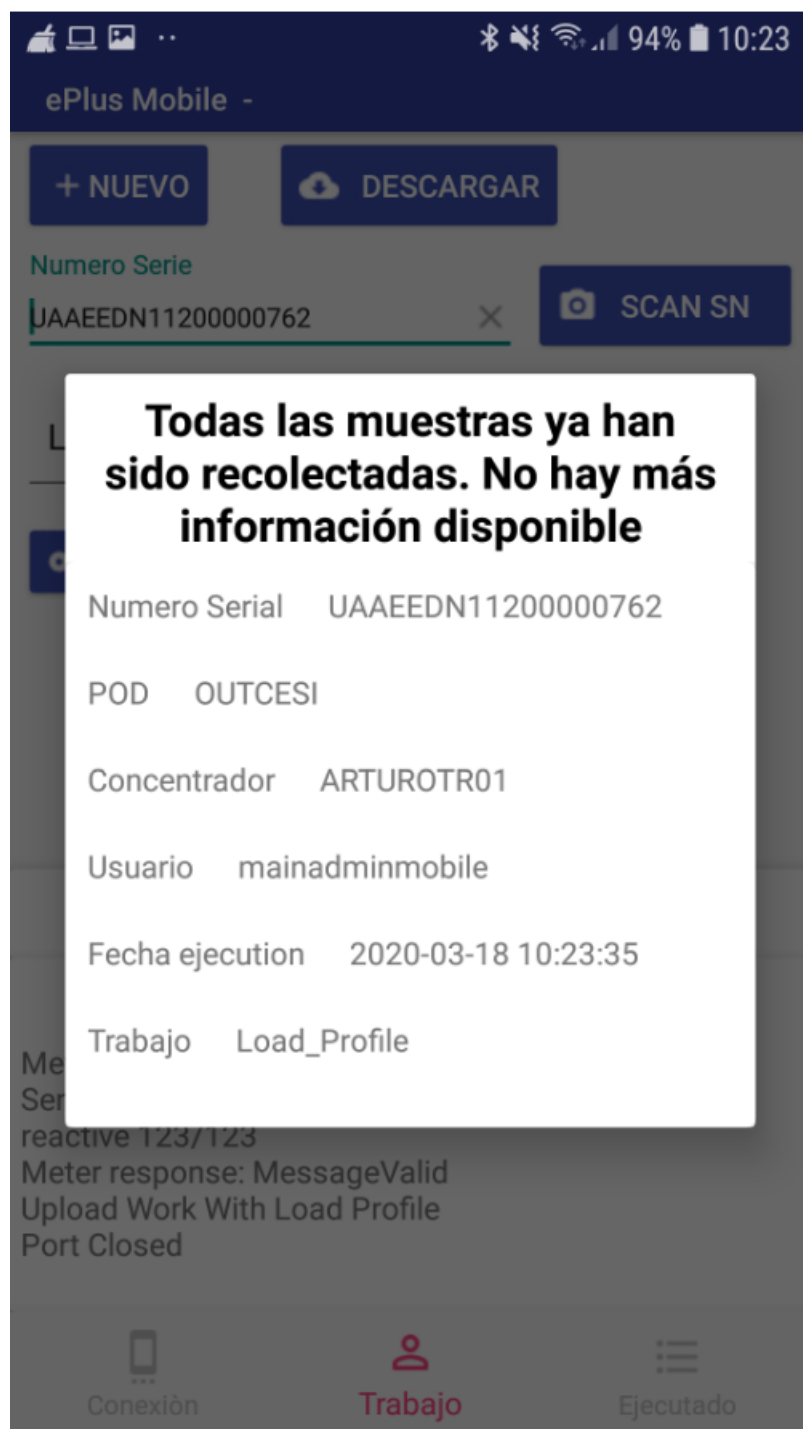
## e-distribuzione



Here find the file, the files will be formed by the serial number of the meter, the action taken and the date.



