

The All System Usage Worksheet

Click on the All System Usage menu option to open the All System Usage worksheet, as shown in Figure 25.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
	CAM-TOOL MENU	? All System Usage	Enter Weights or Base Values	Enter Usage = "X"	Tally Usage by Program Size	Copy for System Recipient Counts	Create Program Base Summary (All)	Format All System Usage (Copy)									
1		Enter Project/System Name in System Information															
2		FUNCTIONAL_MODULE	SUB_MODULE	DETAIL	USAGE_TYPE	WEIGHT_TYPE	WEIGHT	BASE_VALUE	NUM_SMALL	NUM_LARGE							
3	SYSTEM																
4	System Information																
5	Benefiting Programs																
6	Allocation Structure																
7	Functional Modules																
8	Sub_Modules																
9	Details																
10	Weighting System																
11	USAGE AND CAP																
12	All System Usage																
13	Recipient Counts																
14	Shared Usage LOE																
15	Cost Allocation Plan																
16	Child Welfare CAP																
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	
25																	
26																	
27																	
28																	
29																	

Figure 25 All System Usage Worksheet.

Overview. When completed, this worksheet displays the usage data for all system components. Worksheet data indicates small and large program system usage, shared usage, and the usage of sub-module modules or detail functionality that only benefit one program. The worksheet provides a complete view of system functionality usage.

Some of the information on this screen was copied from the Detail worksheet and from the Benefiting Programs worksheet. You add more data by selecting command buttons, and the CAM-TOOL displays the results of additional automated calculations. Finally, selecting command buttons allows you to copy data from this sheet to other sheets.

This chapter will provide an overview of the general actions and process, then discuss each of the actions in more detail.

1. Worksheet Data.

- **Functional Module** -- copied from the DETAILS worksheet.
- **Sub_Module** -- copied from the DETAILS worksheet.
- **Detail** -- copied from the DETAILS worksheet.
- **Usage Type** – automatic calculation by **Tally Usage by Program Size** command button.
- **Weight Type and Weight** – data entered through the command button **Enter Weights or Base Values**. When you are using a Weighting System, you enter the weight value and the type of weight you have assigned to each specific system component. The weight type is the descriptive label of the weight (Source Lines of

Code, Function Points, user screens, etc.); the weight is the scale value assigned to this specific system component (1 for low effort, 5 for high effort).

- **Base Value** – data entered through the command button **Enter Weights or Base Values**. When your allocation base is a measurable level of effort, such as development hours, you enter a measurable value for each specific system component.
- **Num Small and Num Large** -- automated calculation by the command button **Tally Usage by Program Size**. Tally of the number of small programs and the number of large programs using specific system components.
- **Program Abbreviation columns** – data entered through the command button **Enter Usage=X**. (Column headers, i.e., FS, TANF, copied from the Benefiting Programs worksheet.

2. Data Copied To Worksheet.

- Functional Module'
- Sub Module
- Detail
- Program Abbreviations
- Usage Type – of "Direct."

3. Worksheet Calculations.

Three command buttons allow you to add or modify usage information about each system component copied from the Detail worksheet. (Refer to Figure 25.)

- **Enter Weights or Base Values** command button. Assign or modify a base value and a weighting value to each system component in accordance with your allocation base and your weighting system.
- **Enter Usage =X** command button. Identify the programs that use each component.
- **Tally Usage by Program Size** command button automatically assesses the Xs you entered for program usage, and provides results in three columns:
 - NUM_SMALL (total of small programs using the component),
 - NUM_LARGE (total of large programs using the component) and
 - USAGE_TYPE (whether the component is Shared by more than one program, or has Direct use by only one program).

Note: See Section 5 of this chapter, **Command Buttons for on-worksheet calculation**, for more detailed information on these command buttons, including specific data fields and actions.

Figure 26 below shows the All System Usage worksheet after the worksheet calculations have been completed. Please note that the "Weight Type" and "Weight" columns are empty because this example uses development hours as the Base Value to identify the level of effort, and therefore, no additional weighting is necessary.

