APPENDIX K

Validation Testing Results.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Criteria | Evaluators | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Mean | | Interpret | |
| E1 | E2 | E3 | E4 | E5 | E6 | E7 | E8 | E9 | E10 | E11 | E12 | E13 | E14 | E15 | E16 | E17 | E18 | E19 | E20 | E21 | E22 | E23 | E24 | E25 | E26 | E27 | E28 | E29 | E30 | Total | |  | |  | |
| Accuracy | 4 | 5 | 5 | 4 | 4 | 4 | 5 | 5 | 4 | 5 | 5 | 5 | 5 | 4 | 5 | 5 | 5 | 4 | 4 | 4 | 5 | 5 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 139 | | 4.63 | | VG | |
| Auditability | 4 | 5 | 5 | 5 | 4 | 5 | 4 | 3 | 5 | 5 | 5 | 4 | 5 | 4 | 5 | 4 | 5 | 3 | 4 | 5 | 5 | 4 | 5 | 4 | 5 | 5 | 5 | 5 | 4 | 5 | 136 | | 4.53 | | VG | |
| Communication | 4 | 5 | 4 | 5 | 4 | 4 | 5 | 4 | 4 | 5 | 5 | 5 | 4 | 4 | 5 | 5 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 3 | 5 | 4 | 5 | 5 | 5 | 4 | 132 | | 4.40 | | VG | |
| Completeness | 4 | 5 | 4 | 5 | 4 | 3 | 5 | 5 | 4 | 4 | 5 | 5 | 4 | 4 | 4 | 5 | 4 | 5 | 4 | 3 | 5 | 5 | 5 | 4 | 5 | 4 | 4 | 5 | 5 | 4 | 132 | | 4.40 | | VG | |
| Conciseness | 3 | 3 | 4 | 5 | 4 | 4 | 5 | 4 | 4 | 5 | 4 | 5 | 5 | 4 | 5 | 4 | 4 | 5 | 4 | 4 | 4 | 5 | 4 | 4 | 3 | 4 | 4 | 4 | 5 | 5 | 126 | | 4.20 | | G | |
| Consistency and Understand ability | 4 | 4 | 4 | 5 | 3 | 4 | 4 | 4 | 5 | 5 | 4 | 5 | 4 | 4 | 5 | 4 | 4 | 5 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 5 | 125 | | 4.17 | | VG | |
| Controllability | 4 | 5 | 5 | 3 | 4 | 5 | 4 | 5 | 5 | 4 | 3 | 5 | 4 | 4 | 5 | 3 | 3 | 4 | 4 | 5 | 3 | 5 | 3 | 4 | 5 | 5 | 4 | 3 | 5 | 5 | 125 | | 4.17 | | VG | |
| Data Commonality | 3 | 4 | 3 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 5 | 4 | 4 | 5 | 4 | 4 | 5 | 5 | 5 | 4 | 5 | 4 | 3 | 4 | 3 | 5 | 4 | 5 | 5 | 132 | | 4.40 | | VG | |
| Decomposability | 4 | 5 | 4 | 5 | 5 | 5 | 5 | 4 | 4 | 5 | 4 | 4 | 5 | 4 | 5 | 4 | 4 | 5 | 4 | 5 | 4 | 4 | 4 | 4 | 5 | 4 | 5 | 4 | 4 | 4 | 131 | | 4.37 | | VG | |
| Error Tolerance | 4 | 4 | 4 | 5 | 4 | 3 | 5 | 5 | 5 | 4 | 4 | 5 | 4 | 5 | 5 | 4 | 4 | 4 | 3 | 3 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 5 | 125 | | 4.17 | | G | |
| Execution Efficiency | 4 | 4 | 5 | 4 | 3 | 4 | 5 | 3 | 4 | 4 | 4 | 5 | 4 | 4 | 5 | 4 | 5 | 4 | 3 | 4 | 4 | 5 | 5 | 4 | 4 | 5 | 4 | 5 | 4 | 4 | 125 | | 4.17 | | G | |
