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DATRAS Specification Document
# Units in DATRAS Products

## Contents

## Exchange Data

Product for all species. Fields are enlisted in order of appearance in the downloaded file, merged for all records. Code references are not survey-specific. For survey-specific references please address DATRAS Reporting format.

| Field name | Units/codes description |
|---|---|
| RecordType | http://vocab.ices.dk/?ref=191 |
| Survey | Abbreviation as in http://vocab.ices.dk/?ref=102 |
| Quarter | http://vocab.ices.dk/?ref=12 |
| Country | http://vocab.ices.dk/?ref=4 |
| Ship | http://vocab.ices.dk/?ref=3 |
| Gear | http://vocab.ices.dk/?ref=2 |
| SweepLngt | Metres |
| GearExp | http://vocab.ices.dk/?ref=97 |
| DoorType | http://vocab.ices.dk/?ref=98 |
| StNo | National code |
| HaulNo | Numeric value |
| Year | Calendar year, yyyy |
| Month | http://vocab.ices.dk/?ref=13 |
| Day | Calendar day of the month, dd |
| TimeShot | GMT, hhmm |
| Stratum | http://vocab.ices.dk/?ref=99 |
| HaulDur | Minutes |
| DayNight | http://vocab.ices.dk/?ref=8 |
| ShootLat | Degree.Decimal Degree of latitude |
| ShootLong | Degree.Decimal Degree of longitude |
| HaulLat | Degree.Decimal Degree of latitude |
| HaulLong | Degree.Decimal Degree of longitude |
| StatRec | http://geo.ices.dk |
| Depth | Metres |
| HaulVal | http://vocab.ices.dk/?ref=1 |
| HydroStNo | National code |
| StdSpecRecCode | http://vocab.ices.dk/?ref=88 |
| BycSpecRecCode | http://vocab.ices.dk/?ref=89 |
| DataType | http://vocab.ices.dk/?ref=9 |
| Netopening | Metres |
| Rigging | http://vocab.ices.dk/?ref=181 |
| Tickler | http://vocab.ices.dk/?ref=182 |
| Distance | Metres |
| Warplngt | Metres |
| Warpdia | Millimetres |
| WarpDen | Kg per linear meter |
| DoorSurface | Square metres |
| DoorWgt | Kilograms |
| DoorSpread | Metres |
| WingSpread | Metres |
| Buoyancy | Kilograms |
| KiteDim | Square metres |

| | |
|---|---|
| WgtGroundRope | Kilograms |
| TowDir | Degrees |
| GroundSpeed | Knots |
| SpeedWater | Knots |
| SurCurDir | Degrees |
| SurCurSpeed | Metres/second |
| BotCurDir | Degrees |
| BotCurSpeed | Metres/second |
| WindDir | Degrees |
| WindSpeed | Metres/second |
| SwellDir | Degrees |
| SwellHeight | Metres |
| SurTemp | Celsius degrees |
| BotTemp | Celsius degrees |
| SurSal | Practical Salinity Units (PSU) |
| BotSal | Practical Salinity Units (PSU) |
| ThermoCline | http://vocab.ices.dk/?ref=112 |
| ThClineDepth | Metres |
| DateofCalculation | YYYYMMDD |
| SpecCodeType | http://vocab.ices.dk/?ref=96 |
| SpecCode | http://datras.ices.dk/Data_products/qryspec.aspx |
| SpecVal | http://vocab.ices.dk/?ref=5 |
| Sex | http://vocab.ices.dk/?ref=17 |
| TotalNo | Number of fish |
| CatIdentifier | http://vocab.ices.dk/?ref=16 |
| NoMeas | number of fish |
| SubFactor | factor of subsampling |
| SubWgt | Grams |
| CatCatchWgt | Grams |
| LngtCode | http://vocab.ices.dk/?ref=18 |
| LngtClass | In mm for mm and ½cm classes, in cm for cm classes |
| HLNoAtLngt | Number of fish |
| Valid_Aphia | Valid WoRMS AphiaID for the reported species code as in WoRMS |
| AreaType | http://vocab.ices.dk/?ref=10 |
| AreaCode | Check related references for AreaType and relevant dataset in the ICES vocabulary server |
| Maturity | http://vocab.ices.dk/?ref=128 |
| PlusGr | http://vocab.ices.dk/?ref=14 |
| Age (AgeRings) | Years |
| NoAtALK (CANoAtLngt) | Number of fish |
| IndWgt | Grams |