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
CAM-TOOL MENU SYSTEM	?	All System Usage	Enter Weights or Base Values		Enter Usage = "X"		Tally Usage by Program Size		Copy for System Recipient Counts		Create Program Base Summary (All)			Format All System Usage (Copy)	
1	System Information	CAM-TEST Project													
2		FUNCTIONAL MODULE	SUB_MODULE	DETAIL	USAGE TYPE	WEIGHT TYPE	WEIGHT	BASE VALUE	NUM SMALL	NUM LARGE	SNAP	TANF	MED	CSE	Foster Care (IV-E)
3	Benefiting Programs	Alerts	Management	Mgt Alert 1	Shared			20	1	3	X	X	X		
4		Alerts	Management	Mgt Alert 2	Shared			25	2	2	X		X		
5	Allocation Structure	Alerts	Management	Mgt Alert 3	Shared			10	1	1	X				
6		Alerts	Staff	Staff Alert 1	Shared			5	2	2	X	X			
7	Functional Modules	Alerts	Staff	Staff Alert 2	Shared			5	0	3	X	X	X		
8		Alerts	Staff	Staff Alert 3	Shared			12	1	4	X	X	X	X	
9	Sub_Modules	Assessment	Eligibility Verification	None	Shared			150	3	3	X	X	X		
10	Details	Assessment	Searches	None	Shared			125	3	3	X	X	X		
11		Case Management	Participant Data	Person data	Shared			100	7	4	X	X	X	X	X
12	Weighting System	Case Management	Participant Data	Education	Shared			100	6	1				X	X
13		Case Management	Participant Data	Employment	Shared			100	3	3	X	X		X	
14	USAGE AND CAP	Case Management	Participant Data	Grants	Shared			75	5	4	X	X	X	X	X
15		Case Management	Child and Adult Services	None	Shared			120	3	3	X	X	X		X
16	All System Usage	Case Management	Means Tested Services	Interactive Review	Shared			100	3	3	X	X	X		X
17	Recipient Counts	Case Management	Means Tested Services	Integration with XNDS	Shared			100	3	3	X	X	X		X
18		Case Management	Means Tested Services	Interface Controllers Office	Shared			75	4	3	X	X	X		X
19	Shared Usage LOE	Case Management	Means Tested Services	Overpayments Analysis	Shared			120	4	3	X	X	X		X
20		Case Management	Means Tested Services	Quality Control Reviews	Shared			200	4	3	X	X	X		X
21	Cost Allocation Plan	Eligibility	Eligibility Determination	None	Shared			12	3	3	X	X	X		
22		Financial	Obligations Management	None	Shared			275	4	4	X	X	X	X	X
23	Child Welfare CAP	Financial	Payment Processing	None	Shared			200	5	4	X	X	X	X	X
24		Financial	Deposit Processing	None	Shared			200	5	4	X	X	X	X	X
25	OPTIONAL	Intake	Customer Info Inq	None	Shared			100	7	4	X	X	X	X	X
26	Program Summary	Intake	Customer Info Maint	None	Shared			100	7	4	X	X	X	X	X
27	Format All System Usage	Intake	Financial Affidavit	None	Shared			100	4	4	X	X	X	X	X
28		Interfaces	INT1	None	Direct			50	0	1			X		
29	Format Shared Usage	Interfaces	INT2	INT2 for TANF	Direct			50	0	1			X		
30		Interfaces	INT2	INT2 for CSE	Direct			50	0	1				X	
31	Help Menu	Interfaces	INT3	INT3 for TANF	Direct			50	0	1			X		

Figure 26 All System Usage Worksheet with Data.

4. Data Copied From Worksheet.

After usage calculations are complete, three command buttons allow you to copy data to other worksheets. (Refer to Figure 26.)

