

Standard Meter Interface

Quick Reference Guide

Version 24.x

Last Modified 24.0 | March 2024

Overview

This interface allows you to update a large volume of unit meters (primary and secondary) as well as the meter dates by uploading a data file for processing by M5 rather than entering this information manually one unit at a time.

Implementation

The data required for this interface consists of these data elements:

- Unit Number
- Meter (the primary meter)
- Meter Date (the primary meter date)
- Meter 2
- Meter 2 Date

If both meters are sent, the comma delimited text file would look like this:

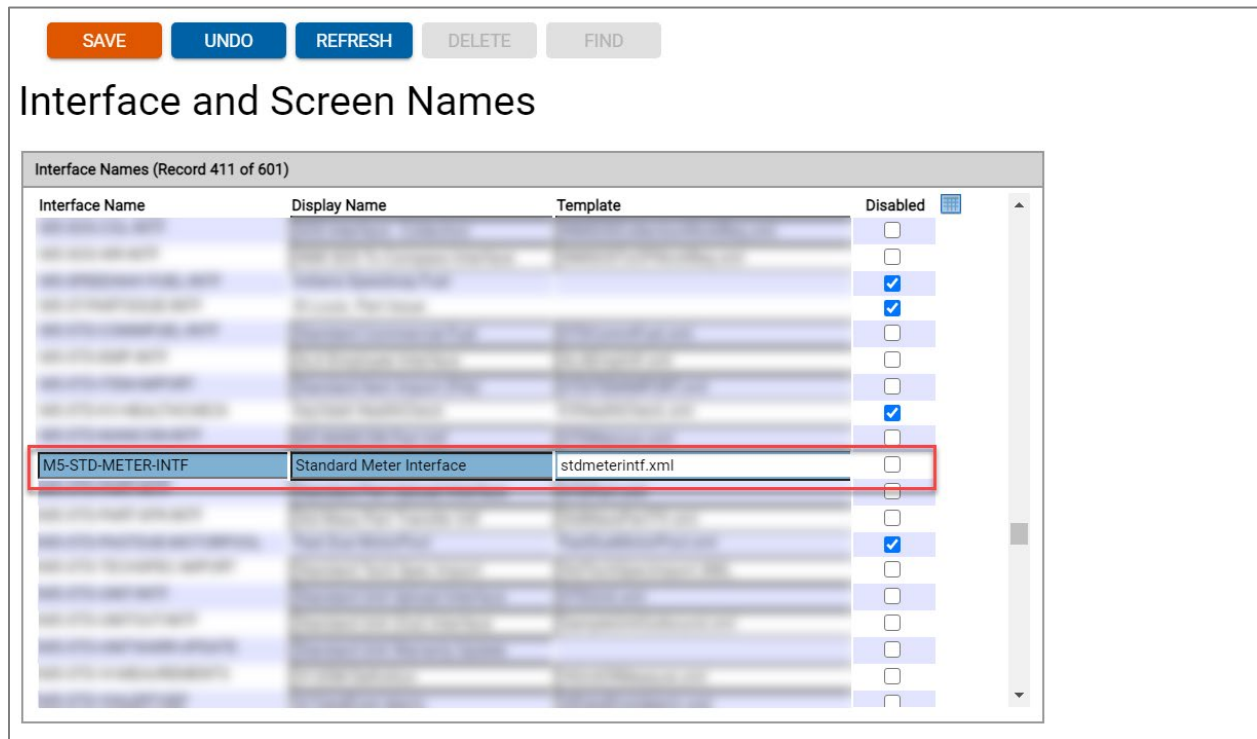
- Unit,meter,meter_date,meter2,meter2_date
- If only the primary meter is sent:
- Unit,meter1,meter1_date,,

If only meter two is sent:

- Unit,,,meter2,meter2_date

Interface and Screen Names

To run the interface, you must make sure the interface is enabled for use.



To verify:

1. Navigate to the Interface and Screen Names frame.
2. Scroll the list until you find **M5-STD-METER-INTF** on the list.
3. Make sure the **Disabled** checkbox is cleared.
4. If it is selected and you want to run the interface, clear the checkbox and select **SAVE**.

Interface Manager

After verifying that the interface is enabled for use, navigate to the **Interface Manager** frame. To locate the interface, select the dropdown menu to select it from the list or enter to find it quicker.

