

Account Coding Solution for Nicus Application (a.k.a M-PWR ME)

User Guide

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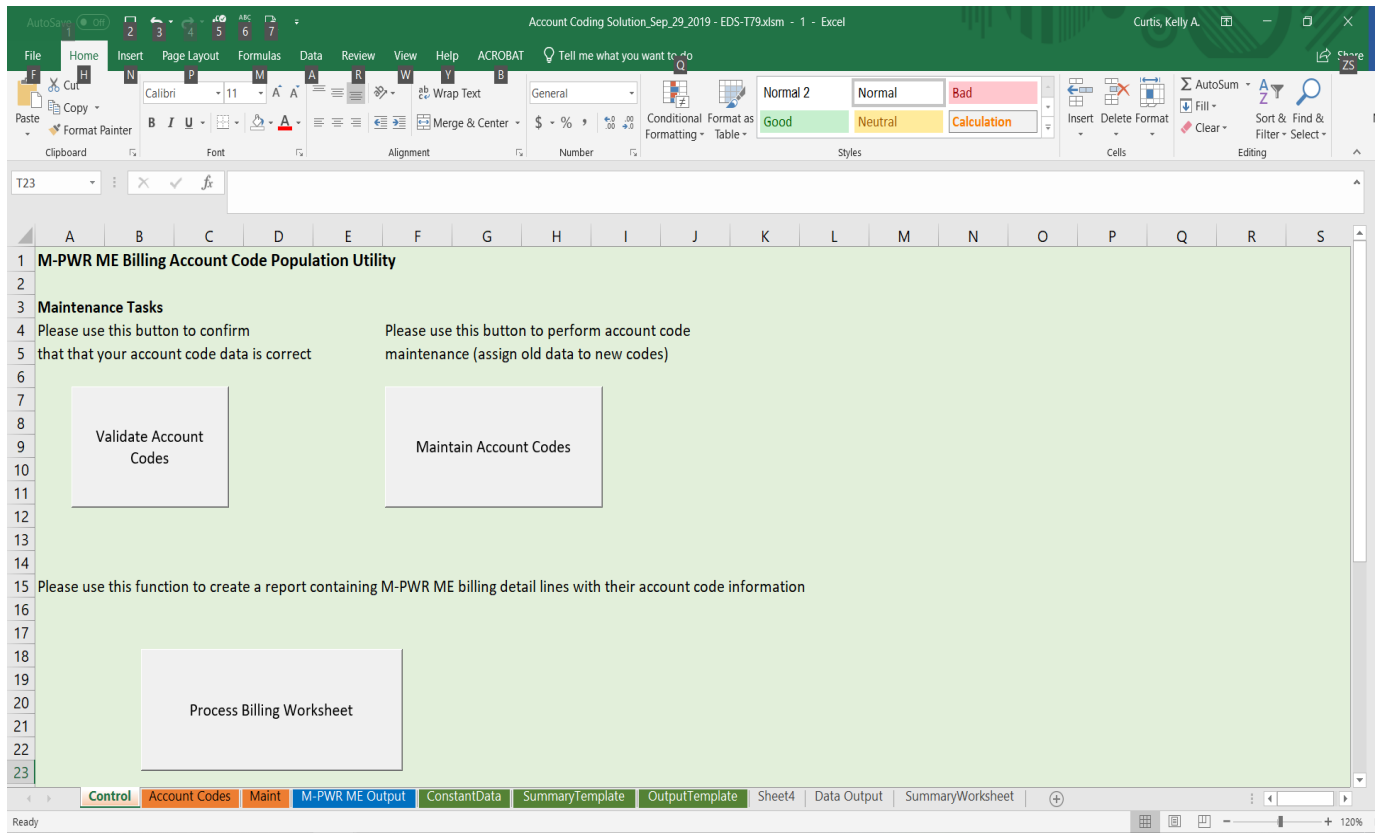
The Account Coding Solution (ACS) is used to:

- Find and assign the account coding for all billing lines
- Split billing charges into 2 or more account codes
- Maintain a list of active account codes for your agency
- Maintain any optional data you would like to track and report with your billing (i.e. budget template, office, in budget or not, etc.)
- Update/replace old product key(s) with new product key(s) for existing record(s) ~ *new*
- Summary output for bill processing ~ *new*

ACS is an excel spreadsheet macro solution. The workbook is divided into seven tabs:

- Control
- Constant Data
- Maintenance ~ *new*
- Account Codes
- M-PWR ME Output
- Summary Template ~ *new*
- Output Template

Control Tab



From this sheet you can:

- **Validate Account Codes** – This macro validates the Account Code information on the Account Codes sheet to ensure information was entered correctly for the Process Billing Worksheet function.
- **Maintain Account Codes** – This macro validates the Maintenance information on the Maintenance sheet to ensure information was entered correctly for the Account Codes sheet. ~ new
- **Process Billing Worksheet** – This macro runs the Validate Account Codes macro to ensure that all lines billed have appropriate account coding assigned. If there are no errors, this macro appends the Account Code data and any additional tracking data to the end of the bill detail lines producing the Data Output tab(s).

See [Account Codes Tab](#) for more information on the above processes.

Constant Data Tab

Item	Value	Note
Reference Data Worksheet	Account Codes	The sheet where your account code lookup data resides.
Bill Worksheet	M-PWR ME Output	The sheet where you paste the M-PWR ME Bill.350 report.
Product Key Column (1-Based)	19	The index of the "Product Key" column on the "M-PWR ME Output" sheet. The value entered here is required to be a number greater than or equal to 1
Missing Product Key Column (1-Based)	24	If the data in the product key column is missing, then the value from this column will be used instead
Charges Column (1-Based)	9	The index of the "Charges" column on the "M-PWR ME Output" sheet. The value entered here is required to be a number greater than or equal to 1
Rate Column (1-Based)	8	The index of the "Rate" column on the "M-PWR ME Output" sheet. The value entered here is required to be a number greater than or equal to 1
Bill Code Column (1-Based)	2	The index of the "Consumer" column on the "M-PWR ME Output" sheet. The value entered here is required to be a number greater than or equal to 1
Bill Code Parse Rule	P	The method used to extract the bill code from the "Consumer" data. If left blank this will use the raw value. The value "P" will find the value in parentheses and extract it.
Output Worksheet	Data Output	Name of Worksheet that will be created where the output will be recorded
TemplateOutput	OutputTemplate	Template worksheet of the output data. This sheet contains the headings for the combined 350 report with account code and custom data.
Number of custom fields	3	This represents the number of user defined fields in your Account Codes sheet. These fields will appear after the distribution in your output data.
Number of account fields	14	This represents the number of standard accounting fields in your Account Codes sheet. These are the standard fields common to all agencies. These will start on the second column of the Account Codes worksheet and encompass this many fields
Additional Columns to Include in Account Codes	24,12,20,4,5	Comma separated list of columns from the M-PWR output that will be appended to the hash information on the Account Codes Worksheet, in order to provide better information about the hash, allowing a simpler experience for the end user.
Quantity Column (1-Based)	7	The index of the "Quantity" column on the "M-PWR ME Output" sheet. The value entered here is required to be a number greater than or equal to 1
Create Summary	Y	Set to "Y" if you also want to produce the summary output worksheet
SummaryTemplate	SummaryTemplate	Template worksheet of the summary data
SummaryWorksheet	SummaryWorksheet	Name of Worksheet that will be created where the summary will be recorded
SummaryHeaderLinesToSkip	6	How many lines to keep blank for the summary header
Maintenance Sheet	Maint	The name of the sheet used for account code copying/maintenance
Internal Blank Value	(blank)	How blank account codes will show up in the output

This is a control values worksheet. It contains information that the excel macros utilize to process correctly. **These values should never be changed, unless** you decide to track more or less data than provided on the Account Codes tab; you decide to bring in other identifiable data from the M-PWR ME Output tab; you decide you do not want to create a summary worksheet; and/or you decide you want more or less space on the summary output tab for labeling above the accounting data. ~ new

To track more or less data, please see [Modifying Tracking Data](#).

