

TABLE C39 SIZE ESTIMATING TEMPLATE

Student	Aaron Chamberlain				Date	3-14-16	
Instructor	Dr. Concepcion				Program #	7	
BASE PROGRAM LOC						ESTIMATE	ACTUAL
BASE SIZE (B) => => => => => => => =>						0	0
LOC DELETED (D) => => => => => => => =>						0	0
LOC MODIFIED (M) => => => => => => => =>						0	0
OBJECT LOC							
BASE ADDITIONS	TYPE ¹	METHODS	REL. SIZE	LOC	LOC		
Table Input	I,C,D	1	V. Small	13.95	13		
TOTAL BASE ADDITIONS (BA) => => => => => =>				13.95	13		
NEW OBJECTS	TYPE	METHODS	REL. SIZE	LOC (New Reused*)			
TOTAL NEW OBJECTS (NO) => => => => => =>				0	0		
REUSED OBJECTS							
Table Input				21	21		
REUSED TOTAL (R) => => => => => =>				21	21		
Estimated Object LOC (E):				E=BA+NO+M	13.95		
Regression Parameters:				β_0 (size and time)	0	0	
Regression Parameters:				β_1 (size and time)	1.23	1.54	
Estimated New and Changed LOC (N):				$N = \beta_0 + \beta_1 * E$	17.15		
Estimated Total LOC:				$T = N + B - D - M + R$	38.15		
Estimated Total New Reuse (sum of * LOC):					0		
Estimated Total Development Time:				$\text{Time} = \beta_0 + \beta_1 * E$		21.48	
Prediction Range:				Range	±10	±2	
Upper Prediction Interval:				UPI=N+Range	31.48	8.31	
Lower Prediction Interval:				LPI=N-Range	11.48	4.31	
Prediction Interval Percent:					95%	80%	

¹L=Logic, I=I/O, C=Calculation, T=Text, D=Data, S=Set-up