SAVEUNDOREFRESHDELETEFIND

Interface Manager

Interface:

Standard Meter Interface

standard meter

Standard Meter Interface

Number	Description	Value
1	INPUT FILE PATH	C:/M5/INTERFACEFILES/STDMETER/IN
2	OUTPUT FILE PATH	C:/M5/INTERFACEFILES/STDMETER/OUT
3	EMAIL	
4	FILE NAME	
5	OVERRIDE	Y
6	PROCESS VMS(Y/N)	

Refresh

Current Execution Schedule (Loaded 0 records)

ID	Description	Status	Schedule Date	Last Run	Frequency	Exclude Holidays	Submitted By	Run Desc
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Interface Parameters

SAVE
UNDO
REFRESH
DELETE
FIND

Interface Manager

Interface: Standard Meter Interface

Interface Parameters (Loaded 8 records)

Number	Description	Value
1	INPUT FILE PATH	C:/M5/INTERFACEFILES/STDMETER/IN
2	OUTPUT FILE PATH	C:/M5/INTERFACEFILES/STDMETER/OUT
3	EMAIL	
4	FILE NAME	
5	OVERRIDE	Y
6	PROCESS VINS/V/N	Y



Refresh



Current Execution Schedule (Loaded 0 records)

ID	Description	Status	Schedule Date	Last Run	Frequency	Exclude Holidays	Submitted By	Run Desc
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- The most recent set of saved parameters will load when the i-frame loads. Unlike some interface frames, you are not able to save different sets of parameters.
- To change any of the six values, enter the new information and select **SAVE**.

Interface Parameter Explanations

Parameter Name	Description	Required (Y/N)
INPUT FILE PATH	<p>File path where the input file will be found. Note: This path refers to the C: drive on the batch server.</p> <p> The directory name should not end with a “\”, and can either be a mapped drive (C:, Q:, etc.) or with a \\server name\share\directory format.</p>	Y
OUTPUT FILE PATH	<p>File path where the file will be moved upon completion of the interface. Note: This path refers to the C: drive on the batch server.</p> <p> The directory name should not end with a “\”, and can either be a mapped drive (C:, Q:, etc.) or with a \\server name\share\directory format.</p>	Y
EMAIL	Enter your email address. When the interface processes, you will receive a notification.	Y
OVERRIDE	Y/N to indicate if you want to override meter readings.	N

Parameter Name	Description	Required (Y/N)
PROCESS VINS (Y/N)	<p>When set to Y, this means to process the input file and interpret the unit number field as a VIN number and resolve it to a Unit Number.</p> <p> The interface can only do one or the other, not both. So, if this parameter is set to Y, it will only try to match to VIN numbers.</p>	N
TIMEZONE	<p>Set time zone for meter processing.</p> <p> Processing logic:</p> <ul style="list-style-type: none"> • If this parameter is set, the interface will use the offset for the given time zone to adjust all date/times in the import file. • If the parameter is blank, then the interface will get the time zone of the unit's parking location. • If the unit does not have a parking location set, then it will get the unit's maintenance location. It will adjust the import date/time by that time zone's offset. • If the unit does not have a parking location or maintenance location, then it will not adjust the date/time and save it as is. 	N
DATE FORMAT MM/DD/YYYY or DD/MM/YYYY	Date format parameter to support international date formatting.	N



The interface creates a program log file useful in case of program failure. By default, it will be in the M5\Interface\Logs directory.

File Data

- The data is contained in text file with the following layout.
- The data file will be pre-processed, data elements extracted and reformatted into an XML message which will then be sent to the interface.
- This allows you to use a variety of file formats.

Sample Data

Column	Column Name	Type	Field	Processing Decisions
1	Vehicle Number	Varchar2 – 10	Unit_No	Must be a valid M5 unit number (if VIN parameter is set to Y, value in this field will be matched to unit's VIN number)
2	Meter	Numeric	Meter	Validation based on expected period usage of the MCC for that Unit.
3	Meter TimeStamp	Date	Meter_Dt	Must be a valid date format. See date format parameter.
4	Meter 2	Numeric	Meter2	Validation based on expected period usage of the MCC for that Unit.
5	Meter Date 2	Date	Meter_Dt2	Must be a valid date format. See date format parameter.

Additional considerations:

- Unit Number must be a unit number in M5. If the unit is not valid, the transaction will be written the Interface Reject File for reprocessing.
- Meter entered will be validated based on M5's current meter validation component. The meter will have to pass meter update rules defined by the expected period usage on the MCC code of the related vehicle. Meter type, size and expected period usage (Min Usage, Max Usage) are all established on MCC frame. System Flag 1053 - Meter rollover limit % is used to check for a meter rollover condition.
- There is a parameter on the interface that will permit the meter to be overwritten based on the current M5 processing logic. If the parameter is set to Y, it will set meter on unit_dept_comp_main and meter_jnl. The override_meter_fl will be set to Y and meter_upd_udcm_fl will be set to Y.
- If the parameter is set to N, meters that don't pass M5's meter validation, the transaction will be written the Interface Reject File for reprocessing.

Current Execution Schedule

The i-frame displays the current execution schedule for this interface. Currently and previously scheduled runs along with their ID, Description, Status, Scheduled Date, Last Run Date, Frequency, Exclude Holidays, Submitted By and Run Desc display.

