Northwest Atlantic    Fisheries Organization

## Formats for the Electronic Transmission of NAFO Hails
## from Contracting Parties to the NAFO Secretariat

Amendment of the NAFO Conservation and Enforcement Measures, FC Doc. 97/1; Part III, Annex 1, Example 1, to add:

NOTES

a)    The formats herein conform with the requirements for the NAFO Hails System as set out in FC Document 97/1 Part III Annex I Hail System Message Format.

b)    The formats consist of variable length delimited records, and are based on systems currently in use in the EU, Iceland and Norway.

c)    The variable length record is preferred over a fixed length record as some Contracting Parties collect more information from their vessels than is required by NAFO, and are forwarding the entire record to NAFO. The format is conducive to extraction of the required data fields by the receiving parties.

d)    The following convention is used in this paper: //FIELD NAME/field value//, where the field name is shown in uppercase, followed by the character "/", followed by the field value in lowercase. Fields are separated by "//".

e)    Each record begins with the string //SR// to indicate the Start of the Record.

f)    Each record ends with the string //ER// to indicate the End of the Record.

g)    Character fields (CHAR) shall conform with the ISO 8859.1 character set standard.

h)    Country codes used for addressee (AD) and sender (FR) shall conform with the ISO 3166 (1993) standard. E/F 7.3 states that user-assigned country codes shall start with the character "X", therefore it is proposed that the code XNS be used to designate the NAFO Secretariat, the addressee for hail messages.

2

NAFO HAILS SYSTEM - NAFO FC Document 97/1 Part III Annex I Hail System Message Format


1.1     ENTRY HAIL


| | | |
|---|---|---|
| //SR | | Start Record |
| //FR/from | (ISO-3) | |
| //AD/addressee | XNS | |
| //SQ/sequence number | NUM(4) | |
| //NA/name of vessel | CHAR(40) | |
| //RC/call sign | CHAR(8) | |
| //XR/external identification letters and numbers | CHAR(14) | |
| //DA/date | CHAR(8) | YYYYMMDD |
| //TI/time | NUM(4) | HHMM        UTC |
| //LA/latitude | CHAR(5) | NDDMM |
| //LO/longitude | CHAR(6) | WDDDMM |
| //TM/indication of the message code | CHAR(3) | ENT |
| //DI/NAFO Division into which the vessel is about to enter. | CHAR(2) | |

//HO/total round weight of fish by species (3 alpha codes) on board in kilograms rounded to the nearest 100 kilograms. Allow several pairs of fields, consisting of species + weight, with each field separated by a space. e.g. //HO/species weight species weight species weight//

| | | | |
|---|---|---|---|
| | SPECIES | CHAR(3) | FAO Codes |
| | WEIGHT | NUM(7) | |
| //MA/name of the Master | | CHAR(30) | |
| //DS/directed species (target species) | | CHAR(3) | FAO Codes |

Allow several species to be entered, with the values separated by spaces,
e.g.  //DS/species species species//

| | | |
|---|---|---|
| //ER// | - | End Record |

NAFO HAILS SYSTEM  - NAFO FC Document 97/1 Part III Annex I Hail System Message Format

1.2     MOVE HAIL

NOTE that FC Document 96/1 Part III states that vessels equipped with devices which enable the
automatic transmission of their positions are exempt from the Hail requirements set out in Part III.

| | | | |
|---|---|---|---|
| //SR | - | Start Record | |
| //FR/from | (ISO-3) | | |
| //AD/addressee | XNS | | |
| //SQ/sequence number | NUM(4) | | |
| //NA/name of vessel | CHAR(40) | | |
| //RC/call sign | CHAR(8) | | |
| //XR/external identification letters and numbers | CHAR(14) | | |
| //DA/date | CHAR(8) | YYYYMMDD | |
| //TI/time | NUM(4) | HHMM | UTC |
| //LA/latitude | CHAR(5) | NDDMM | |
| //LO/longitude | CHAR(6) | WDDDMM | |
| //TM/indication of the message code | CHAR(3) | MOV | |
| //DI/NAFO Division into which the vessel is about to enter. | CHAR(2) | | |
| //MA/name of the Master | CHAR(30) | | |
| //DS/directed species (target species) | CHAR(3) | FAO Codes | |

