# **ATS Requirements Traceability Matrix**

**Appendix A// Requirements Traceability Matrix**

**Algorithmic Trading System software**

**Requirements Traceability Matrix**

**(RTM)**

| **Requirement Name** | **Priority** | **Risk** | **System Interface** | **Validation Method(s) \*** | **Formal Test** |
| --- | --- | --- | --- | --- | --- |
| Data Collection from API | H | H | 4.2 | D,T,A,I | Unit  Test |
| Data Collection via alternative API | L | L |  | D,T,A,I | Unit  Test |
| Data Validation and Cleaning | H | H | 4.2 | T,A,I | Integration Test |
| Automatic Data Insertion into OLTP Database (2NF) | H | H | 4.4, 4.5 | A,I | Unit  Test |
| Data Stored in OLTP Database | H | M | 4.6 | D,T,A,I | Acceptance  Test |
| User Interface accessibility | H | H | 4.4, 4.5 | T,A,I | Integration  Test |
| Configuration changing | H | H | 4.7 | D,T,A,I | Integration  Test |
| System logging | M | L |  | D,A | Acceptance Test |

Table 1: Requirements Traceability Matrix(RTM)

**Field Descriptions**

| **1.** | **Requirement Name** | A short description of the requirement to be satisfied |
| --- | --- | --- |
| **2.** | **Priority** | High (H), Medium (M), Low (L); to be negotiated with customer and remains **fixed** throughout System development life cycle |
| **3.** | **Risk** | High (H), Medium (M), Low (L); determined by technical staff and will change throughout System development life cycle |
| **4.** | **System Interface** | Paragraph number from section 4 of the SysRS. |
| **5.** | **Validation Method(s)** | Method to be used to validate that the requirement has been satisfied. The methods include: Demonstration (D), Testing (T), Analysis (A), Inspection (I) |
| **6.** | **Formal Test Paragraph** | This will indicate the test to be executed to satisfy the requirement. |