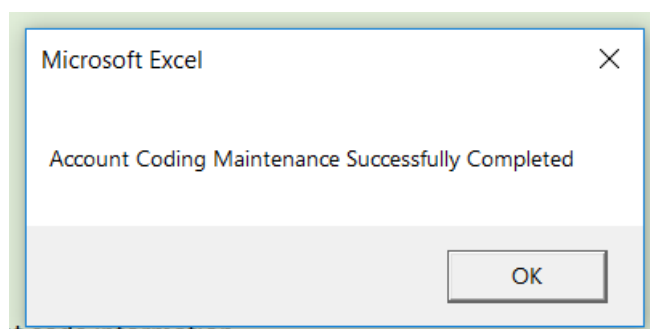
Maintenance Tab ~ new

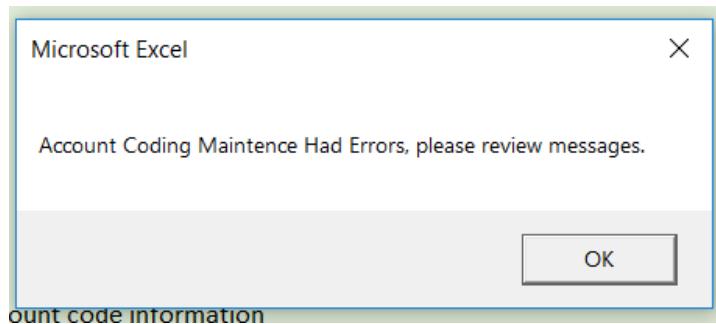
Old Product Key	New Product Key	Result	Complete
TtHcCjVczbJhaK1f5sAl0bxKpPhcChFIZc0oHPpPQ=	AbCdEjVczbJhaK1f5sAl0bxKpPhcChFIZc0oHPpPQ=	Complete!	Y
71ZjdOG/v1Y1O5NFh2KllyYjdf5/Alc0AngID4GwLjk=	dOg1/v1Y1O5NFh2KllyYjdf5/Alc0AngID4GwLjk=	Complete!	Y
luaxLYORHQBU/q101os5kFk/jdXafq2VvF3cuDIBL6k=	CA1LYORHQBU/q101os5kFk/jdXafq2VvF3cuDIBL6k=	Complete!	Y
rVhrQucDK1xEBSp/mCuqztzHUMHEgOUZ03fR8DzWvY=	IuCKYucDK1xEBSp/mCuqztzHUMHEgOUZ03fR8DzWvY=	Complete!	Y
9ugu5VOHf3vPwkAADGQkjy7xjrtCPHf1luGjy+/171=	01TWOFH3vPwkAADGQkjy7xjrtCPHf1luGjy+/171=	Complete!	Y
mecP8GITx8JshkAlKssdyfeTskvJrobRuQ8ZQDdow=	P8mEGITx8JshkAlKssdyfeTskvJrobRuQ8ZQDdow=	Complete!	Y
eLU4V3GbLQ1Lu2mKg6HYaB+XMRSEuLigMl8ZMqKLAo=	IUV4V3GbLQ1Lu2mKg6HYaB+XMRSEuLigMl8ZMqKLAo=	Complete!	Y
RGKOl67VmzZGfZ66WZ/368IMblRg4jicvzKWLqRCydI=	ADGOl67VmzZGfZ66WZ/368IMblRg4jicvzKWLqRCydI=	Complete!	Y
xU6bzZDygh/pl+H6r2m0JGdl90BNTbztV+b9VZpEI8=	kac6bzZDygh/pl+H6r2m0JGdl90BNTbztV+b9VZpEI8=	Complete!	Y
u6zx01FEnfwBu4ah9t9mp2vbdJmJwYFSRJ6k1hgtm7g=	nonoN01FEnfwBu4ah9t9mp2vbdJmJwYFSRJ6k1hgtm7g=	Complete!	Y
OE6jgTbxxzqsy0mvGafCUSVwNVxlvj0CumpoZyYMXg=	Ye56jgTbxxzqsy0mvGafCUSVwNVxlvj0CumpoZyYMXg=	Complete!	Y
I+alxr3NdxySEyz1NiEVCb43SO/Wu5D7nulfshQWVg=	mAyBEE3NdxySEyz1NiEVCb43SO/Wu5D7nulfshQWVg=	Complete!	Y
kcN8weso2x1MXIHwDpN0YKXJBLHJNunNQNWXVYq8=	kcN0eso2x1MXIHwDpN0YKXJBLHJNunNQNWXVYq8=	Complete!	Y
UDV4nHBJ3+ovWl7oKuKp9GGObz+Nq/s5uWviYezHo=	Dav4nHBJ3+ovWl7oKuKp9GGObz+Nq/s5uWviYezHo=	Complete!	Y
vvd/713xrPgeOnId1Asgj0DcccMozyBUriY2J/OKTF/s=	Ty/713xrPgeOnId1Asgj0DcccMozyBUriY2J/OKTF/s=	Complete!	Y
oUkcVYga/iQTS52Yz24bon9pFgas6mQ9JfRpPWL4Jsg=	M/EgcVYga/iQTS52Yz24bon9pFgas6mQ9JfRpPWL4Jsg=	Complete!	Y
AJ+EMVz4NQqg5bbkPGvC5Keumxn+Ubo8j6T+W50ynQg=	SlowMVz4NQqg5bbkPGvC5Keumxn+Ubo8j6T+W50ynQg=	Complete!	Y
i03L0fkdezL7/feoTcwCs5+7AQbo8YQLmr/Xazd9NQ=	fasL0fkdezL7/feoTcwCs5+7AQbo8YQLmr/Xazd9NQ=	Complete!	Y
LOy4zHMHUkKowRPLXvMzhZ00FhgsVTOUErk/TRJyZpc=	IcO4zHMHUkKowRPLXvMzhZ00FhgsVTOUErk/TRJyZpc=	Complete!	Y
I7Vx9g7uU9ub20dARFekjbvZmaufpjoD/x8606MooP4=	p71Jg7uU9ub20dARFekjbvZmaufpjoD/x8606MooP4=	Complete!	Y

This sheet is provided for the purpose of allowing you to copy the coding from one product key to another for an existing record in the Account Codes tab.

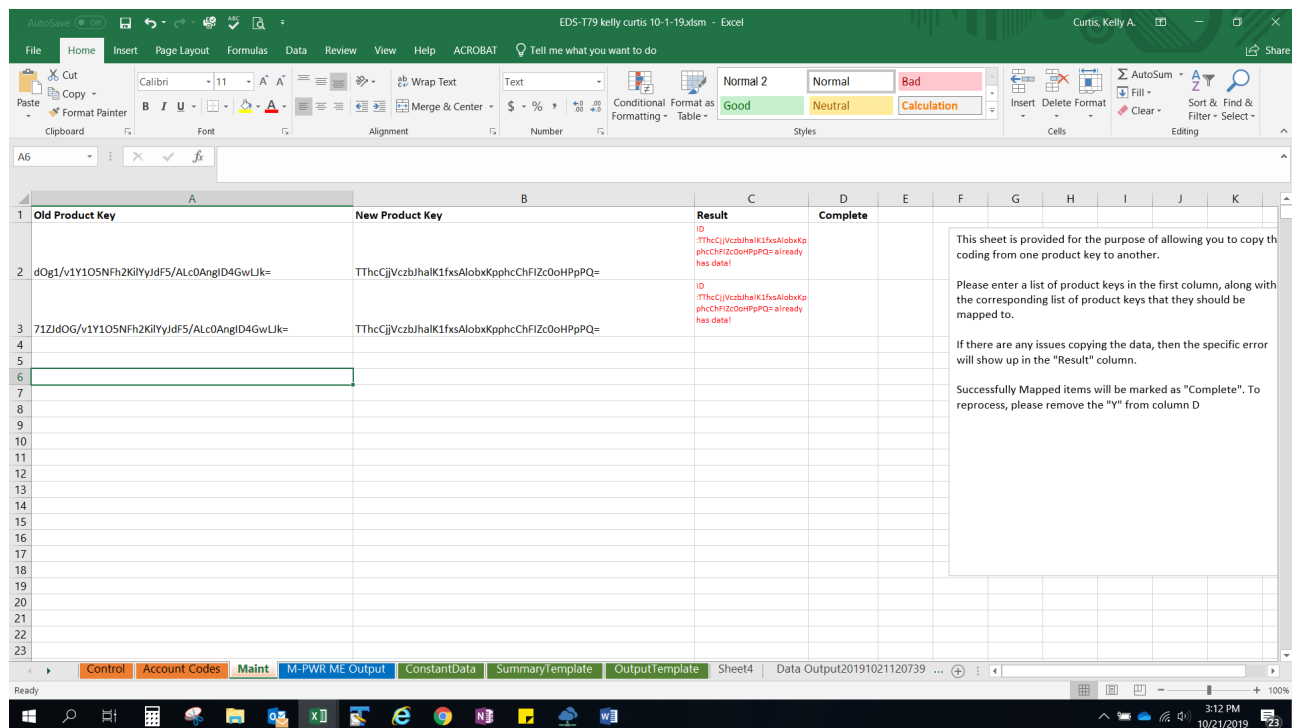
You will need to enter a list of old product keys in column A and then the corresponding list of new product keys that they should be mapped to in column B for existing record(s).