- **Copy for System Recipient Counts** command button copies data to create the Recipient Counts Worksheet.
- **Create Program Base Summary (All)** command button copies data to create the Base Summary worksheet for your reference and analysis.
- **Format All System Usage (Copy)** command button copies all worksheet data to the Format All System Usage worksheet where you can format or manipulate the data further.

Note: See Section 6 of this chapter, **Command Buttons to Copy Data From Worksheet**, for more detailed information on these command buttons, including specific data fields and actions.

5. Command Buttons for on-worksheet calculation.

There are three command buttons for on-worksheet calculations (**Enter Weights or Base Values**, **Enter Usage = "X"**, and **Tally System Usage**). Their operations are detailed below.

- **Enter Weights or Base Values** command button.

Use this command button to enter or modify a base value or a weight type and weight for specific system components. The button opens the "Enter Weights or Base Values" userform listing the system components shown on the All System Usage worksheet.

Enter Weights or Base Values

Select Weights or Base Value: Base Values Total Selected Items: 2

Please Select Items:

Alerts	Management	Mgt Alert 1	
Alerts	Management	Mgt Alert 2	
Alerts	Management	Mgt Alert 3	
Alerts	Staff	Staff Alert 1	
Alerts	Staff	Staff Alert 2	
Alerts	Staff	Staff Alert 3	
Assessment	Eligibility Verification	None	
Assessment	Searches	None	
Case Management	Participant Data	Person data	
Case Management	Participant Data	Education	
Case Management	Participant Data	Employment	
Case Management	Participant Data	Grants	
Case Management	Child and Adult Services	None	
Case Management	Means Tested Services	Interactive Review	
Case Management	Means Tested Services	Integration with XNDS	
Case Management	Means Tested Services	Interface Controllers Offi	
Case Management	Means Tested Services	Overpayments Analysis	
Case Management	Means Tested Services	Quality Control Reviews	
Eligibility	Eligibility Determination	None	
Financial	Obligations Management	None	
Financial	Payment Processing	None	
Financial	Deposit Processing	None	
Intake	Customer Info Inq	None	
Intake	Customer Info Maint	None	
Intake	Financial Affidavit	None	
Interfaces	INT1	None	Direct
Interfaces	INT2	INT2 for TANF	
Interfaces	INT2	INT2 for CSE	
Interfaces	INT3	INT3 for TANF	
Interfaces	INT3	INT3 for CSE	
Interfaces	INT4	None	Direct
Interfaces	INT5	None	Direct
Interfaces	INT6	None	Direct

Select All Clear Selections Enter Value: 8 Weight Type: Insert Data Delete Value(s) for Selected Items

Figure 27 Enter Weights or Base Values Userform.

In Figure 27 above, Base values have been highlighted for action. Two Management Alerts have been selected and a base value of 8 has been entered. If the allocation base is hours, then “8” represents eight hours of development effort.

- **Select Weights or Base Value dropdown** –Open this dropdown list to choose whether you are adding/changing Base Values, or Weight Types and Weights, for all system components. You must use the same kinds of measures for all system components, i.e., all Base Values, or all Weight Types and Weights.

Enter Weights or Base Values

Select Weights or Base Value Select an Entry Type

Weights and Types Base Values

Figure 28 Weights or Base Values Dropdown.

Select Base Values to activate the Enter Value box for entry of a base value for each system component.

Select Weights and Types to activate both entry boxes at the bottom of the userform for entry of the Weight Type and the weighted scale Value for each component.

- **Total Selected Items display** -- displays the number of system components currently highlighted.

- **Click to highlight component(s)** -- Select each of the system components to add or change by clicking anywhere on a component row. Click to highlight and select, click again to de-select and remove the highlight. Continue selecting all of the components for this action.
- **Select All button** -- use to highlight all system components on the list.
- **Clear Selections button** -- use to remove all selection highlights from the system components list.
- **Weight Type entry box** – activated only when "Weights and Types" is selected in the dropdown box for Select Weights or Base Values. Enter the type of weight to be assigned to the components you have highlighted.
- **Enter Value entry box**-- enter the specific value to be assigned to the components you have highlighted. If you selected Base Values in the **Select Weights or Base Value** dropdown, the number you enter will be copied to the Base Value column on the worksheet. If you selected Weights and Types from the dropdown, the number you enter will be copied to the Weight column and used as a weighted scale value.
- **Insert Data button** – This button will assign to each highlighted system component the data you entered for Value and/or Weight Type, and copy the results to the All System Usage worksheet. A message box will request confirmation.

