APPENDIX H

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 | 5 | | 4 | 5 | 5 | 5 | 5 | | 4 | 5 | 5 | 5 | 5 | 5 | 141 | | 4.70 | | VG |
| Auditability | 4 | 5 | 5 | 5 | 4 | 5 | 4 | 3 | 5 | 5 | 5 | 4 | 5 | 4 | | 5 | 4 | 5 | 4 | 5 | | 4 | 5 | 5 | 5 | 5 | | 4 | 5 | 5 | 5 | 5 | 5 | 139 | | 4.63 | | VG |
| Communication Commonality | 4 | 5 | 4 | 5 | 4 | 4 | 5 | 4 | 4 | 5 | 5 | 5 | 4 | 4 | | 5 | 5 | 5 | 4 | 5 | | 5 | 5 | 4 | 4 | 4 | | 5 | 5 | 5 | 5 | 5 | 5 | 138 | | 4.60 | | VG |
| Completeness | 4 | 5 | 4 | 5 | 4 | 3 | 5 | 5 | 4 | 4 | 5 | 5 | 4 | 4 | | 4 | 5 | 4 | 4 | 5 | | 5 | 5 | 5 | 5 | 4 | | 4 | 5 | 5 | 5 | 5 | 5 | 136 | | 4.53 | | VG |
| Conciseness | 3 | 3 | 4 | 5 | 4 | 4 | 5 | 4 | 4 | 5 | 4 | 5 | 5 | 4 | | 5 | 4 | 4 | 4 | 5 | | 4 | 5 | 4 | 5 | 5 | | 5 | 5 | 5 | 5 | 5 | 5 | 134 | | 4.47 | | G |
| Consistency and Understand ability | 4 | 4 | 4 | 5 | 3 | 4 | 4 | 4 | 5 | 5 | 4 | 5 | 4 | 4 | | 5 | 4 | 5 | 4 | 5 | | 4 | 5 | 5 | 5 | 5 | | 4 | 5 | 5 | 5 | 5 | 5 | 135 | | 4.50 | | VG |
| Controllability | 4 | 5 | 5 | 3 | 4 | 5 | 4 | 5 | 5 | 4 | 3 | 5 | 4 | 4 | | 5 | 3 | 5 | 4 | 5 | | 4 | 5 | 5 | 5 | 5 | | 5 | 5 | 5 | 5 | 5 | 5 | 136 | | 4.53 | | VG |
| Data Commonality | 3 | 4 | 3 | 5 | 4 | 5 | 5 | 5 | 5 | 5 | 4 | 5 | 4 | 4 | | 5 | 4 | 5 | 5 | 5 | | 4 | 5 | 4 | 5 | 5 | | 4 | 5 | 5 | 5 | 5 | 5 | 137 | | 4.57 | | VG |
| Decomposability | 4 | 5 | 4 | 5 | 5 | 5 | 5 | 4 | 4 | 5 | 4 | 4 | 5 | 4 | | 5 | 4 | 5 | 5 | 5 | | 4 | 5 | 5 | 5 | 5 | | 5 | 5 | 5 | 5 | 5 | 5 | 141 | | 4.70 | | VG |
| Error Tolerance | 4 | 4 | 4 | 5 | 4 | 3 | 5 | 5 | 5 | 4 | 4 | 5 | 4 | 5 | | 5 | 4 | 4 | 5 | 5 | | 5 | 5 | 5 | 5 | 5 | | 5 | 5 | 5 | 5 | 5 | 5 | 139 | | 4.63 | | G |
| Execution Efficiency | 4 | 4 | 5 | 4 | 3 | 4 | 5 | 3 | 4 | 4 | 4 | 5 | 4 | 4 | | 5 | 4 | 4 | 5 | 5 | | 4 | 5 | 5 | 5 | 5 | | 4 | 4 | 5 | 5 | 5 | 5 | 132 | | 4.40 | | G |
| Expandability | 4 | 3 | 4 | 5 | 4 | 4 | 5 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | | 5 | 5 | 5 | 5 | 5 | | 4 | 4 | 4 | 5 | 4 | | 4 | 5 | 5 | 5 | 5 | 5 | 138 | | 4.60 | | VG |
| Generality | 4 | 4 | 5 | 4 | 5 | 4 | 5 | 5 | 4 | 5 | 4 | 5 | 4 | 4 | | 5 | 4 | 4 | 5 | 5 | | 4 | 5 | 5 | 5 | 5 | | 4 | 5 | 5 | 5 | 5 | 5 | 138 | | 4.60 | | VG |
