

SYS800 Report Diagrams

Working Copies

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Project Charter Template

SAND2020-1230995

Problem/Opportunity Statement: Currently the black box system is in the design and development phase. As the system design undergoes qualification & transitions to the production phase it will be key to evaluate, determine and integrate accident based requirements and capabilities into the design	Dates: Sept 2020-November 2020 (Master’s Project) <ul style="list-style-type: none">9/22/2020: Identify Stakeholders & pinpoint scope & needs9/28/2020: Prework for feasibility study begins10/14/2020: Official project & feasibility study ‘kick off’10/31/2020: First Draft of Master’s paper submitted11/30/2020: Final Master’s Project Report submitted4/1/2021: Design Begins
Design Objectives: <ul style="list-style-type: none">The system will include....The system shall be able to....If project parameters allow, the system should be incorporated into parts of design	Champion: Manager Sponsors: Lead Team Lead: Dulce Barrera
Project Objectives: <ul style="list-style-type: none">Identify system(s) that will be used to develop the design & will contain the design detailsLink communication channels and increase knowledge sharing between designers and accident response teamConduct work per the existing processes, designs, & procedures. Develop and implement additional tools as needed (Optimal solution & continuous improvement focus)	Team Members: <ul style="list-style-type: none">Design Subsystem Lead 1Design Team member 1 (SME)Design Subsystem Lead 2Accident Response Team Lead 1Accident Response Team Member 2Accident Response Team Member 3Design Team Emergency Response Lead & Point of Contact (POC)Systems Engineering LeadSystems Engineering Team memberQuality engineer
Scope Information: <ul style="list-style-type: none">Scope includes the design capabilities, procedures, and processes that meet the needs of our customersThis Project facilitates design and requirements to meet both short-term and long-term customer business objectives & requirements	Strategic/Business Objective Tie: <ul style="list-style-type: none">Align accident response and design team mission, organizational objectives, goals, milestones, performanceDrivers:Key Terms:
Project Constraints: <ul style="list-style-type: none">Resources (people), project schedule, limited fundingSecurity constraints: Broad spectrum of portioning of information in various classification categories	
Deliverables: <ul style="list-style-type: none">Documents: Feasibility Study & Project PlanIdentification of integrated mission, organizational objectives, goals, milestones, & systems engineering elements Schedule Summary: <i>(Sept 2020-November 2020) Project Plan/Strategy identifying the optimal solutions, tools, & processes (April 2021-Aug 2021) Definition of Design, design development and integration</i>	

Scoping**Step 1**

- Conduct a Market Survey & Interviews

Step 2

- Identify Objectives & Generate the Problem Statement
- Understand OPS/CONOPS & identify criteria of importance (people vs system)

**Develop &
Evaluate
Alternatives****Step 3**

- Generate Possible Ideas/Methods (SME input – Technical, processes, and information management solutions)

Step 4

- Evaluate Alternatives (PICK Chart/Weighed Decision)

**Identify
Tentatively
Selected Plan****Step 5**

- Identify leading alternative based on analysis & define supporting feasibility attributes (Cost, Schedule, Implementation Details including assembly model & milestones)

**Leadership
Decision****Step 6**

- Inform Project Executives/Leads. Present Recommended path/solutions

Emergency Response Team

Interview 2:
Emergency Response Team
interviewed
Number of interviewee(s): 3

Design Team

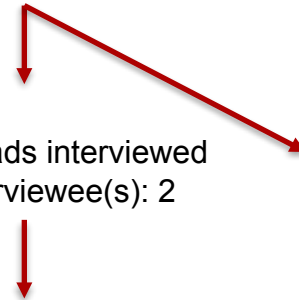
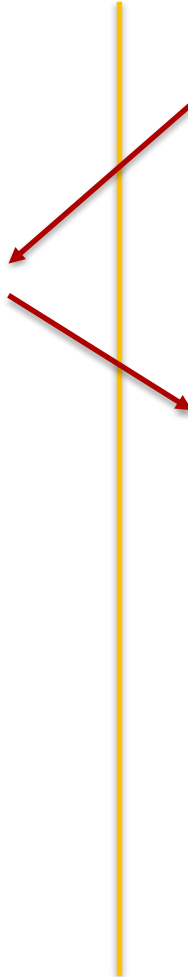
Interview 1:
Team member tasked with action from
Design Review interviewed
Number of interviewee(s): 1