Clicking **Yes** copies selected value data to the All System Usage worksheet.

Clicking **No** closes the message box; you will remain in the Enter Weights and Base Values userform.

- **Delete Value(s) for Selected Items button** – Deletes data from the All System Usage worksheet. This button will delete value data for each highlighted system component from the All System Usage worksheet. When you click this button, a message box will request confirmation:

Clicking **Yes** deletes selected value data from the All System Usage worksheet.

Clicking **No** closes the message box; you will remain in the Enter Weights and Base Values userform.

- **Enter Usage ="X" command button.**

Use this command button to assign or update the usage indicator (X) that identifies which benefiting programs use a system component. The button opens the "Enter Usage By Program" userform listing all of the system components shown on the All System Usage worksheet.

System Component	Category	Sub-Component	Usage
Alerts	Management	Mgt Alert 1	Shared
Alerts	Management	Mgt Alert 2	Shared
Alerts	Management	Mgt Alert 3	Shared
Alerts	Staff	Staff Alert 1	Shared
Alerts	Staff	Staff Alert 2	Shared
Alerts	Staff	Staff Alert 3	Shared
Assessment	Eligibility Verification	None	Shared
Assessment	Searches	None	Shared
Case Management	Participant Data	Person data	Shared
Case Management	Participant Data	Education	Shared
Case Management	Participant Data	Employment	Shared
Case Management	Participant Data	Grants	Shared
Case Management	Child and Adult Services	None	Shared
Case Management	Means Tested Services	Interactive Review	Shared
Case Management	Means Tested Services	Integration with XNDS	Shared
Case Management	Means Tested Services	Interface Controllers Office	Shared
Case Management	Means Tested Services	Overpayments Analysis	Shared
Case Management	Means Tested Services	Quality Control Reviews	Shared
Eligibility	Eligibility Determination	None	Shared
Financial	Obligations Management	None	Shared
Financial	Payment Processing	None	Shared
Financial	Deposit Processing	None	Shared
Intake	Customer Info Inq	None	Shared
Intake	Customer Info Maint	None	Shared
Intake	Financial Affidavit	None	Shared
Interfaces	INT1	None	Direct
Interfaces	INT2	INT2 for TANF	Direct
Interfaces	INT2	INT2 for CSE	Direct
Interfaces	INT3	INT3 for TANF	Direct
Interfaces	INT3	INT3 for CSE	Direct
Interfaces	INT4	None	Direct

Figure 29 Enter Usage by Program Userform

- **Benefiting Program dropdown.** This dropdown at upper left of the userform lists each Benefiting Program abbreviation on the All System Usage worksheet. Select the Benefiting Program to assign or update usage of specific system components.
- **Total Selected Items display.** Total of system components currently highlighted for action.
- **Highlight Items Where Selected Program Usage = X button.** Clicking this button opens a confirmation box asking whether you wish to display current program usage Xs.

Clicking **Yes** highlights all system components currently identified as intended for use by this benefiting program.

Clicking **No** is not recommended. "No" clears any previously-designated usage highlights for the benefiting program. Use this function only when you wish to re-enter all usage for the selected benefiting program. (Note: you may also clear usage highlights by using the **Clear Selections** button.)

- **Select Items area--** Click anywhere on a system component line to toggle the highlight on or off for that component. Add or remove the highlights for components that the selected Benefiting Program will use.
- **Select All button.** This button highlights all of the system components listed.

- **Clear Selections button.** This button removes all selection highlights from the system components list.
- **Update Usage = X button.** This button will update data on the All Systems Usage worksheet to display an X for each system component you have highlighted for the selected benefiting program.

