**Baseline SCIs**

**SAMS (The overall project)**

1. Planning – Development team meeting (3 hours)

a. Project management

i. Business opportunity with new website development meeting stakeholders for project pitch.

ii. Time needed to complete the project will be 3 months (12 weeks), broken down into 2

week sprints.

b. Configuration management

i. Selection of team members to work on project and allocate resources

ii. Daily team member meetings lasting 1 hour for daily progress reports

1. Identify CIs document

Services – email, printing, collaboration, presentation, data processing, user registration.

Software – applications, databases, virtual machines, containers, licenses.

Hardware – servers, routers, computers, switches, printers.

Device – laptops, tablets, smartphones, monitors, keyboards, mice

Documents – policies, governance, release notes, user guides, troubleshooting manuals.

Locations – offices, data centers, server rooms.

Staff – service desk agents, support specialists, developers.

c. Risk Management

i. Identified Risks – The stakeholder requirements could be in conflict with each other, the estimate is not based on historical throughput, team members are allocated to multiple projects, the project was approved without team support, third-party miss’s product deadlines.

2. Interation\_1.1

a. Planning – design requirements milestone team has two weeks to come up plan (7/12/21 to 7/26/21).

b. Requirement – team meets daily for planning updates.

c. Design – team has to approve a software design within two weeks (7/12/21 to 7/26/21).

d. Implementation – product implementation upon unit test cases and source code lists.

e. Integration – test reports milestone team must do integration tests.

f. Validation – three team members are responsible for the daily test reports on the

validation of product code.

3. Iteration\_2.2

a. Planning – the goals for the planning process are still a working plan, teams must be done with this part in the next two weeks (7/26/21 to 8/2/21).

b. Requirements – teams are responsible for delegating refinement to any code in the project.

c. Design – expanded use cases and behavior diagrams are to be handed in no later than 8/2/21.

d. Implementation – product implementation upon unit test cases and source code reports due by 8/2/21.

e. Integration – pitch to stakeholders cannot be done until the integration reports show success on project milestone.

f. Validation – team works on developing an installation manual for testing validation by 8/2/21.

4. Interation\_3.3

a. Planning – a delivery schedule to the release of the project in time for stakeholders meeting.

b. Requirements – Milestone teams meet to discuss and finalize project requirements.

c. Design – teams still meeting on a daily basis to report any updates to the project design.

d. Implementation – project milestone the integration tests and reports are showing that project implementation is a go.

e. Integration – team a and team b are required to work on developing daily reports that show overall progress of project.

f. Validation – team A will submit the final project validation and submit user’s guide to project operation.

5. Identify SCIs associated with each baseline.

a. Planning – document requirements, use cases, and case diagrams.

b. Requirement – update to planning, project refinement.

c. Design – software design, behavioral diagrams, test plans.

d. Implementation – unit test cases, source code and unit test reports.

e. Integration – test cases, test reports, case study.

f. Validation – validate test cases, test reports, installation manual and user’s manual.

6. Define a naming scheme to each type of CI Identified.

a. Presentation – PR-01

b. Data Processing – DP-02

c. Applications – AP-05

d. Databases – DB-18

e. Servers – SR-03

f. Computers – CO-78

g. Printers – PR-26

h. Hardware – HW-55

i. Policies – PO-03

j. User Guides – UG-58

k. Troubleshooting – TS-12

7. Identify the events that will mandate changes to each type of CI Identified.

a. Software deficiencies, hardware changes, operational requirements, improvement and enhancement requests, changes to budget, project duration and schedule.

8. Describe what information should be included in an ECP, engineering change proposal.

a. description of the proposed changes.

b. identification, of originating organization or developer.

c. rational for the changes.

d. identification of affected baselines and SCIs.

e. effort, time, and cost required to implement the proposed changes as well as the priority of each of the proposed changes.

f. impact of project schedule.

9. Change Control Auditing

a. Defining mechanisms for establishing and formally establishing a baseline.

b. Configuration item verification.

c. Configuration item validation.

d. Ensuring that changes specified in approved ECPs are properly and timely implemented.

10. Describe the methods to ensure that the identified CIs entered in the SCM system for change.

a. version control

b. workspace management

c. concurrency control

d. system build

e. support to SCM process