



# Developing a V24 Metafile: Importing Customizations

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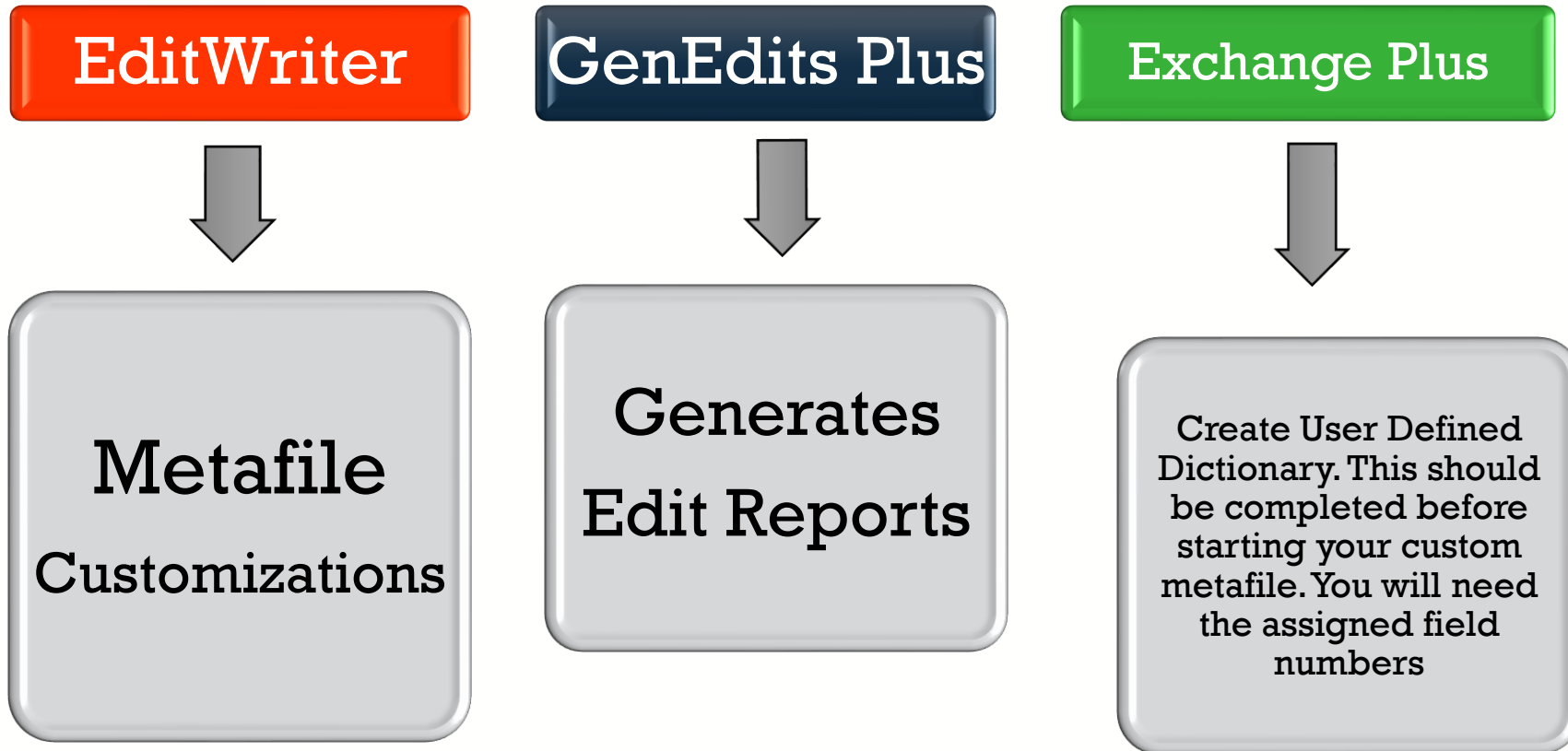


