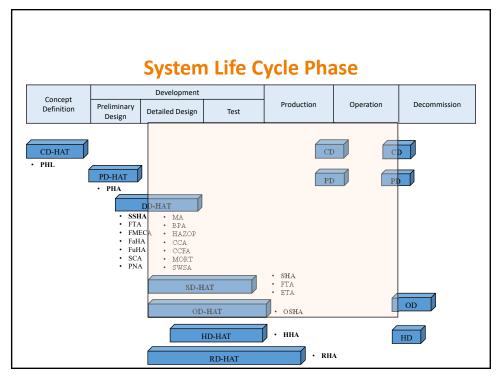
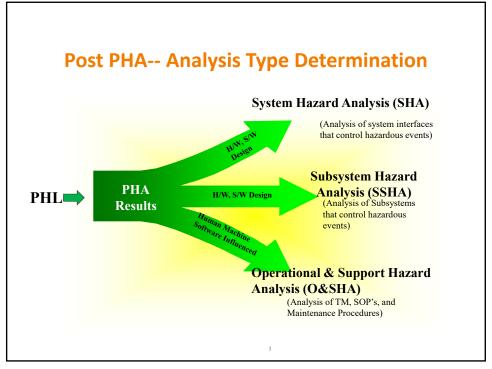
Ch 11 Operating & Support Hazard Analysis (O&SHA)

FPST 4333

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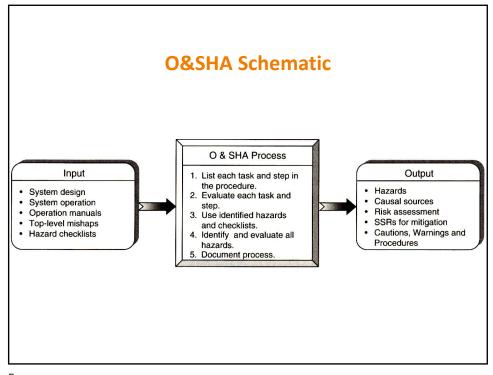
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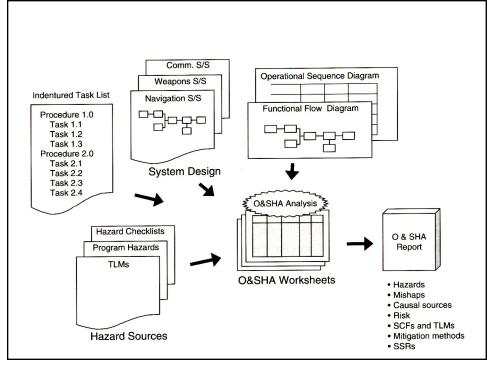


Operating and Support Hazard Analysis (O&SHA)

- Identify hazards in system operational tasks and associated
 - Hazard causal factors
 - Effects
 - Risk
 - Mitigation methods
- Integrally evaluate operational procedures, system design, and human system integration (HSI) interface to assess the safety of operations

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Definitions



Operation

Performance of procedures to meet an overall objective.



Procedure

Set of tasks that are necessary to accomplish an operation.



Task

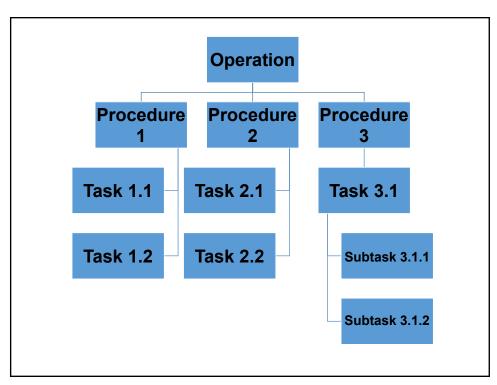
Element of work that together with other elements of work comprises a procedure.