Go to the [Control](#) tab and click the Maintain Account Codes button. Upon receiving the message 'Account Coding Maintenance Successfully Completed' OR 'Account Coding Maintenance Had Errors, please review messages', go to the [Maintenance](#) tab.





Note: If there are any issues copying the data, then the specific error will show up in the "Result" column. Successfully Mapped items will be marked as "Complete". To reprocess, please remove the "Y" from column D.



Once you receive the message 'Account Coding Maintenance Successfully Completed' on the Control tab upon clicking the Maintain Account Codes button, the new product key will override and replace the old product key in the [Account Codes](#) tab.

Account Codes Tab

Product Key	Fund	Department	Unit	Sub Unit	Appropriation	Object	Activity	Task	Sub Task	Task Order	Major Program	Program	Program Period	Supplemental Account	Distribution	Rounding	Custom Data 1	Custom Data 2	Custom Data 3	Notes	Validation Messages	Line Item	Attribute 1	Metric 1	Service Category	Service
1	010	15A	1112	01	111201	5500	123	ABC	01	1	CFD123	TEST	F2019	1	100	Y	Augusta	Y	AB123			CALLCTR92431	Kinney, Ting			Call Center Queue Manag CALLCTR
2	010	15A	1112	01	111201	5500	123	ABC	01	1	CFD123	TEST	F2019	22A	100	Y	Gardiner	Y	CS			CALLCTR92432	Curry Green, H			Call Center Queue Manag CALLCTR
3	010	15A	1112	01	111201	5500	123	ABC	01	1	CFD123	TEST	F2019	2	100	Y	Bangor	N	DO1			CALLCTR92433	Canning, Trish			Call Center Queue Manag CALLCTR
4	010	15A	1112	01	111201	5500	123	ABC	01	1	CFD123	TEST	F2019	34	100	Y	Augusta	Y	AB123			CALLCTR92434	Ramsey, Loretta			Call Center Queue Manag CALLCTR
5	010	15A	1112	01	111201	5500	123	ABC	01	1	CFD123	TEST	F2019	A	100	Y	Gardiner	Y	CS			CALLCTR92435	Karagiamas, Mel			Call Center Queue Manag CALLCTR
6	010	15A	1112	01	111201	5500	123	ABC	01	1	CFD123	TEST	F2019	B	100	Y	Bangor	N	DO1			CALLCTR92436	Phat, Chien			Call Center Queue Manag CALLCTR
7	010	15A	1112	01	111201	5500	123	ABC	01	1	CFD123	TEST	F2019	C	100	Y	Augusta	Y	AB123			BUNDLEEMJ00FNJA8488	Robert Macdougall	65880		Device Bundling (Track II) BUNDLE
8	010	15A	1112	01	111201	5500	123	ABC	01	1	CFD123	TEST	F2019	d	100	Y	Gardiner	Y	CS			BUNDLEEMJ00FNJC0085	Tammy Harrington	67642		Device Bundling (Track II) BUNDLE
9	010	15A	1112	01	111201	5500	123	ABC	01	1	CFD123	TEST	F2019	e	100	Y	Bangor	N	DO1			BUNDLEEMJ00FNJD9857	Melissa A Langeman	68268		Device Bundling (Track II) BUNDLE
10	010	15A	1112	01	111201	5500	123	ABC	01	1	CFD123	TEST	F2019	f	100	Y	Augusta	Y	AB123			BUNDLEEMJ00FNJE7471	Christine A Pratt	67579		Device Bundling (Track II) BUNDLE
11	010	15A	1112	01	111201	5500	123	ABC	01	1	CFD123	TEST	F2019	g	100	Y	Gardiner	Y	CS			BUNDLEEMJ00FNJF7504	Trisha Canning	68570		Device Bundling (Track II) BUNDLE
12	010	15A	1112	01	111201	5500	123	ABC	01	1	CFD123	TEST	F2019	h	100	Y	Bangor	N	DO1			BUNDLEEMJ00FNJG7626	Deanna Long	76222		Device Bundling (Track II) BUNDLE
13	010	15A	1112	01	111201	5500	123	ABC	01	1	CFD123	TEST	F2019	i	100	Y	Augusta	Y	AB123			BUNDLEEMJ00FNJH9286	Paul Bourque	76057		Device Bundling (Track II) BUNDLE
14	010	15A	1112	01	111201	5500	123	ABC	01	1	CFD123	TEST	F2019	j	100	Y	Gardiner	Y	CS			BUNDLEEMJ00FNJI9120	Togus, Ya	67749		Device Bundling (Track II) BUNDLE
15	010	15A	1112	01	111201	5500	123	ABC	01	1	CFD123	TEST	F2019	k	100	Y	Bangor	N	DO1			BUNDLEEMJ00FNJJ6559	Anna Shea	62002		Device Bundling (Track II) BUNDLE
16	010	15A	1112	01	111201	5500	123	ABC	01	1	CFD123	TEST	F2019	l	100	Y	Augusta	Y	AB123			BUNDLEEMJ00FNJK2256	Jody Smith	66940		Device Bundling (Track II) BUNDLE
17	010	15A	1112	01	111201	5500	123	ABC	01	1	CFD123	TEST	F2019	m	100	Y	Gardiner	Y	CS			BUNDLEEMJ00FNJL8745	Heather Curry	67805		Device Bundling (Track II) BUNDLE
18	010	15A	1112	01	111201	5500	123	ABC	01	1	CFD123	TEST	F2019	n	100	Y	Bangor	N	DO1			BUNDLEEMJ00FNJM6589	Tammy Harrington	64340		Device Bundling (Track II) BUNDLE
19	010	15A	1112	01	111201	5500	123	ABC	01	1	CFD123	TEST	F2019	o	100	Y						BUNDLEEMJ00FNJN3445	Christophe Kampfer	63444		Device Bundling (Track II) BUNDLE
20	010	15A	1112	01	111201	5500	123	ABC	01	1	CFD123	TEST	F2019	p	100	Y						BUNDLEEMJ00FNJO6553	Tracy Kinney	62877		Device Bundling (Track II) BUNDLE
21	010	15A	1112	01	111201	5500	123	ABC	01	1	CFD123	TEST	F2019	q	100	Y						BUNDLEEMJ00FNJP6553	Tracy Kinney	62877		Device Bundling (Track II) BUNDLE
22	010	15A	1112	01	111201	5500	123	ABC	01	1	CFD123	TEST	F2019	r	100	Y						BUNDLEEMJ00FNJQ7626	Lynette E Ramsey	73840		Device Bundling (Track II) BUNDLE
23	010	15A	1112	01	111201	5500	123	ABC	01	1	CFD123	TEST	F2019	s	100	Y						BUNDLEEMJ00FNJR9076	Amelia Voth	67165		Device Bundling (Track II) BUNDLE
24	010	15A	1112	01	111201	5500	123	ABC	01	1	CFD123	TEST	F2019	t	100	Y						BUNDLEEMJ00FNJS9076	Sarah Sherman	67805		Device Bundling (Track II) BUNDLE
25	010	15A	1112	01	111201	5500	123	ABC	01	1	CFD123	TEST	F2019	u	100	Y						BUNDLEEMJ00FNJT9076	Quane, Henry	69547		Device Bundling (Track II) BUNDLE
26	010	15A	1112	01	111201	5500	123	ABC	01	1	CFD123	TEST	F2019	v	100	Y						BUNDLEEMJ00FNJU9076	Paul M Nelson	69203		Device Bundling (Track II) BUNDLE
27	010	15A	1112	01	111201	5500	123	ABC	01	1	CFD123	TEST	F2019	w	100	Y						BUNDLEEMJ00FNJV9076	Jack Stealey	69732		Device Bundling (Track II) BUNDLE
28	010	15A	1112	01	111201	5500	123	ABC	01	1	CFD123	TEST	F2019	x	100	Y						BUNDLEEMJ00FNJW9076	Breki, Moghee	69585		Device Bundling (Track II) BUNDLE
29	010	15A	1112	01	111201	5500	123	ABC	01	1	CFD123	TEST	F2019	y	100	Y						BUNDLEEMJ00FNJX9076	Steven D Lanning	69308		Device Bundling (Track II) BUNDLE
30	010	15A	1112	01	111201	5500	123	ABC	01	1	CFD123	TEST	F2019	z	100	Y						BUNDLEEMJ00FNJY9076	David A Richmond	68079		Device Bundling (Track II) BUNDLE
31	010	15A	1112	01	111201	5500	123	ABC	01	1	CFD123	TEST	F2019	aa	100	Y						BUNDLEEMJ00FNJZ9076	Laura Allen	69460		Device Bundling (Track II) BUNDLE
32	010	15A	1112	01	111201	5500	123	ABC	01	1	CFD123	TEST	F2019	ab	100	Y						BUNDLEEMJ00FNKA9076	Doreen Henry	69023		Device Bundling (Track II) BUNDLE
33	010	15A	1112	01	111201	5500	123	ABC	01	1	CFD123	TEST	F2019	ac	100	Y						BUNDLEEMJ00FNKB9076	Jerry M Smith	73759		Device Bundling (Track II) BUNDLE
34	010	15A	1112	01	111201	5500	123	ABC	01	1	CFD123	TEST	F2019	ad	100	Y						BUNDLEEMJ00FNKC9076	Karina Tarzette	67074		Device Bundling (Track II) BUNDLE
35	010	15A	1112	01	111201	5500	123	ABC	01	1	CFD123	TEST	F2019	ae	100	Y						BUNDLEEMJ00FNKD9076	Veneta Cerny	69585		Device Bundling (Track II) BUNDLE
36	010	15A	1112	01	111201	5500	123	ABC	01	1	CFD123	TEST	F2019	af	100	Y						BUNDLEEMJ00FNKE9076	Candice B Night	77602		Device Bundling (Track II) BUNDLE
37	010	15A	1112	01	111201	5500	123	ABC	01	1	CFD123	TEST	F2019	ag	100	Y						BUNDLEEMJ00FNKF9076	Glenis Roberts	74474		Device Bundling (Track II) BUNDLE
38	010	15A	1112	01	111201	5500	123	ABC	01	1	CFD123	TEST	F2019	ah	100	Y						BUNDLEEMJ00FNKG9076	Breki, Moghee	69585		Device Bundling (Track II) BUNDLE
39	010	15A	1112	01	111201	5500	123	ABC	01	1	CFD123	TEST	F2019	ai	100	Y						BUNDLEEMJ00FNKH9076	Melissa J Veston	68487		Device Bundling (Track II) BUNDLE
40	010	15A	1112	01	111201	5500	123	ABC	01	1	CFD123	TEST	F2019	aj	100	Y						BUNDLEEMJ00FNKI9076	Rabecca Labonte	64325		Device Bundling (Track II) BUNDLE
41	010	15A	1112	01	111201	5500	123	ABC	01	1	CFD123	TEST	F2019	ak	100	Y						BUNDLEEMJ00FNKJ9076	Glenis Roberts	62024		Device Bundling (Track II) BUNDLE
42	010	15A	1112	01	111201	5500	123	ABC	01	1	CFD123	TEST	F2019	al	100	Y						BUNDLEEMJ00FNKK9076	Scott Brown	69895		Device Bundling (Track II) BUNDLE

