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JOB EGS6626 - Module 10 & PM Meeting

SHEET NO. 01 OF 02
CALCULATED BY A. NOTO, E.I. DATE 3/9/21
CHECKED BY _____ DATE _____
SCALE N/A

DRONE TECH ASSIGNMENT #2

PM to assign a Project Controls Engineer (PCE) for MSP → OSHO

DELIVERABLES

- 1) MSP Set up → The project start date & working calendar ([pdf](#))
- 2) Prelim Work Breakdown Structure (WBS) using MSP. Have a hierarchical outline of the project activities ([mpp](#))
- 3) Hierarchical organization chart of entire project team. Can use Excel ([pdf](#))
- 4) Gantt chart with project milestones ([pdf](#))
- 5) Enter duration of all tasks into the WBS. Use MSP ([pdf](#))
- 6) Network diagram of tasks in WBS in MSP showing critical path ([pdf](#))
- 7) Submit entire MPP file ([mpp](#))

PM MEETING

WBS & NETWORKS IN DRONE TECH 2

Exam 3 Window → 3/14/21 to 3/21/21

- Quality, Client Relationships, Chartering, Scope Development Regiments, WBS, Network Diagrams
- Study guide on Canvas
- Reading general concepts, not a lot of details (two takeaways)
- 125 pts, multiple choice, matching, T/F, short essay, 60 min

Exam 4 → moderate calcs using Earned Value Techniques

Drone Tech 2 Assignment Overview

- First use of MSP
- Concept of Project Control Engineer
 - * Use UF apps, PMs use MSP & assign a couple SMEs (Subject Matter Experts)
 - Similar to a PCE
 - PCE's use the company's primary software to track projects
- Changes in scope okay based on DT1 comments (this holds for all subsequent assignments)
 - * Pay attention to grading comments
- Follow all instructions on submittals
 - * Be careful with your deliverable uploads. Have to pay attention to scaling (Gantt)
 - Change time scale to compress it

Thoughts on the WBS

- You're creating a task list of everything you need to do.
- It MUST contain every task to complete the project
 - Requires resources, end in a deliverable, takes time to complete
- Accurate WBS enables accurate & complete budget & schedules later
- Pay attention to other non-technical tasks needing (including PM)
 - from Case Study
 - Most important: Project Mgmt.
- Use SOW from Assignment 1 as the WBS Basis
 - Good detailed scope ~~writeup~~ writeup will make WBS creation easier
 - Less detailed: need to fully think through all tasks that must be done



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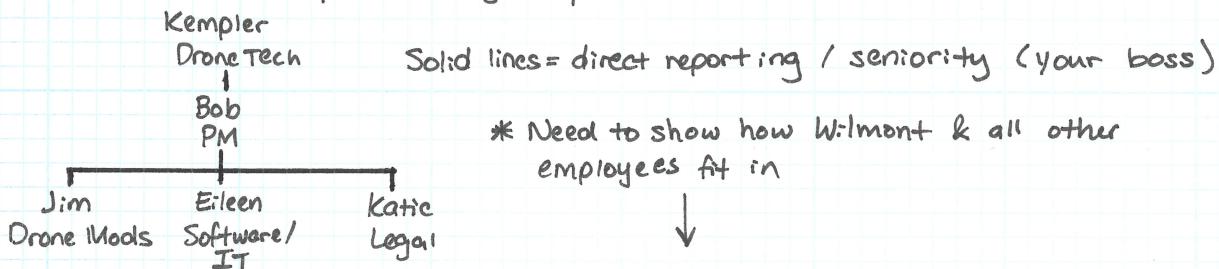
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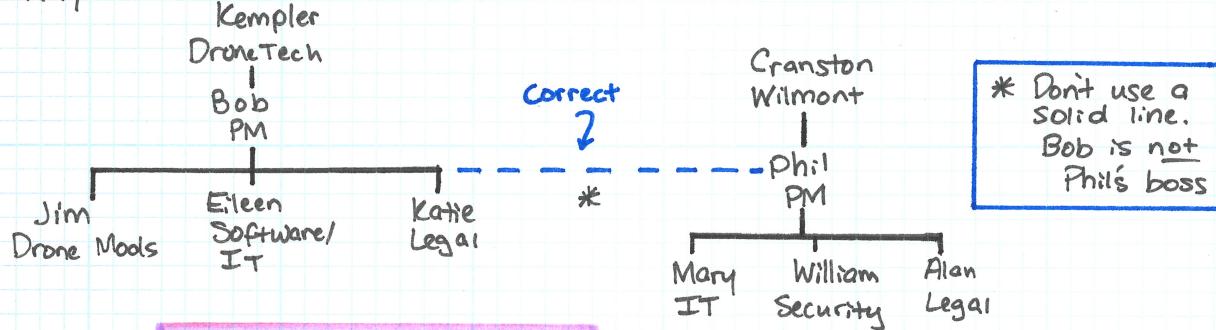
Thoughts on the WBS ctd.

- * Don't break it down into too much detail
- You'll have to make assumptions as necessary but you can't know everything about the project at this point
- Can set up task as a Level of Effort or have a monthly report as a deliverable (meeting w/ client, status report, team meeting once/quarter)
- Have a separate task called Project Mgmt.
 - Just have deliverables w/ a time & a level of effort

Organization Chart Concepts - Wrong Way



Right Way



SHOW ALL STAFF IN CHART

Building the Network Diagram in MSP

- Two approaches
 - Use yellow stickies to develop the ND & input into MSP
 - Directly input dependencies into MSP
- * All you need: For a given task, what are the predecessors?
- * MSP milestones → Tasks with no duration & has predecessors
 - Can change critical path color in MSP
 - Need to put working days for MSP (will ask you about holidays)
- * Start date: Jan 2021 (1/5/21)