# Focus of this Presentation

## IMPORTING FROM PREVIOUS METAFILE

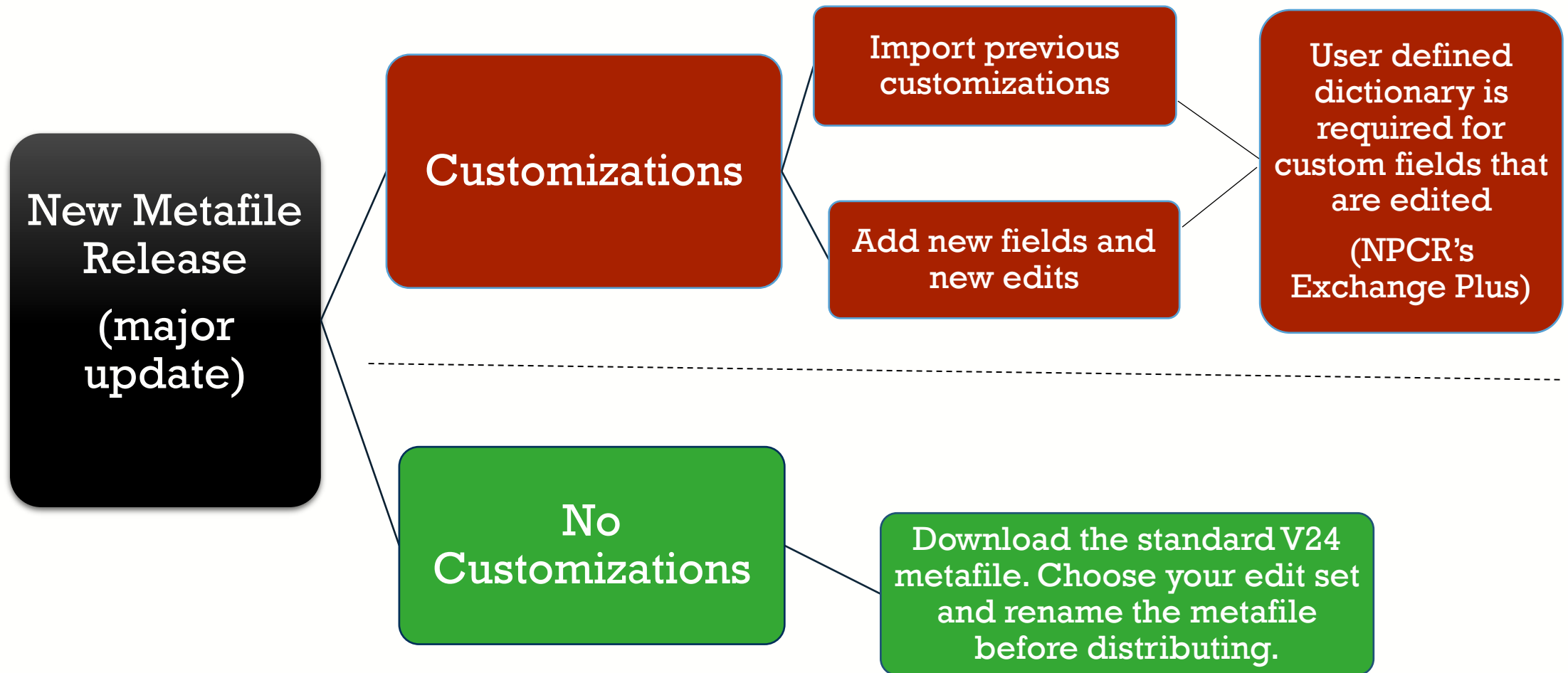
- NPCR's **EditWriter** software
- Associated with a **major update** or **new metafile** version release
- Agencies will import V23b customizations (Import metafile) into V24 standard metafile (Target metafile)
- Know your customizations.
- Import order is important.
- Some agencies may require a different approach to updating custom objects. Support is available at: [cancerinformatics@cdc.gov](mailto:cancerinformatics@cdc.gov).

# NPCR-EDITS Software



<https://www.cdc.gov/cancer/npcr/tools/edits/edits50.htm>

# New Metafile Release



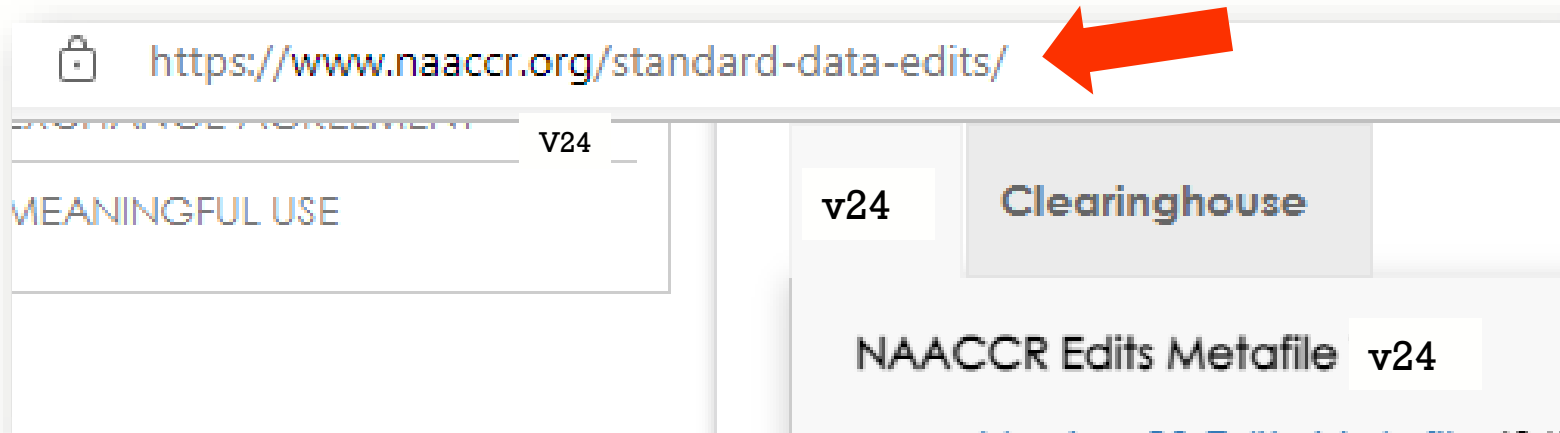
# PRIOR TO BEGINNING THIS PROCESS

- ❑ Review the NAACCR V24 changes spreadsheet
  - ❑ [Standards for Cancer Registries, Standard Data Edits, Volume IV – NAACCR](#)
- ❑ Carefully review custom edits and edit sets
  - ❑ Many edits have changed (see Elaine's presentation)
    - ❑ Edit examples:
      - ❑ Avoid reintroducing deleted edits or dependencies that have changed
      - ❑ All changes will need to be reflected in your custom edits/edit sets
      - ❑ Always review the Required Status Table
- ❑ Create a User Defined Dictionary: NPCR's Exchange Plus
  - ❑ Match field number in metafile with data dictionary
  - ❑ We recommend newly added custom item numbers range from 9500-9999 to be consistent with NPCR RegPlus control tables (9000-9999 allowable)

