FOREFLIGHT PROFICIENCY DEMONSTRATION GUIDE

1. Operational considerations: For single pilot operations in particular do not "program" Foreflight below 1,000 feet AGL or while the aircraft is moving on the ground.

PROFICIENCY DEMONSTRATION CHECKLIST

1. Turn on the external GPS antenna. From IPAD "Settings", Bluetooth, ensure the Bluetooth function is on and external GPS antenna is connected. Note: Most student IPADs will have an internal GPS antenna. Ensure the IPAD is connected to WIFI. Select "Foreflight." Note: Does not apply to IPADs with cellular access and internal GPS capability, or if geo-referencing is not used.

2. "More"
  - Downloads
    -- Select "United States"
    -- Toggle "IFR High Charts" On and Off
    -- Determine which states are downloaded
    -- Select a state not downloaded and download its data
    -- Delete the requirement to download this state's information
    -- Determine if a product requires an updated download
    -- If a product (approach plate, chart etc.) is not downloaded to the data base can you view the
       product on the ground if you have WIFI access? Can you view this product in the air?
       How do you know if a product is "saved" on the IPAD?
  - Aircraft – Create an Aircraft Profile
  - Settings – Change Brightness on Screen

3. Scratchpad
  - Change line width
  - Using "Draw" function write down a clearance
  - Use the "Type" function
  - Clear the scratchpad

4. Airport Icon
  - Search and Select KMKC
  - Display Airport Diagram
  - Display "Pilot Comments"
  - Display FBO's
  - Display Frequencies
  - Display METAR, TAF, WINDS ALOFT
  - Display Runway Information
  - Procedures
    -- Display rationale for Hot Spots
    -- Display the Chief Five Departure
    -- Determine Departure Procedure for RWY 1
    -- Are there non-standard ALT minimums at KMKC
    -- Display JHAWK SIX Arrival
    -- Display ILS Rwy 19 procedure
  - Display Airport, TFR, ARTCC NOTAMs
  - Display Nearby Lodging
  - Display A/FD entry for KMKC

5. Imagery – Display the various weather products available

6. Documents
   - Review catalogue of available FAA and Foreflight documents
   - Download a document
   - Delete the document you just downloaded
   - How would you look up an unknown symbol from a VFR sectional?
   - How would you look up an unknown symbol from an IFR Low or High Enroute Chart?
   - How would you determine impacts of inoperative equipment on minimums of an Instrument
     Approach Procedure?

7. Plates
   - Select an airport and view its list of plates
   - Display a plate
   - Create a binder and add some plates to the binder
   - Delete the binder
   - Display a plate and "Lock" it into portrait view
   - Unlock the plate and exercise zooming and panning
   - Display recent plates

8. Maps and "File and Brief"

   - Menu
     -- Toggle between display of various map types (VFR Sectional, IFR Low etc.)
     -- Toggle through the various map overlays (Radar, TFR's, VFR etc.)
     -- What is Hazard Advisor and how can you program it to your personal settings?

   - Settings
     -- Change Brightness Scale
     -- Change Track Preference
        --- What "button" do you have to push to engage the selected Track Preference?
     -- Turn on Route Labels and Extended Centerlines
     -- Change Opacity of Overlays

   - General Functions
     -- Display and hide the NavLog
     -- Display and hide Aircraft Performance Information
     -- Zoom and Roam around the map
     -- Display information on MOA's, Restricted Areas, Prohibited Areas, Alert Areas, TRSA's, Class B, C
        and D airspace
     -- Find a TFR and display information about this TFR
     -- Determine contact frequencies for each of these areas/airspaces
     -- Enable display of aircraft track vector
     -- Enable display of range rings around the aircraft
     -- Enable display of extended runway center lines at destination airport
     -- From "Procedures"
        --- Display airport diagram or an approach plate on the map
        --- Display a pattern entry on the map

- Drop Down the NavLog
  -- Select an aircraft
  -- Create a point to point route (KOUN – KMKC)
  -- Select Runway at destination and airport and a pattern entry procedure
  -- Reverse the route
  -- Select "Routes." Select and display Airway and or ATC cleared route.
  -- Create a route that includes VOR's and a STAR.
  -- Select for VFR or IFR altitudes
  -- Select the altitude that provides the most favorable winds
  -- Select an ETD
  -- Display the NavLog for the route
  -- Name the route

- File and Brief
  -- Export your route to File and Brief
  -- Obtain a weather briefing for the route
  -- File a flight plan for the route
  -- After deleting this route from the map section, export the route from File and Brief back to the map section
  -- Delete the flight plan from the File and Brief section

- Delete the route from the NavLog page and create a direct route from KOUN to KCSM
  -- Using the "plotter" function create a User Defined Waypoint 12 nautical miles along the route to represent TOC
  -- Create User Defined Waypoints to represent visual check points along the route of flight
  -- Use the "plotter" function to determine radial and DME from a VOR to a visual check point
  -- Use the "plotter" function to determine course and distance to a diversion airport from a point along the route of flight
    --- On what data is heading, fuel burn and ETE based on? If you are several hours into your flight can you rely on this data?
  -- Program Foreflight to navigate to the diversion airport.
  -- Edit your flight plan from the map
  -- Edit your flight plan from the NavLog function

9. IPAD Battery Charge
    -- How can you determine charge remaining on the IPAD battery?
    -- What are some techniques to minimize IPAD battery discharge rate?