3.2. DEVELOPMENTAL EVALUATION APPROACH

- Describe the developmental evaluation approach that will be used to support technical, programmatic, and acquisition decisions.
- Identify how the government intends to evaluate the design and development of technologies, components, subsystems, systems, and systems of systems as applicable in order to assess programmatic and technical risk.
- Describe the integrated testing approach and how it will support the overall evaluation strategy.

3.2.1. Developmental Evaluation Framework

- Embed a Developmental Evaluation Framework (DEF) in the form of a table or spreadsheet. Describe the contents of the developmental evaluation framework, including descriptions of columns and the origin of information contained. Include instructions to the reader on the use of the table or spreadsheet and its contents.

- Arrange the table or spreadsheet to show time-phased, iterative test progression toward the achievement of performance goals and measures.

- Include elements (columns, rows, or cells) bearing the following essential information:
  - o <u>Functional evaluation area</u>. Categorical groupings of functional areas brought forward or derived from baseline documentation.
  - o <u>Decision supported</u>. The significant program decision points where data and information gathered during testing will be used to make decisions or give program direction.
  - o <u>Decision support question</u>. Key question related to performance, reliability, cybersecurity, or interoperability that when answered determines the outcome of an evaluation for the decision supported.
  - o <u>Key system requirements and T&E measures</u> (one or more fields of requirements identification and performance measurement).
    - ▪ <u>Technical requirements document reference</u>.
    - ▪ <u>Description</u>.
    - ▪ <u>Technical measures</u>. CTP, TPM, Metrics.
  - o <u>Method</u> (technique, process, or verification method).
  - o <u>Test Event</u>.
  - o <u>Resources</u>. Brief reference may appear here.
  - o 3<u>Cross-Reference</u>.   Used to refer to related requirements, capabilities, and line items to aid in requirements traceability, precedence, interdependency, and causality.