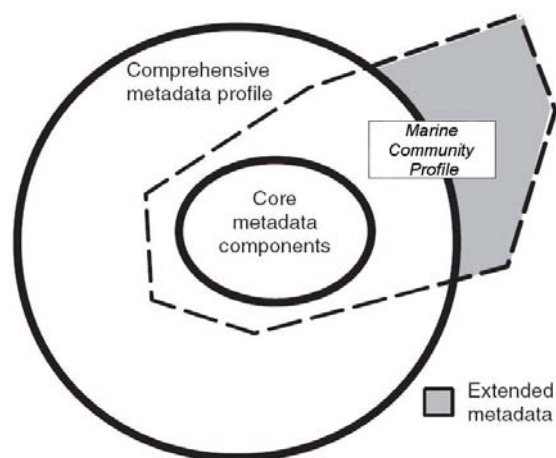


Marine Community Metadata Profile of ISO 19115

The Australian Ocean Data Centre Joint Facility, a joint venture between six Australian Government marine data agencies, has defined a marine community of practice metadata profile of the ISO 19115 standard to support the documentation and discovery of marine datasets.

The International Standard ISO 19115 *Geographic information – Metadata* defines around 300 metadata elements, with most of these being listed as optional. The ISO Standard specifies the process where individual communities can develop a “community profile” of the international standard. A community can adopt parts of the standard and also extend the elements, keywords and code tables to suit that community. The Marine Community Profile is compliant with ISO 19106 *Geographic information - Profiles* which describes the rules for developing profiles of the 19100 series standards.

The Marine Community Profile is a subset of the standard and includes all ISO 19115 core and mandatory metadata elements. In addition, the Marine Community Profile has defined supplementary elements, codelists and controlled vocabularies to assist in the description of marine resources. The diagram illustrates the relationship between the core metadata components, the comprehensive metadata profile and the Marine Community Profile (*adapted from ISO 19115:2003*).



The Marine Community Profile has defined four new metadata elements and two new code tables. The extended metadata elements are:

- Revision Date. Describes the date on which the metadata was modified.
- Sampling Frequency. Describes the temporal sampling frequency of the resource, e.g. daily, weekly, monthly.
- Currency. Describes the temporal currency of the resource. Values are described in the Currency Type Code list.
- Temporal Aggregation. Describes the temporal aggregation of the resource. Values are described in the Temporal Aggregation Unit Code list.

The extended code lists are:

- Currency Type Code. Values to describe the temporal currency of the resource, e.g. most recent, historical, predicted.
- Temporal Aggregation Unit Code. Values to describe the temporal aggregation unit, e.g. day, month, multi-month.

An XML encoding schema, based on ISO19139, has been developed to describe, validate and exchange Marine Community Profile metadata.

Further details on the Marine Community profile can be found at <http://www.aodc.org.au/index.php?id=37>