



Function Point Diagram for Tiger Cookies MNL

Function Point Computation:

Information Domain Value	Count	Weighting Factor			=
		Simple	Average	Complex	
External Inputs (EI)	9	3	4	6	$9 \times 4 = 36$
External Outputs (EO)	3	4	5	7	$3 \times 5 = 15$
External Inquiries (EQ)	0	3	4	6	NA
Internal Logical Files (ILF)	3	7	10	15	$3 \times 10 = 30$
External Logical Files (ELF)	0	5	7	10	NA

Total Count: 80

$$FP = 80 * (0.65 + (0.01*57)) = 97.$$

VAF Computation:

Value adjustment factors (VAF) is F_i ($i = 1$ to 14)

0 – not important or applicable 1 2 3 4 5 – absolutely
essential

1. Does the system require reliable backup and recovery? 5
2. Are specialized data communications required to transfer information to or from the application? 5
3. Are there distributed processing functions? 5
4. Is performance critical? 4
5. Will the system run in an existing, heavily utilized operational environment? 3
6. Does the system require online data entry 5
7. Does the online data entry require the input transaction to be built over multiple screens or operations? 5
8. Are the ILFs updated online? 5
9. Are the inputs, output, files, or inquiries complex? 5
10. Is the internal processing complex? 5
11. Is the code designed to be reusable? 5
12. Are conversion and installation included in the design? 0
13. Is the system designed for multiple installations in different organizations? 0
14. Is the application designed to facilitate change and ease of use by the user? 5

SFI = sum of VAF from questions 1 to 14

$$\text{SFI} = 5 + 5 + 5 + 4 + 3 + 5 + 5 + 5 + 5 + 5 + 5 + 0 + 0 + 5 = 57$$