Team 12

CSCD 350

Group Project Part 3 System Test and Evaluation

6/3/2021

\* All Code Snippets should be in this format: @wait | define id for blah | etc \*

**Airplane Tests**

**Test 1:** Airplane Straight-and-Level Flight

1.

2.

3.

4.

5.

6.

7.

8.

**Test 2:** Airplane Climbing

1.

2.

3.

4.

5.

6.

7.

8.

**Test 3:** Airplane 360-Degree Turn

1.

2.

3.

4.

5.

6.

7.

8.

**Test 4:** Airplane Climbing 36-Degree Turn, Maximum-Performance

1.

2.

3.

4.

5.

6.

7.

8.

**Test 5:** Airplane Climbing 360-Degree Turn, Stepped

1.

2.

3.

4.

5.

6.

7.

8.

**Test 6:** Airplane 180-Degree Turn, Slow-Speed

1.

2.

3.

4.

5.

6.

7.

8.

**Test 7:** Airplane 180-Degree Turn, High-Speed

1.

2.

3.

4.

5.

6.

7.

8.

Bomb Tests

**Test 8:** Bomb Drop, High Speed

1.

2.

3.

4.

5.

6.

7.

8.

**Test 9:** Bomb Drop, Low Speed, Hit

1.

2.

3.

4.

5.

6.

7.

8.

**Test 10:** Bomb Drop, Low Speed, Miss

1.

2.

3.

4.

5.

6.

7.

8.

**Depth-Charge Tests**

All depth charges are dropped by a ship.

**Test 11**: Depth Charge, Acoustic Fuze, Hit

1.

2.

3.

4.

5.

6.

7.

8.

**Test 12:** Depth Charge, Acoustic Fuze, Miss

1.

2.

3.

4.

5.

6.

7.

8.

**Test 13:** Depth Charge, Depth Fuze

1.

2.

3.

4.

5.

6.

7.

8.

**Test 14:** Depth Charge, Sonar Fuze

1.

2.

3.

4.

5.

6.

7.

8.

**Test 15:** Depth Charge, Time Fuze

1.

2.

3.

4.

5.

6.

7.

8.

**Missile Tests**

**Test 16:** Missile, Radar Sensor, Depth Fuze

1.

2.

3.

4.

5.

6.

7.

8.

**Test 17:** Missile, Radar Sensor, Distance Fuze

1.

2.

3.

4.

5.

6.

7.

8.

**Test 18:** Missile, Radar Sensor, Radar Fuze

1.

2.

3.

4.

5.

6.

7.

8.

**Test 19:** Missile, Radar Sensor, Thermal Fuze

1.

2.

3.

4.

5.

6.

7.

8.

**Test 20:** Missile, Radar Sensor, Time Fuze

1.

2.

3.

4.

5.

6.

7.

8.

**Test 21:** Missile, Thermal Sensor, Radar Fuze

1.

2.

3.

4.

5.

6.

7.

8.

**Test 22:** Missile, Thermal Sensor, Radar Fuze, Field-of-View Miss

1.

2.

3.

4.

5.

6.

7.

8.

**Test 23:** Missile, Radar Sensor, Radar Fuze, Aspect Angle

1.

2.

3.

4.

5.

6.

7.

8.

**Test 24:** Missile, Thermal Sensor, Thermal Fuze

1.

2.

3.

4.

5.

6.

7.

8.

**Torpedo Tests**

**Test 25:** Torpedo, Sonar Sensor, Acoustic Fuze, Fast Target

1.

2.

3.

4.

5.

6.

7.

8.

**Test 26:** Torpedo, Sonar Sensor, Acoustic Fuze, Slow-Target Miss

1.

2.

3.

4.

5.

6.

7.

8.

**Test 27:** Torpedo, Sonar Sensor, Sonar Fuze

1.

2.

3.

4.

5.

6.

7.

8.

**Test 28:** Torpedo, Acoustic Sensor, Acoustic Fuze, Fast Target

1.

2.

3.

4.

5.

6.

7.

8.

**Test 29:** Torpedo, Acoustic Sensor, Acoustic Fuze, Slow-Target Miss

1.

2.

3.

4.

5.

6.

7.

8.

**Test 30:** Torpedo, Acoustic Sensor, Thermal Fuze

1.

2.

3.

4.

5.

6.

7.

8.