When you click this button, a message box will request confirmation: "Only the selected items will have usage = "X" assigned for this program. Are you sure that you want to update usage for this program?"

Clicking **Yes** updates the usage "X" indicator for each highlighted component on the All System Usage worksheet.

Clicking **No** closes the message box without updating data on the All System Usage worksheet.

- **Tally Usage by Program Size command button.**

This command button causes the CAM-TOOL to take three actions:

- (1) Calculate the number of small programs and the number of large programs indicated to use each system component. Results display in the Num Small and Num Large columns for each system component.
- (2) Calculate the total number of programs indicated to use each system component. Results display in the Totals column to the right of benefiting program columns.
- (3) Label each system component as "Direct" (used by only one benefiting program) or "Shared" (used by two or more benefiting programs). Results display in the Usage Type column for each system component.

These CAM-TOOL calculations are based on the number of usage="X" assignments in the benefiting program columns and the Program Size indicator (e.g., Large or Small) on the Benefiting Program worksheet (see Figure 25, Program Size Calculations).

6. **Command Buttons to Copy Data From Worksheet.** There are three command buttons to copy data **from** the worksheet (**Copy for Recipient Counts, Create Program Base Summary - All**, and **Format All System Usage - Copy**). Their operations are detailed below.

- **Copy for System Recipient Counts command button.**

This button copies information from this worksheet to the Recipient Counts worksheet. Clicking the button displays a confirming message box, asking "Have you entered all base usage assignments, indicated by an "X", for all Benefiting Programs?"

Clicking **Yes** starts the copy action, and opens the Recipient Counts Worksheet.

Clicking **No** closes the message box; you will remain in the All System Usage Worksheet.

Copied data includes Functional Module, Sub_Module, Detail, Usage Type, Weight Type, Weight, Base Value, Num Small, Num Large, and Benefiting Program columns.

- **Create Program Base Summary (All).**

This button is optional to the basic computations of the CAM-TOOL. The button creates a summary of usage by benefiting program on the Program Summary worksheet. The optional summary is provided for your reference and analysis.

As an example, one benefiting program may use 45 of 100 system functions, and a second benefiting program may use 30 of 100 system functions. This button will create a separate list of the functions used by each program (whether usage is direct or shared), and calculate the total number of functions used. See the later chapter on Program Summary Worksheet for additional information on the worksheet.

Clicking this button opens a message box warning "All information in the Program Base Summary worksheet will be DELETED. Are you sure that you want to create a program base summary for all usage?"

Clicking **Yes** starts the copy action, and opens the Program Summary Worksheet.

Clicking **No** closes the message box; you will remain in the All System Usage Worksheet.

Copied data: Functional Module, Sub-Module, Detail, Usage Type, and Base Value data.

Please note: This button differs from the **Create Program Summary (Shared)** button on the Shared System Usage LOE worksheet in the amount of data copied. See the later chapter on Program Summary Worksheet for additional information.

- **Format All System Usage (Copy).**

This button is optional to the basic computations of the CAM-TOOL. Clicking this button copies all data on this worksheet to the Format All System Usage worksheet where you may perform further data calculations and analysis. Copied data includes all of the data visible on the worksheet.

7. Required Fields. For each benefiting program, you must enter data for base values and usage.

- Functional Module
- Sub_Module
- Detail
- Program Abbrev
- Enter Usage = Xs
- Usage Type (calculation based on number of Usage Xs)
- Weight Type (if used in this scenario)
- Weight (if used in this scenario)
- Base Value
- Num Small (calculated total of small programs)

- Num Large (calculated total of large programs)

8. Constraints and Notes.

The CAM-TOOL uses all of the information on this worksheet to complete calculations on the System Recipient Counts worksheet and the Shared Usage LOE worksheets. Therefore, all columns must remain in their current positions. Do NOT add columns or rows to the All System Usage Worksheet.