**Solution Selection Matrix Example**

**Purpose:** *Use this learning aid to review a completed solution selection matrix*.

| **Solution selection matrix** | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Shipping time** | **Labeling defects** | **Wrong components shipped** | **Incorrect component assembly** | **Overall Impact Rating** | **Cost Rating** | **Risk Rating** | **Overall Rating** |
| **Significance Rating** | 3 | 2 | 5 | 4 |  |  |  |  |
| **Potential Improvements** | Impact Rating | Impact Rating | Impact Rating | Impact Rating |  |  |  |  |
| Change the MRP system | 4 | 4 | 3 | 2 | 43 | 2 | 2 | 172 |
| Change the performance incentives for on-time delivery | 2 | 1 | 4 | 5 | 48 | 3 | 3 | 432 |
| Broaden the responsibility for preparing shipments | 3 | 3 | 4 | 5 | 55 | 4 | 4 | 880 |
| Reorganize the assembly storeroom | 3 | 2 | 5 | 2 | 46 | 4 | 4 | 736 |

**Course:** Design of Experiments and Validation of Solutions in Six Sigma  
**Topic:** Identifying and Selecting Solutions