This sheet contains the account coding for the billing detail. The data on this sheet is:

Product Key - Each bill line/record from the M-PWR ME Output tab will contain a unique product key. The product key can be found in the attribute 5 column. The data must be pulled from Nicus via the Bill.350 report. Upon the report rendering on screen, you must open this report as on the Nicus Bill.350 report. This report is downloaded from Nicus by opening up as a CSV and is in input into the account Coding Solution. See M-PWR ME Output Sheet for more information.

Your agency's Advantage accounting fields, including but not limited to:

Fund – Department – Unit (formerly report org) - Sub Unit –Appropriation – Object – Activity – Task - Sub Task - Task Order – Major Program – Program – Program Period – Supplemental Account

Note: Since agencies and service centers do their accounting differently, none of the above Advantage account code fields are required. On the account codes tab, required data elements are denoted by their yellow background on their column header (product key, distribution and rounding flag are required).

Distribution – Specifies how to distribute/allocate the billed line amount into the account codes. If the amount is to be billed to just one account, specify 100 for the distribution value.

If the amount is to be billed to 2 or more accounts:

- enter the percentage that is allocated to this account as a whole number (i.e. 10% equals 10),
- ensuring that the total percentage for all accounts the billed amount is distributed to equals 100.

Rounding Flag – If the billing charge will not be split, set the rounding flag to be the single line of coding by entering a 'X'. For billing charges that are split between multiple accounts, set the rounding flag for the one account you want to receive the rounded amount.

Custom Data 1, 2 and 3 – If you would like to track additional data than the data on the Account Code tab, here is where you can do this. These 3 custom data fields can be used to store numeric or alphanumeric data. You can also add additional columns or subtract these columns. To do that please see [Modifying Tacking Data](#).

Notes – You can enter whatever notes you would like.

Validation Message – This is the column that will contain the error message if there are any errors in your Account Codes sheet.

Five columns of identifiable data for each unique product key: ~ *new*

This data is automatically pulled from the M-PWR ME Output tab. The line item (unique to each bill line/record). The attribute 1 column lists the names (such as end user, server, database), metric 1 lists the footprint ticket number (latest/most recent ticket), service category and service code.

Recommendations/Guidance:

After you update the Account Codes sheet, you should validate it. To do that, click on the Control Sheet tab and click on the 'Validate Account Codes' box. For further instructions, please see [Validating the Account Codes tab](#).

Note: Because agency account coding varies, no Advantage account code fields are required.

M-PWR ME Output Tab

Period	Consumer	Level	Service Category	Service	Quant	Rate	Charges	Disput	Dispute	Attribute	Resource	Email	Add Metric	Attribute 3	Attribute 4	Attribute 5
201803	Administrative - Defe 15A	Device Bundling (Track It)	BUNDLEB	1	130.78	130.78	<a href="CB/D douglas.a.farnham			Desktop	DVEMCDA1P	87136	ibTM519A			
201803	Administrative - Defe 15A	Device Bundling (Track It)	BUNDLEB	1	130.78	130.78	<a href="CB/D multi-user			Desktop	DVEMCDA1P	89085	HZ/nm3n			
201803	Administrative - Defe 15A	Device Bundling (Track It)	BUNDLEB	1	139.11	139.11	<a href="CB/D scott.a.young			Laptop	DVEMCT1AL	90372	dph6KDY			
201803	Administrative - Defe 15A	Office 365 (Commitments)	AD-ONLY	2	9	18	<a href="CB/D	1								
201803	Administrative - Defe 15A	Office 365 (Net New)	G3NN	3	37.69	113.07	<a href="CB/DisputeInitHome.aspx?CONSUMER=18B15ADVEM&Service=G3NN" target="_t	36U7kc5s								
201803	Administrative - Defe 15A	Office 365 (Users)	G3I	1	0	0	<a href="CB/D Douglas.A.Farnham			Douglas.A.DVEM-G3	Daniel.Gooi	0qaWlkw				
201803	Administrative - Defe 15A	Office 365 (Users)	G3I	1	0	0	<a href="CB/D Scott.A.Young			Scott.A.Yc.DVEM-G3	Daniel.Gooi	xTeB0Cr1				
201803	Administrative - Defe 15A	Secure Remote Access	SECURERA	1	4.76	4.76	<a href="CB/D Douglas.A.Farnham			10/20/201 SystemDom	8F0F9974FE	Gvvo2be				
201803	Administrative - Defe 15A	Secure Remote Access	SECURERA	1	4.76	4.76	<a href="CB/D Melissa.Willette			11/28/201 SystemDom	CA4CAF795	AtytQ/tE				
201803	Administrative - Defe 15A	Secure Remote Access	SECURERA	1	4.76	4.76	<a href="CB/D Scott.A.Young			1/25/2017 SystemDom	1039F4D410	6kzTgSN				
201803	Adult Education (18B)05A	Device Bundling (Track It)	BUNDLEB	1	139.11	139.11	<a href="CB/D donald.marino			Laptop	DOE-CT1ALT	94942	mVaHfRC			
201803	Adult Education (18B)05A	Device Bundling (Track It)	BUNDLEB	1	139.11	139.11	<a href="CB/D gail.senese			Tablet PC	DOE-CT1ATB	90637	DPuBjbu			
201803	Adult Education (18B)05A	Office 365 (Users)	G3I	1	0	0	<a href="CB/D Abigail.Manahan			Abigail.M.DOE-G3	jeff.mao	#3-SHxFZFpN				

This tab contains the input file for ACS and the account coding process. The input file is the BILL.350 Billing Details by Consumer and Service Report that is exported into a CSV file from Nicus (a.k.a. M-PWR ME).

