

# Satellite-based Augmentation Systems (SBAS) – Installation Warning

When installing a GPS unit for IFR under a foreign Supplemental Type Certificate (typically, FAA approved) or as a modification, design organisations and installers need to understand how the equipment functions in New Zealand. Appropriate flight testing must be completed before approving the operation of the unit.

**W**ayne Thomas, CAA Team Leader Avionics, warns that a large percentage of operators are using potentially invalid SBAS satellite guidance without realising it.

“ICAO Annex 10 requires that each state defines SBAS service areas, and approves SBAS-based operations within its airspace. Both MSAS (Japan) and WAAS (USA) SBAS satellites are received here in New Zealand, but we are outside their defined service volume,” says Wayne.

When a GPS unit receives signals from those satellites with incomplete correction data, it may start functioning in an unpredictable or undesirable manner. In some cases, units may attempt to conduct inappropriate approach procedures.

For more information, email Wayne Thomas: wayne.thomas@caa.govt.nz. ■

## Free Poster and Bookmark

This month’s *Vector* comes with a poster and bookmark.

### Civil Aviation Rules and Advisory Circulars Poster

We have enclosed an updated version of the Civil Aviation Rules and Advisory Circulars poster. One of the key things to be aware of is the introduction of Part 102 that comes into effect on 1 August 2015. See “New Rules for RPAS” on page 3. Please replace any older versions you have with the new chocolate coloured poster. The Rules and Advisory Circulars are updated reasonably frequently, so make sure you subscribe to our email notifications at [www.caa.govt.nz/](http://www.caa.govt.nz/) subscribe and keep an eye on the “Policy and Rules” section of the CAA web site.

### Bookmark

We have also enclosed an updated version of the *Am I Current?* bookmark. One side reminds you of what you need to do to maintain currency – whether that be a medical certificate or a BFR.

The second side provides some details about the Human Intervention Motivation Study (HIMS) programme for aviation

participants which can help if you, or someone you know, is affected by an alcohol or drug addiction problem. HIMS offers advice and assistance with seeking help from professionals, and getting back to work once the problem is controlled. HIMS uses confidentiality protocols. For more information see [www.hims.org.nz](http://www.hims.org.nz).

For additional copies of the poster or bookmark, email: [info@caa.govt.nz](mailto:info@caa.govt.nz). ■