Refresh

Current Execution Schedule (Loaded 1 records)

ID	Description	Status	Schedule Date	Last Run	Frequency	Exclude Holidays	Submitted By
77032	M5-STD-PART-INTF	Scheduled	04/09/2020 12:22:07		Once	N	

Schedule Details

Run Interval: Once

Exclude weekends and holidays: ☐

First execution date/time:

Schedule / Reschedule

Schedule Details

Schedule Details

Run Interval:

Exclude weekends and holidays: ☒

First execution date/time:

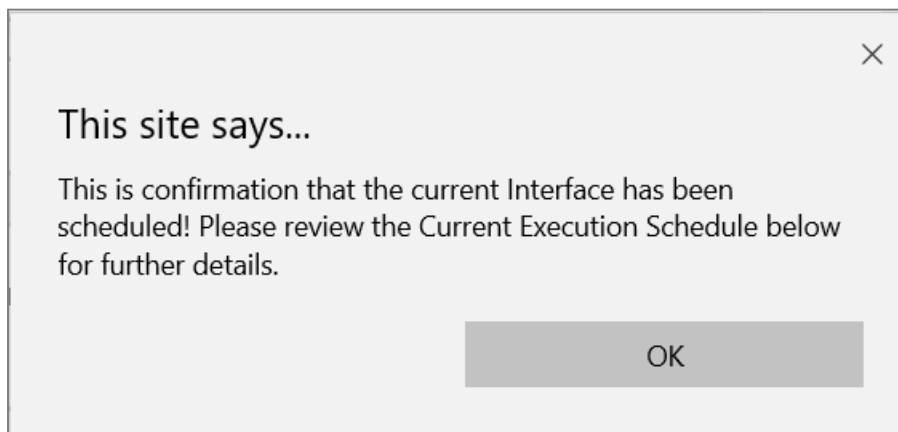
Schedule / Reschedule

To schedule the interface, enter schedule details.

- Select the run interval (Once, Minutes, Hours, Days, Months).
 - If only running once, right now, you can select **Once**, then select the **Schedule/Reschedule** button.
 - If you select Minutes, Hours, Days, or Months, enter a value for the interval in the **Run Interval** field that displays after selection is made.
- If you would like to exclude weekends and holidays from the run, then select the **Exclude weekends and holidays** checkbox.
- Enter a **First Execution Date/Time** from which the run interval value should apply.

4. When finished, select the **Schedule/Reschedule** button.

You will receive the following message:



The scheduled run appears on the **Current Execution** i-frame. It can also be viewed on the **System Run List of Jobs** frame.

To view interface rejects, see the **Interface Reject Manager** frame.

Interface Reject Manager

To view rejects for the Standard Part Upload interface, navigate to the Interface Reject Manager frame.

SAVE
UNDO
REFRESH
DELETE
FIND

Interface Reject Manager

Interface:

x 🔍

[Standard Part Upload Interface](#)

Interface Statistics (Loaded 6 records)

Stat ID	Run Date	Total Processed	Pass	Fail	Successful Reprocess	Elapsed Time In Hrs.

To locate the interface, select the dropdown menu to select it from the list or enter to find it quicker.

SAVE
UNDO
REFRESH
DELETE
FIND

Interface Reject Manager

Interface:

Standard Part Upload interface

Interface Statistics (Record 33 of 40)

Stat ID	Run Date	Total Processed	Pass	Fail	Successful Reprocess	Elapsed Time In Hrs.
77938	09/11/2017 15:07:37	1	1	0	0	0.00
77823	03/29/2017 07:35:37	2054	18	2036	0	0.04
77813	03/21/2017 07:14:35	1	0	1	0	0.00
77812	03/21/2017 06:57:39	38	2	36	0	0.00

Interface Rejects (Loaded 36 records)

Resubmit	Error Stat ID	Msg No	Type	Location	Part No	Manufacturer	Description	New/Used /Rebuilt	Unit Cost	SysCode	Component	ATA Part	Valid System on Job
<input type="checkbox"/>	77812	999	1	FM				Rebuilt					No
<input type="checkbox"/>	77812	999	1	FM				Rebuilt					No
<input type="checkbox"/>	77812	999	1	FM				Rebuilt					No
<input type="checkbox"/>	77812	999	1	FM				Rebuilt					No
<input type="checkbox"/>	77812	999	1	FM				Rebuilt					No

1. After selected, the **Interface Statistics** i-frame displays.
2. Select the **Stat ID** for the run you want to view and the **Interface Rejects** i-frame displays.
 - You can scroll to the bottom and select **Show All** in the last row to view all run statistics together. However, there is a limit on the amount of data M5 can display at one time.
3. If an **Error Msg No.** is available, you can hover over it with your mouse to display the message.
 - Example: 992 – PART DESCRIPTION exceeds maximum length of 30.
4. After you have made the necessary corrections in M5, you can select the **Resubmit** checkbox for each record you want to resubmit.
5. You can also delete any records you do not want to correct or resubmit.
6. Select **SAVE** to reprocess the rejected records.

Error Processing

If a transaction record fails to process (roll-over detected, reading is outside the system calculated average, invalid unit number, invalid meter date), the data transaction data (along with the error message) will be passed to the common FleetFocus M5 interface reject infrastructure.

The common FleetFocus M5 interface reject infrastructure includes interface statistic information (how many records processed, how many records failed, how many records were reprocessed, or how long did the interface run) as well as rejected transactions for each interface execution cycle.

Updates

Release	Section	Description
23.2	All sections	Applied miscellaneous writing style updates throughout the document.