Value Analysis Presentation...General Trudeau...Washington, D. C.
L. D. Miles June 1, 1961

What are your questions?

Questions from audience...

How can you use value engineering at the development stage to produce savings in both development and production?

I would like to better understand the interface between research and development and production in order to reduce lead time and cost.

Does this apply, for example, in missile systems across the board from the largest to the smallest part or groups of parts?

I would like to see examples of how it has been effective in the past.

Is a separate organization needed or is it part of the work of a normal staff?

How can we make design engineers value conscious?

Eng - Purch VP
Research - Identify sooner
2-1 4 million
Highlights
New system of techniques
Value - appropriate performance
- appropriate cost

Eng. VP named VA
Now also VE

Improved Q, Reliability
Shortened development and pre-mfgrg time.

On military 50-60% unnec.
compet. comm'l 25-40

New depth of knowledge of anatomy of unnecessary costs

KAPL

Will show
What VE tech. system is
Where problem and op. areas are
Some suggested actions
Some examples of how it works

All function based

Ident. function strip ea. situation to its heart

Eval. by comparison
Spacer stud
Filter circuit
200 gals.

People - not technical problem
~ 10 of cost in R & D product is unknown technology

People who don't know VE tech. see familiar parts and say -
Have always done it!

Rules - written and unwritten
practices

Personal loss at decision making.

Decide 1/2 cost and 1/2 time - make arrangements to do it

Vib. ation transfer (get cons.
(get training

Won't be one out of ten that can't be made more reliably for 1/2 the cost as far as technology concerned.

Mgt. of Armed Services and of industry must create the people environment and/or people changes then double the weapons in less time can become a reality.