

## AFTER ACTION REPORT (AAR)

Test Event: System Integration Test - Phase 2

Date: 2024-01-20

Location: Test Range 3, Facility A

### EXECUTIVE SUMMARY:

The Phase 2 integration test successfully validated core system components. Overall test objectives were met with minor deviations noted in Section 3.

### TEST OBJECTIVES:

1. Validate sensor data acquisition and processing pipeline
2. Verify real-time data fusion algorithms
3. Test system response time under load
4. Validate error handling and recovery procedures

### TEST RESULTS:

Objective 1: PASS - All sensors acquired data within tolerance

Objective 2: PASS - Data fusion completed in 2.3 seconds

Objective 3: PARTIAL - Response time exceeded threshold by 15%

Objective 4: PASS - Error recovery procedures executed correctly

### KEY FINDINGS:

- System performance met 85% of performance requirements
- Data quality exceeded expectations
- Response time optimization needed for high-load scenarios

### RECOMMENDATIONS:

1. Optimize data processing algorithms for high-load scenarios
2. Implement caching mechanism for frequently accessed data
3. Conduct additional stress testing before production deployment