Drivers, Requirements & Design

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ETVX Process Model

Data and Information

Objectives

- **G**oal or task trying to accomplish but cannot be performed
- **F**act about the environment (technical, business, etc.)
- **S**ymptom of problem
- Recent **C**hange in the environment
- Likely **C**ause of the problem
- **N**egation or **F**act clearly ***irrelevant*** to the problem
- **F**ix for the problem

- **Context** - Purpose for which the data was gathered
- **Category** - Units of analysis or key components of the data
- **Calculated** - Mathematical or statistical analysis
- **Corrected** - Errors have been removed from the data
- **Condensed** - Optional summarization of the data

- **Comparison** - How does information in this situation compare to similar situations?
- **Consequences** - What implications does the information have for decisions and actions?
- **Connections** - How does this piece of information related to others?
- **Conversation** - What do other people [experts, consumers, etc.] think of this information?

- **Complete** - Ensure that complete to convey the message.
- **Concise** - Do not let the message get lost in a sea of unneccesary words.
- **Symetrical** - Information available resources and knowledge centers.
- **Verified** - Did we get the right information?
- **Validated** - Does information trace back to data?

Management Information Value Chain