| Expandability | 5 | 3 | 4 | 5 | 4 | 4 | 5 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 5 | 5 | 4 | 4 | 3 | 4 | 4 | 5 | 5 | 5 | 138 | | 4.60 | | VG | |
| Generality | 5 | 4 | 5 | 4 | 5 | 4 | 5 | 5 | 4 | 5 | 4 | 5 | 4 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 4 | 5 | 4 | 4 | 4 | 5 | 5 | 4 | 4 | 5 | 135 | | 4.50 | | VG | |
| Hardware Independence | 5 | 4 | 3 | 5 | 5 | 4 | 5 | 5 | 5 | 4 | 4 | 4 | 5 | 5 | 4 | 5 | 3 | 4 | 5 | 4 | 5 | 4 | 5 | 5 | 4 | 3 | 4 | 5 | 5 | 5 | 130 | | 4.33 | | VG | |
| Instrumentation | 5 | 3 | 4 | 5 | 4 | 4 | 5 | 4 | 5 | 5 | 4 | 4 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 3 | 4 | 4 | 5 | 4 | 4 | 129 | | 4.30 | | VG | |
| Modularity | 5 | 5 | 4 | 5 | 5 | 5 | 4 | 5 | 4 | 4 | 5 | 5 | 4 | 4 | 4 | 5 | 4 | 5 | 5 | 5 | 5 | 5 | 4 | 5 | 5 | 4 | 4 | 5 | 5 | 5 | 140 | | 4.67 | | VG | |
| Observability | 4 | 5 | 4 | 5 | 4 | 4 | 3 | 5 | 5 | 5 | 5 | 4 | 5 | 5 | 5 | 5 | 4 | 5 | 4 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 4 | 5 | 4 | 4 | 135 | | 4.50 | | VG | |
| Operability | 4 | 5 | 5 | 4 | 4 | 5 | 4 | 4 | 4 | 5 | 4 | 5 | 4 | 4 | 5 | 4 | 5 | 4 | 4 | 5 | 4 | 5 | 5 | 4 | 5 | 5 | 5 | 4 | 4 | 5 | 132 | | 4.40 | | VG | |
| Security | 5 | 4 | 5 | 5 | 4 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 5 | 4 | 4 | 4 | 3 | 4 | 3 | 5 | 5 | 4 | 5 | 5 | 4 | 3 | 5 | 126 | | 4.20 | | G | |
| Self-Documentation | 3 | 4 | 4 | 5 | 4 | 5 | 5 | 5 | 4 | 4 | 4 | 5 | 5 | 4 | 4 | 4 | 4 | 5 | 4 | 5 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 5 | 4 | 5 | 128 | | 4.27 | | VG | |
| Simplicity | 4 | 5 | 3 | 4 | 3 | 4 | 5 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 3 | 5 | 3 | 5 | 4 | 3 | 4 | 4 | 5 | 4 | 5 | 3 | 3 | 4 | 5 | 4 | 119 | | 3.97 | | G | |
| Software System Independence | 5 | 4 | 4 | 5 | 5 | 3 | 3 | 4 | 5 | 4 | 5 | 4 | 4 | 5 | 4 | 5 | 4 | 5 | 5 | 3 | 5 | 4 | 4 | 3 | 4 | 4 | 4 | 5 | 5 | 3 | 127 | | 4.23 | | VG | |
| Traceability | 4 | 4 | 5 | 4 | 4 | 4 | 4 | 5 | 5 | 4 | 5 | 3 | 5 | 5 | 4 | 5 | 5 | 4 | 4 | 4 | 5 | 3 | 5 | 4 | 4 | 5 | 5 | 4 | 4 | 4 | 130 | | 4.33 | | VG | |
| Training | 4 | 5 | 4 | 5 | 5 | 4 | 5 | 5 | 5 | 4 | 5 | 5 | 4 | 5 | 4 | 5 | 4 | 5 | 5 | 4 | 5 | 5 | 5 | 4 | 5 | 4 | 4 | 5 | 5 | 4 | 138 | | 4.60  151 | | VG | |