**Miami-Dade Police Department**

**Micro Air Vehicle**

**AIR VEHICLE (AV) FUELING PROCEDURES CHECKLIST (E-FUELER):**

1. Ensure that the AV is fully secured to starter base
2. Check area for potential hazards/sources of ignition- no open flames/vehicles/generators/smoking
3. Eye protection in place
4. Fire extinguisher is in fuel area and is properly charged
5. Ensure fuel canister with e-fueler adapter is available in fuel area
6. Touch duct in order to discharge any static electricity
7. Open battery door using two screws
8. Install battery in electric fueler
9. Secure battery door using two screws
10. Detach the AV fuel line at quick disconnect fitting
11. Utilize fuel container with e-fueler can adapter only
12. Attach e-fueler female coupler (bottom of white plastic filter) to AV male fuel coupler
13. Attach e-fueler return line with female connection to male fuel connection on fuel can
14. Attach e-fueler main line with male connection to female fuel connection on fuel can
15. Open air vent on fuel can
16. Turn on electric fueler by pushing on/off button
17. To fuel the AV then push the fuel button
18. E-Fueler will defuel and then fully fuel the AV
19. Monitor e-fueler (Note e-fueler may inject fuel and then withdraw it from AV several times)
20. Fuel process is complete when FUEL LED goes out
21. Turn off e-fueler by pushing on/off button
22. Disconnect e-fueler female coupler from AV
23. Reconnect AV fuel line
24. Pull gently to be sure that AV fuel line coupler has fully engaged and is secure
25. Check for leaking fuel from AV fuel line
26. Disconnect fuel lines from fuel can
27. Close fuel can vent
28. Weigh AV and ensure that it is above standard weight
29. Upon completion of fueling, remove DEFUELED tag from AV