**INTERNATIONAL HYDROGRAPHIC ORGANISATION HYDROGRAPHIQUE**



**ORGANIZATION INTERNATIONALE**

NAUTICAL INFORMATION PROVISION  
WORKING GROUP  
(NIPWG)

[A Working Group of the Hydrographic Services and Standards Committee (HSSC)]

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**NIPWG Letter: 01/2015**

**To NIPWG Members** Date 05 October 2015

Dear Colleagues,

**Subject: Provision of fuzzy areas examples**

References: NIPWG Action Item 1/12  
<http://www.iho.int/mtg_docs/com_wg/NIPWG/NIPWG1/NIPWG_Minutes_final.pdf>

It is commonly agreed and accepted that NPUB data will be GML data. According to a SNPWG initiative, the use of GML is supported by the S-100 Edition 2.0.0 and it is assumed that this support will be retained.

The group discussed during the NIPWG1 meeting the existence of areas with undefined borders. The problem becomes pressing when using GML data. Although supporting GML, the S-100 Edition 2.0.0 is not capable to cover an uncertain extend of a feature spatial.

NIPWG1 decided to initiate a further extension to the S-100 by introducing methods to define areas with uncertain extension, called **fuzzy areas**.

The usual procedure with suggestions to S-100 is to provide the request accompanied with **use cases**.

Thus, action item 1/12 is on the chair to seek feedback from the group on the existence of fuzzy areas in the areas of your HO’s responsibility. These areas will be the basis to develop use cases which are needed to be forwarded as an extension request of S-100.

I would like to invite you to investigate the existence of fuzzy areas and to provide examples **by the** **13 November 2015** at the latest.

Yours sincerely,



Jens Schröder-Fürstenberg, Chairman