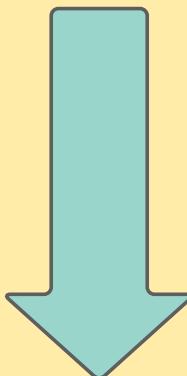


System Engineering Analysis (SEA) Documents

Sequential Driven Documents

Detail in Document

High Level



In Depth

	<p>Technology/SEA Assessment:</p> <ul style="list-style-type: none">-Determines if an SEA is required on a project based on the presence of technology<ul style="list-style-type: none">-Assists in service package identification-Determines if previously prepared documents from other projects can be leveraged
	<p>Alternative Analysis:</p> <ul style="list-style-type: none">-Only required for the technology aspect of a project-Documents all options for technology to solve project purpose and objective<ul style="list-style-type: none">-Balances construction and maintenance costs-Documents why an alternative was selected
	<p>Concept of Operations:</p> <ul style="list-style-type: none">-High level summary of the vision of the proposed technology system-Identifies stakeholders and users and defines roles and responsibilities-Documents all discussed wants and needs of stakeholders and users and documents which ones will be included in the project-Creates the Validation Plan requirements based on selected wants/needs. Validation will be complete at the end of design to document if/how each want/need was fulfilled on the project.
	<p>System Functional Requirements:</p> <ul style="list-style-type: none">-Documents how the project intends to implement the functional requirements established in the applicable service package(s)-Specifies any project specific functional requirements
	<p>High Level System Design:</p> <ul style="list-style-type: none">-Creates a visual showing how all of the different elements communicate and what is communicated between them
	<p>Detailed Level System Design:</p> <ul style="list-style-type: none">- Identifies if additional design of the system is needed which may include: networking, hardware, or software development
	<p>Testing and Integration:</p> <ul style="list-style-type: none">- Documents how the installed system will be stood up and how it will then be tested per device type<ul style="list-style-type: none">-Documents integration procedures

Independent Documents

Additional Agreements:

- Compiles all completed agreements

Standard Operating Procedures (SOP):

- Documents step by step instructions on how to operate the proposed system

Maintenance Plan:

- Documents what routine maintenance is required
 - Defines roles and responsibilities of routine maintenance
- Documents financially how the system will be maintained
- Identifies the utilities related to the project
 - Used for asset management

Validation Plan:

- Completed any time after the Concept of Operations is complete
 - Documenting how the design fulfills all wants/needs established in the Concept of Operations
 - Documents any changes that occurred throughout design