FAILURE-EFFECT-CAUSE

...or “over hill, over dale”...

THE FIRST IMPORTANT PRINCIPLE OF PFMEA

A failure (FM) is caused by a cause (FC), and itself causes effects (FE).

THE SECOND IMPORTANT PRINCIPLE OF PFMEA

A failure (FM) describes a " wrong product," not a " wrong process."

FM

FAILURE

A failure is what can be "seen" by a customer who does not see the manufacturer (because he is "behind the mountains, behind the forests"), and sees only the product.

Example: an isolated wire in a lamp.

FC

CAUSE

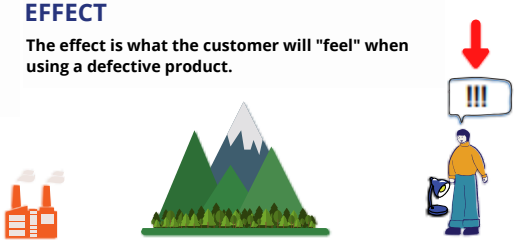
The cause is what the customer doesn't see happening during production.

Example: the sharp edge of a damaged machine.

FE

EFFECT

The effect is what the customer will "feel" when using a defective product.



Example: electrocution.