ACANS Functionality

- Mapping and Aerial Photography
  - Ordnance Survey
  - A to Z
  - Airbox Street Mapping
  - Live Mapping (Video Overlay)
  - Google® Maps
  - Satellite Imagery
  - Drone Imagery
  - Maritime Charts
  - VFR/IFR Aviation Charting
  - Military Mapping
  - Course Up / North Up
- Technical Reporting
  - Power Line / Aerial Survey
  - Technical Logging of Flight Time and Engine Hours
- Flight Logging
  - Replay Log in App
  - Export Log to Google Earth and other Applications
  - View Individual Log Points
  - Flight Stats
- Low Level Navigation
  - Power Line Warnings
  - Extra High Accuracy Terrain
  - Custom Danger Areas / Noise Abatement Zones Shared Between Users
  - Minimum Safe Altitude Display
  - Overlay of Pre-Checked Poor Weather Routings
- Timing Functionality
  - Set Desired Arrival Time
  - En-Route Demanded Groundspeed
  - +/- 2s Time on Target Accuracy
- Landing Site Assessment
  - Landing Site Measuring Tool
  - Spot Height Measurement / Terrain Profile
  - Google Streetview
  - Power Line and Low Level Obstruction Display
- Custom Landing Sites
  - Add and Maintain Custom Landing Site Directories Within the App
  - Assess Landing Sites
  - Emergency Letdown Procedures
  - Indicate on the map approach directions
  - Wind Direction Automatically Displayed
- Basic En-Route
  - Flight Data
    - Track/Bearing
    - Altitude
    - Height
    - Distance/Time
    - HATFR Boxes
    - Nearest Airfield(s)
  - Warnings
    - Airspace
    - Minimum Safe Altitude
    - Terrain
    - Powerlines and Obstructions
    - Collision Avoidance
      - Types
        - Gliders
        - Transponding Aircraft
        - ADS-B
      - Intelligent Collision Warnings
  - Scratch Pad
    - Note Frequencies/Xponder Codes
  - Terrain
    - Side Profile
      - Terrain
      - Airspace
      - Wires and Obstructions
      - Key Locations
    - Terrain Shading
  - Checklists
    - Add Checklists
    - Share Checklists
- Overlay of Information
  - Training Zones
  - Festival Layouts
  - Crime Hotspots and Other Intel
- Military Specific
  - Bullseye Target Interception
    - Customise Target Fully
    - Overlay Radials
    - Set Enemy Location
  - Chicken/Bingo Fuels
  - Add Danger Areas for SAM sites
  - Add and Share Mission-Specific Intelligence to the Map
  - SHOL
- Law Enforcement Specific Capability
  - Share and Markup Photographs to and from Aircraft
  - Add and Share Intel with Ground Users
  - Share Aircraft Video Securely to Ground Users
  - Direct Ground Users Visually and Reduce Ambiguity
  - Overlay Crime Statistics and Other General Data
  - Overlay Photo Taskings and other Pre-Planned Operations
  - Overlay Public Event Information and Schematics - e.g. race routes and festival layouts
  - Press on Map to get Address
  - Tracking of Ground Units
  - Tracking of Bad Guys / Cash in Transit
- SAR Specific
  - Display of AIS Vessel Tracking (Searchable)
  - Simulated Target Location (moving object in the sea)
  - Fuel Planning Including Hover Segments
  - Wind Adjusted Fuel Range
  - Radius of Action (searchable area with fuel loading)
- Control Room
  - Flight Following (Tracking of Aircraft)
    - See up to 10,000 Simultaneously
    - See Historic Tracks
  - PC Based Flight Planning
  - Overlay of Intel and Mission Info
- Aircraft Integration
  - Tasking of Autopilot
  - FMS/MMS Integration (via Firewall)
- Basic Planning
  - Route Planning
    - Search
      - Co-Ordinates
      - Street Address
      - Grid Search
      - Trackers
      - Custom Address Databases
      - Navaids (VRP/IFR Intersection/VOR)
    - Distance/Fuel Instant Measuring Tool
    - Creating Simple Route
      - Divert Route
      - Edit and Delete Waypoints
      - Adjust Waypoint Altitude
    - Airspace
      - Overlay Airspace onto Aerial Photographs
      - Check Airspace by Pressing on Map
    - Share Routings
      - Task Routes to Specific Users Securely via Server
      - Share Routes via Bluetooth in Cockpit
      - E-mail Routes
    - Route Briefing
      - Customise Route Briefing
      - Print Route Briefing
      - Route Legs, Enroute Airspace and Navaids
      - Print Chartings
    - Flight Plan Filing
      - VFR
      - IFR
      - Automated Aircraft Data Entry
    - Airfield Info
      - Basic Airfield Info and Frequencies
      - Overlay of Circuits
      - Overlay of Airfield Layout
  - Environmental Checks
    - NOTAMs
      - Shaped NOTAMs
      - Auto-Update
      - Icons for Immediate Recognition
      - Narrow Route Briefing
    - Weather
      - Rain Radar
      - Wind in 3D
      - Fire Tracking
      - Airfield Weather
        - Translated/Raw TAF
        - Translated/Raw METAR
      - Extreme Weather
      - Narrow Route Brief