

Marine Navigation App Evaluation Checklist

USA Charts Available in the App

- NOAA ENC (Digital Charts) US
- NOAA RNC (Raster Charts) US
- Sonar Chart US from USACE
- Navionics+ US
- C-Map US
- Garmin's Own US
- Canada
- Bahamas
- Additional World Charts
- When Last Updated

Chart & Screen Display

- Total app size in Gigabytes for US and Alaska
- Charts are Quilted (you won't run off a chart edge)
- North Up
- Heading Up
- Extended View (boat at bottom of screen)
- Buoys Numbered (without tapping icon)
- Weather on Chart
- Number of Depth Shadings
- User Selectable Route/Track Line Thickness
- Selectable Route/Track Line Color
- Selectable Waypoint Symbols
- Selectable Units
- Boat Speed Shown on Chart Page
- Chart Update Frequency
- Weather Buoy Data Link (internet required)
- Draw Your Own Charts
- Satellite View Overlay

Routes, Waypoints and Tracks

- ETA to Destination in Plan Mode
- ETA to Destination when Underway
- Fuel Usage for a Route in Plan Mode
- Waypoint Names Shown on Chart without Tapping
- ETA to each Waypoint in a Route when Underway
- Route Length
- Route Time at Entered Boat Speed in Plan Mode
- Bow Line Showing Direction of Boat Travel
- Dock to Dock Auto Routing

Transfer technique for Routes, Waypoints, or Tracks

- Direct Import from Another iPad App without PC
- Direct Export to Another App on iPad without PC
- Attach to Email and Send, then can Import to apps
- Export to iCloud, then can Import to other apps
- iTunes Data Transfer
- Export all User Data (all at once)
- Individual Route/Waypoint/Track Export Supported
- App's Own Cloud Storage
- Maximum Number of Routes
- Maximum Number of Waypoints
- Maximum Number of Tracks
- Accepts KMZ or KML Routes (Google Earth Route)
- Exports Routes to Google Earth

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Tides & Currents

- In app Tides/Currents for Any Time
- Icons Show Height of Tides
- Icons Show Direction of Currents
- Tides and Currents Without Internet Connection

Notes:

AIS

- Using WiFi from AIS Receiver also Having GPS Output
- AIS over Internet as Chart Overlay
- Selectable AIS Vector Length
- Selectable AIS Vector Time (minutes, speed dependent)

Instruments

- Can Show Instrument Readings with NMEA Interface

Additional Notes:

Boat Data for Planning a Route

- Length
- Speed
- Draft
- Air Draft (for bridges)
- AIS Location on Boat
- Rate of Fuel Consumption

Camera Integration

- Tags Photo with Icon on Chart for Location

Voice

- Voice Prompts when Approaching Waypoint

Additional

- Embedded User Tutorials
- Responsive Technical Support from the Designers
- Virtual Reality Mode
- Split Screen Support