

WaldoAir Laptop Planning and Usage Checklist

1. On Desktop there is a folder called **Waldo Shortcuts**
2. If not, copy **C:\Waldo Shortcuts** and paste on Desktop
3. Double click on **Google Earth Pro**
 - 3.1. Be cautious of airspace restrictions (include track turns) that may not be visible in **Google Earth**
 - 3.1.1. Download a Google Earth layer that highlights air space restrictions.
 - 3.1.2. <http://soaringdata.info/aviation/airspaceTab.html>
 - 3.2. Open FEMA provided KML file
 - 3.2.1. If none, search for location (city) as a starting point
 - 3.3. Click on **Add**, then select **Polygon**
 - 3.4. Provide a **Name** for your target area
 - 3.5. In popup, click on **Style, Color**
 - 3.6. Under **Area**, click the dropdown and change to **Outlined**.
 - 3.7. Click points to define polygon around target area
 - 3.8. Click **OK**
 - 3.9. Under **My Places** you will see your target
 - 3.10. Right click and **Save Place As...**
 - 3.11. Change Save as type to **Kml** (not Kmz)
 - 3.12. Change location to **C:\KML Exports** and click **Save**
 - 3.13. Quit Google Earth
4. Back in **Waldo Shortcuts**, double click on **Review KML Config**
 - 4.1. Ensure settings are 65, 65, 50000, 2.0; exit
5. Back in **Waldo Shortcuts**, double click on **KML Reader**
 - 5.1. Click on Browse, navigate to **C:\KML Exports** and open the file you just created
 - 5.2. If it won't open, go back and save as **Kml**, not Kmz
 - 5.3. If message about can't open **KMLDebugFile**, open **Task Manager**
 - 5.4. Click on Details, then kill task(s) **KMLReader.exe**, re-open **KML Reader**
 - 5.5. Click **OK** to accept message about **_input**
 - 5.6. Select launch point for aircraft (Click on **Select an Airport** or **Range** to sort)
 - 5.7. Select **Ultra_50** as camera
 - 5.8. Select **Resolution** (normally between 4 and 10)
 - 5.9. Select **Flight Leg** (FL) length (normally <= 25)
 - 5.10. Select **Max Mission Time** (normally < 3 hours)
 - 5.10.1. Planning software is not good at time estimates, expect 25% more time for turns
 - 5.11. Select **Speed** (normally 90 or 100 kts)
 - 5.12. Read report for **Coverage Options**, click **Type** button to change
 - 5.13. If none are acceptable, go back and draw a smaller polygon
 - 5.14. Click on **Plan**, then **END**
6. **Google Earth** will relaunch and show you the flight plan
7. Back in **C:\KML Exports**, ctrl-click on the Mission **_Background** folder and the Mission.**kml** file (ignore the .txt and _input files), right click and select **Cut**.
8. Navigate to the mission files folder: **C:_Waldo_FCS**, right click and **Paste**
9. *Ready for flight*
 - 9.1. Select the best camera exposure for your sortie (at the bottom of **Waldo Shortcuts**)
 - 9.2. Double click on **Waldo_FCS**
 - 9.2.1. Select your Mission, then **Start**
 - 9.2.2. Press and hold the MODE button to turn on