

## 8th WENDWG Meeting

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### IC-ENC's Overlapping Data Reporting and Analysis

<b>Submitted by:</b>	IC-ENC General Manager
<b>Executive Summary:</b>	<ol style="list-style-type: none"> <li>1. This paper provides an update on IC-ENC activity regarding overlapping ENCs.</li> <li>2. IC-ENC has provided national overlap reports to each of its affected members and useful comments received back in some cases.</li> <li>3. This paper invites the WENDWG to consider the different lists / tools / reports that are produced regarding overlaps and discuss any opportunities to harmonise.</li> <li>4. This paper invites the WENDWG to consider if there is any value in standardizing categories and definitions.</li> </ol>
<b>Related Documents:</b>	WENDWG8-04.1B3 <a href="#">Joint RENC Feedback on ENC overlaps from VAR/distributors</a>
<b>Related Projects:</b>	

#### Introduction / Background

WENDWG7 endorsed the IC-ENC overlapping policy as a first step to identifying *navigationally significant* overlaps.

IC-ENC has provided each of its members with a national overlap report in February 2018, to seek comments and/or resolution of overlaps. This has been relatively successful and improvement action, and work by HOs continues as a result of these reports.

IC-ENC's Overlap tracking describes the following changes in number of overlaps between WENDWG7 and WENDWG8:

Status	Definition	WENDWG7	WENDWG8
Live	Overlap exists	<b>187</b>	<b>231</b>
Accept	Overlap exists, but is Acceptable (very insignificant)	<b>13</b>	<b>23</b>
Potential	Overlap identified at IC-ENC validation stage, activity is underway to try to prevent issuing an overlap.	<b>15</b>	<b>68</b>
Resolved	An overlap, or potential overlap, that has been successfully resolved.	<b>31</b>	<b>114</b>
Unassessed	Live Overlap not yet assessed	<b>44</b>	<b>0</b>

#### Analysis/Discussion

All overlaps have now been assessed by IC-ENC team, i.e. there are none marked as Unassessed (44 were Unassessed in the WENDWG7 report).

The following summary statistics are provided to assist discussion. These should therefore be considered in conjunction with other reports to WENDWG8 which are likely to be based on a larger set of ENCs (e.g. global).

Status of overlap	Overall Severity of Risk: 10 <sup>th</sup> January 2017							TOTAL
	ACCEPT	LOW	MEDIUM	HIGH	POTENTIAL	RESOLVED	UNASSESSED	
ACCEPT	13							13
LIVE		117	26	0			44	187
POTENTIAL					15			15
RESOLVED						31		31

Status of overlap	Overall Severity of Risk: 1 <sup>st</sup> March 2018							TOTAL
	ACCEPT	LOW	MEDIUM	HIGH	POTENTIAL	RESOLVED	UNASSESSED	
ACCEPT	23							23
LIVE *		173	58	0			0	231
POTENTIAL **					68			68
RESOLVED						114		114

\*See Annex A for the breakdown of these 231 live overlaps by RHC region, including the risk assessment level.

\*\* Of the POTENTIAL overlaps currently in progress, the majority are expected to be solved through agreement of technical data coverage limits before the new ENC is released – i.e. will not result in a new overlap to users.

Useful comments have been received from some IC-ENC members regarding the status of overlaps, following receipt of their national reports. These have identified that for Live overlaps there are several possible outcomes to the resolution (or not) of the overlap:

1. Overlap is unlikely to resolved (e.g. due to political issues) and no technical alignment is being conducted.
2. Overlap is unlikely to resolved (e.g. due to political issues) but technical alignment is being conducted – e.g. alignment of content etc
3. Resolution is in discussion/progress with both Producers agreeing in principle, but timescale unknown.
4. Firm plan to resolve overlap has been agreed by both Producers, resolution expected at a known date.

The WENDWG may wish to consider this type of categorization (and other definitions which might be appropriate), with a view to standardizing the use and categorization across RHCs.

There continues to be known challenges to the IC-ENC overlap process and report:

- The resource required to keep up to date with the assessments – the assessment is labour intensive.
- There have been differences of opinion between HOs with their comments on the same overlap.
- This work only applies to ENCs from IC-ENC members. It must be remembered that these refer to the IC-ENC members' ENCs only (<http://www.ic-enc.org/membership>), not to the full WEND Database overlaps
- IC-ENC is unable to conduct a full assessment on instances which contain 'Non-RENC nation' ENCs – a partial assessment can be made from the meta data information – location, scale etc, but IC-ENC does not have access to the files to load into ECDIS etc

- There are several sources of information regarding ENC overlaps, which differ. For example, the IC-ENC report, the PRIMAR Overlap Checker tool, UKHO's GIS-generated reports to WENDWG.

## **Conclusions**

The related paper WENDWG8-04.1B3 describes the importance of continuing to focus effort on resolving overlapping ENC data.

The WENDWG7 endorsement of the risk assessment methodology ought to provide focus on which overlaps are the priority to take action on. However, it is clear that it will be very hard for some types of overlapping data to be resolved (usually those resulting from geopolitical challenges). But despite the geopolitical challenges, technical activity can be conducted to reduce the impact/risk of overlapping data.

There is the opportunity at WENDWG8 to consider the different lists / tools / reports that are produced regarding overlaps with and discuss any opportunities to harmonise.

There is the opportunity at WENDWG8 to consider whether a simple, but consistent across all RHCs, categorization matrix of the likelihood of resolving the overlap would add value to the process.

## **Action Required of WENDWG**

The WENDWG is invited to:

- Note this report.
- Assess progress made since WENDWG7.
- Consider the different lists / tools / reports that are produced regarding overlaps and discuss any opportunities to harmonise.
- Consider if there is any value in standardizing categories and definitions.

**Annex A**

Number of Live overlaps, separated by RHC, as at 1<sup>st</sup> March 2018 (numbers in brackets as at 10<sup>th</sup> January 2017).

RHC	"Live Overlaps" - Overall Severity of Risk				TOTAL
	LOW	MEDIUM	HIGH	UNASSESSED	
ARHC	2 (2)			0(1)	2 (3)
ARHC/EAHC	4 (0)				4 (0)
BSHC	6 (3)	0 (1)			6 (4)
EAHC	45 (20)	27 (1)		0 (24)	72 (45)
EAHC/SWPHC	2 (0)				2 (0)
EAHC/USCHC	0 (2)				0 (2)
HCA	1 (2)				1 (2)
MACHC	1 (1)				1 (1)
MBSHC	81 (72)	24 (20)		0 (16)	105 (108)
NHC	3 (6)				3 (6)
NIOHC	5 (1)	0 (1)			5 (2)
NSHC	9 (2)				9 (2)
ROPME	3 (0)	4 (1)		0 (2)	7 (3)
ROPME/NIOHC	4 (2)	1 (0)			5 (2)
SAIHC	3 (1)	2 (0)		0 (1)	5 (2)
SEPHC	0 (0)	0 (1)			0 (1)
SWPHC	3 (3)				3 (3)
USCHC	1 (0)	0 (1)			1 (1)
<b>Total</b>	<b>173 (117)</b>	<b>58 (26)</b>	<b>0</b>	<b>0 (44)</b>	<b>231 (187)</b>