

# Jeppesen Mobile Apps & iPad mini

Updated: December 28, 2012

## General Position

When dealing with rich content such as navigation charts, maps, and documents, the quality and readability of an EFB display is important. Based on hands-on assessment by Jeppesen, and positive comments from users in the field, we find Jeppesen Mobile apps on iPad mini to be a good EFB solution for charting, documents, and other functions.

## Using Jeppesen's Mobile apps on iPad mini

Apple designed iPad mini to host existing iPad apps without modification. This includes all Jeppesen apps designed for iPad.

## iPad mini Usability and Readability

Although notably smaller, the display of Jeppesen charts and maps on iPad mini is impressive, exceeding our expectations. Charts and maps are sharp and readable, even at arm's length for most people. Jeppesen's unique data-driven maps provide a distinct advantage on the smaller form-factor, due to optimized "on-the-fly" text and symbol rendering and map de-clutter. Compared to most compact tablets which have a 7" display, iPad mini's display is 8", and the extra inch makes an important difference. Navigating through the application is exactly the same as on the full-size iPad, though all touch-screen targets are approximately 18% smaller. This does not appear to present any usability issues.

## iPad mini Performance

The iPad mini performs well. The speed of completing tasks and rendering Jeppesen Mobile FliteDeck maps on iPad mini appears to match the speed demonstrated on iPad 3.

## Space-Constrained Cockpits and Other Benefits

The iPad mini's compact footprint will enable exciting new options for space-constrained cockpit use. Its size is ideal for kneeboard use. The small mass should enable lighter-weight mounting systems that more easily meet retention requirements, including applicable RTCA DO-160 testing. For some, the iPad mini also may serve as a great backup source of EFB information for airplanes with full-size iPad EFB or traditional Class 2 and 3 EFBs. The form factor may also be ideal for other aviation users such as flight attendants and technicians.

## Regulatory Authorization

Due in large part to the factors and observations noted here, we do not anticipate any issues for operators to gain regulatory authorization of Jeppesen Mobile apps on iPad mini according to the FAA AC 120-76B standard, or the EASA draft AMC 20-25 standard. In support of our customers, on November 6, 2012, Jeppesen successfully completed Rapid Decompression testing of a representative iPad mini, to 51,000 feet.

## Summary

We believe iPad mini will be a popular EFB option alongside its siblings in the iPad family. We hope this guidance is helpful, and encourage customers to share experiences and decide personally which iPad is best for them.

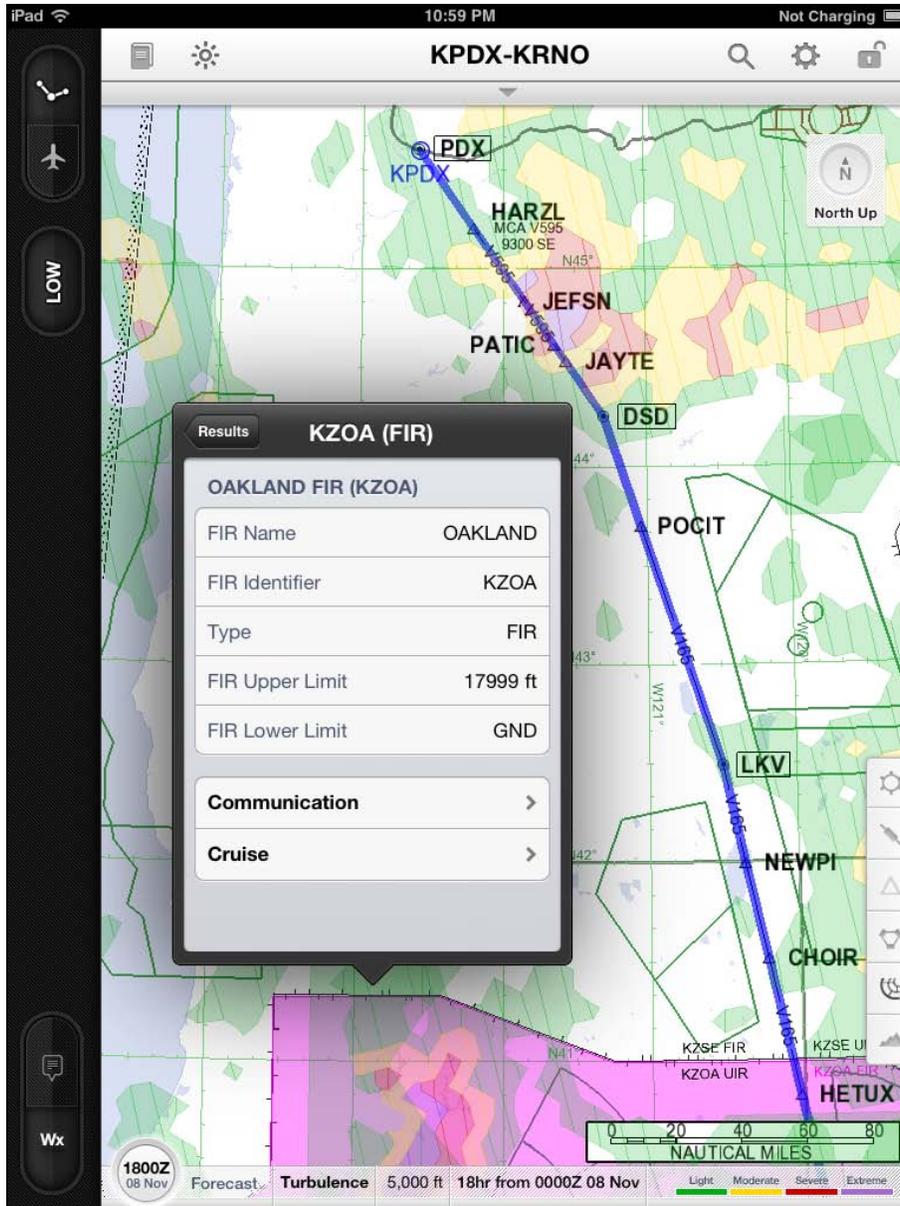


Jeppesen Mobile FliteDeck 2.0 on iPad mini, with Route, Enroute Comm Frequencies, and Turbulence Wx Data shown.

# iPad mini Screen Capture – Actual Size

Note: FOR SIZE SIMULATION ONLY

Readability on actual iPad mini is notably better. Image loses fidelity during conversion to a PDF file.



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