# EditWriter: Import Metafile Definitions

- Target Metafile
  - Metafile that will *receive* imported objects (V24)
    - This metafile has updated dependencies in the standard objects.
- Import or Source Metafile
  - Metafile from which objects will be selected for import (V23)(V23a)(V23b)
    - This metafile has the previous versions of standard dependencies.

# Download the V24 metafile



Download the V24 NAACCR metafile to any location on your computer.

# Download NPCR's EditWriter

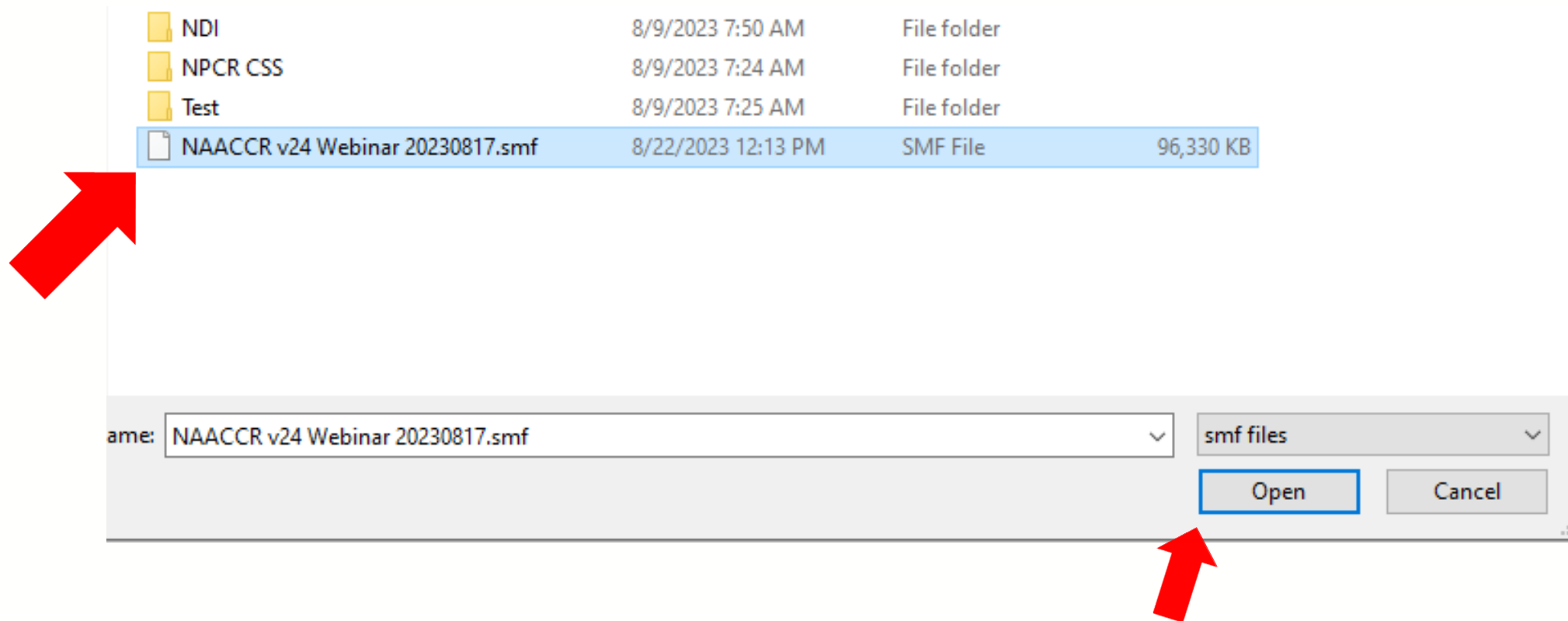


Download or verify you are using the latest version of EditWriter. Note that the version shown (2017Aug15) is appropriate for V24 customizations. **EditWriter 6 may be available for download at the time of your customization. If so, use EW6 to take advantage of the software's enhancements.**



