

**11th CSPCWG - 1st NCWG MEETING
Rostock, Germany 27-30 April 2015**

Paper for Consideration by Nautical Cartography Working Group (NCWG)

**Proposal to Consider Establishing Standard RNC and ENC Symbology
for Virtual AIS Pilot Boarding and Call-in Points**

Submitted by:	USA (NOAA)
Executive Summary:	Recommendation to consider the need for standard symbols for calling-in points, pilot boarding points and similar features, which are marked with a virtual AIS signal.
Related Documents:	S-4 , <i>Regulations for International (INT) Charts and Chart Specifications of the IHO</i>
Related Projects:	

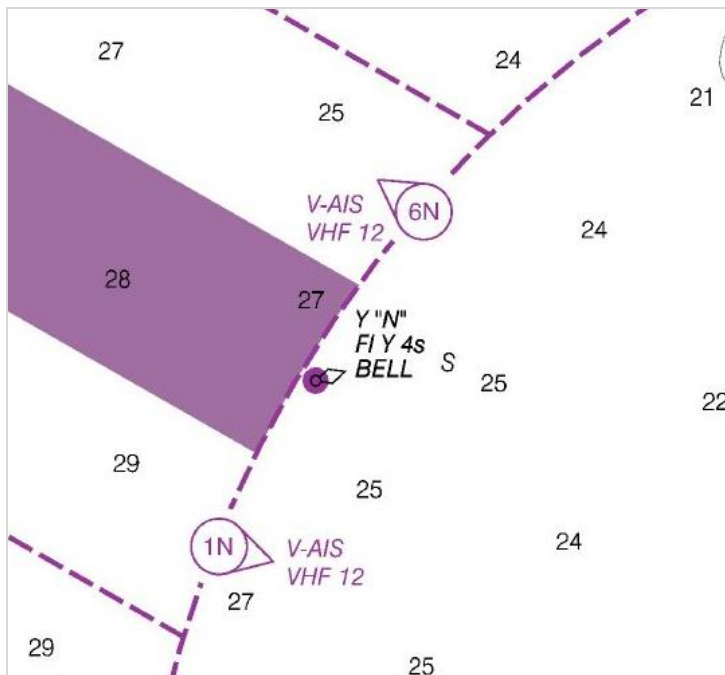
Introduction / Background

The US Coast Guard is starting to use AIS signals to mark the positions of calling in points and NOAA has started adding a label to differentiate them on raster charts. The NCWG should consider if a different standard symbol, or labeling convention, should be developed for AIS designated calling in points, pilot boarding points, and similar features. These would serve to show the location and purpose of the feature, as well as to explicitly indicate that an AIS target is associated with the indicated purpose.

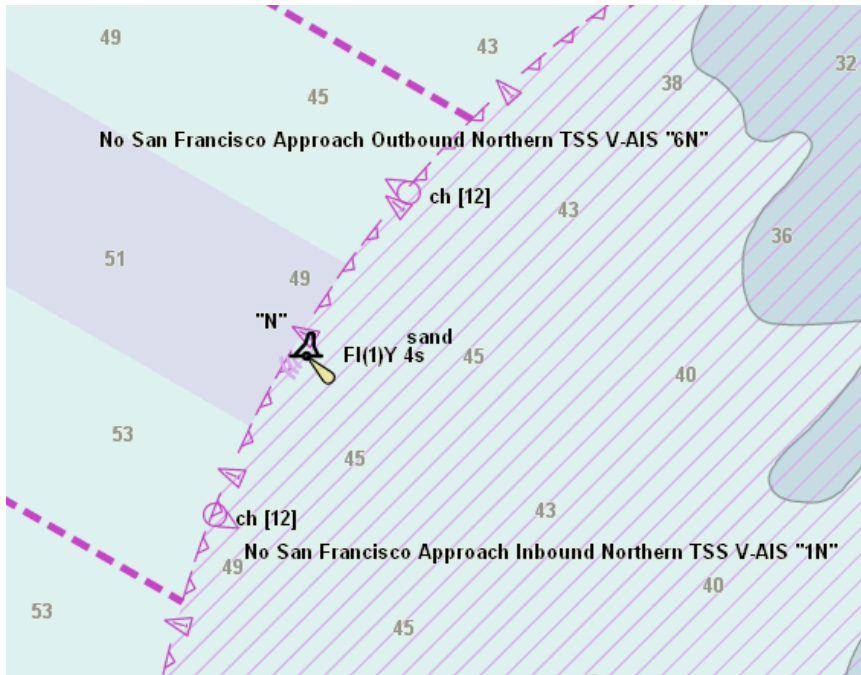
Analysis/Discussion/Conclusions

NOAA is currently charting AIS calling in points with the IM-40.1 symbol with a magenta **V-AIS** label on raster charts. ENCs are being encoded with "V-AIS" added to the OBJNAM (Object Name), such as "San Francisco Approach Outbound Northern TSS V-AIS "6N."

An example of this portrayal may be seen on NOAA Chart 18645 at <http://www.charts.noaa.gov/OnLineViewer/18645.shtml>, a portion of which is shown below.



The corresponding ENC portrayal may be seen by zooming into the San Francisco Bay area in the NOAA ENC Online viewer at <http://www.nauticalcharts.noaa.gov/ENCOnline/enconline.html#> , a portion of which is shown below.



Similar to the symbols developed for virtual AIS aids to navigation, symbols such as the two examples below could be considered for adoption.



If it is determined that no change in symbology is needed, some guidance on the use of the **V-AIS** label for features other than V-AIS AtoNs should be considered for inclusion in S-4 and INT1.

Recommendations

The NCWG should consider whether there is a need to develop standard symbols for calling-in points, pilot boarding points and similar features that are marked with a virtual AIS signal, for both raster and ENC charts, as well as guidance for use of the **V-AIS** label for features other than V-AIS AtoNs, for inclusion in S-4 and INT1.

Justification and Impacts

Independent development and use of various symbols and labels for features with a virtual AIS signal could lead to confusion by mariners interpreting nautical charts.

Action Required of NCWG

NCWG is invited to:

- a. Consider the need to develop new symbols and guidance for virtual AIS features other than ATONs and,
- b. take actions to implement new ENC and raster chart symbology for any features for which a need is identified.