



SMMePlus

Meter Outage Check

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Summary

The aim of this document is to describe the Meter Outage Check functionality in SMMePlus

Distribution List

Document target list

Name	Company

Document modifications

The following modifications refer to the old document versions.

Changes Description	Reference
First version	1.0

References

List of the documents

[1]

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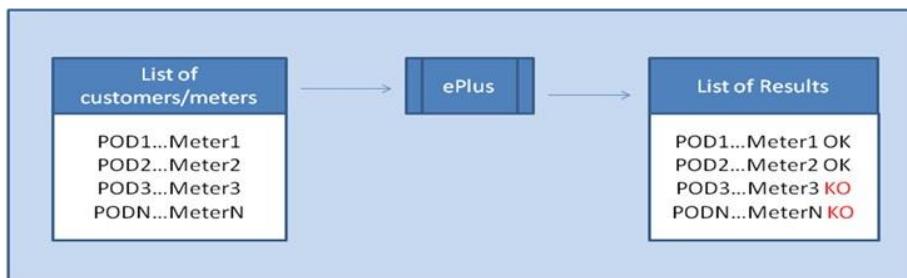
1. Introduction

1.1. Purpose

The aim of this document is to describe the Meter Outage Check functionality in SMMePlus.

The **Meter Outage Check** feature has been designed in order to allow the SMMePlus user to know in a short time the reachability status of a group of meters.

The system will get in input a list of meters and will show the result of the operation in a dedicated page. This feature can be useful for managing electrodependent clients.



2. Meter Outage Check process

2.1. Meter list upload

In the Technical Area of the system, under “Operation” tab and “Meter Operation”, the new page “Meter Outage Check” is available.

The screenshot shows the main navigation bar with the Enel logo and the title "SMM ePlus - SMART METERS MANAGER". Below the navigation bar, there are three main tabs: "Configuration", "Monitoring", and "Operation". The "Operation" tab is selected. On the left, a sidebar menu lists "Admin", "System", "Technical Area", "Commercial Area", and "Report". Under the "Technical Area" section, two sub-sections are visible: "Concentrator operations" and "Meter operations". Both sub-sections contain a link labeled "Concentrator operations" or "Meter operations" respectively.

This screenshot shows the expanded "Meter operations" section from the previous interface. The "Meter operations" link is highlighted with a blue border. Below it, there are three options: "ACM meter", "Send ACM meter commands", "Syncro meter", and "Meter outage check".

In this page the user has to upload a csv containing the list of meters.
The template of the csv can be downloaded clicking “Downloading csv model”.

The screenshot shows the SMM ePlus - SMART METERS MANAGER interface. On the left, there is a sidebar with icons for Admin, System, Technical Area, Commercial Area, and Report. The main area has tabs for Configuration, Monitoring, and Operation. In the Configuration tab, there are sections for Meter operations, ACM meter, Send ACM meter commands, Syncro meter, and Meter outage check. The Operation tab is active, showing a sub-section for Insert meters from file. It includes fields for Description (empty), Operation type (set to Insert), a 'load file' button, and a 'Download csv model' link. Below these, there is an example of a CSV entry: podname;serialnumber 116940;UAAEEDN11200129694.

When the uploading is complete, the message “Upload completed X items saved” will appear.

This screenshot is identical to the previous one, but it includes a message at the bottom right stating "Upload completed 8 items saved". The rest of the interface, including the sidebar, tabs, and configuration sections, remains the same.

The result and the status of the csv process is visible in Provisioning Dashboard

File type	User	Filename	Description	Count	KO count	Error code	Insert date	Operation
MeterOutageCheck	MainAd...	meteroutagecheck_tempalte2 - Copia.csv	test2_19-04	8	1	0	19-04-2019	Insert
MeterOutageCheck	MainAd...	meteroutagecheck_tempalte2.csv	test_error	8	4	0	19-04-2019	Insert
MeterOutageCheck	MainAd...	meteroutagecheck_tempalte2.csv	test1	8	1	0	19-04-2019	Insert
MeterOutageCheck	MainAd...	meteroutagecheck_tempalte2.csv	test 19-04 1	8	1	0	19-04-2019	Insert

In any error appears in “KO Count” columns, clicking on the error number in red it’s possible to download a csv file containing the reason for the ko.

