

The Common part between Project Management and Systems Engineering is the direction of will or value which is expressed by PMD(Purpose Measure Diagram)

Relationship between Project Management, Systems Engineering and Work package WBS

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The definition of Scope and SOW (statement of work) areas follows.

Scope is consisted by ①、⑤、⑥ to show the extent of the work result in order to realize the Common Will of PM & SE.

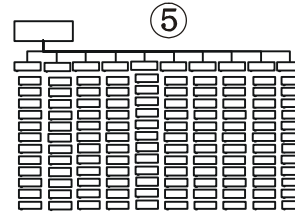
Statement of Work is the do work in order to realize the Common will of PM & SE..

Therefore, "Statement of Work" have to state the do work contents of ②,③,⑦ briefly by statement.

It is recommended to express the Statement of work briefly to use the Steplist format, because to clearly state the input and output work and decision point of full scale development go-ahead to change inductive to approach to deductive approach..

Systems Engineering

Parent and Children relationship of thing and/or system structure WBS



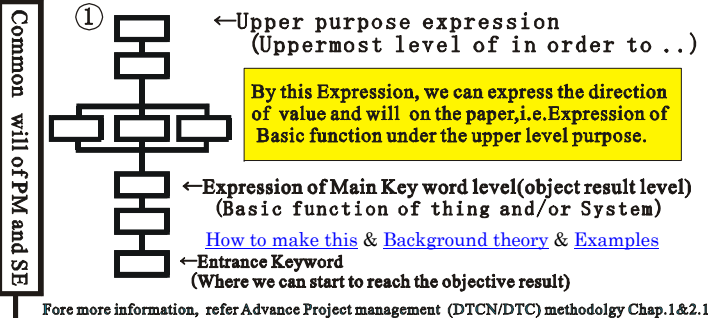
[How to make the most appropriate one](#)

Parent and Children relationship WBS of Assuring Items (Cost, Safetiness, etc.) WBS

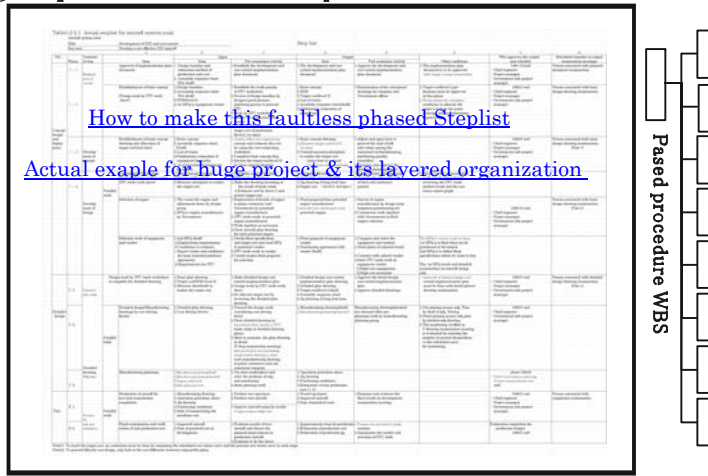


These assuring Items (Cost, Safetiness, etc.) are assured in creating process of things and/or system structure and function flow block diagram of input and out process

Purpose Measure Diagram WBS (PMD) (=Will to do something)



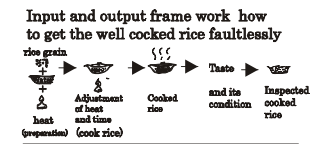
② Steplist which divide Phased steps→Gantt→Procedure WBS



⑦ Work package WBS

Work Package WBS are completely created by combining "Thing and/or System WBS" and "Assuring items (Cost, Safety, etc.) WBS" above with "Phased procedural WBS" left side, and must be assimilated in Phase Project Process and its schedule.

Each elements in "Work package WBS" are consisted and arranged similarly for procedural input-output sequence of the same as the faultless four frames of Step list as below to cook the well cooked rice for the customer needs. This is the well defined "Work package WBS"



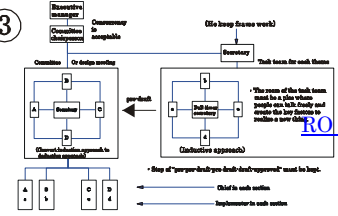
Input		Output	
Item	Pre assurance activity	Item	Post assurance activity

[Use faultless four frames mechanism of Steplist Method](#)

For more detail, refer the chapter 2 of Advanced Project managenet ' DTCN/DTC methodology

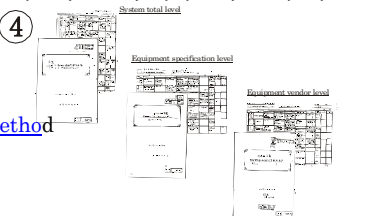
Project Management

③ Organization organized with Inductive and Deductive Approach (Root organized Organization)



For more detail, refer the chapter 2 & 3 of Advanced Project managenet (DTCN/DTC) methodology

④ Layered Implementation plan by Layered Steplist for Project implementation



Explanation of relationship between Systems Engineering, Project management, many kind of WBS and work package WBS

- ① is Purpose measure WBS to realize the common will of SE and PM (Say PMD-WBS)
- ② is Faultless Phased Procedure WBS to realize the will of SE and PM(Say Steplist WBS)
- ③ is Organization organized with Inductive and Deductive Approach (Root organized Organization) to realize ②
- ④ is layered organized prime and sub-contractor procedural WBS system to realize ②
- ⑤ is "Thing/System structure WBS" to realize the function and its result of Thing/System
- ⑥ is The parent and children relationship WBS of assuring items structure.
- ⑦ is Work Package WBS effectively to realize the ⑤ and ⑥