

7th WENDWG Meeting
Washington DC, USA, 3 January – 2 February 2017

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IC-ENC's Overlapping Data Policy & Reporting

Submitted by:	IC-ENC General Manager
Executive Summary:	<p>IC-ENC's policy on Overlapping ENC data has been improved. There is a formal structure to assessing each instance, and reports are being produced for RHCs on a regional basis. The new Policy document, a sample extract from the Master tracking spreadsheet and a sample report to an RHC are provided for WENDWG7 review. It is recognized that a limiting factor is that the analysis only applies to overlaps involving an IC-ENC member (http://www.ic-enc.org/membership). The purpose of this paper is to invite WENDWG to:</p> <ol style="list-style-type: none">1. Examine IC-ENC's evolution of its overlapping data policy, with a view to establishing 'best practice'.2. Review IC-ENC's reporting to RHCs, with a view of agreeing a 'best format' report.3. Recognise that this analysis is only relevant to IC-ENC members' ENCs, and assess the implications of this.
Related Documents:	<p>WENDWG7-04.1B1a IC-ENC Overlapping Data Policy WENDWG7-04.1B1b Sample Tracker sheet extract WENDWG7-04.1B1c SAIHC Overlap Report.xls WENDWG7.04.1B1d SAIHC Overlap Report.pdf</p>
Related Projects:	

Introduction / Background

As part of IC-ENC's ISO9001 Quality Management accreditation, during latter 2016 IC-ENC conducted an internal audit of its Overlapping Data policy and procedure. This policy has been discussed at previous WEND Working Groups and so a summary of changes is presented to WENDWG7 via this paper, intended to generate discussion during the meeting.

Analysis/Discussion

IC-ENC Steering Committee approved the following improvements to the IC-ENC Overlapping Data policy in December 2016:

1. Reference is now made to IC-ENC ENC Quality Assurance classifications of "HO Must Correct", "HO Should Correct" and "Accept". This brings the IC-ENC Overlapping Data policy into line with other IC-ENC QA policies and principles.
2. Communication method (IC-ENC to/from member) and response times from IC-ENC members has been formalized. This is to help tracking and resolution of 'live' overlaps.
3. Distribution of IC-ENC's risk assessment has been extended to include RHC ENC Co-ordinators, in addition to WENDWG Chair (global) and RHC Chair (regional) and IHB (as required)
4. Additional columns in the Master tracking sheet have been introduced, including a justification statement of how the "Overall Severity of Risk" was reached.

5. Additional guidance provided to IC-ENC Validator when assessing the following criteria:
 - a. Geographic location of the overlap
 - b. Shipping density
 - c. Shipping route pattern
6. New Criterion added “Display within ECDIS”, building on IC-ENC’s previous (and ongoing) research into ECDIS behavior with respect to overlapping data.

IC-ENC’s assessment work remains a ‘work in progress’, for the following reasons:

1. Retrospectively re-examining the overlapping data is resource intensive, as is continual maintenance of the information
2. This work only applies to ENC’s from IC-ENC members, the policy recognizes that three types of overlap scenario will exist:
 - a. IC-ENC Member & IC-ENC Member (106 Live overlaps);
 - b. IC-ENC Member and Other RENC Member (53 live overlaps);
 - c. IC-ENC Member & Non-RENC nation (87 live overlaps).
3. IC-ENC is unable to conduct a full assessment on instances (87) which contain ‘Non-RENC nation’ ENC’s – 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

A copy of the (in progress) Master spreadsheet has been provided to WENDWG Chair and IHB in January 2017. However, IC-ENC recommended it was not entered in its entirety as a WENDWG7 paper, because a) it is not yet complete and b) there may be national sensitivities to consider. Instead, a sample extract has been prepared to allow WENDWG7 delegates to consider before the meeting, and the full sheet will be available if required during the meeting itself.

The following summary statistics are provided to assist discussion. **It must be remembered that these refer to the IC-ENC members’ ENC’s only (<http://www.ic-enc.org/membership>), not to the full WEND Database overlaps.** These should therefore be considered in conjunction with other reports to WENDWG7 which may be based on a larger set of ENC’s.

There are 246 instances of overlapping ENC’s involving IC-ENC members, as at 10th January 2017. **Nil have been assessed as ‘High Risk’.** The current Status/Overall Severity of Risk is reported here:

Status of overlap	Overall Severity of Risk							TOTAL
	ACCEPT	LOW	MEDIUM	HIGH	POTENTIAL	RESOLVED	UNASSESSED	
ACCEPT	13							13
LIVE		117	26				44	187
POTENTIAL					15			15
RESOLVED						31		31
Grand Total	13	117	26	0	15	31	44	246

It is the ‘Live’ overlaps on which WENDWG7 should focus attention. Separated by RHC, the following report is provided:

RHC	"Live Overlaps" - Overall Severity of Risk				TOTAL
	LOW	MEDIUM	HIGH	UNASSESSED	
ARHC	2			1	3
BSHC	3	1			4
EAHC	20	1		24	45
EAHC /USCHC	2				2
HCA	2				2
MACHC	1				1
MBSHC	72	20		16	108
NHC	6				6
NIOHC	1	1			2
NSHC	2				2
ROPME		1		2	3
ROPME/NIOHC	2				2
SAIHC	1			1	2
SEPHC		1			1
SWPHC	3				3
USCHC		1			1
Grand Total	117	26	0	44	187

Definitions:

Live	Overlap exists
Accept	Overlap exists, but is Acceptable. Likely to be due to the 5m allowable tolerance at international boundaries
Potential	Overlap identified at IC-ENC validation stage, actions are underway to resolve between Producers before new data is released. But, there is the potential that this is unsuccessful and a new overlap will be introduced.
Resolved	An overlap, or potential overlap, that has been successfully resolved.
Unassessed	Overlap not yet assessed

See Policy document for definitions of Low, Medium, High risk assessment conclusion.

As described in the IC-ENC policy document, prior to each RHC meeting, IC-ENC will prepare a Summary report on pertinent overlaps (once again – only overlaps which include an IC-ENC member) to assist the RHC discussion. The report that was submitted to SAIHC meeting in August 2016 is included to illustrate the concept, the exact style and content of the report continues to evolve.

Conclusions

IC-ENC concludes that making an assessment of each instance of overlapping data is important and valuable. Simply reporting the ‘number of overlaps in a region’ is useful, but is a little too crude. IC-ENC’s policy provides a structured framework for making the assessment. It is a structure only – each instance must be assessed on its own merits and there may be local factors which take precedence. IC-ENC members recognize this through their approval of the changes to IC-ENC’s policy.

Action Required of WENDWG

As stated above, the monitoring, assessment and reporting of overlaps is resource intensive, IC-ENC wishes to ensure maximum value is achieved from this effort. IC-ENC therefore invites the WENDWG to:

1. Examine IC-ENC's evolution of its overlapping data policy, with a view to establishing 'best practice'
2. Review IC-ENC's reporting to RHCs, with a view of agreeing a 'best format' report
3. Recognise that this analysis is only relevant to IC-ENC members' ENCs, and assess the implications of this.