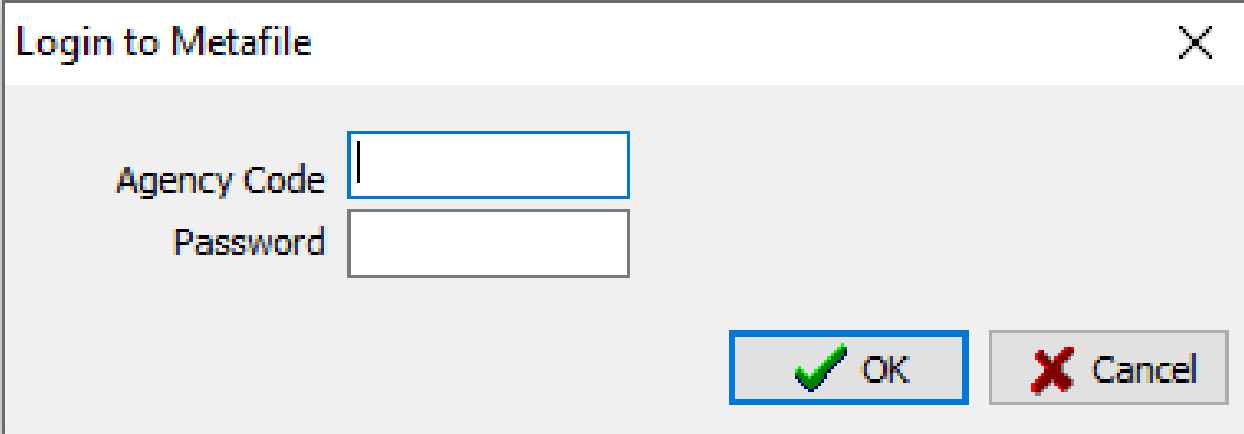
# Open the V24 metafile in EditWriter

- Select OPEN (upper left) and browse to the location on your computer where you saved the V24 metafile. Now select OPEN in the file window (lower right).



# Login Prompt will appear

- Select CANCEL to access the V24 metafile without logging in.
- Existing users will import login credentials in a later step.
- New users will need to create a login and password. Instructions are found in the EditWriter help menu. Remember your credentials. NPCR does not have access to your application.

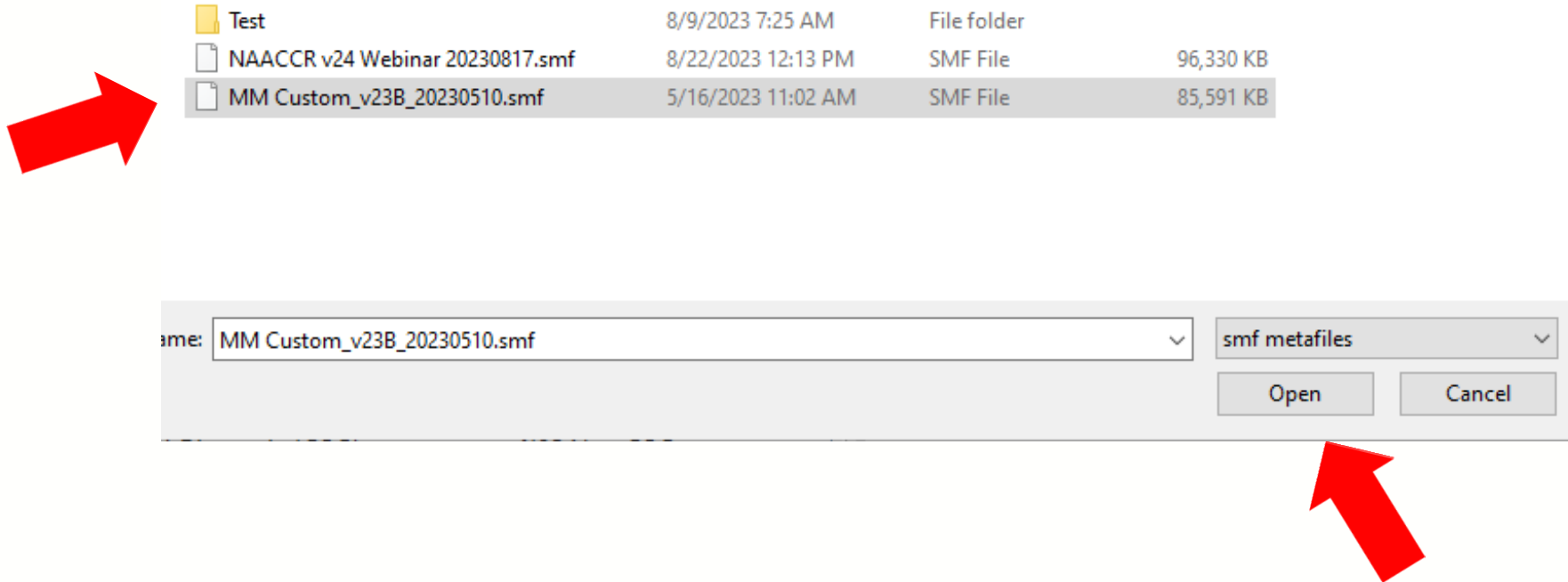


Login to Metafile

Agency Code

Password

# Import Metafile: Open your V23 Metafile



Select IMPORT from the EditWriter tool bar and browse to your customized V23 metafile. Highlight the metafile you need and select OPEN in the file browser.

# EW5 Users Only: Use TAG to Match Objects

EW5: Keep default options on TAG and select OK.

