MDMS *UPDATE*
~ METER DATA MANAGEMENT SYSTEM ~

US Army Corps of Engineers

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FROM THE PROGRAM MANAGER

Welcome to our August - September 2023 issue of the *Meter Data Management System Update (MDMS),* designed to keep you informed on the growth and latest developments of the Meter Data Management System and the Army Metering Program.

This issue focuses on several enhancements within MDMS. Our first article briefs the recent organizational changes. The MDMS Program team worked with AMC to realign the MDMS organizational structure to reflect current operations.

The second article focuses on the new look of both the Meter Status Rollup (MSRU) and Meter Status Details Report (MSDR). The MSRU no longer segregates the Gateway/Smart Server and SFTP reporting meters into two separate organizational structures. The MSDR has a new radio button on the parameters page for "ALL Meters" that enables users to retrieve the reporting status of all meters in the organization selected regardless of whether it is a Gateway or SFTP meter.

Our last article discusses the new billing rates for the Customer Billing module. The unit of "Therm" has been added for gas and the unit of "KGal" has been added for water.

As always, our mission is to improve the MDMS experience for end users. Your input is valuable, and we welcome your feedback via the Army Meter Service Desk (AMSD) at: cehnc-army-meter-help@usace.army.mil

NEW ORGANIZATIONAL STRUCTURE IN MDMS

The MDMS Program Team recently worked with AMC to re-align the organizational structure within MDMS to reflect current operations. To aid local installations in identifying areas to meter, all AMC sites were added to MDMS even if they do not have meters yet. The entire organizational structure can be accessed and viewed in the Meter Count Rollup Report, shown partially below and also briefed in the Feb—Mar 2023 newsletter. Installations should review and validate the sites with no meters. In the event that an existing meter needs to move to another site, please review with your AMC account representative and file a help desk ticket with the AMSD.

Meter Count Rollup   ⬇ Export to Excel

Organization	Total AMP Meters					Government Owned					Government-Hybrid Owned					UP Owned					UP-Hybrid Owned				
	All Meters	Electric Meters	Gas Meters	Water Meters	Steam Meters	All Meters	Electric Meters	Gas Meters	Water Meters	Steam Meters	All Meters	Electric Meters	Gas Meters	Water Meters	Steam Meters	All Meters	Electric Meters	Gas Meters	Water Meters	Steam Meters	All Meters	Electric Meters	Gas Meters	Water Meters	Steam Meters
USARC	1295	653	253	389	0	1294	653	253	388	0	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0
NGB	4551	2426	1176	934	15	4551	2426	1176	934	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AMC	20891	14683	4239	1941	28	14102	11019	2109	967	7	39	11	1	6	6	5834	3577	2129	128	0	916	76	0	840	0
IMCOM-TRAINING	5327	4498	454	368	7	2633	2166	220	240	7	0	0	0	0	0	2694	2332	234	128	0	0	0	0	0	0
IMCOM-READINESS	9656	5209	3202	1245	0	6406	4531	1470	405	0	1	0	1	0	0	2333	602	1731	0	0	916	76	0	840	0
IMCOM-SUSTAINMENT	2201	1732	342	127	0	1396	1089	180	127	0	0	0	0	0	0	805	643	162	0	0	0	0	0	0	0
IMCOM-EUROPE	1103	1025	13	65	0	1103	1025	13	65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JMC	592	461	131	0	0	592	461	131	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TACOM	797	686	68	43	0	795	686	66	43	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
AMCOM	110	106	4	0	0	110	106	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IMCOM-PACIFIC	1047	908	25	93	21	1009	897	25	87	0	38	11	0	6	21	0	0	0	0	0	0	0	0	0	0
CECOM	25	25	0	0	0	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SDDC	33	33	0	0	0	33	33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CMA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

METER STATUS ROLLUP AND DETAILS NEW LOOK

Both the Meter Status Rollup (MSRU) and Meter Status Details Report (MSDR) have a new look! The MSRU no longer segregates the Gateway/Smart Server and SFTP reporting meters into two separate organizational structures. As part of this change, a new Meter Type column was added to easily identify and distinguish between Gateway and SFTP reporting pathways at the Installation and Site levels. The new Meter Type field and some of the Installation entries are shown in the screenshot below.

