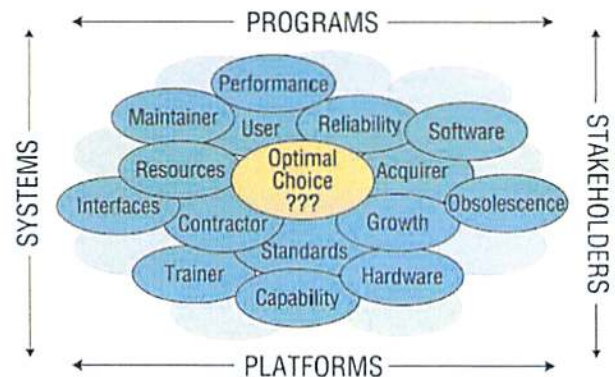


AAAT – ASSETT Architecture Assessment Tool

Performing a comparative assessment of systems, architectures, and capabilities to determine an optimal choice across systems, platforms and programs is a complex task.

To meet this requirement, the Navy needs a tool that is:

- Objective
- Comprehensive
- Flexible
- Informative



The tool is an assessment framework and analysis engine used to prioritize and weight very diverse and often competing measures. The tool is highly customizable, enabling it to be applicable to a wide variety of problem spaces.

Assessments performed using this framework are:

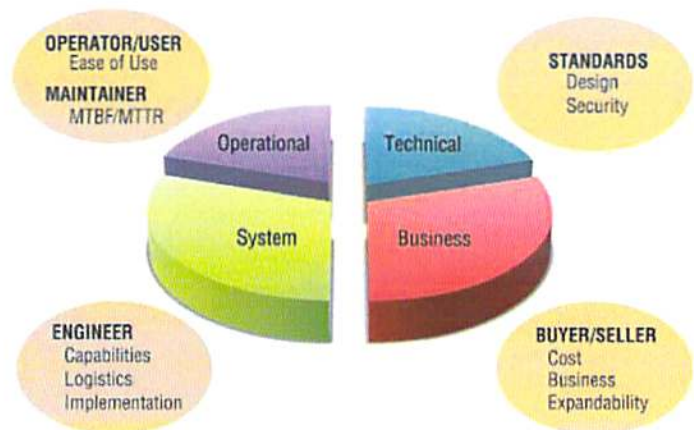
- Systematic
- Quantitative
- Repeatable
- Consistent

And enable the user to:

- Analyze all parameters
- Determine decision drivers
- Analyze results

Which fosters:

- Minimized design changes
- Cost stability
- Schedule stability



Sample Decision Model Measures used for Architecture Assessment

The Architecture Assessment Tool uses easily created decision models to tailor an assessment to a problem or domain.

A user can create a decision model or use/modify an existing decision model. Available decision models include:

- Architecture – a generic model that includes the three Department of Defense Architecture Framework (DoDAF) views plus a business view
 - ISIS Architecture – to assess the Integrated Submarine Imaging System
 - Display System Architecture – to assess surface and submarine display systems
- Open Architecture – an instantiation of the Navy Open Architecture Assessment Tool (OAT) created by IWS5
- Interoperability – to assess, for example, communications among emergency responders

The Architecture Assessment Tool has three main roles:

The Administrator

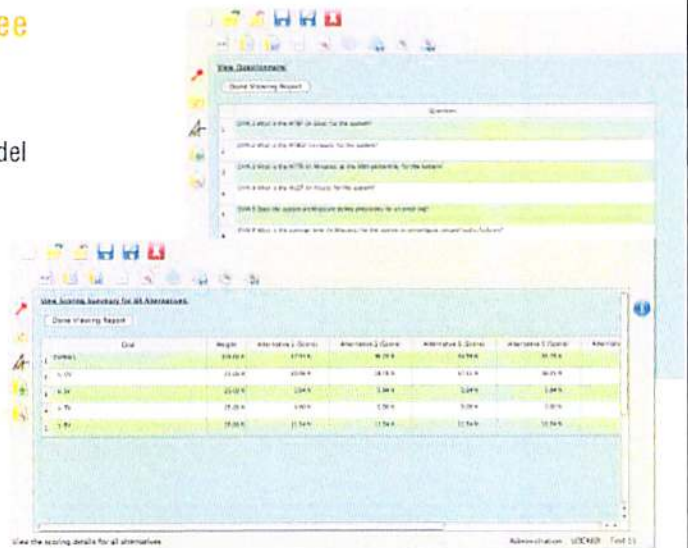
- Works with stakeholders to define the decision model
- Sets goals and priorities
- Sets ranges and weights for evaluation criteria

The Evaluator

- Evaluates one or more choices
- Can be “blind” to goals, priorities and weights to reduce “gaming” the results

The Analyst

- Analyzes results
- Determines decision drivers



The results are immediately visible and benefits are instantly realized by:

- Acquisition Communities
- Chief Engineers
- Other Stakeholders
- Program Offices
- Support Agents

For more details about ASSETT or the Architecture Assessment Tool, please contact us.

ASSETT — the partner of choice for complex systems engineering services and support.



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