Allow several fields to be entered, with the fields separated by spaces,
e.g.  //DS/species species species//

| | | |
|---|---|---|
| //ER// | - | End Record |

4

NAFO HAILS SYSTEM  - NAFO FC Document 97/1 Part III Annex I Hail System Message Format


1.3      TRANSZONAL HAIL  (between NAFO Divisions )


NOTE that FC Document 96/1 Part III states that vessels equipped with devices which enable the automatic transmission of their positions are exempt from the Hail requirements set out in Part III.


| | | |
|---|---|---|
| //SR | - | Start Record |
| //FR/from | (ISO-3) | |
| //AD/addressee | XNS | |
| //SQ/sequence number | NUM(4) | |
| //NA/name of vessel | CHAR(40) | |
| //RC/call sign | CHAR(8) | |
| //XR/external identification letters and numbers | CHAR(14) | |
| //DA/date | CHAR(8) | YYYYMMDD |
| //TI/time | NUM(4) | HHMM        UTC |
| //LA/latitude | CHAR(5) | NDDMM |
| //LO/longitude | CHAR(6) | WDDDMM |
| //TM/indication of the message code | CHAR(3) | ZON |
| //MA/name of the Master | CHAR(30) | |
| //DS/directed species (target species) | CHAR(3) | FAO Codes |

Allow several fields to be entered, with the fields separated by spaces,
e.g.  //DS/species species species//


| | | |
|---|---|---|
| //ER// | - | End Record |

## 1.4    EXIT HAIL

| Field | Type | Format | Description |
|---|---|---|---|
| //SR | - | | Start Record |
| //FR/from | (ISO-3) | | |
| //AD/addressee | XNS | | |
| //SQ/sequence number | NUM(4) | | |
| //NA/name of vessel | CHAR(40) | | |
| //RC/call sign | CHAR(8) | | |
| //XR/external identification letters and numbers | CHAR(14) | | |
| //DA/date | CHAR(8) | YYYYMMDD | |
| //TI/time | NUM(4) | HHMM | UTC |
| //LA/latitude | CHAR(5) | NDDMM | |
| //LO/longitude | CHAR(6) | WDDDMM | |
| //TM/indication of the message code | CHAR(3) | EXI | |

//DI/NAFO Division from which the vessel is about to leave.  CHAR(2)

//CA/catch in round weight taken in the Regulatory Area  by species (3 alpha codes)  in kilograms (rounded to the nearest 100 kilograms). Allow several pairs of fields, consisting of  species + weight,  with each field separated by a space. e.g. //CA/species weight species weight species weight//

| | | |
|---|---|---|
| SPECIES | CHAR(3) | FAO Codes |
| WEIGHT | NUM(7) | |

//MA/name of the Master                CHAR(30)

//ER//                -                End Record

NAFO HAILS SYSTEM  - NAFO FC Document 97/1 Part III Annex I Hail System Message Format

## 1.5     TRANSHIPMENT  HAIL

| | | |
|---|---|---|
| //SR | - | Start Record |
| //FR/from | (ISO-3) | |
| //AD/addressee | XNS | |
| //SQ/sequence number | NUM(4) | |
| //NA/name of vessel | CHAR(40) | |
| //RC/call sign | CHAR(8) | |
| //XR/external identification letters and numbers | CHAR(14) | |
| //DA/date | CHAR(8) | YYYYMMDD |
| //TI/time | NUM(4) | HHMM        UTC |
| //LA/latitude | CHAR(5) | NDDMM |
| //LO/longitude | CHAR(6) | WDDDMM |
| //TM/indication of the message code | CHAR(3) | TRA |

//KG/total round weight by species (3 alpha codes)  to be transshipped in kilograms (rounded to the nearest 100 kilograms) Allow several pairs of fields, consisting of  species + weight,  with each field separated by a space. e.g. //KG/species weight species weight species weight//

| | | | |
|---|---|---|---|
| | SPECIES | CHAR(3) | FAO Codes |
| | WEIGHT | NUM(7) | |
| //MA/name of the Master | | CHAR(30) | |
| //ER// | | - | End Record |