To load the Bill.350 data into the ACS spreadsheet tab labeled M-PWR ME Output:

- View the Bill.350 report for the most current billing period within Nicus (a.k.a. M-PWR ME)
- Click on the 'Open in CSV' option in the upper left-hand side of the screen
- Save the CSV file
- Open your latest ACS workbook
- Go back to the CSV file you just saved that contains your Bill.350 data
- Copy all data (excluding row 1 – column headers) from the Bill.350 report that opened and saved as a CSV to the ACS workbook on the tab labeled M-PWR ME Output (overlying the existing data) in the ACS workbook.

Note: Product key values are located in the Attribute 5 column.

For most services:

- Metric 1 column contains the footprints ticket associated with providing the service
- Attribute 1 column contains the name of the person who received the service

Output Template Tab

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	Period	Consumer	Level 1	Service Categ	Service	Quantity	Rate	Charges	Dispute	Dispute ID	Attribute 1	Resource	Email Address	Metric 5
2														
3														
4														
5														
6														
7														
8														
9														
10														
11														
12														
13														
14														
15														
16														
17														
18														
19														

This tab lists the headings of the output columns which will be displayed on the report generated to the [Data Output](#) tab. If you are using the custom data fields, change their headings on this tab to a label that reflects your usage of the columns. Account code and custom data fields can be found by scrolling to the right.

Data Output Tab

Period	Consumer	Level 1	Service Category	Service	Quantity	Rate	Charges	Dispute	Dispute ID	Attribute 1	Resource	Email Address	Metric 5
201803		15A	Device Bundl	BUNDLEB	1	50	50		<a href="CB/DisputeInitHome.as douglas.a.farnham				CHARGE1
201803		15A	Device Bundl	BUNDLEB	1	130.78	130.78		<a href="CB/DisputeInitHome.as multi-user				CHARGE2
201803		15A	Device Bundl	BUNDLEB	1	120	120		<a href="CB/DisputeInitHome.as scott.a.young				CHARGE3
201803		15A	Device Bundl	BUNDLEB	1	120	120		<a href="CB/DisputeInitHome.as scott.a.young				CHARGE3
201803		15A	Device Bundl	BUNDLEB	1	120	120		<a href="CB/DisputeInitHome.as scott.a.young				CHARGE3
201803		15A	Device Bundl	BUNDLEB	1	100	100		<a href="CB/DisputeInitHome.as scott.a.young				CHARGE4
201803		15A	Device Bundl	BUNDLEB	1	100	100		<a href="CB/DisputeInitHome.as scott.a.young				CHARGE4
201803		15A	Device Bundl	BUNDLEB	1	100	100		<a href="CB/DisputeInitHome.as scott.a.young				CHARGE4
201803		15A	Device Bundl	BUNDLEB	1	80	80		<a href="CB/DisputeInitHome.as scott.a.young				CHARGE5
201803		15A	Device Bundl	BUNDLEB	1	80	80		<a href="CB/DisputeInitHome.as scott.a.young				CHARGE5
201803		15A	Device Bundl	BUNDLEB	1	80	80		<a href="CB/DisputeInitHome.as scott.a.young				CHARGE5
201803		15A	Office 365 (C	AD-ONLY	2	9	18		<a href="CB/DisputeInitHome.as	1.00			CHARGE6
201803		15A	Office 365 (N	G3NN	3	37.69	113.07		<a href="CB/DisputeInitHome.aspx?CONSUMER=18B15ADVEM&Service=G3				CHARGE7
201803		15A	Office 365 (U	G3I	2	37.69	75.38		<a href="CB/DisputeInitHome.as Douglas.A.Farnham				CHARGE8
201803		15A	Office 365 (U	G3I	4	37.69	150.76		<a href="CB/DisputeInitHome.as Scott.A.Young				CHARGE9
201803		15A	Office 365 (U	G3I	4	37.69	150.76		<a href="CB/DisputeInitHome.as Scott.A.Young				CHARGE9
201803		15A	Secure Remo	SECURERA	1	4.76	4.76		<a href="CB/DisputeInitHome.as Douglas.A.Farnham				CHARGE10
201803		15A	Secure Remo	SECURERA	1	4.76	4.76		<a href="CB/DisputeInitHome.as Douglas.A.Farnham				CHARGE10

This tab shows your final report containing the data from Bill.350 report with account coding and custom data appended at the end of each row.

Once these Data Output reports are generated, they should be saved either as separate workbooks or as separate sheets within a workbook. The dispute column can only be utilized within Nicus (a.k.a. M-PWR ME); therefore, we recommend deleting this column from your copy of the final data output report.

Considerations:

A separate excel sheet is created each time you click on 'Process Billing Worksheet'.

When you run the "Process Billing Worksheet" process, the macro process first copies the Data Output sheet to a new worksheet named Data OutputYYYYMMDDHHMMSS where YYYYMMDD equals the current date and HHMMSS equals the current time. It then copies the contents of the Output Template with the Account Codes information appended on the end of each line to the Data Output sheet.

We recommend you delete previously created Output sheets that you do not want to keep.

Summary Worksheet Tab ~new

AutoSave (0.0s) | EDS-T79 kelly curtis 10-1-19.xlsx - Excel | Share

File | Home | Insert | Page Layout | Formulas | Data | Review | View | Help | ACROBAT | Tell me what you want to do

Cut | Copy | Paste | Format Painter | Clipboard

Calibri | 11 | Bold | Italic | Underline | Font Color | Background Color | Font

Wrap Text | Merge & Center | Alignment

General | Conditional Formatting | Format as Table | Number | Styles

Normal 2 | Normal | Bad | Good | Neutral | Calculation | Cells

Insert | Delete | Format | AutoSum | Fill | Clear | Sort & Find & Filter | Select | Editing

A1

Line	Accounting String	Fund	Department	Unit	Sub Unit	Appropriation	Object	Activity	Task	Sub Task	Task Order	Mjr Program	Program	Program Period	Supplemental Account	Total Amount
1	01015A1112011112010	15A	1112	01	111201	5500	123	ABC	01	1	CFD123	TEST	F2019			\$1,837.21
2	01315A0002020002013	15A	0002	02	000202	5000										\$3,977.56
3	09915A9999019999099	15A	9999	01	999901	5600										\$6,837.38
4	05015A7676997676050	15A	7676	99	767699	5200										\$1,934.04
Total:															\$14,586.19	

Signature

Date

ConstantData | SummaryTemplate | OutputTemplate | Sheet4 | Data Output | SummaryWorksheet

Ready | 10:58 AM 10/21/2019 | 100%

This tab shows your final report summarizing total amount due by account code(s). The information is pulled from the account codes tab and the data output tab.

Once these Summary Worksheet reports are generated, they should be saved either as separate workbook or as separate sheet within a workbook.

Considerations:

A separate excel sheet is created each time you click on 'Process Billing Worksheet'.

When you run the "Process Billing Worksheet" process, the macro process first copies the Summary Worksheet sheet to a new worksheet named SummaryWorksheetYYYYMMDDHHMMSS where YYYYMMDD equals the current date and HHMMSS equals the current time. It then copies the contents of the Account Codes information with the information from the Data Output sheet.

We recommend you delete previously created SummaryWorksheet sheets that you do not want to keep.

Validating the Account Codes tab

After you update your Account Codes Worksheet, you should validate it. Go to the Control Tab and Click on the 'Validate Account Code' box.

If there are errors on the Account Codes sheet, the following error message will be displayed:



After you click the OK button on this error, click on the Account Codes tab to see what errors were generated. Error messages are listed in the "Validation Messages" column.

Validation Performed:

Ensures the total distribution for a product key adds up to 100. If total allocations sum to more or less than 100, the error message '**M: Distribution does not add up to 100**' is generated for each row of the product key in error.