## Litter Exchange Data

DATRAS survey litter data can be mapped to the HH-records by the key values like Survey, Year, Quarter, Country, Ship, Gear. For the other litter format references please refer to
http://dome.ices.dk/datsu/selRep.aspx

| Field name | Units/codes description |
|---|---|
| RecordType | http://vocab.ices.dk/?ref=191 |
| Quarter | http://vocab.ices.dk/?ref=12 |
| Country | http://vocab.ices.dk/?ref=4 |
| Ship | http://vocab.ices.dk/?ref=3 |
| Gear | http://vocab.ices.dk/?ref=2 |
| Survey | Abbreviation as in http://vocab.ices.dk/?ref=102 |
| Reserved1 | Default value -9 |
| Reserved2 | Default value -9 |
| StNo | National code |
| HaulNo | Numeric value |
| Year | Calendar year, yyyy |
| LTREF | http://vocab.ices.dk/?ref=1381 |
| PARAM | Refer to http://vocab.ices.dk/ depeding on the LTREF |
| LTSZC | http://vocab.ices.dk/?ref=1380 |
| UnitWgt | Units used for reporting the next field http://vocab.ices.dk/?ref=1421 |
| LT_Weight | See prev. field |
| UnitItem | Units used for reporting the next field http://vocab.ices.dk/?ref=1422 |
| LT_Items | See prev. field |
| LTSRC | http://vocab.ices.dk/?ref=1382 |
| TYPPL | http://vocab.ices.dk/?ref=1385 |
| LTPRP | http://vocab.ices.dk/?ref=1403 |

## CPUE per length per haul

(Product for standard and other species)

| Field name | Units/codes description |
| --- | --- |
| Survey | http://vocab.ices.dk/?ref=102 |
| Year | Calendar year, yyyy |
| Quarter | http://vocab.ices.dk/?ref=12 |
| Ship | http://vocab.ices.dk/?ref=3 |
| Gear | http://vocab.ices.dk/?ref=2 |
| HaulNo | Numeric value |
| ShootLat | Degree.Decimal Degree of latitude |
| ShootLon | Degree.Decimal Degree of longitude |
| DateTime | As mm/dd/yyyy hh:mm(:ss PM/AM) |
| Depth | Metres |
| Area | Survey-related area. Check http://vocab.ices.dk/ and Survey Maps for more information |
| Subarea | Depth stratum code or ICES statistical rectangle |
| DayNight | http://vocab.ices.dk/?ref=8 |
| AphiaID | http://www.marinespecies.org/ |
| Species | Latin name |
| Sex | http://vocab.ices.dk/?ref=17 |
| LngtClas | Millimetres |
| CPUE_number_per_hour | Catch in numbers per hour of hauling |
| DateofCalculation | Last date the product was calculated in YYYYMMDD |

## CPUE per length per area

(Product for standard and other species)

| Field name | Units/codes description |
| --- | --- |
| Survey | http://vocab.ices.dk/?ref=102 |
| Year | Calendar year, yyyy |
| Quarter | http://vocab.ices.dk/?ref=12 |
| Area | http://vocab.ices.dk/ |
| AphiaID | http://www.marinespecies.org/ |
| Species | Latin name |
| LngtClas | Millimetres |
| CPUE | Catch in numbers per hour of hauling |
| DateofCalculation | Last date the product was calculated in YYYYMMDD |

## CPUE per length per subarea

(Product for standard and other species)

| Field name | Units/codes description |
|---|---|
| Survey | http://vocab.ices.dk/?ref=102 |
| Year | Calendar year, yyyy |
| Quarter | http://vocab.ices.dk/?ref=12 |
| Area | Survey-related area. Check http://vocab.ices.dk/ and Survey Maps for more information |
| Subarea | Depth stratum code or ICES statistical rectangle |
| AphiaID | http://www.marinespecies.org/ |
| Species | Latin name |
| LngtClas | Millimetres |
| CPUE_number_per_hour | Catch in numbers per hour of hauling |
| DateofCalculation | Last date the product was calculated in YYYYMMDD |

## CPUE per age per haul

(Product for standard species only)