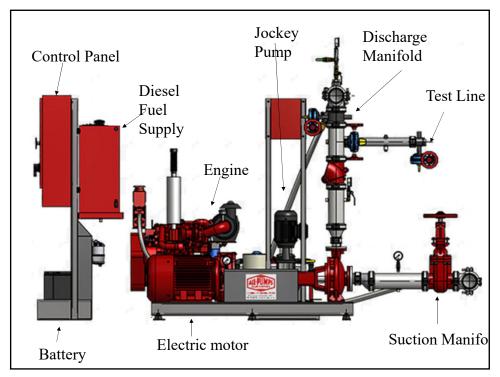
Subtasks

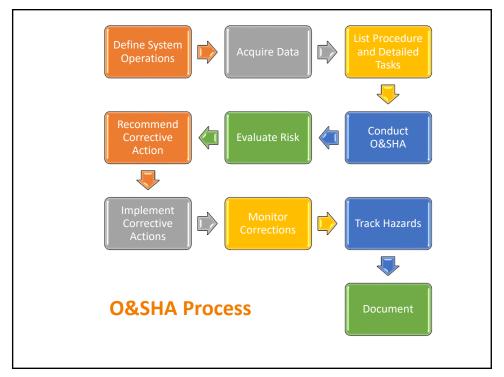
An act that must be completed as an element of completing a larger and more complex task.

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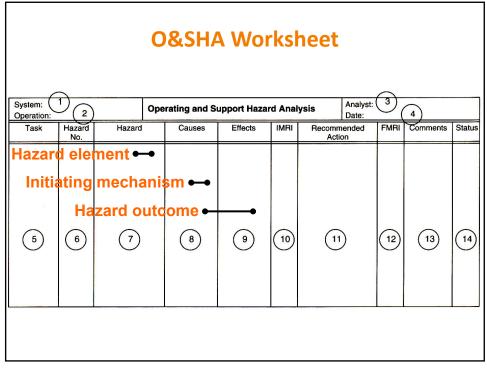


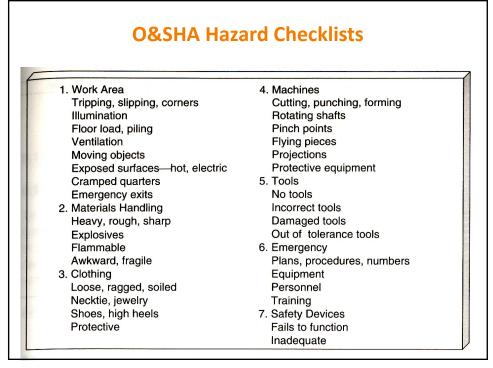
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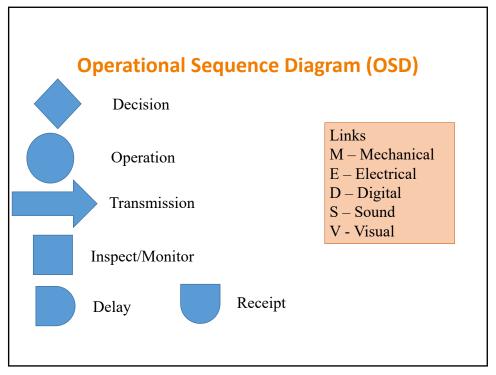


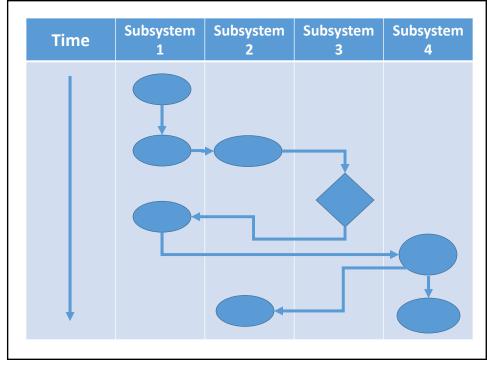
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Common Mistakes in O&SHA

- Some procedural tasks have not been identified, are incomplete, or have been omitted.
- The hazard description is incomplete, ambiguous, or too detailed.
- Causal factors are not adequately identified, investigated, or described.
- The mishap risk index (MRI) is not stated, is incomplete, or is not supported by the hazard information provided.
- The hazard mitigation does not support the final MRI.

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