Ensures that one of the rounding flags is indicated for each product key. If the rounding flag has not been selected for a product key, or more than one rounding flag has been selected for the same product key, the error message '**M: Product Key should have exactly one rounding flag**' is generated for each row of the product key in error.

An example of both errors follow.

ACS Billing 6-12-18 - Excel

File Home Insert Page Layout Formulas Data Review View Add-ins Tell me what you want to do

Clipboard Font Alignment Number Styles Cells Editing

Calibri 11 A A Wrap Text

Conditional Formatting Table Styles Insert Delete Format

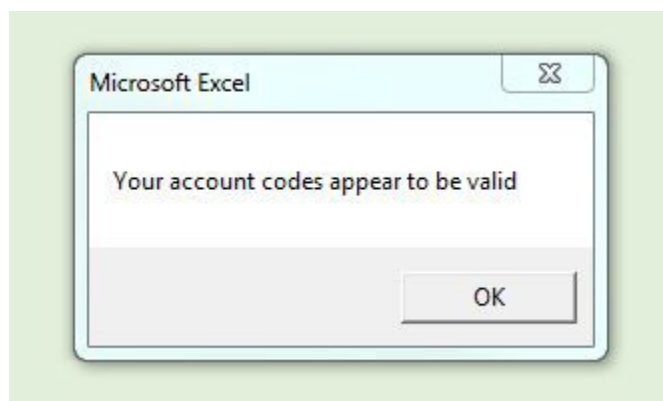
AutoSum Fill Sort & Find & Filter Select

Product Key

H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
Activity	Task	Sub Task	Task Order	Mjr Program	Program	Program Period	Supplemental	Distribution	Rounding Flag	Custom Data 1	Custom Data 2	Custom Data 3	Notes	Validation Messages
1	1	10	2	3			1	70	X	Sanford		CD3		
2	1	10	2	3	MRP		22A	30		Sanford	Y	CD4		
3	1	10	2	3		ABC	F2018	2	100	Augusta		CD5		M: Product Key should have exactly one rounding flag
4	1	10	2	3			3	70		Portland	Y	CD6		M: Product Key should have exactly one rounding flag M: Distribution does not add up to 100
5	1	10	2	3			4	15		Portland	Y	CD7		M: Product Key should have exactly one rounding flag M: Distribution does not add up to 100
6	1	10	2	3			5	10		Portland	Y	CD8		M: Product Key should have exactly one rounding flag M: Distribution does not add up to 100
7	1	10	2	3		ABC	F2018	f	100	X	Biddeford	Y	CD9	
8	1	10	2	3		ABC	F2018	g	100	X	Bangor	N	CD10	
9	1	10	2	3		ABC	F2018	h	100	X	Bangor	?	CD11	
10	1	10	2	3		ABC	F2018	j	100	X	Biddeford	Y	CD12	
11	1	10	2	3			k	60	X	Bangor	N	CD13		
12	1	10	2	3		CSEP	F2018	lk	40		Bangor	N	CD14	
13	1	10	2	3		ABC	F2018	lg	100	X	Bangor	Y	CD15	
14	1	10	2	3		ABC	F2019	k	100	X	Bangor	Y	CD16	
15	1	10	2	3			k	100	X	Bangor	Y	CD17		
16	1	10	2	3			jk	100	X	Bangor	Y	CD18		
17	1	10	2	3		ABC	F2022	hj	100	X	Bangor	Y	CD19	
18	1	10	2	3		ABC	F2023	hj	100	X	Bangor	Y	CD20	
19	1	10	2	3		ABC	F2024	hj	100		Y	CD21		

Control ConstantData Account Codes M-PWR ME Output OutputTemplate Da ...

If there are no validation errors on the Account Codes sheet, you will get the following message:

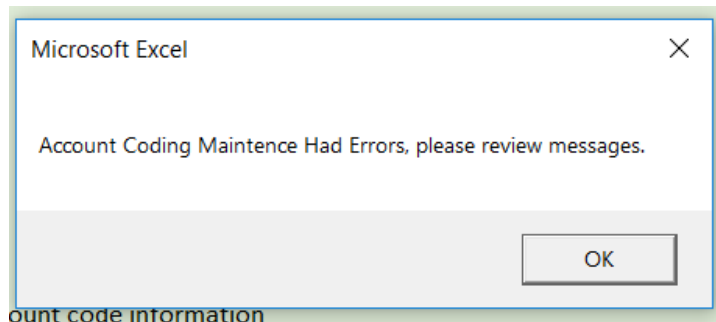


You are now ready to generate your report with account code information.

Validating the Maintenance tab ~ *new*

After you update your Maintenance Worksheet, you should validate it. Go to the Control Tab and Click on the 'Maintain Account Codes' box.

If there are errors on the Maintenance sheet, the following error message will be displayed:



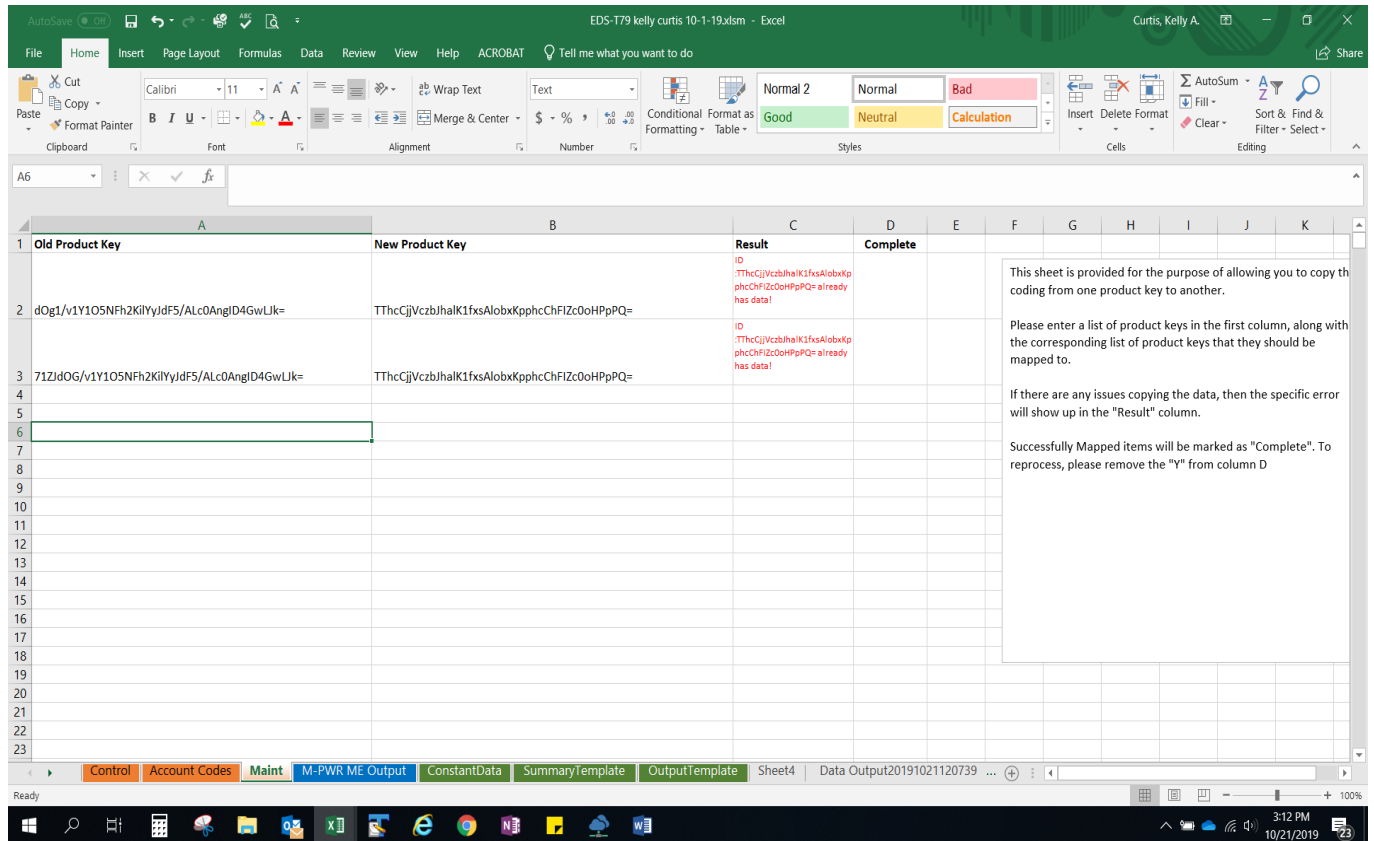
After you click the OK button on this error, click on the Maintenance tab to see what errors were generated. Error messages are listed in the "Results" column.

