

**10<sup>th</sup> CSPCWG MEETING**  
**21-24 January 2014. Wellington, New Zealand**

**Paper for Consideration by CSPCWG**

**Quarantine Zone Boundary Line Symbol**

<b>Submitted by:</b>	Australia
<b>Executive Summary:</b>	Australia has a requirement to include a quarantine zone on several of its nautical charts, and has developed a national symbol for the boundary based on existing INT1 symbols. CSPCWG is requested to consider whether such a symbol should be adopted internationally.
<b>Related Documents:</b>	S-4 Regulations of the IHO for International (INT) Charts and Chart Specifications of the IHO; INT1.
<b>Related Projects:</b>	S-4 Maintenance; INT1 Sub-WG

### Introduction / Background

Australia has been required to include the limits of a legislated quarantine zone covering the main shipping channels of the Torres Strait in north-east Australia, to assist with policing of vessels transiting the Strait. As no international symbol exists for such a limit, Australia has developed its own “supplementary national symbol” to portray this limit on paper charts. CSPCWG may consider whether there is a requirement to adopt this as an international symbol.

### Analysis / Discussion

The establishment of quarantine regulations is at the discretion of individual national authorities (i.e. is not included in any IMO regulation in regard to the establishment of quarantine areas). From a nautical charting perspective, quarantine information is generally limited to the depiction of quarantine anchorages (S-4 – B-431.3) and buildings (S-4 – B-325.3). However, in some cases it may be required to include the limit of a quarantine zone or area as declared by a regulatory authority, in order to assist with policing of ships transiting the area. Such a requirement exists in the Torres Strait in north-eastern Australia, in order to regulate the content and cargoes of ships transiting through the Strait into the Great Barrier Reef Marine Park PSSA/ESSA.

As a symbol for the limit of a quarantine zone does not exist in INT1, the AHS considered the requirement for such a symbol in regard to the Torres Strait Quarantine Zone. As the Torres Strait is a fairly complex area in regard to charted maritime boundaries and limits, it was considered that use of the maritime limit in general (N1.2) with a text annotation within and along the boundary would cause confusion to the chart user. A supplementary national symbol was therefore developed, incorporating the N1.2 maritime limit in general and the magenta quarantine symbol used to indicate a quarantine anchorage area (N12.8):



As the zone is a regulatory area rather than a zone having navigational restrictions, it was considered that N1.2 was considered appropriate as distinct from N2.1. As this symbol is not currently an international symbol, it was considered necessary to include a legend along the limit, inside the area. If adopted as an international symbol, it is considered that the legend would not be required.

Although there may not be a regular requirement to show such zones or areas on charts, it is considered that such regulated areas may have a similar importance to customs zones (S-4 – B-440.2), and therefore may be charted in certain circumstances. Australia is therefore submitting this supplementary national paper chart symbol for consideration of CSPCWG for adoption as an international symbol. If approved, Australia will submit a proposal to the TSMAD and DIPWG for encoding and portrayal of such zones in ECDIS.

## Recommendations

1. That CSPCWG consider whether there is a requirement for an international paper chart symbol for quarantine zones.
2. If approved, consider adding the following new clause B-440.10:

**B-440.10 Quarantine zone limits**, where details are provided by a regulatory authority, must be charted, if required, on land and sea, by a dashed magenta line (N1.2) with the magenta quarantine symbol at intervals of approximately 40mm or closer and not exceeding 50mm. For small areas, the magenta quarantine symbol should be inserted within the area defined by the dashed magenta line N1.2, and may be repeated if required.

*[insert sample symbol]*

For quarantine anchorages, see B-431.3.

3. If approved, consider adding the new symbol for quarantine zone limit at INT1 – N50.

## Justification and Impacts

It is considered that introduction of a new international symbol for quarantine zone limits will improve chart readability. The proposed symbol is consistent with the convention used in other maritime boundary and limit depiction, and adoption of the new symbol will have no impact on existing published paper charts.

CSPCWG impacts resulting from acceptance of this proposal will be to draft an amendment to S-4; and INT1 Sub-Working Group to incorporate a sample of the symbol in INT1 (no re-numbering in INT1 required). If accepted, a further proposal will be developed for TSMAD and DIPWG for encoding and portrayal of such zones in ECDIS.

## Action required of CSPCWG

CSPCWG is invited to:

- a. Consider adoption of a new international paper chart symbol for a quarantine zone limit; and
- b. Determine appropriate changes to S-4 and INT1, if required, based on the recommendations above.