

IS IT VALUE ENGINEERING? - I

- 1 Have Use Function and Asthetic Function been separated?
 - 2 Has "Value" -- Appropriate Cost -- been determined for each Function, by comparisons which are totally separate from "Past Practice"?
 - 3 In determining the "Value", is the definition "Value is the lowest cost which will reliably accomplish the Function" used?
 - 4 Is this "Value" then used for a temporary measurement, with a determination to succeed in the "Search" and "Thinking" required to actually achieve near this "Value"?
 - 5 Has the present or expected cost been determined for each Function, separating the Use from the Asthetic Function cost?
 - 6 Is our thinking, in preparing evidence for our Decision Making, all on the basis of cost per year, or per total order, rather than a cost per piece, or per single function basis?
 - 7 Have we dropped the name of the material or part out of our thinking, tabulations and considerations, using instead, a statement of the Function it does for the customer.
 - 8 When the term "Function" is used in all of the above considerations, do we always mean, and often say "Function the customer wants"?
 - 9 Has the single Function, or Function Group being studied been named very specifically in about 6 different ways, most of which consist of a verb and a noun?
 - 10 Has the particular name which propels the mind toward solutions, been selected for use in all considerations?
 - 11 Has all of the cost of the product, or system, or organization or service been assigned Function Names?
 - 12 Have Total Functions been divided, and re-divided into sub-Functions so that cost, Value, Comparison, and other considerations are all based upon a Function Group the proper size for effective "alternative method" considerations?
 - 13 Are single Functions sometimes grouped for the same purpose?
 - 14 Examine some specific items and determine how many of the 13 VA or VE Techniques have been used. These techniques are for the purpose of preventing the end of the effort before the planned economic benefits have been achieved.
- If, in the pursuit of better Value, Functions have not been identified and evaluated by comparison, then the process has been VA or VE.