| Hardware Independence | 4 | 4 | 3 | 5 | 5 | 4 | 5 | 5 | 5 | 4 | 4 | 4 | 5 | 5 | | 4 | 5 | 4 | 5 | 5 | | 3 | 5 | 5 | 5 | 5 | | 5 | 5 | 5 | 5 | 5 | 5 | 138 | | 4.60 | | VG |
| Instrumentation | 4 | 3 | 4 | 5 | 4 | 4 | 5 | 4 | 5 | 5 | 4 | 4 | 5 | 5 | | 5 | 4 | 5 | 5 | 5 | | 5 | 5 | 4 | 5 | 4 | | 5 | 5 | 5 | 5 | 5 | 5 | 138 | | 4.60 | | VG |
| Modularity | 4 | 5 | 4 | 5 | 5 | 5 | 4 | 5 | 4 | 4 | 5 | 5 | 4 | 4 | | 4 | 5 | 4 | 5 | 5 | | 4 | 5 | 5 | 5 | 4 | | 5 | 5 | 5 | 5 | 5 | 5 | 134 | | 4.47 | | VG |
| Observability | 4 | 5 | 4 | 5 | 4 | 4 | 3 | 5 | 5 | 5 | 5 | 4 | 5 | 5 | | 5 | 5 | 5 | 5 | 5 | | 4 | 5 | 5 | 5 | 5 | | 4 | 5 | 5 | 5 | 5 | 5 | 141 | | 4.70 | | VG |
| Operability | 4 | 5 | 5 | 4 | 4 | 5 | 4 | 4 | 4 | 5 | 4 | 5 | 4 | 4 | | 5 | 4 | 5 | 4 | 5 | | 4 | 5 | 5 | 5 | 5 | | 5 | 5 | 5 | 5 | 5 | 5 | 138 | | 4.60 | | VG |
| Security | 4 | 4 | 5 | 4 | 4 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | | 4 | 5 | 5 | 5 | 5 | | 5 | 5 | 5 | 5 | 5 | | 4 | 5 | 5 | 5 | 5 | 5 | 136 | | 4.53 | | G |
| Self-Documentation | 3 | 4 | 4 | 5 | 4 | 5 | 5 | 5 | 4 | 4 | 4 | 5 | 4 | 4 | | 4 | 4 | 4 | 5 | 5 | | 4 | 5 | 5 | 5 | 4 | | 4 | 5 | 5 | 5 | 5 | 5 | 134 | | 4.47 | | VG |
| Simplicity | 4 | 5 | 3 | 4 | 3 | 4 | 5 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | | 3 | 5 | 5 | 5 | 5 | | 5 | 5 | 4 | 5 | 5 | | 5 | 5 | 5 | 5 | 5 | 5 | 132 | | 4.40 | | G |
| Software System Independence | 4 | 4 | 4 | 5 | 5 | 3 | 3 | 4 | 5 | 4 | 5 | 4 | 4 | 5 | | 4 | 5 | 4 | 4 | 5 | | 4 | 5 | 5 | 5 | 5 | | 4 | 5 | 5 | 5 | 5 | 5 | 134 | | 4.47 | | VG |
| Traceability | 4 | 4 | 5 | 4 | 4 | 4 | 4 | 5 | 5 | 4 | 5 | 3 | 5 | 5 | | 4 | 5 | 5 | 5 | 5 | | 4 | 5 | 4 | 5 | 5 | | 5 | 5 | 5 | 5 | 5 | 5 | 138 | | 4.60 | | VG |
| Training | 4 | 5 | 4 | 5 | 5 | 4 | 5 | 5 | 5 | 4 | 5 | 5 | 4 | 5 | | 4 | 5 | 5 | 5 | 5 | | 5 | 5 | 5 | 5 | 5 | | 5 | 5 | 5 | 5 | 5 | 5 | 144 | | 4.80 | | VG  134 |
| Interpretation Table | | | | | | | | | | | |
| Rate | | | | | | Assessment | | | | | |
| 5.00 – 4.21 | | | | | | Very Good | | | | | |
| 4.20 – 3.41 | | | | | | Good | | | | | |
| 3.40 – 2.61 | | | | | | Average | | | | | |
| 2.60 – 1.81 | | | | | | Fair | | | | | |
| 1.80 – 1.00 | | | | | | Poor | | | | | |

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