

Re: Aviation routing with Mapsource

Source: <http://sci.tech-archive.net/Archive/sci.geo.satellite-nav/2005-05/msg00365.html>

- *From:* "Ted" <nospam@xxxxxxxxxx>
 - *Date:* Sun, 08 May 2005 05:28:11 GMT
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Burnie M wrote in message ...

>On Sat, 07 May 2005 05:52:03 GMT, "Ted" <nospam@xxxxxxxxxx> wrote:

>

>>

>>istaines@xxxxxxx wrote in message

>><1115265822.717232.42070@xx>...

>>>I suspect I know the answer already, so this is just a rant really.

>>>>

>>>>I just got a Garmin GPS296 for aviation use, and was somewhat

>>>>disappointed to find out that the Jeppesen aviation database is uploaded

>>>>directly to the GPS, and not through Mapsource. In fact there appears

>>>>to be no support for it in Mapsource that I can find.

>>>>

>>>>This means that you cannot realistically create routes in Mapsource and

>>>>upload them to the GPS296 because you do not have access to any of the

>>>>airport, or navaid information.

>>>>

>>>>Is this an intrinsic limitation of the jeppesen database, or just

>>>>something that Garmin has not got around to yet?

>

>

>>I believe its because of the liability problem with allowing the users to

>>modify the navaid data in mapsource. For the database to be certified for

>>IFR flight it needs to be in a format that cannot be manipulated.

>>

>>I have a mapsource files of US airports NDBs VORs Outer Markers and Victor

>>air routes that I can send you if you are interested.

>>

>>Of course you must promise to use that data for entertainment purposes
only

>>and never for navigation since it is not guaranteed to be correct.

>>

>

>

>My understanding is the the GPSmap 296 is not certified for IFR

>So we are back to a supplier (over) protecting their data

>

Re: Aviation routing with Mapsource

I believe that the only problem with the 296 certification for IFR flight is that its a portable unit and thus its configuration in an aircraft is undefined. If the hardware installation can't be defined then it can't be certified. But this is a hardware problem not a software or database problem. Its my understanding that the software and navaid database is certified and is the same as the database that is loaded into Garmin's panel mounted and certified GPS receivers.

If anyone want's navaid waypoints for their GPS I believe that its also available at <http://www.navaid.com/>
and also at: <http://www.sarangan.org/aviation/garmin/index.html>

The raw data is here: <http://aviationtoolbox.org/old/ATA-100/>

- **Follow-Ups:**

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◇ From: istaines

- **References:**

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