

<p><u>Background</u></p> <ul style="list-style-type: none"> • To design something, the process aren't externalized suitably • Slow growth of designer • Same mistake of design 	<p><u>Objective</u></p> <p>For design completeness, to capture from veteran's know-how and externalize design process</p>																			
<p><u>Phase</u></p> <pre> graph TD A[Concept] --> B[Feasibility] B --> C[Verify] C --> D[SOP] D --> E[Terminate] </pre> <p>Concept gate (between Concept and Feasibility)</p> <p>Design gate (between Feasibility and Verify)</p>	<p><u>Who</u></p> <table border="1"> <thead> <tr> <th>Phase</th> <th>Project Leader</th> <th>Engineering</th> <th>Production Engineering</th> <th>Production</th> <th>Coordinator</th> </tr> </thead> <tbody> <tr> <td>Concept</td> <td>Y</td> <td>Y</td> <td>Y</td> <td>Y</td> <td>Project leader/Quality</td> </tr> <tr> <td>Design</td> <td>Y</td> <td>Y</td> <td>Y</td> <td>Y</td> <td>Engineer/Quality</td> </tr> </tbody> </table>		Phase	Project Leader	Engineering	Production Engineering	Production	Coordinator	Concept	Y	Y	Y	Y	Project leader/Quality	Design	Y	Y	Y	Y	Engineer/Quality
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Concept	Y	Y	Y	Y	Project leader/Quality															
Design	Y	Y	Y	Y	Engineer/Quality															
<p><u>Procedure</u></p> <ol style="list-style-type: none"> 1. One of tools for <u>Quality into process for design</u> 2. Use big paper and veteran + new member, talk and externalize design process 3. First clarify output of final products and decompose input and output 4. Start from left side to right side, final output will be parts number at right-side 5. Turing or evaluation points must capture criteria 6. Any alternatives must capture, even discovered by "try and error" 7. Finally trace together the design process & process 																				
<p><u>Output</u></p> <p>Externalized Design process & process</p>	<p><u>Result</u></p> <p>Improve design completeness.</p>																			
<p><u>Comment</u></p> <p><u>Quality into process for design</u>, Process & Process is one of important tools.</p> <ol style="list-style-type: none"> 1. Feedback sheet 2. Process & process 3. Design check sheet 4. Design Review <p>It's kind of Value stream mapping for design, but integrated a system.</p>																				