If there are no new readings to download, this message will be displayed when finished



On SMM ePlus, you can see in the report "Mobile workorder completed", all completed jobs

serialnumber

UAAEEDN11200000762

☐ NULL

activity type

Load Profile

1

of 1

Find | Next

Offset minutes from UTC: 60

Mobile workorder completed

idworkordermobile	meter	activity type	outer id	user creation	user execution	errordesc	insertdate utc	downloaddate utc	enddate utc	insertdate local	do
	UAAEEDN11200000762	Load Profile		Ripa	Ripa		3/18/2020 9:23:37 AM		3/18/2020 9:23:35 AM	3/18/2020 10:23:37 AM	
	UAAEEDN11200000762	Load Profile		Ripa	Ripa		3/18/2020 9:20:09 AM		3/18/2020 9:20:09 AM	3/18/2020 10:20:09 AM	
	UAAEEDN11200000762	Load Profile		Ripa	Ripa		3/18/2020 9:17:05 AM		3/17/2020 3:52:25 PM	3/18/2020 10:17:05 AM	
	UAAEEDN11200000762	Load Profile		Ripa	Ripa		3/18/2020 9:17:05 AM		3/17/2020 3:52:25 PM	3/18/2020 10:17:05 AM	
	UAAEEDN11200000762	Load Profile		Ripa	Ripa		3/18/2020 9:11:20 AM		3/17/2020 3:52:25 PM	3/18/2020 10:11:20 AM	
	UAAEEDN11200000762	Load Profile		Ripa	Ripa		3/18/2020 9:11:20 AM		3/17/2020 3:52:25 PM	3/18/2020 10:11:20 AM	
	UAAEEDN11200000762	Load Profile		Ripa	Ripa		3/18/2020 8:21:39 AM		3/18/2020 8:21:39 AM	3/18/2020 9:21:39 AM	
	UAAEEDN11200000762	Load Profile		Ripa	Ripa		3/18/2020 8:18:26 AM		3/17/2020	3/18/2020 9:18:26 AM	

## 5.2 Trabajo : DESCARGAR

For some operations, it is possible to create a work from the SMM ePlus, and then through the app retrieve the work and execute it.

At the moment it is possible to do it for :

- a) Credit read
- b) Prepay configuration
- c) Credit charge
- d) Contract change

For these it is sufficient to go to the SMM ePlus and click on **“Generate mobile activity”**

Prepay configuration:

For selected meters the system will create a technical workorder that will configure prepayment parameters on meters. Selecting “Generate mobile activity” button, the activity will be available for execution from ePlus mobile application


✓	Concentrator Name	Serial number	Reachable	Meter type	Versionapp1	Details	Is prepayed config
✓	ROSSOT01	UAAEEDN11200129682	true	CERM1	3131		true
✓	ROSSOT01	UAAEEDN11200129695	true	CERM1	3131		true
✓	ROSSOT01	UAAEEDN11200129683	true	CERM1	3131		true

Total items: 3 (Selected items: 1)

For selected meters the system will create a technical workorder that will configure prepayment parameters on meters. Selecting “Generate mobile activity” button, the activity will be available for execution from ePlus mobile application

✓	Concentrator Name	Serial number	Reachable	Meter type	Versionapp1	Details	Is prepayed
✓	ROSSOT01	UAAEEDN11200129682	true	CERM1	3131		true
✓	ROSSOT01	UAAEEDN11200129695	true	CERM1	3131		true
✓	ROSSOT01	UAAEEDN11200129683	true	CERM1	3131		true

Total items: 3

 Prepay configuration sent to mobile

## Credit read:

Commissioned meters

✓	POD name	Serial number	Contract state	Concentrator	Breaker state	Contract profile	Tariff profile	WO per
✓	ROSSO0002	UAAEEDN112001296...	activated	ROSSOT01	connected (100)	Default contract - CERM1	Default tariff -CERM1	false
✓	ROSSO0003	UAAEEDN112001296...	activated	ROSSOT01	detached (0)	Default contract - CERM1	Default tariff -CERM1	true
✓	POD3	UAAEEDN112001296...	activated	ROSSOT01	connected (100)	Default contract - CERM1	Default tariff -CERM1	false

Total items: 3 (Selected items: 1)

