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# IC-ENC Overlapping data policy

## WENDWG7 January 2017

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# Background

- ISO9001 internal audit of Overlapping Data policy and procedure.
- Continuous improvement activity
- Changes approved by IC-ENC Steering Committee December 2016
- Update to WENDWG7

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# Summary of process

- Overlap identified during validation
- Is it possible to resolve?
  - Yes – great, all part of the RENC service ☺, problem prevented
  - No – risk assess, via a structured process:
    - Risk Criteria
    - Communication (HOs, RENCs)
    - Reporting (HOs, RENCs, RHCs, WENDWG, IHB)

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# Purpose of this report:

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

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# Continuous Improvement of policy

- 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.

# Continuous Improvement of policy

- 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.

# Continuous Improvement of policy

- 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)

# Continuous Improvement of policy

- Additional columns in the Master tracking sheet have been introduced, including a justification statement of how the “Overall Severity of Risk” was reached.

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# Continuous Improvement of policy

- Additional guidance provided to IC-ENC Validator when assessing the following criteria:
  - Geographic location of the overlap
  - Shipping density
  - Shipping route pattern

# Continuous Improvement of policy

- New criterion added “Display within ECDIS”, building on IC-ENC’s previous (and ongoing) research into ECDIS behavior with respect to overlapping data.

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# Summary table

| 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 |

# Comments

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

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# Tracking Spreadsheet

| | A | B | C | D | E | F | G | H | I |
|---|---|---|---|---|---|---|---|---|---|
| 1 | RENC/ Non-RENC | RHC | ENC 1 | ENC 2 | Usage Band | ENC 1 Scale | ENC Scale 2 | ENC 1 EN (ER) | ENC 2 EN (ER) |
| 2 | ICENC | SAIHC | RU1A2K00 | AU160060 | 1 | 3,000,000 | 3,500,000 | 1(0) | 2(4) |
| 3 | | | | | | | | | |

| | J | K | L | M | N | O | P | Q | R |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Overlap (m/square NM) | Average annual sales volume | Content difference | Geog. Location | Shipping density | Size | Scale | Route patterns | Overall Severity of Risk |
| 2 | 340Km x 795Km | N/A | LOW | LOW | N/A | LOW | LOW | MEDIUM | LOW |

| | S | T | U | V | W | X |
|---|---|---|---|---|---|---|
| 1 | Action requested | Date Identified | Comments | Added to Readme.txt? | STATUS | Last Amended |
| 2 | Clip to common border | 09/03/2015 | Dispute regarding clipping to 60 degree S Line | Y | LIVE | 26/08/2016 |

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# SAIHC report

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## IC-ENC Overlap (Gap) Report

**Cell Name RU1A2K00**

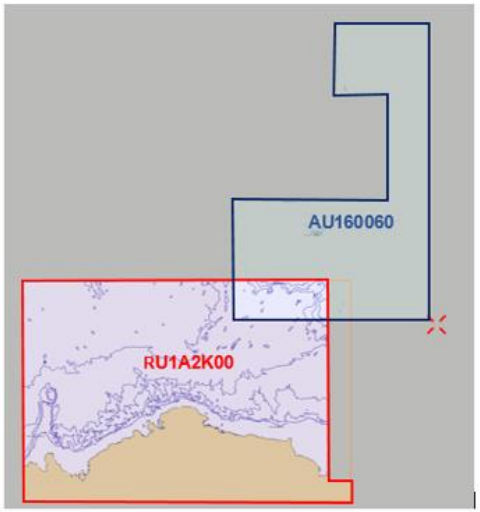
**Overlapping (Adjoining) Coverage**

*Cell name* overlaps with the following existing coverage:

| *Cell Name* | *Edition: pp(uu)* |
|---|---|
| **AU160060** | **2 (4)** |

**Overlap (Adjoining) Diagram**

*Sample*




**Overlap Consistency**

All deep water, and reasonable consistency.

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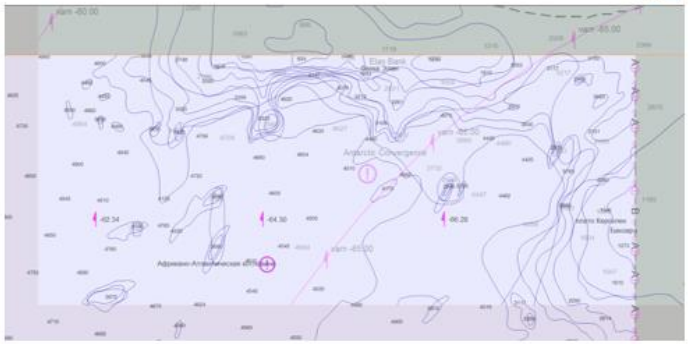

**IC-ENC Overlap Summary**

| ENC 1 | ENC 2 | Data Consistency | Location | Shipping Density | Extent of Overlap | ENC Compilation Scales | Shipping Patterns | Overall |
|---|---|---|---|---|---|---|---|---|
| RU1A2K00 | AU160060 | LOW | LOW | N/A | LOW | LOW | MEDIUM | LOW |

# Conclusions

- 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.

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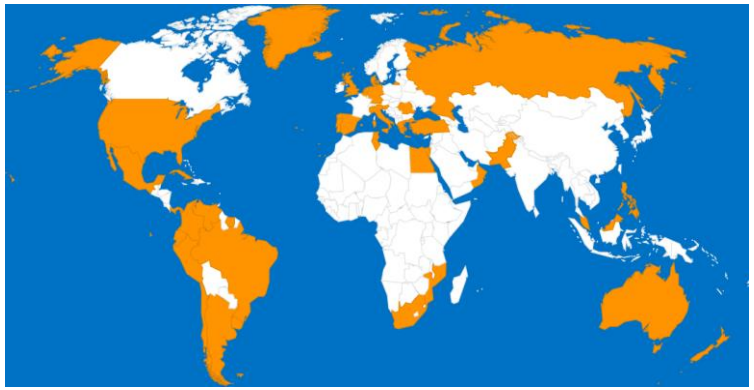
# WENDWG invited to:

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