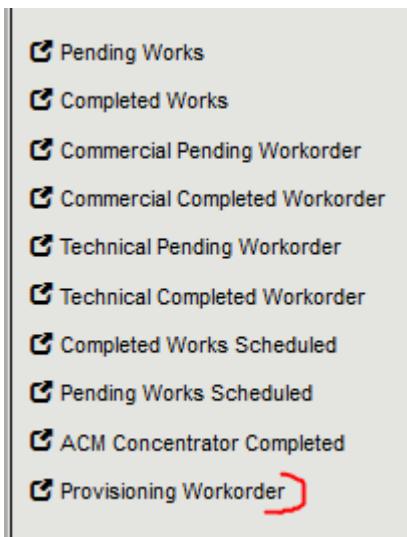
2.2. Process execution

For each meter in csv that has been validated, the system creates a technical Meter Outage Check workorder.

For this kind of activity, the system sends a single TB command for each meter.

Work and workorder can be monitored in Pending/Completed Works and Pending/Completed Technical Workorder reports.

In addition, it's available a dedicated report “Provisioning – Workorder” that shows the status of each workorder generated from a csv upload.



In “Provisioning – Workorder” report each group of meters to check can be identified in “description” column, that refers to the description of the uploaded csv.

file type	description	insertdate local	idworkorder	meter	usagepoint	concentrator	is error	error description	enddate local
MeterOutageCheck	test2_19-04	4/19/2019 11:22:20 AM	8225	UAAEEDN10100027220	VIOLATO007	VIOLATO1	✓		4/19/2019 11:22:48 AM
MeterOutageCheck	test2_19-04	4/19/2019 11:22:20 AM	8226	UAAEEDN11200129695	ROSSO0003	ROSSOT01	✓		4/19/2019 11:22:56 AM
MeterOutageCheck	test2_19-04	4/19/2019 11:22:20 AM	8227	UCAUEDN12400000364	VERDE0009	ROSSOT01	✓		4/19/2019 11:22:56 AM
MeterOutageCheck	test2_19-04	4/19/2019 11:22:20 AM	8228	UAAEEDN1300000743	GIALLO005	ROSSOT01	✗	[READ_METER_DATA_V2_10] [TB_ACK_15] NODE NOT REACHABLE	4/19/2019 11:22:58 AM
MeterOutageCheck	test2_19-04	4/19/2019 11:22:20 AM	8229	UAAEEDN11200129688	GIALLO006	GIALLOT01	✓		4/19/2019 11:22:58 AM
MeterOutageCheck	test2_19-04	4/19/2019 11:22:20 AM	8230	UAAEEDN14201700008	podtest	GIALLOT01	✓		4/19/2019 11:22:58 AM
MeterOutageCheck	test2_19-04	4/19/2019 11:22:20 AM	8231	UAAEEDN10100027236	GIALLO002	GIALLOT01	✓		4/19/2019 11:22:58 AM
MeterOutageCheck	test_error	4/19/2019 11:15:20 AM	8221	UAAEEDN10100027220	VIOLA0007	VIOLATO1	✓		4/19/2019 11:15:46 AM
MeterOutageCheck	test_error	4/19/2019 11:15:20 AM	8224	UAAEEDN10100027236	GIALLO002	GIALLOT01	✓		4/19/2019 11:15:48 AM
MeterOutageCheck	test_error	4/19/2019 11:15:20 AM	8222	UAAEEDN11200129695	ROSSO0003	ROSSOT01	✓		4/19/2019 11:15:50 AM
MeterOutageCheck	test_error	4/19/2019 11:15:20 AM	8223	UAAEEDN1300000743	GIALLO005	ROSSOT01	✗	[READ_METER_DATA_V2_10] [TB_ACK_15] NODE NOT REACHABLE	4/19/2019 11:15:51 AM

For each meter, a row is visible with the detail of the result.