



Assessment Criteria

1) Sensors Criteria:

- Sensors that can provide unique discriminating data to aid in obtaining a non-LOS targeting solution.
- Platforms that can be used to standardize sensor control and data formatting.
- Sensor collaboration that would be beneficial (radar, electro-optical, infrared, hyperspectral, etc.).
- Parametric requirements for use cases.
- The impact of the urban environment.
- Fixed vs mobile sensors.
- Demonstrate your concept in an urban environment.

2) Data networking (transport/backhaul) Criteria:

- Short-range data links that can be used to form a network.
- Data requirements that match the networking capabilities.
- Mechanisms available to ensure availability, integrity, enhanced survivability, and other required protections.
- Network structures that are suitable for urban environments. Demonstrate your concept in an urban environment.

3) Data processing Criteria:

- Effectively clean and normalize the data.
- Missing elements of data handled.
- Distributed processing.
- Data accuracy evaluation.
- Data architecture concept.
- Demonstrate your concept using data representative of an urban environment.





4) Data Analytics and Artificial Intelligence Criteria:

-Algorithms that can be used to group, correlate, and synchronize data to build a complete, accurate and actionable picture

-Timeliness vs completeness vs resource trade-offs. Dependable target recognition on the edge. Defined by characteristics that include:

- * Increased identification rates of intended targets
- * Increased discrimination of decoys
- * Ability to maintain target lock while maneuvering in 3-D space

- Demonstrate your concept using data representative of an urban environment.

5) Data Visualization Criteria:

-Data and processing result rendering.

-Android Tactical Assault Kit (ATAK) or similar devices be integrated into the non-LOS targeting system.

-Concepts for relating non-LOS targeting data with other display data.

-Demonstrate effective visualization in a complex urban environment.

6) System Integration, Testing, and Training Concepts Criteria:

-System aspects and specific components of solutions.

-Issues with integration when looking at the above focus areas collectively.

-Integration trade-offs currently available. Concepts to test the components separately and together in a real urban environment.

-Training concepts for situations in which you may not be able to combine all aspects of the system in an actual environment.