Validation Performed:

Ensures that the coding from one product key to another successfully maps. If the coding does not map, the error message will be displayed in the 'Result' column on the Maintenance tab and the old product key on the Account Codes tab will not change.

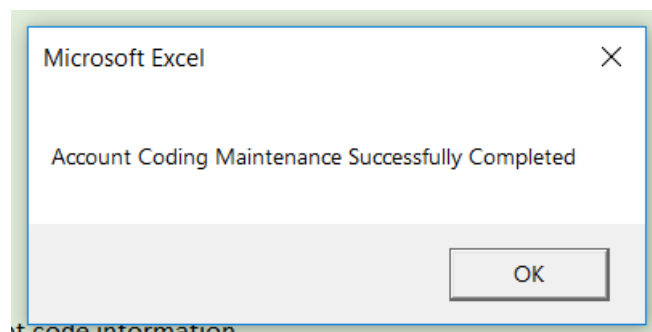
Ensures that the old product key is replaced with the new product key.

An example of the error is as follows.



Successfully Mapped items will be marked as "Complete". To reprocess, please remove the "Y" from column D.

If there are no validation errors on the Maintenance sheet, you will get the following message:



You are now ready to generate your report with account code information.

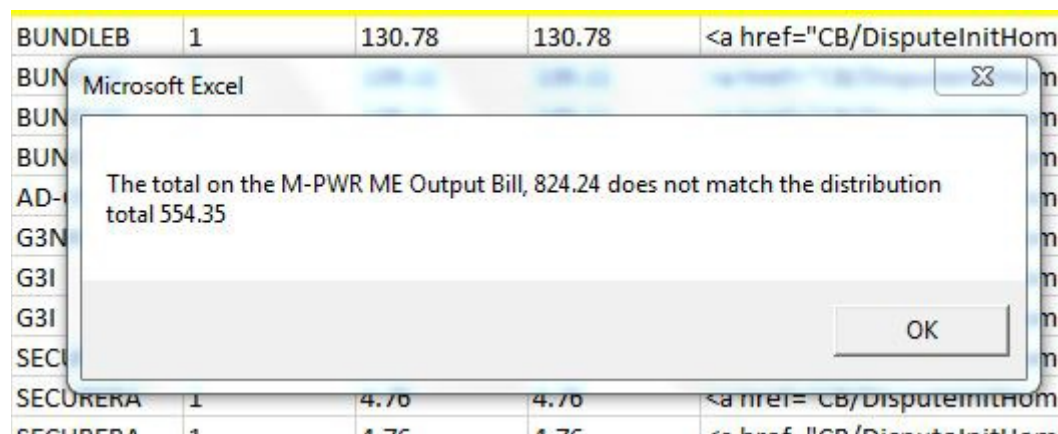
Process Billing Worksheet:

After you have downloaded the Nicus (a.k.a. M-PWR ME) Bill.350 report to a CSV and copied/pasted values (all data except row 1) it to the ACS tab labeled M-PWR ME Output, you are ready to identify new billing line items and/or apply account codes to the billing detail.

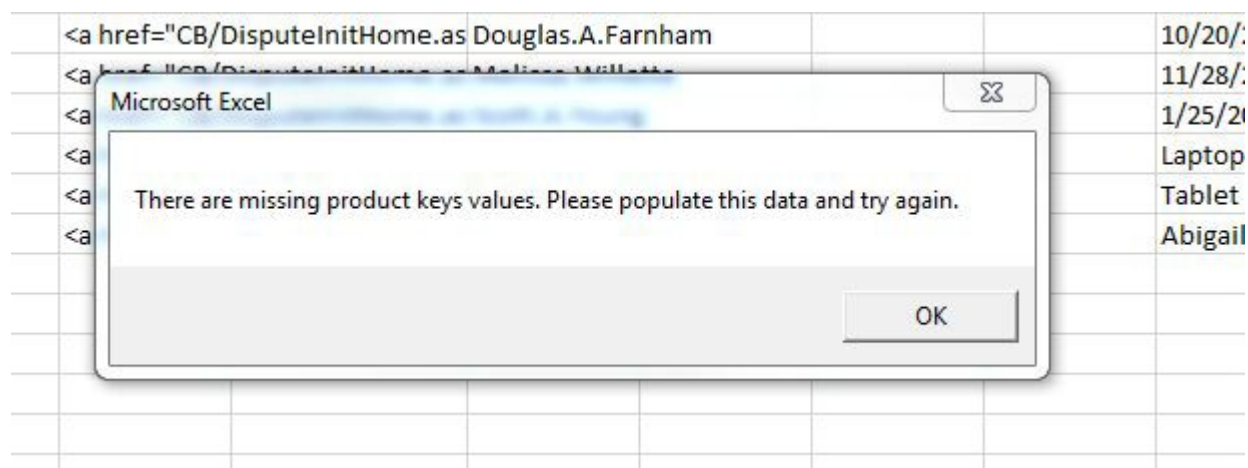
In the ACS, go to the tab labeled Control and click on the “Process Billing Worksheet” box.

The Process Billing Worksheet macro runs the Validate Account Codes macro to ensure there are no errors in the Account Codes. If there are no errors, the ‘Processing Billing Worksheet’ macro appends the Account Code data and any additional data previously entered for tracking (the custom columns) to the end of the bill detail lines from the M-PWR ME Output tab, producing the Data Output sheet(s).

If the Bill.350 report (in the M-PWR ME Output tab) contains new product keys that are not listed on the Account Codes tab, the following error will be generated:



When you click OK, ACS will tell you that there are missing product keys on the Account Codes tab.



When you click on the OK button, you are brought to the Account Codes tab where any missing product keys are added to the end of the Account Codes list with a message stating, “Please Populate this Value”.

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
Product Key	Fund	Department	Unit	Sub Unit	Appropriation	Object	Activity	Task	Sub Task	Task Order	Mjr Program	Program	Program Period	Supplemental Account	Custom Data 1	Custom Data 2	Custom Data 3	Distribution	Round ing	Notes
1bTMSi9AKVDfM9/00AB	010	10A	3010	01	012901	5310	1	10	2	3	MRP			22A	Sanford	Y	CD3	.7	X	
1bTMSi9AKVDfM9/00AB	013	10A	3010	01	012901	5310	1	10	2	3					Sanford	Y	CD4	.3		
Hq/nm3noeDGTsErDaJPT	010	10A	3010	01	012901	5310	1	10	2	3		ABC	F2018		Augusta	N	CD5	1	X	
dph6KDYQcSb/wmW1577	010	10A	5132	01	030701	5310	1	10	2	3					Portland	Y	CD6	.7	X	
dph6KDYQcSb/wmW1577	014	10A	5132	01	030701	5310	1	10	2	3					Portland	Y	CD7	.15		
dph6KDYQcSb/wmW1577	300	10A	5132	01	030701	5310	1	10	2	3					Portland	Y	CD8	.15		
IZDK6S1bGTGGTnqc/Z+	010	10A	3010	01	012901	5310	1	10	2	3		ABC	F2018			Y	CD9	1	X	
36U7Kc5sUzcEBCmrdVc	010	10A	3010	01	012901	5310	1	10	2	3		ABC	F2018			N	CD10	1	X	
OqaWkwxEa1SjdU94z2R	010	10A	3010	01	012901	5310	1	10	2	3		ABC	F2018			?	CD11	1	X	
xTeB0Cr1YpGoVr58r8vKv	010	10A	3010	01	012901	5310	1	10	2	3		ABC	F2018		Biddeford	Y	CD12	1	X	
GwvO2be6eFQm54HYWS1	010	10A	4606	01	010001	5310	1	10	2	3					Bangor	N	CD13	.6	X	
GwvO2be6eFQm54HYWS1	013	10A	4606	01	010001	5310	1	10	2	3		CSEP	F2018		Bangor	N	CD14	.4		
AtryQ/tehiBxvtOzzsYU1j6	010	10A	3010	01	012901	5310	1	10	2	3		ABC	F2018			Y	CD15	1	X	
6kzZ7g5NZK1n3l4b6gsBq	010	10A	3010	01	012901	5310	1	10	2	3		ABC	F2019			Y	CD16	1	X	
mVaHROS2zinaVigrgQh6	014	10A	3230	01	014201	5310	1	10	2	3						Y	CD17	1	X	
DfUBjblUvuqQJMadofE	010	10A	3230	01	014201	5310	1	10	2	3						Y	CD18	1	X	
SHxZfzPNvtamHTEhRlWbF	010	10A	3010	01	012901	5310	1	10	2	3		ABC	F2022			Y	CD19	1	X	
TEST1bTMSi9AKVDfM9/00ABnV13FW9kFoSdhm70JoW6fH																				M: Please Populate this Value
TESTmVaHROS2zinaVigrgQh6inW5C7zc3kEMC8BhXtVNL4																				M: Please Populate this Value

To find the billing detail lines for the new product keys, you have two choices:

You can scroll to the right of the Account Codes tab to columns W through AA. Identifying data for each product key such as Line Item, Attribute 1 (Name), Metric 1 (Footprints ticket #), Service Category, and Service Code pulls the applicable data from the M-PWR ME Output tab. ~ new

You no longer need to copy a new product key from the end of the account code list and on the M-PWR ME Output tab do a find (find and select in upper right-hand corner on the excel ribbon) on the product key.

