

4.2 Identifying Target Levels

Target Levels for coverage, performance and reliability are identified below.

Functional Requirement Coverage:

Each functional requirement should be covered by at least one test. This includes drone movement, computing valid 2D paths and returning valid JSON.

Measurable Requirement (Performance) Target:

Each task should complete within the 30-second time limit.

Path Validation Coverage:

Each step in any generated path should meet each movement requirement. These requirements are move size, move angle and avoid no-fly zones.

Integration reliability:

Data retrieved from the ILP REST service should be complete and consistent across multiple runs.