Create workorder

Create mobile workorder

Commissioned meters

✓	POD name	Serial number	Contract state	Concentrator	Breaker state	Contract profile	Tariff profile	WO per
✓	ROSSO0002	UAAEEDN112001296...	activated	ROSSOT01	connected (100)	Default contract - CERM1	Default tariff -CERM1	false
✓	ROSSO0003	UAAEEDN112001296...	activated	ROSSOT01	detached (0)	Default contract - CERM1	Default tariff -CERM1	true
✓	POD3	UAAEEDN112001296...	activated	ROSSOT01	connected (100)	Default contract - CERM1	Default tariff -CERM1	false

Total items: 3

Credit read workorder sent for mobile

## Credit Charge:

Commissioned meters

✓	POD name	Serial number	State	Contract state	Concentrator	Breaker state	Contract profile
✓	ROSSO0002	UAAEEDN11200129683	Commission...	activated	ROSSOT01	undefined (100)	Default contract - CERM1
✓	ROSSO0003	UAAEEDN11200129695	Commission...	activated	ROSSOT01	undefined (0)	Default contract - CERM1
✓	POD3	UAAEEDN11200129682	Commission...	activated	ROSSOT01	undefined (100)	Default contract - CERM1

Total items: 3 (Selected items: 1)

Insert credit charge (max 4294967295)

Wh  [Create workorder](#) [Create mobile workorder](#)

Commissioned meters

✓	POD name	Serial number	State	Contract state	Concentrator	Breaker state	Contract profile
✓	ROSSO0002	UAAEEDN11200129683	Commission...	activated	ROSSOT01	undefined (100)	Default contract - CERM1
✓	ROSSO0003	UAAEEDN11200129695	Commission...	activated	ROSSOT01	undefined (0)	Default contract - CERM1
✓	POD3	UAAEEDN11200129682	Commission...	activated	ROSSOT01	undefined (100)	Default contract - CERM1

Total items: 3

Credit charge workorder sent for mobile

Contract change:

✓	CERM1	ROSSO0003	UAAEEDN112001296...	ROSSOT01	Commission...	undefined (0)	Default contract - CER
✓	CERM1	POD3	UAAEEDN112001296...	ROSSOT01	Commission...	undefined (100)	Default contract - CER

Total items: 3 (Selected items: 1)

Tariffs and contracts

✓	Name	Description	Meter type
✓	Chile_THR_Tariff	Chile_THR_Tariff	CERM1

Total items: 1 (Selected items: 1)

[Create mobile workorder](#) [Create workorder](#)

✓	Name	Description	Meter type
✓	Contract_10000	Contract_10000	CERM1

Total items: 2 (Showing items: 1)(Selected items: 1)

✓	CERM1	ROSSO0002	UAAEEDN112001296...	ROSSOT01	Commission...	undefined (100)	Default contract - CERM1	Default tariff -CER
✓	CERM1	ROSSO00...	UAAEEDN11200129...	ROSSOT01	Commission...	undefined (0)	Default contract - CERM1	Default tariff -CER
✓	CERM1	POD3	UAAEEDN112001296...	ROSSOT01	Commission...	undefined (100)	Default contract - CERM1	Default tariff -CER