Meter Status Rollup   Export to Excel

Organization	Meter Type	All Meters	Electric Meters	Gas Meters	Water Meters	Steam Meters	Metered Buildings	Metered SF	Renewable Energy Meters	Metered Renewable Energy Sources	Total Meters Assigned to Buildings	Total Meters Assigned to Site Only	Most Recent	Data Source/MDMS Status	Connectivity Report	% Last 30 Days Reporting Consistency
FORT IRWIN NTC	Gateway	0 of 243 current	0 of 238 current	0 of 2 current	0 of 3 current	0 of 0 current	195	2,693,262	0	0	216	27	2023-05-10 05:00		EEDRS server needs to be rebuilt Edit	Excluded
FORT POLK (FORT JOHNSON)	Gateway	292 of 342 current	225 of 251 current	61 of 75 current	6 of 16 current	0 of 0 current	221	5,767,332	0	0	341	1	2023-09-22 12:00		Edit	83.8
FORT RILEY	Gateway	346 of 389 current	241 of 278 current	47 of 52 current	58 of 59 current	0 of 0 current	254	8,034,263	0	0	389	0	2023-09-22 12:00		Edit	87.6
FORT RILEY	SFTP	221 of 263 current	0 of 0 current	221 of 263 current	0 of 0 current	0 of 0 current	261	6,767,322	0	0	263	0	2023-08-31 00:00		N/A	N/A
FORT STEWART	Gateway	101 of 226 current	72 of 162 current	17 of 23 current	12 of 41 current	0 of 0 current	118	3,824,831	0	0	226	0	2023-09-22 06:00		Edit	25.4
FORT STEWART	SFTP	596 of 602 current	596 of 602 current	0 of 0 current	0 of 0 current	0 of 0 current	547	7,791,496	0	0	602	0	2023-09-20 23:45		N/A	N/A
JOINT BASE LEWIS-MCCHORD	Gateway	594 of 841 current	465 of 588 current	105 of 219 current	24 of 34 current	0 of 0 current	424	14,647,177	0	0	826	15	2023-09-22 10:00		Edit	70.1
JOINT BASE LEWIS-MCCHORD	SFTP	632 of 665 current	0 of 0 current	632 of 665 current	0 of 0 current	0 of 0 current	617	18,086,678	0	0	655	10	2023-07-28 00:00		N/A	N/A
WHITE SANDS MISSILE RANGE	Gateway	0 of 230 current	0 of 138 current	0 of 83 current	0 of 9 current	0 of 0 current	117	2,502,165	0	0	229	1	2023-09-20 12:30		Edit	0.0

The MSDR has a new radio button on the parameters page for "ALL Meters" that enables users to retrieve the reporting status of all meters in the organization selected regardless of whether it is a Gateway or SFTP meter. The screenshot below shows a partial screenshot of one site's results. Note the Meter Type field out to the very right of the report. Also the Last Reported status summations at the bottom right have been updated to show both Gateway and SFTP on the combined report.

Site	Building	RPAUID	Meter	Description	Commodity	Most Recent	Reporting Interval	% Last 30 Days Reporting Consistency	% Last 60 Days Reporting Consistency	Last Reading	30-Day Data Quality	60-Day Data Quality	Meter Type
	1733 - STUDENT BARRACKS	585726	_BLDG_1733_METER_1		Electricity	Never Reported	15 min	0.0	0.0	0	Fail	Fail	Gateway
	2332 - EXCHANGE WAREHOUSE	618849	_BLDG_2332_METER_1		Electricity	Never Reported	15 min	0.0	0.0	0	Fail	Fail	Gateway
	750 - BATTALION HEADQUARTERS BUILDING	582158	_BLDG_750_METER_1		Electricity	6/15/2022 7:30:00 AM	15 min	0.0	0.0	155199.34375	Fail	Fail	Gateway
	842 - BATTALION HEADQUARTERS BUILDING	592474	_BLDG_842_METER_1		Electricity	4/11/2023 6:00:00 PM	15 min	0.0	0.0	120761.96875	Fail	Fail	Gateway
	11410 - Medium BN HQ Bldg	1106606	D_11410_WATER		Potable Water	8/31/2023 12:00:00 AM	1	N/A	N/A	0	N/A	N/A	SFTP
	11431 - Tactical Equipment Vehicle Facility	1246347	D_11431_WATER		Potable Water	8/31/2023 12:00:00 AM	1	N/A	N/A	0	N/A	N/A	SFTP

Showing 1 to 25 of 1,240 entries   First Previous 1 2 3 4 5 Next Last

- 933 30-Day Data Quality Pass
- 179 30-Day Data Quality Fail
- 128 30-Day Data Quality N/A

- 938 60-Day Data Quality Pass
- 174 60-Day Data Quality Fail
- 128 60-Day Data Quality N/A

Gateway
- 987 Last Reported <= 36 hours
- 2 Last Reported > 36 hours and <= 1 week
- 6 Last Reported > 1 week or Never Reported

SFTP
- 128 Last Reported (Monthly Intervals) <= 90 days
- 117 Last Reported (15/30/60-min & Daily Intervals) <= 7 days
- 0 Last Reported (Monthly Intervals) > 90 days
- 0 Last Reported (15/30/60-min & Daily Intervals) > 7 days

MDMS UPDATE

ADDITIONAL UNITS FOR CUSTOMER BILLING RATES

The Customer Billing module has been enhanced to support additional units for gas and water billing rates. The unit of "Therm" has been added for gas and the unit of "KGal" has been added for water. Both of these were user requested changes and screenshots of the updated Billing Rate Setup dialogs are shown below.

Billing Rate Setup (blended rate) for Gas

Billing Rate Setup (blended rate) for Water