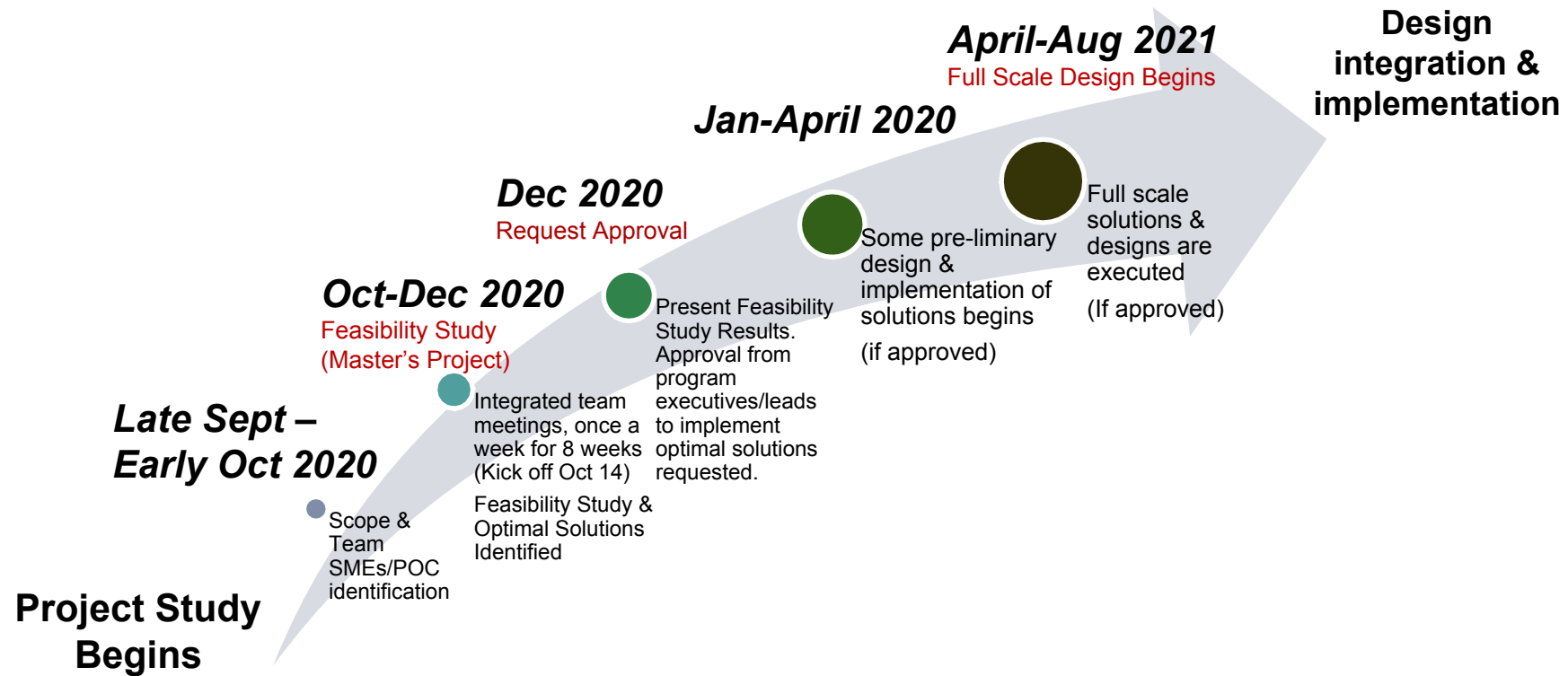
Interview 3:
Design Team Emergency
Response Lead/POC interviewed
Number of interviewee(s): 1

Interview 4:
Subsystem Leads interviewed
Number of interviewee(s): 2

Interview 6:
Designers for subsystems (Subject
Matter Experts) interviewed
Number of interviewee(s): 2

Interview 5:
Systems Engineers Interviewed
Number of interviewee(s): 2





Start of Process: Accident Occurs				End of Process: Resume Normal operations	
Black Box System Users/Owners	2. Users/Owners conduct initial assessment of changes		6. Recommendations are provided to User/Owners by the Designers & Emergency response team		9. User/Owners implement approved recommendations
Black Box System	1. Black box system goes through changes caused by accident (Change in condition)		5. Black Box system is assessed by designers & Emergency response team		10. Stakeholders agree changes are mitigated and that normal operations can resume
Black Box System Designers	3A. Designers are notified by Users/Owners	4B. Designers meet with Users/Owners			
Emergency Response Team	3B. Emergency Response Team is notified by Users/Owners	4B. Emergency Response Team meets with user/owners			
Regulatory Agencies			7. Regulatory agencies receive request from user/owner implement recommendations	8. Regulatory agencies approve or deny request	