# Edit Writer 6

**MCO  
Now in  
import  
order!**

**Filter Import Objects**

Agencies match on Admin Code  
Edits match on EditTag  
Edit Sets match on EditSetTag  
Fields match on FieldNumber  
Messages match on MessageNumber  
Tables match on TableName

Objects selected for import into: NAACCR v24 Webinar 20230817.smf  
0 selected for import

Status	Object	Record Key	Tag	Ag
NEW	Agency	MMM	MMM	MM ^
CHG	Edit	._SYS AJCC ID (NAACCR)	N2815	NA
CHG	Edit	._SYS AJCC ID, Date of Diagnosis (NA	N2822	NA
CHG	Edit	._SYS AJCC ID, Date of Diagnosis, CoC	N4203	SEE
CHG	Edit	._SYS AJCC ID, Primary Site, Histology	N2843	NA
CHG	Edit	._SYS AJCC ID, Site, Histo, Age (NAAC	N4205	NA
CHG	Edit	._SYS AJCC ID, Site, Histo, Sex (NAAC	N3068	NA
CHG	Edit	._SYS Schema ID (NAACCR)	N2816	NA
CHG	Edit	._SYS Schema ID, AJCC ID (NAACCR)	N2814	NA
CHG	Edit	._SYS Schema ID, Date of Diagnosis (f	N2823	NA
CHG	Edit	._SYS Schema ID, Primary Site, Benign	N6609	NC
CHG	Edit	._SYS Schema ID, Primary Site, Histo	N2824	NA v

**Import Objects Grid**

**Generates Report of Object**

**Objects selected for import will show here**

Import Stop Close

# Import Agency

Select only AGENCIES from the MCO menu and import your agency to the V24 metafile.

Import Metafile

Agencies    Show status  
 Fields         New objects only  
 Messages       Changed objects only  
 Tables         Conflict resolution needed  
 Edits          All objects  
 Edit Sets

New/Changed objects from: MM Customv23B\_20230510.smf  
1 available for import

Status	Object	Record Key	Tag	Ag
NEW	Agency	MMM	MMM	MM

Agencies match on Address  
Edits match on EditTag  
Edit Sets match on EditSetTag  
Fields match on FieldNumber  
Messages match on MessageNumber  
Tables match on TableName

Objects selected for import into: NAACCR v24 Webinar 20230817.smf  
0 selected for import

Status	Object	Record Key	Tag	Ag
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Import   Stop   Close

# Import Custom Field

**Filter to your agency for quick access to your custom objects**

**Move highlighted object(s) from import metafile into target metafile grid**

**All new fields added to the metafile must have a item numbers specified. The item numbers must correspond with your user defined dictionary.**

**Import**

**Stop**

**Close**

**Agencies match on Admin Code**  
**Edits match on EditTag**  
**Edit Sets match on EditSetTag**  
**Fields match on FieldNumber**  
**Messages match on MessageNumber**  
**Tables match on TableName**

Objects selected for import into: NAACCR v24 Webinar 20230817.smf  
0 selected for import

Status	Object	Record Key	Tag	Agency
NEW	Field	MM custom Field [# 9500]	9500	MMM
NEW	Field	CRC CHECKSUM [# 2081]	2081	NAACCR
NEW	Field	LN Status Femoral-Inguinal, Para-aor	3884	NAACCR
NEW	Field	Name--Maiden [390]	2390	NAACCR
NEW	Field	Place of Death [0]	1940	NPCR
CHG*	Field	UIHO City [# 28	285	NPCR
CHG*	Field	Urban Indian Health Organization (U	284	NPCR
CHG*	Field	SEER Site-Specific [3700]	3700	SEER
NEW	Field	Birthplace [# 25	250	SEER/COC

New/Changed objects from: MM Customv23B\_20230510.smf  
9 available for import

Agencies  
 Fields  
 Messages  
 Tables  
 Edits  
 Edit Sets

Show status  
 New objects only  
 Changed objects only  
 Conflict resolution needed  
 All objects

Agencies match on Admin Code  
Edits match on EditTag  
Edit Sets match on EditSetTag  
Fields match on FieldNumber  
Messages match on MessageNumber  
Tables match on TableName

Objects selected for import into: NAACCR v24 Webinar 20230817.smf  
0 selected for import

Status	Object	Record Key	Tag	Agency
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View  
Diff

Import Stop Close

# Import Custom Messages

**Filter to your agency for quick access to your custom objects**

**Move highlighted object from import metafile into target metafile grid**

Import Metafile

Agencies  
 Fields  
 Messages  
 Tables  
 Edits  
 Edit Sets

Show status  
 New objects only  
 Changed objects only  
 Conflict resolution needed  
 All objects

New/Changed objects from: MM Customv23B\_20230510.smf  
41 available for import

Status	Object	Record Key	Tag	Agency
NEW	Message	9511: Region of water supply not found	9511	MMM
CHG	Message	1116: %F1 must equal "230" for this metafile	1116	NAACCR
CHG	Message	1119: %F1 must equal 2-9, A-C for this metafile	1119	NAACCR
CHG	Message	3925: DCO: %F29 must = blank	3925	NAACCR
CHG	Message	7213: Grade problem	7213	NAACCR
CHG	Message	7587: %F3: %V3 is inconsistent with %F4: %V4 and	7587	NAACCR
CHG	Message	7588: %F1: %V1 and %F2: %V2 are inconsistent wi	7588	NAACCR
CHG	Message	7617: %F1 must not be blank or not applicable for	7617	NAACCR
NEW	Message	7637: %F2: %V2 conflicts with %F4: %V4	7637	NAACCR
CHG	Message	7646: %F1 must be of form 09.01.dd, d = numeric	7646	NAACCR
CHG	Message	7648: %F1 must be of form 09.01.dd.dddd, d=nurr	7648	NAACCR
CHG	Message	7657: DCO: %F26 must = 88 or blank	7657	NAACCR
CHG	Message	7681: %F1: %V1 is valid only for AJCC ID 19, 21, 52	7681	NAACCR
CHG	Message	7776: %F1 must not = %V1 if %F2 and %F3 = T0	7776	NAACCR
CHG	Message	8072: Conflict between %F3: %V3 and %F7: %V7	8072	NAACCR