| Field name | Units/codes description |
|---|---|
| Survey | http://vocab.ices.dk/?ref=102 |
| Year | Calendar year, yyyy |
| Quarter | http://vocab.ices.dk/?ref=12 |
| Ship | http://vocab.ices.dk/?ref=3 |
| Gear | http://vocab.ices.dk/?ref=2 |
| HaulNo | Numeric value |
| ShootLat | Degree.Decimal Degree of latitude |
| ShootLon | Degree.Decimal Degree of longitude |
| DateTime | As mm/dd/yyyy hh:mm(:ss PM/AM) |
| Depth | Metres |
| Area | Survey-related area. Check http://vocab.ices.dk/ and Survey Maps for more information |
| Subarea | Depth stratum code or ICES statistical rectangle |
| DayNight | http://vocab.ices.dk/?ref=8 |
| AphiaID | http://www.marinespecies.org/ |
| Species | Latin name |
| Sex | http://vocab.ices.dk/?ref=17 |
| Age_0 | Catch in numbers per hour |
| Age_1 | Catch in numbers per hour |
| Age_2 | Catch in numbers per hour |
| Age_3 | Catch in numbers per hour |
| Age_4 | Catch in numbers per hour |
| Age_5 | Catch in numbers per hour |
| Age_6 | Catch in numbers per hour |
| Age_7 | Catch in numbers per hour |
| Age_8 | Catch in numbers per hour |
| Age_9 | Catch in numbers per hour |
| Age_10 | Catch in numbers per hour |
| DateofCalculation | Last date the product was calculated in YYYYMMDD |

## CPUE per age per area

(Product for standard species only)

| Field name | Units/codes description |
| --- | --- |
| Survey | http://vocab.ices.dk/?ref=102 |
| Year | Calendar year, yyyy |
| Quarter | http://vocab.ices.dk/?ref=12 |
| Area | Survey-related area. Check http://vocab.ices.dk/ and Survey Maps for more information |
| AphiaID | http://www.marinespecies.org/ |
| Species | Latin name |
| Age_0 | Catch in numbers per hour |
| Age_1 | Catch in numbers per hour |
| Age_2 | Catch in numbers per hour |
| Age_3 | Catch in numbers per hour |
| Age_4 | Catch in numbers per hour |
| Age_5 | Catch in numbers per hour |
| Age_6 | Catch in numbers per hour |
| Age_7 | Catch in numbers per hour |
| Age_8 | Catch in numbers per hour |
| Age_9 | Catch in numbers per hour |
| Age_10 | Catch in numbers per hour |
| DateofCalculation | Last date the product was calculated in YYYYMMDD |

## CPUE per age per subarea

(Product for standard species only)

| Field name | Units/codes description |
| --- | --- |
| Survey | http://vocab.ices.dk/?ref=102 |
| Year | Calendar year, yyyy |
| Quarter | http://vocab.ices.dk/?ref=12 |
| Area | Survey-related area. Check http://vocab.ices.dk/ and Survey Maps for more information |
| Subarea | Depth stratum code or ICES statistical rectangle |
| AphiaID | http://www.marinespecies.org/ |
| Species | Latin name |
| Age_0 | Catch in numbers per hour |
| Age_1 | Catch in numbers per hour |
| Age_2 | Catch in numbers per hour |
| Age_3 | Catch in numbers per hour |
| Age_4 | Catch in numbers per hour |
| Age_5 | Catch in numbers per hour |
| Age_6 | Catch in numbers per hour |
| Age_7 | Catch in numbers per hour |
| Age_8 | Catch in numbers per hour |
| Age_9 | Catch in numbers per hour |
| Age_10 | Catch in numbers per hour |
| DateofCalculation | Last date the product was calculated in YYYYMMDD |

### SMALK

(Product for standard and other species)

| Field name | Units/codes description |
|---|---|
| Survey | http://vocab.ices.dk/?ref=102 |
| Year | Calendar year, yyyy |
| Country | http://vocab.ices.dk/?ref=4 |
| Quarter | http://vocab.ices.dk/?ref=12 |
| Area | Survey-related area. Check http://vocab.ices.dk/ and Survey Maps for more information |
| AphiaID | http://www.marinespecies.org/ |
| Species | Latin name |
| LngtClasMM | Millimetres |
| PlusGr | http://vocab.ices.dk/?ref=14 |
| Age | Years |
| Sex | http://vocab.ices.dk/?ref=17 |
| Maturity | http://vocab.ices.dk/?ref=128 |
| IndividualWeight | Grams |
| NoAtalk | Number of fish |
| DateofCalculation | Last date the product was calculated in YYYYMMDD |

### ALK

(Product for standard species only)

| Field name | Units/codes description |
|---|---|
| Survey | http://vocab.ices.dk/?ref=102 |
| Year | Calendar year, yyyy |
| Quarter | http://vocab.ices.dk/?ref=12 |
| Area | Survey-related area. Check http://vocab.ices.dk/ and Survey Maps for more information |
| AphiaID | http://www.marinespecies.org/ |
| Species | Latin name |
| LngtClasMM | Millimetres |
| Age_0 | Number of fish |
| Age_1 | Number of fish |
| Age_2 | Number of fish |
| Age_3 | Number of fish |
| Age_4 | Number of fish |
| Age_5 | Number of fish |
| Age_6 | Number of fish |
| Age_7 | Number of fish |
| Age_8 | Number of fish |
| Age_9 | Number of fish |
| Age_10 | Number of fish |
| DateofCalculation | Last date the product was calculated in YYYYMMDD |