Or:

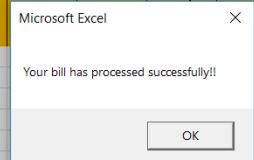
On the M-PWR ME Output tab, all new product keys will have their font changed to red and will be bolded. You can filter the new product keys by adding a filter to the Attribute 5 column (column R where product key is stored) on the M-PWR ME tab and then filtering on red font. For instructions on how to do this, please see [How to Filter All New Product Keys on the M-PWR ME Output Tab](#).

Determine your account code values for your new product keys. If you need additional data, the metric 1 column lists the footprint ticket for many services, so you can research the ticket.

Now enter your Account Code information and additional custom data for the new product key(s) and click on the 'Process Billing Worksheet' macro box on the Control tab.

Upon completion, you will be brought to the Data Output tab and SummaryWorksheet tab where your reports are populated, and you receive the success message below: ~ new

Line	Accounting String	Fund	Department	Unit	Sub Unit	Appropriation	Object	Activity	Program	Program	Program Period	Supplemental Account	Total Amount
1	01015A1112011112(010		15A	1112	01	111201	5500	123					\$1,837.21
2	01315A0002020002(013		15A	0002	02	000202	5000		23	TEST	F2019		\$3,977.56
3	09915A9999019999(099		15A	9999	01	999901	5600						\$6,837.38
4	05015A7676997676(050		15A	7676	99	767699	5200						\$1,934.04
												Total:	\$14,586.19
Signature _____													
Date _____													



Things to Remember:

All final output reports should be saved as separate workbooks or as separate sheets within an annual workbook. Note: Because the dispute column is only utilized within M-PWR ME, we recommend deleting this column from your copy of the final report.

A separate excel sheet is created each time you click on ‘Process Billing Worksheet’.

When you run the “Process Billing Worksheet” process, the macro first copies the Data Output sheet to a new worksheet named Data OutputYYYYMMDDHHMMSS where YYYYMMDD equals the current date and HHMMSS equals the current time. It then copies the contents of the Output Template with the Account Code and tracking data appended on the end of each bill line (from the M-PWR ME Output tab) to the Data Output sheet. Then the macro second copies the Account Codes account code string(s) (columns B-O) and Data Output distribution (column AZ) and compiles that information on the SummaryWorksheet. Each account code string is auto numbered on this sheet.

Your most current output is always on the Data Output tab and the SummaryWorksheet tab.

We recommend you delete previously created Output sheets that you do not want to keep.

Modifying Tracking Data

If you would like to track additional or less data with your Account Coding data, you can by:

On the Account Codes tab:

Insert any additional columns between the Custom Data 3 and Distribution columns.

Or delete any of the Custom Data columns if you want to track less data.

On the Output Template tab:

Give heading names to the additional columns you added. Enter these column names (labels) in the first row after the Custom Data 3 column.

Or delete columns containing custom data labels for any custom data you do not want to track.

On the Constant Data Tab:

If you added additional custom data fields to track, add 1 to the number stored in the following row for every column you added.

Or if you deleted custom tracking data, subtract 1 from the number stored in the following row for every column you deleted.

Number of custom fields

Item	Value	Note
Reference Data Worksheet	Account Codes	The sheet where your account code lookup data resides.
Bill Worksheet	M-PWR ME Output	The sheet where you paste the M-PWR ME Bill.350 report.
Product Key Column (1-Based)	19	The index of the "Product Key" column on the "M-PWR ME Output" sheet. The value entered here is required to be a number greater than or equal to 1
Missing Product Key Column (1-Based)	24	If the data in the product key column is missing, then the value from this column will be used instead
Charges Column (1-Based)	9	The index of the "Charges" column on the "M-PWR ME Output" sheet. The value entered here is required to be a number greater than or equal to 1
Rate Column (1-Based)	8	The index of the "Rate" column on the "M-PWR ME Output" sheet. The value entered here is required to be a number greater than or equal to 1
Bill Code Column (1-Based)	2	The index of the "Consumer" column on the "M-PWR ME Output" sheet. The value entered here is required to be a number greater than or equal to 1
Bill Code Parse Rule	P	The method used to extract the bill code from the "Consumer" data. If left blank this will use the raw value. The value "P" will find the value in parentheses and extract it.
Output Worksheet	Data Output	Name of Worksheet that will be created where the output will be recorded
TemplateOutput	OutputTemplate	Template worksheet of the output data. This sheet contains the headings for the combined sheet with account code and custom data.
Number of custom fields	3	This represents the number of custom fields in your Account Codes sheet. These fields are the standard accounting fields in your Account Codes sheet. These
Number of account fields	14	This represents the number of standard accounting fields in your Account Codes sheet. These are the standard fields common to all agencies. These will start on the second column of the Account Codes worksheet and encompass this many fields
Additional Columns to Include in Account Codes	24,12,20,4,5	Common fields that will be appended to the header to provide better information user.
Quantity Column (1-Based)	7	The index of the "Quantity" column on the "M-PWR ME Output" sheet. The value entered here is required to be a number greater than or equal to 1
Create Summary	Y	Set to "Y" if you also want to produce the summary output worksheet
SummaryTemplate	SummaryTemplate	Template worksheet of the summary data
SummaryWorksheet	SummaryWorksheet	Name of Worksheet that will be created where the summary will be recorded
SummaryHeaderLinesToSkip	6	How many lines to keep blank for the summary header
Maintenance Sheet	Maint	The name of the sheet used for account code copying/maintenance
Internal Blank Value	(blank)	How blank account codes will show up in the output

- # 1 ~ Add 1 for every column of tracking data
 - Or subtract 1 for every column of tracking data deleted to the values of: Number of custom fields
- # 2 ~ Add additional identifying information from the M-PWR ME Output tab in the Account Codes tab ~ *new*
 - Or you can change the order of the existing identifying information by rearranging the numbers. Note: The numbers represent the columns located on the M-PWR ME Output tab

Viola! You can now review your billing detail line and data to determine your account code coding.

Account Coding Solution - final testing version - Excel

Farrand, Jill

Share

FileHomeInsertPage LayoutFormulasDataReviewViewAdd-insTell me what you want to do

Paste

Clipboard

Calibri11

Font

Align Center

Alignment

General

Number

Conditional Formatting

Styles

Format as Table

Table

Cell Styles

Cell Styles

Insert

Cells

Delete

Cells

Format

Cells

AutoSum

Editing

Fill

Editing

Sort & Filter

Editing

Find & Select

Editing

R1

Attribute 5

	H	I	J	K	L	M	N	O	P	Q	R	S	
1	Charges	Disput	Dispute	Attribute	Resource	Email	Add	Metric 5	Attribute	Attribute 3	Attribute	Attribute 5	Metric 1
2	130.78	<a href="CB/D douglas.a.farnham							Desktop	DVEMCDA1PCDGO	87136	TESTibTM5i9AKVDIFm9/O0ABnvVL3fW9kFoSdhm7OJoW6fI=	668480
12	139.11	<a href="CB/D donald.marino							Laptop	DOE-CT1ALTDMAR	94942	TESTmVaHfROS22inaVigrgQh6inW5t7zc3kEMC8BHxTvNL4=	792338
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Account CodesM-PWR ME OutputOutputTemplate

Data Output20180601142117

Count: 3

5:10 PM 6/1/2018