

Design Check Sheet



<p><u>Background</u></p> <ul style="list-style-type: none"> • Engineers have different levels of design skill • Outflow of design mistake occurred sometimes 	<p><u>Objective</u></p> <p>Eliminate design mistakes and enforce standardized process by check sheet and procedures; improve design quality</p>										
<p><u>Phase</u></p> <pre> graph TD A[Concept] --> B[Feasibility] B --> C[Verify] C --> D[SOP] D --> E[Terminate] </pre> <p style="text-align: center;">DR-2</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>Coordinator</th> </tr> </thead> <tbody> <tr> <td>DR-2</td> <td>(Y)</td> <td>Y</td> <td>Y</td> <td>Engineering</td> </tr> </tbody> </table>	Phase	Project Leader	Engineering	Production Engineering	Coordinator	DR-2	(Y)	Y	Y	Engineering
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DR-2	(Y)	Y	Y	Engineering							
<p><u>Procedure</u></p> <ol style="list-style-type: none"> 1. Every engineer must check this sheet after complete of design or drawing 2. The sheet is only one page and up-to-date consistently as needed 3. Deliver copies of the check sheet attaché with drawing to related organizations; it should show clearly objective and countermeasure 4. Weight, prototype & product cost, investment also include 5. The manager also signs off in check sheet 6. Five kinds of check sheet from planning and drawing phase <ol style="list-style-type: none"> 1: Planning phase of drawing check sheet 2: Drawing phase 1 Order/Final check sheet 3: Drawing phase 2 / Final check sheet 4: Design Change Check Sheet 5: Additional or optional specification setting check sheet 											
<p><u>Output</u></p> <p>Attached example shows more detail</p>	<p><u>Result</u></p> <p>Improve design completeness.</p>										
<p><u>Comment</u></p> <p>This sheet is up-to dated June 2005. Toyota uses PRO/E and CATIA V5, but still they use this kind of check sheet. Existing CAD is some helps for design evaluation, but quality and pre-production needs like this sheet. If new technical information discovered, it would be revised immediately.</p>											