|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| PROBE Calculation Worksheet (Added and Modified) |  | Size |  | Time |
| Added size (A): A = BA+PA |  | 135+210 = 345 |  |  |
| Estimated Proxy Size (E): E = BA+PA+M |  | 135+210+5= 350 |  |  |
| PROBE estimating basis used: (A, B, C, or D) |  | A |  | A |
| Correlation: (R2) |  | 0.05 |  | 0.53 |
| Regression Parameters: β0 Size and Time |  | 293.15 |  | 1299.18 |
| Regression Parameters: β1 Size and Time |  | 0.07 |  | -2.28 |
| Projected Added and Modified Size (P): P = β0size + β1size\*E |  | 293.15 + 0.07 \* 350 = 317.65 |  |  |
| Estimated Total Size (T): T = P + B - D - M + R |  | 237.65+230-34-5+196 = 704.65 |  |  |
| Estimated Total New Reusable (NR): sum of \* items |  | 49 |  |  |
| Estimated Total Development Time: Time = β0time + β1time\*E |  |  |  | -798 |
| Prediction Range: Range |  | 300 |  | -530 |
| Upper Prediction Interval: UPI = P + Range |  | 617.65 |  | -214.65 |
| Lower Prediction Interval: LPI = P - Range |  | 17.65 |  | 847.65 |
| Prediction Interval Percent: |  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Program | Estimated Proxy Size ( E ) | Added Size(A) | Actual Development Time |
| 3 | 530 | 314 | 195 |
| 4 | 390 | 223 | 147 |
| 5 | 430 | 425 | 299 |
| 6 | 350 | 345 | 679 |
| 7 |  |  |  |