Agencies match on Admin Code  
Edits match on EditTag  
Edit Sets match on EditSetTag  
Fields match on FieldNumber  
Messages match on MessageNumber  
Tables match on TableName

Objects selected for import into: NAACCR v24 Webinar 20230817.smf  
0 selected for import

Status	Object	Record Key	Tag	Agency
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Import Stop Close



# Import Custom Tables

**Import Metafile**

Agencies  
 Fields  
 Messages  
 Tables  
 Edits  
 Edit Sets

Show status  
 New objects only  
 Changed objects only  
 Conflict resolution needed  
 All objects

Agencies match on Admin Code  
Edits match on EditTag  
Edit Sets match on EditSetTag  
Fields match on FieldNumber  
Messages match on MessageNumber  
Tables match on TableName

New/Changed objects from: MM Customv23B\_20230510.smf  
49 available for import

Objects selected for import into: NAACCR v24 Webinar 20230817.smf  
0 selected for import

Status	Object	Record Key	Tag	Agency
CHG	Table	COCYCLINTED9	COCYCLIN	COC
CHG	Table	COCYPATHNED9	COCYPATH	COC
CHG	Table	COCYPATHTED9	COCYPATH	COC
CHG	Table	DISCRIM1NEW	DISCRIM1	COC
<b>NEW</b>	<b>Table</b>	<b>WaterShedReg</b>	<b>WaterShed</b>	<b>MMM</b>
CHG	Table	AJC7STGP	AJC7STGP	NAACCR
CHG	Table	DISCRIM1SEER	DISCRIM1	NAACCR
CHG	Table	EODPT09	EODPT09	NAACCR
CHG	Table	FIGOSTAGE	FIGOSTAG	NAACCR
CHG	Table	GRADE09	GRADE09	NAACCR
CHG	Table	IF25_3	IF25_3	NAACCR
CHG	Table	SCHEMAID_AJCCID	SCHEMAID	NAACCR
CHG	Table	SOLID_TUMOR_RULES	SOLID_TUI	NAACCR
CHG	Table	SURG23A	SURG23A	NAACCR
CHG	Table	SURG23B	SURG23B	NAACCR

View  
Diff

Import Stop Close

# Import Custom Edits

**Import Metafile**

Agencies  
 Fields  
 Messages  
 Tables  
 Edits  
 Edit Sets

Show status  
 New objects only  
 Changed objects only  
 Conflict resolution needed  
 All objects

Agencies match on Admin Code  
Edits match on EditTag  
Edit Sets match on EditSetTag  
Fields match on FieldNumber  
Messages match on MessageNumber  
Tables match on TableName

New/Changed objects from: MM Customv23B\_20230510.smf  
1290 available for import

Objects selected for import into: NAACCR v24 Webinar 20230817.smf  
0 selected for import

Status	Object	Record Key	Tag	Agency		Status	Object	Record Key	Tag	Agency
CHG	Edit	Visceral and Parietal Pleural Invasion, Lung, Surg P	N6713	COC	→					
CHG	Edit	COC Coding Sys--Current (COC)	N0035	COC/REMOV	←					
CHG	Edit	RQRS NCDB Submission Flag (COC)	N2530	COC/REMOV						
CHG	Edit	Lymphovascular Invasion (CS)	N1014	CS						
CHG	Edit	Lymphovascular Invasion, Histology, Behav (CS)	N1958	CS						
CHG	Edit	Regional Nodes Ex, Reg Nodes Pos (CS)	N0118	CS						
NEW	Edit	Water Shed Region,DateDX	9501	MMM						
CHG	Edit	_SYS AJCC ID (NAACCR)	N2815	NAACCR						
CHG	Edit	_SYS AJCC ID, Date of Diagnosis (NAACCR)	N2822	NAACCR						
CHG	Edit	_SYS AJCC ID, Primary Site, Histology, Behavior (N	N2843	NAACCR						
CHG	Edit	_SYS AJCC ID, Site, Histo, Age (NAACCR)	N4205	NAACCR						
CHG	Edit	_SYS AJCC ID, Site, Histo, Sex (NAACCR)	N3068	NAACCR						
CHG	Edit	_SYS Schema ID (NAACCR)	N2816	NAACCR						
CHG	Edit	_SYS Schema ID, AJCC ID (NAACCR)	N2814	NAACCR						

View  
Diff

Import Stop Close

# Import Edit Set(s)

**Import Metafile**

Agencies  
 Fields  
 Messages  
 Tables  
 Edits  
 Edit Sets

Show status  
 New objects only  
 Changed objects only  
 Conflict resolution needed  
 All objects

