



Arctic Regional Hydrographic Commission (ARHC)
 Arctic Regional Marine Spatial Data Infrastructures Working Group (ARMSDIWG)

MSDI Aggregated Data Web Service Checklist for the ARHC

In keeping with ARMSDIWG’s Terms of Reference task to “identify and assess the statuses of individual MS MSI implementation and operationalization”, the ARMSDIWG has asked the hydrographic offices of ARHC to complete this checklist annually. Doing so will allow ARMSDIWG, on behalf of ARHC, to track the status of fulfilling Arctic MSI-related data web service requests identified by ARHC, and to enable a federated approach to MSI in the Arctic with data directly from each national hydrographic authority or partner agency/organization.

Hydrographic Office: Click here to enter the name(s) of your responding Hydrographic Office(s).

Date: Click to enter a date.

General Arctic Hydrographic Office Data

Please indicate in the checkboxes if the dataset is AVAILABLE or NOT AVAILABLE via geospatial web service, and if AVAILABLE, please indicate if it is FREE to access and provide the URL to the web service. If an international/multi-national dataset is recommended instead, please check AVAILABLE and provide the web service URL:

DATASET	NOT AVAILABLE	AVAILABLE	FREE
Navigational Charts (S-57) URL: Click here to enter URL.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Navigational Charts (Analog/Raster) URL: Click here to enter URL.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bathymetric Data/Depth Data URL: Click here to enter URL.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coastline URL: Click here to enter URL.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Maritime Limits and Boundaries URL: Click here to enter URL.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nautical Information (Sailing Directions) URL: Click here to enter URL.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nautical Information (Harbor Pilots) URL: Click here to enter URL.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Arctic Voyage Planning Guide (AVPG)

Please indicate in the checkboxes if the dataset is AVAILABLE or NOT AVAILABLE via geospatial web service, and if AVAILABLE, please indicate if it is FREE to access and provide the URL to the web service. If an international/multi-national dataset is recommended instead, please check AVAILABLE and provide the web service URL. Datasets below are ordered by AVPG Theme:

DATASET	NOT AVAILABLE	AVAILABLE	FREE
Theme 1: Carriage Requirements			
Navigation Warning Services URL: Click here to enter URL.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Radio Aids to Navigation URL: Click here to enter URL.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
List of Lights and Buoys and Aids to Navigation URL: Click here to enter URL.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nautical Charts and Publications Services URL: Click here to enter URL.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Theme 2: Regulatory Requirements			
Acts and Regulations specific to Marine Navigation (similar to S-49 E.3.2) URL: Click here to enter URL.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
IMO Guidelines for Operating in Polar Waters URL: Click here to enter URL.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

DATASET	NOT AVAILABLE	AVAILABLE	FREE
Theme 3: Arctic Environment Considerations			
Communities and Populated Areas Information URL: Click here to enter URL.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Weather Station Locations and Services Available (similar to S-49 E.4.2 and U.4)) URL: Click here to enter URL.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Airports and Hospitals URL: Click here to enter URL.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Resource Development Significant Locations URL: Click here to enter URL.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Theme 4: Route Planning			
Traditional Traffic Routes (similar to S-49 E.3.2) URL: Click here to enter URL.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Controlled Navigational Areas including Vessel Traffic Services Zones URL: Click here to enter URL.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Limiting Depth For Constricted Waterways URL: Click here to enter URL.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tide, Current and Water Level information (similar to S-49 U.6.1) URL: Click here to enter URL.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Environment Protected Areas URL: Click here to enter URL.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Major Aids to Navigations (similar to S-49 E.1.2 and U.1.2) URL: Click here to enter URL.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Places of refuge or Pilot Boarding Stations (similar to S-49 E.1.5) URL: Click here to enter URL.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Calling-in Points (similar to S-49 E.4.1) URL: Click here to enter URL.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Theme 5: Reporting and Communicating			
Areas of Legislative Importance to Navigation URL: Click here to enter URL.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Marine Communication Services (similar calling-in info to S-49 E.4.1) URL: Click here to enter URL.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Theme 6: Marine Services			
Ice Breaking Support Services URL: Click here to enter URL.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Search and Rescue Support Services URL: Click here to enter URL.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ice Services Information (similar to S-49 U.6.4) URL: Click here to enter URL.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Theme 7: Nautical Charts and Publication			
Nautical Chart Catalogue and Coverage URL: Click here to enter URL.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Publication Catalogue and Coverage URL: Click here to enter URL.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

User Survey Report: Better access to geospatial data for Arctic marine areas

Please indicate in the checkboxes if the dataset is AVAILABLE or NOT AVAILABLE via geospatial web service, and if AVAILABLE, please indicate if it is FREE to access and provide the URL to the web service. If an international/multi-national dataset is recommended instead, please check AVAILABLE and provide the web service URL. If more explanation is needed to answer accurately, please check CLARIFY. Datasets below are ordered by importance (on a 0-10 scale with 10 being the most important) based on feedback from the Arctic Council's AMAP, PAME, and EPPR working groups:

DATASET	NOT AVAILABLE	AVAILABLE	FREE	CLARIFY
Importance: 9				
Sea Areas URL: Click here to enter URL.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Maritime Borders URL: Click here to enter URL.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ice border zone URL: Click here to enter URL.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ship Traffic URL: Click here to enter URL.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

DATASET	NOT AVAILABLE	AVAILABLE	FREE	CLARIFY
Importance: 8				
Land Areas URL: Click here to enter URL.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
National Borders URL: Click here to enter URL.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coastal Borders URL: Click here to enter URL.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ocean Floor and Seabeds URL: Click here to enter URL.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ocean streams URL: Click here to enter URL.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Special Valuable and Vulnerable Areas URL: Click here to enter URL.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vulnerable natural habitats URL: Click here to enter URL.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Importance: 7				
Satellite data/images URL: Click here to enter URL.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Named Places URL: Click here to enter URL.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Distribution of Fish Species URL: Click here to enter URL.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Distribution of Sea Mammals URL: Click here to enter URL.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sea bird colonies URL: Click here to enter URL.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Marine Protection URL: Click here to enter URL.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fishery URL: Click here to enter URL.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Offshore Installations URL: Click here to enter URL.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Importance: 6				
Continental Shelves URL: Click here to enter URL.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Importance: 5				
Management Planning Areas URL: Click here to enter URL.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Distribution of Shellfish URL: Click here to enter URL.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Petroleum Resources URL: Click here to enter URL.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Mineral Resources URL: Click here to enter URL.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Geological Structures URL: Click here to enter URL.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Human Influence URL: Click here to enter URL.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Environmental Values URL: Click here to enter URL.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Importance: 4				
Statistical Areas of Fishery URL: Click here to enter URL.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ocean Wind Study Areas URL: Click here to enter URL.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Traffic Regulations URL: Click here to enter URL.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Importance: 3				
Fishery Regulations URL: Click here to enter URL.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Regulations for Petroleum Activities URL: Click here to enter URL.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>