PAME
Protection of the Arctic Marine Environment

ARCTIC SHIP TRAFFIC DATA
Level 3 access and fee structure

PAME II-2017 RoDs:

"PAME requests the ASTD Expert Group to circulate to PAME Members for comment by 1 November a proposed fee structure for level 3 access to the ASTD system as described in Attachment One to the ASTD Cooperative Agreement.

ASTD Background

The Arctic Ship Traffic Data (ASTD) project is an initiative from PAME to collect historical information on shipping activity in the Arctic from the Arctic Council member states, to use for trend analysis and related purposes.

The Senior Arctic Officials of the Arctic Council approved the *Arctic Council Framework for Cooperative Action on Arctic Ship Traffic Data Sharing ("ASTD Framework")* in May 2017. The purpose of the *ASTD Framework* is to describe and define the general conditions for the intended sharing of Arctic Shipping Data among the Participants. It also outlines access to others than Arctic Council member governments to the data.

Click here to read the ASTD Framework.

Click here to read more about the project

Access to and use of ASTD Data

The *ASTD Framework - Attachment 1* outlines access to and use of ASTD data. It describes four different access levels to data. Level 1 and Level 2 is exclusive for Arctic States that are current on their annual *pro rata* share financial contributions but Level 3 access is for:

"Arctic States that are not current on their full annual pro rata share financial contributions; Permanent Participants; Arctic Council Subsidiary Bodies; Arctic Council Observers that have made a financial contribution of an amount decided by PAME member governments to the administration, maintenance and operation of the Network."

Description of data

As described in the ASTD Framework

LEVEL 3 access means access to the same data as is available under LEVEL 2 except that ship type information is aggregated into 13 ship types instead of 49 ship types. The PAME International Secretariat will notify all Participants of each LEVEL 3 request. LEVEL 3 access may be granted only if there is consensus to do so among all Participants. If no Participants objects to the LEVEL 3 request within 28 calendar days after notification by the PAME International Secretariat, the requestor will receive a username and password after it has signed a data sharing arrangement (Attachment Two) A Participant may request LEVEL 3 access on behalf of an accredited academic institution or other recognized research entity under the terms and conditions described in the ASTD Framework and this section, the signing of a data sharing arrangement (Attachment Two), and the payment of a financial contribution by the academic institution or research entity in an amount to be decided by PAME.

The data includes:

- ✓ UTC timestamp of position report
- ✓ Latitude and longitude
- ✓ Speed over ground
- ✓ Course over ground
- ✓ Detailed Ship type for each ship sailing, 13 ship types included
- ✓ Emission data for each ship
- ✓ Tonnage
- ✓ Size
- ✓ Engine data
- ✓ Tank volumes
- ✓ Anticipated main fuel types
- ✓ Entries to specific ports in the Arctic
- ✓ Information from specific areas in the Arctic, including EEZ, Large Marine Ecosystems of the Arctic and Marine Protected Areas

Fee structure

Arctic States that are not current on their full annual pro rata share financial Contributions, Permanent Participants; Arctic Council Subsidiary Bodies- free access. Arctic Council Observers, accredited academic institutions and recognized research entities can acquire access to the ASTD data by means of financial contribution as per the proposed fee structure.

The amount decided by the ASTD expert group differ between the length of access. The financial contribution will allow access via a username and password provided by the PAME Secretariat for the specific time only. After the period of time, the username will no longer be valid. Users can log in as many times as they want within the chosen period of time, and access all the data currently available.

Cost of access*

Nr.	Time	Cost (USD)
1.	1 month	500
2.	3 months	800
3.	6 months	1000
4.	12 months	1500
5.	36 months	4000
6.	48 months	5000

*Amounts are subject to change

Attachment three of the ASTD Framework describes the annual running costs of the project. Running costs include administration, data storage, maintenance, operation, change and update of hardware and other related aspects. It will also cover license fees and upgrades to key software components when technology is outdated. Current estimated total annual running costs are $28.000 USD, in addition to development costs.

Data samples will be made available on the PAME website.

Cost of access*