Test Strategy Steps – IDTS (class)

• Assess Testability – Each factor on a scale of 1 to 5;

– Operability - 4

– Controllability – 5 (since automation / performance testing will be applicable)

– Observability – 5 (since lot of end user testing is involved)

– Simplicity - 5 (since lot of end user testing is involved)

– Understandability - 4

– Suitability - 3

– Stability - 2

• 1 – Low; 5 – High; All low factors to be - marked as it will affect test plan adversely

• Assess Test factors that Must be considered for testing the software

– Authorization

– File Integrity

– Continuity of Processing

– Access Control

– Reliability

– Performance

• Identify lifecycle stages when V & V strategy should be applied

– Authorization – Integration Testing

– Correctness-Integration Testing

Contuinity of Processing-Post UAT

Access Control- System Testing

Reliability-Production

Performance-System Testing

Integrity-System Testing

• Assess drivers that would influence the testing

– Authorization – Integration Testing – Quality Control

– File Integrity – System Testing - Training

– Audit Trail – UAT – Planning - Use of Process

– Continuity of Processing – Post UAT (production) – Management Support

– Access Control – System Testing – Training

– Reliability – Post UAT (production) – Efficiency

– Performance – System Testing – Tools

• Determine for life cycle/factor combinations (Methodology/Approach/Focus/Method)

– Authorization – Integration Testing (Verification/Black box/Functional/Dynamic)

– File Integrity – System Testing (Verification/Whitebox/Structural/Dynamic)

– Audit Trail – UAT (Validation/Blackbox/Functional/Dynamic)

– Continuity of Processing – Post UAT (production) (Validation/Blackbox/Functional/Dynamic)

– Access Control – System Testing (Verification/Blackbox/Functional/Dynamic)

– Reliability – Post UAT (production) (Validation/Blackbox/Functional/Dynamic)

– Performance – System Testing (Verification/Blackbox/Functional/Dynamic)

Test Plan – IDTS

1. Test items – IDTS Application Name

2. Software risk issues – Security of the application, Performance, Covering all OS/Browser combinations, Live feed testing

3. Features to be tested -Admin functions, Manager and member functions, Customer functions

4. Features not to be tested –Newer version of the system (scope is not clear)

5. Approach – Combination of Black box and White box

6. Item pass/fail criteria – Will be detailed in test cases. Application will be considered passed if there are less than 5 minor bugs, maximum of 1 major bug and no show stoppers

7. Suspension & Resumption criteria – Showstoppers in the application / Non availability of resources (ex : OS/browser combinations)

8. Test deliverables – Source code, Test Reports for Integration and System testing, Test cases for UAT, Reviewed Manuals, Defect Reports and Defect Metrics

9. Staffing & training needs – Training on domain and performance testing tool

10. Responsibilities – Project Manager, Test Lead, Test Engineers , Tool specialists and Customer/End Users

11. Schedule: Time to complete the work