## Indices

(Product for standard species only)

| Field name | Units/codes description |
|---|---|
| Survey | http://vocab.ices.dk/?ref=102 |
| Year | Calendar year, yyyy |
| Quarter | http://vocab.ices.dk/?ref=12 |
| AphiaID | http://www.marinespecies.org/ |
| Species | Latin name |
| IndexArea | http://vocab.ices.dk/?ref=162 |
| Sex | http://vocab.ices.dk/?ref=17 |
| PlusGr | http://vocab.ices.dk/?ref=14 |
| Age_0 | Number per hour per area for standard gear |
| Age_1 | Number per hour per area for standard gear |
| Age_2 | Number per hour per area for standard gear |
| Age_3 | Number per hour per area for standard gear |
| Age_4 | Number per hour per area for standard gear |
| Age_5 | Number per hour per area for standard gear |
| Age_6 | Number per hour per area for standard gear |
| Age_7 | Number per hour per area for standard gear |
| Age_8 | Number per hour per area for standard gear |
| Age_9 | Number per hour per area for standard gear |
| Age_10 | Number per hour per area for standard gear |
| Age_11 | Number per hour per area for standard gear |
| Age_12 | Number per hour per area for standard gear |
| Age_13 | Number per hour per area for standard gear |
| Age_14 | Number per hour per area for standard gear |
| Age_15 | Number per hour per area for standard gear |
| DateofCalculation | Last date the product was calculated in YYYYMMDD |

## Bootstrap data
(Product for standard species only – NS-IBTS)

| Field name | Units/codes description |
|---|---|
| Survey | http://vocab.ices.dk/?ref=102 |
| Year | Calendar year, yyyy |
| Quarter | http://vocab.ices.dk/?ref=12 |
| AphiaID | http://www.marinespecies.org/ |
| Species | Latin name |
| IndexArea | http://vocab.ices.dk/?ref=162 |
| Sex | http://vocab.ices.dk/?ref=17 |
| PlusGr | http://vocab.ices.dk/?ref=14 |
| Age_0 | Bootstrap number |
| Age_1 | Bootstrap number |
| Age_2 | Bootstrap number |
| Age_3 | Bootstrap number |
| Age_4 | Bootstrap number |
| Age_5 | Bootstrap number |
| Age_6 | Bootstrap number |
| Age_7 | Bootstrap number |
| Age_8 | Bootstrap number |
| Age_9 | Bootstrap number |
| Age_10 | Bootstrap number |
| Age_11 | Bootstrap number |
| Age_12 | Bootstrap number |
| Age_13 | Bootstrap number |
| Age_14 | Bootstrap number |
| Age_15 | Bootstrap number |
| Bootnumber | Bootstrap |
| DateofCalculation | Last date the product was calculated in YYYYMMDD |

## Range divide by median bootstrap

(Product for standard species only – NS-IBTS)

| Field name | Units/codes description |
| --- | --- |
| Survey | http://vocab.ices.dk/?ref=102 |
| Year | Calendar year, yyyy |
| Quarter | http://vocab.ices.dk/?ref=12 |
| AphiaID | http://www.marinespecies.org/ |
| Species | Latin name |
| IndexArea | http://vocab.ices.dk/?ref=162 |
| Sex | http://vocab.ices.dk/?ref=17 |
| PlusGr | http://vocab.ices.dk/?ref=14 |
| Age_0 | Bootstrap number |
| Age_1 | Bootstrap number |
| Age_2 | Bootstrap number |
| Age_3 | Bootstrap number |
| Age_4 | Bootstrap number |
| Age_5 | Bootstrap number |
| Age_6 | Bootstrap number |
| Age_7 | Bootstrap number |
| Age_8 | Bootstrap number |
| Age_9 | Bootstrap number |
| Age_10 | Bootstrap number |
| Age_11 | Bootstrap number |
| Age_12 | Bootstrap number |
| Age_13 | Bootstrap number |
| Age_14 | Bootstrap number |
| Age_15 | Bootstrap number |
| DateofCalculation | Last date the product was calculated in YYYYMMDD |

# ICES DATRAS Units in DATRAS Products

| Version Number | Release Date | Note |
|---|---|---|
| 1.1 | 12-05-2011 | Initial version, reviewed by ICES Data Centre |
| 1.2 | 22-02-2013 | Links edited according to changes on www.ices.dk |
| 1.3 | 31-08-2014 | Updated information |
| 1.4 | 16-09-2014 | Added part on litter codes and units |