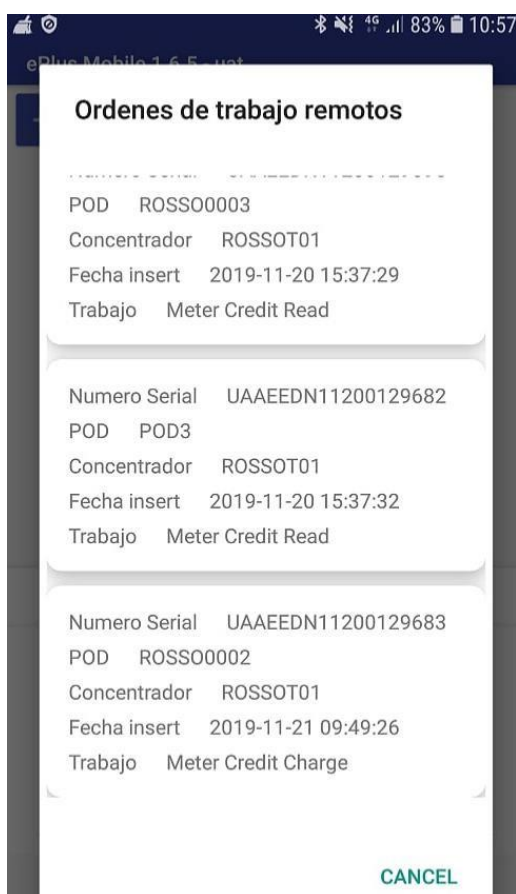
Total items: 3

Tariffs and contracts

Contract change workorder sent for remote execution

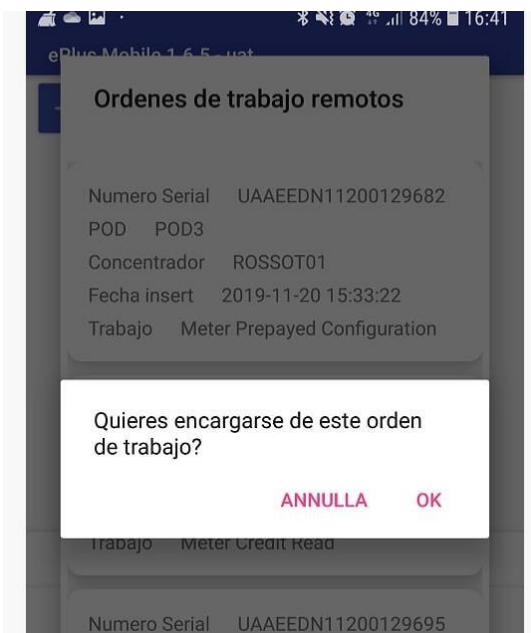
Now from the mobile application it will be possible to recover the work created on SMM ePlus, and complete it.

Clicking on "DESCARGAR", a pop-up will open with a list of the work that can be retrieved and completed.



Clicking on a pop-up order, you will be asked for confirmation to be able to use it





Clicking on “OK”, the data will be recovered and used, it will be sufficient to click on START and the work will be sent (Numero Serie and the type of activity required cannot be changed)



+ NUEVO

DESCARGAR

Numero Serie

UAAEEDN11200129695

×

SCAN SN

Meter Credit Read

▼

Listo para trabajar en el medidor:

UAAEEDN11200129695

START

×

Registro de comunicación

Opening port btPort...  
Session correctly open  
Sending Message Meter\_Prepared\_Configuration  
- readserial 1/7

+ NUEVO

DESCARGAR

Numero Serie

UAAEEDN11200129683

×

SCAN SN

Meter Credit Charge

▼

credito

123456

Listo para trabajar en el medidor:

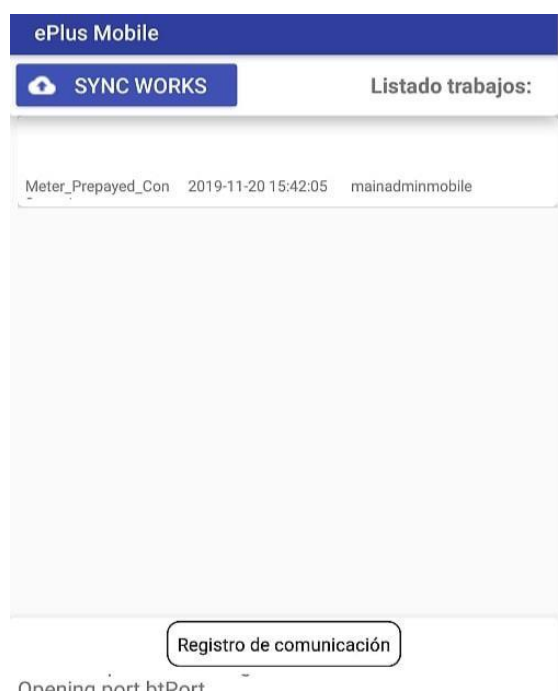
UAAEEDN11200129683

START

Registro de comunicación

## 6. Ejecutado

If during the activity there were problems on the data connection, the unfinished work can be recovered in the "**Ejecutado**" section.



Just click on **SYNC** and the orders are sent to be completed.  
At the end they will no longer be present in the list

# e-distribuzione

