

# Test Attributes for Coverage Techniques I

| Attribute/Technique                        | Tours   | Function Testing | Function Int. Testing | ECP            | BVA            | Best Representative | Domain Testing | Test Idea Catalogs |
|--|---------|------------------|-----------------------|----------------|----------------|---------------------|----------------|--------------------|
| Coverage                                   | Core    | Core             | Core                  | Core           | Core           | Core                | Core           | Core               |
| Information value (tester)                 | Core    | Desired          | Core                  |                |                |                     |                |                    |
| Easy to evaluate                           |         | Core             | Core                  | Core           | Core           | Core                | Core           | Desired            |
| Value (stakeholder)                        |         |                  |                       | Desired        | Desired        | Desired             | Desired        |                    |
| Credible                                   |         | Core             |                       | Core           | Desired        |                     |                | Desired            |
| Validity                                   |         | <i>Desired</i>   | <i>Desired</i>        | <i>Desired</i> | <i>Desired</i> | <i>Desired</i>      | <i>Desired</i> | <i>Desired</i>     |
| Power                                      | Desired | Desired          |                       |                | Desired        | Core                | Desired        | Core               |
| Representative                             |         |                  |                       |                | Desired        | Core                |                | Desired            |
| Non-redundant                              |         |                  |                       | Core           | Desired        | Core                | Core           |                    |
| Motivating (stakeholder to request fixing) |         | Core             | Desired               |                | Core           | Core                | Core           |                    |

# Test Attributes for Coverage Techniques II

| Attribute/Technique                              | Multiva-<br>riable T. | Specifica-<br>tion-b T. | Configu-<br>ration T. | Logical<br>Expr. T | State-<br>model-b T. | User<br>Int. T. | Req-b T.       | Compliance<br>T. | Localization T. |
|--|-----------------------|-------------------------|-----------------------|--------------------|----------------------|-----------------|----------------|------------------|-----------------|
| Coverage   | Core                  | Core                    | Core                  | Core               | Core                 | Core            | Core           | Core             | Core            |
| Information value<br>(tester)                    |                       | Core                    |                       |                    |                      |                 |                | Core             | Core            |
| Easy to evaluate                                 |                       |                         |                       | Core               | Core                 | Core            | Core           |                  |                 |
| Value (stakeholder)                              | Core                  |                         | Core                  |                    |                      |                 | Core           |                  | Core            |
| Credible   |                       |                         |                       |                    |                      |                 | Core           |                  | Core            |
| Validity   | <i>Desired</i>        | <i>Desired</i>          | <i>Desired</i>        | <i>Desired</i>     | <i>Desired</i>       | <i>Desired</i>  | <i>Desired</i> | <i>Desired</i>   | <i>Desired</i>  |
| Power  |                       |                         |                       |                    |                      |                 |                | Core             |                 |
| Representative                                   |                       |                         | Desired               |                    |                      |                 | Desired        |                  |                 |
| Non-redundant                                    |                       |                         |                       |                    |                      |                 |                |                  |                 |
| Motivating<br>(stakeholder to<br>request fixing) |                       |                         | Core                  |                    |                      | Core            |                |                  | Desired         |