New/Changed objects from: MM Customv23B\_20230510.smf  
12 available for import

tus	Object	Record Key	Tag	Agency
G*	Edit Set	Canadian Council of Cancer Registries - vs23 Edits	NES0127	CCCR
G*	Edit Set	Hosp: Vs23 COC Required - All	NES0095	COC
W	Edit Set	Hosp: Vs23 COC Required - All+CS	NES0344	COC
W	Edit Set	MM: Vs23 NPCR Required - Consol-All Edits	MMM0149	MMM
G	Edit Set	AJCC Edits	NES0500	NAACCR
G*	Edit Set	Central: Vs23 State Example - Incoming Abstracts	NES0150	NAACCR
G	Edit Set	EOD Edits	NES0501	NAACCR
G	Edit Set	Pre2016 no c,p in codes	NES0338	NAACCR
G	Edit Set	Quality Control Edits	NES0003	NAACCR
G	Edit Set	SSDI Valid Value Edits	NES0502	NAACCR
G*	Edit Set	Central: Vs23 NPCR Required - Consol-All Edits	NES0149	NPCR
G*	Edit Set	SEER: Vs 23 Transmit Edits	NES0334	SEER

Agencies match on Admin Code  
Edits match on EditTag  
Edit Sets match on EditSetTag  
Fields match on FieldNumber  
Messages match on MessageNumber  
Tables match on TableName

Objects selected for import into: NAACCR v24 Webinar 20230817.smf  
0 selected for import

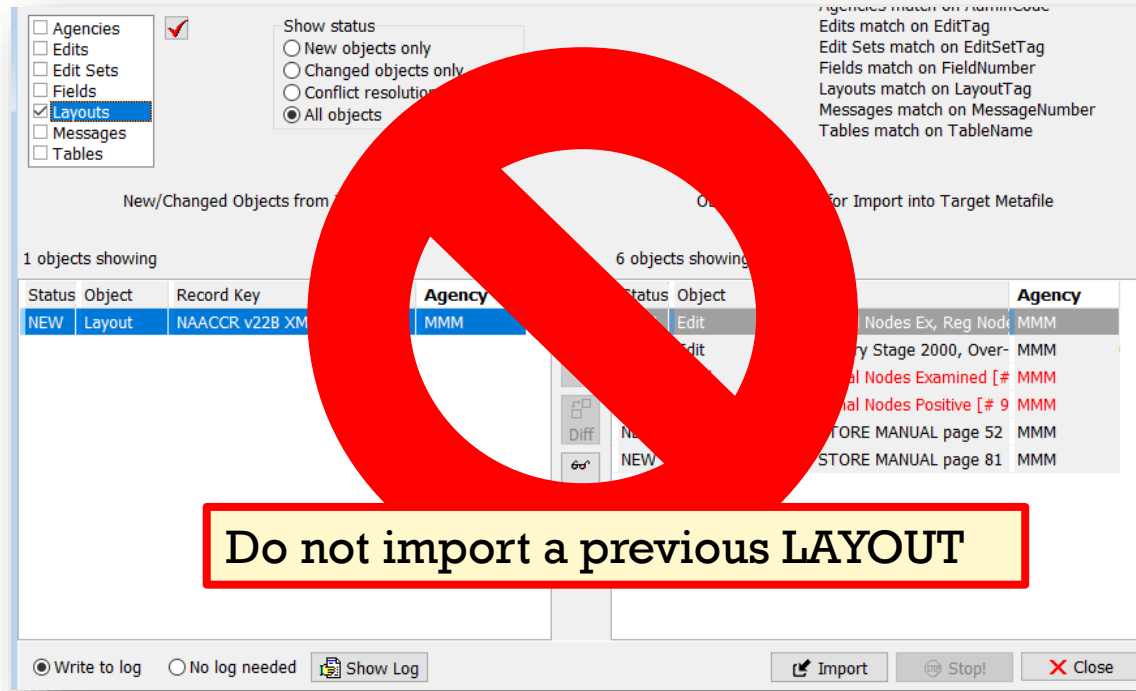
Status	Object	Record Key	Tag	Agency
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**Tip: In some scenarios it is better to recreate your custom edit set to guarantee that you have the latest version of all dependencies.**

Import Stop Close

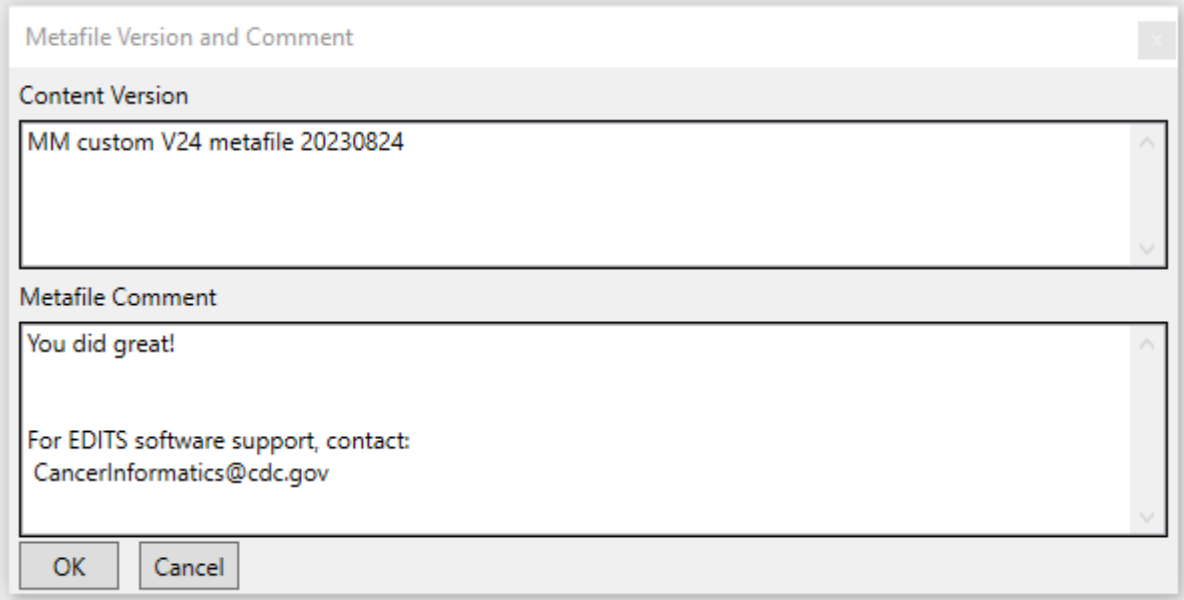
# LAYOUTS

- Starting with V23, metafile LAYOUTS are no longer required
- EW6 does not include an option for a layout
- Edits will correspond with the data dictionary by way of item numbers



# V24 METAFILE VERSION DOCUMENTATION

- Documentation is one of the last metafile tasks before implementation in central registry software or distribution to reporting facilities
- Within the Edit Writer **Tools** menu, there is a feature for **Metafile Version and Comment**
- Facilitates communication among reporting facilities, the central registry, vendors, and edits staff who respond to queries and concerns about edits



Metafile Version and Comment

Content Version

MM custom V24 metafile 20230824

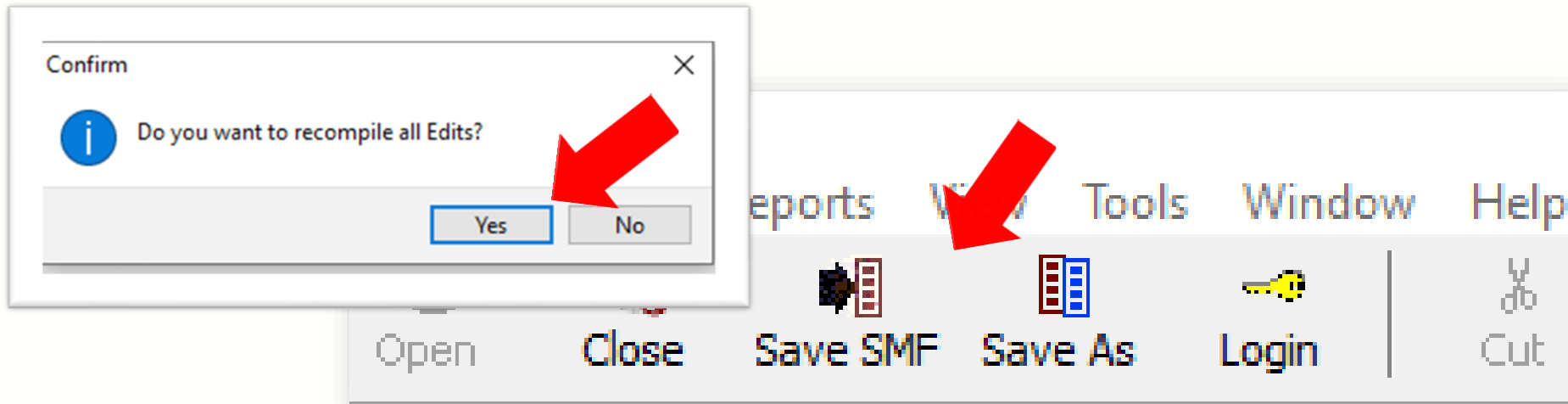
Metafile Comment

You did great!

For EDITS software support, contact:  
CancerInformatics@cdc.gov

OK Cancel

# RECOMPILE EDITS AND SAVE YOUR METAFILE (SMF)



After recompiling and saving with a unique name, your metafile is ready for distribution!

## Next steps:

- You will use NPCR's GenEDITS Plus to process your datafile edit reports.
- If you haven't already, utilize NPCR's Exchange Plus to create a data dictionary to include any custom item not include in the standard metafile.

# Resources

## ❑ Edits Software Downloads:

- <https://www.cdc.gov/cancer/npcr/tools/edits/edits50.htm>

## ❑ Knowledge Base:

- <https://app.onedesk.com/app-od/o-regplus/knowledge-base-2?customerAccess=>

## ❑ Metafile and Data Dictionaries:

- <https://www.naaccr.org/standard-data-edits/>

## ❑ Review the EditWriter Help documentation

- F1 menu
- Sections for Updating a Metafile to a New Major Version

# Thank you!

Go to the official federal source of cancer prevention information:

[www.cdc.gov/cancer](http://www.cdc.gov/cancer)



Division of Cancer Prevention and Control

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*The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.*