

Northwest Atlantic



Fisheries Organization

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Example 1

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

EXPLANATORY NOTES

- a) The formats herein conform with the requirements for the NAFO Hails System as set out in FC Document 00/1, the NAFO Conservation and Enforcement Measures Part III and 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 NEAFC.
- 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 XNW be used to designate the NAFO Secretariat, the addressee for hail messages.

Example 1
(continued)

NAFO HAILS SYSTEM - Part III Annex I Hail System Message Format

1.1 ENTRY HAIL

//SR

//FR/Name of transmitting party

//AD/Destination “XNW” for NAFO

//SQ/sequence number

//NA/name of vessel

//RC/International radio call sign

//XR/external identification letters and numbers

//DA/date of transmission

//TI/time of transmission

//LA/latitude at time of transmission

//LO/longitude at time of transmission

//TM/indication of type of message “ENT”

//DI/NAFO Division into which the vessel is about to enter.

//OB/total round weight of fish by species (3 alpha codes) on board upon entry into the Regulatory Area, 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. //OB/species weight species weight species weight//

//MA/name of the Master

//TS/target species

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

//ER//

NAFO HAILS SYSTEM - Part III Annex I Hail System Message Format

1.2 MOVE HAIL

//SR

//FR/Name of transmitting party//AD/Destination "XNW" for NAFO

//SQ/sequence number

//NA/name of vessel

//RC/International radio call sign

//XR/external identification letters and numbers

//DA/date of transmission//TI/time of transmission//LA/latitude at time of transmission//LO/longitude at time of transmission//TM/indication of type of message "MOV"

//DI/NAFO Division into which the vessel is about to enter.

//MA/name of the Master

//TS/target species

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

//ER//

Example 1
(continued)

NAFO HAILS SYSTEM - Part III Annex I Hail System Message Format

1.3 TRANSZONAL HAIL (between NAFO Divisions)

//SR

//FR/Name of transmitting party

//AD/Destination “XNW” for NAFO

//SQ/sequence number

//NA/name of vessel

//RC/International radio call sign

//XR/external identification letters and numbers

//DA/date of transmission

//TI/time of transmission

//LA/latitude at time of transmission

//LO/longitude at time of transmission

//TM/indication of type of message “ZON”

//MA/name of the Master

//TS/target species

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

//ER//

NAFO HAILS SYSTEM - Part III Annex I Hail System Message Format

1.4 EXIT HAIL

//SR

//FR/Name of transmitting party//AD/Destination “XNW” for NAFO

//SQ/sequence number

//NA/name of vessel

//RC/International radio call sign

//XR/external identification letters and numbers

//DA/date of transmission//TI/time of transmission//LA/latitude at time of transmission//LO/longitude at time of transmission//TM/indication of type of message “EXI”

//DI/NAFO Division into which the vessel is about to enter.

//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//

//MA/name of the Master

//ER//

Example 1
(continued)

NAFO HAILS SYSTEM - Part III Annex I Hail System Message Format

1.5 TRANSHIPMENT HAIL

//SR

//FR/Name of transmitting party

//AD/Destination “XNW” for NAFO

//SQ/sequence number

//NA/name of vessel

//RC/International radio call sign

//XR/external identification letters and numbers

//DA/date of transmission

//TI/time of transmission

//LA/latitude at time of transmission

//LO/longitude at time of transmission

//TM/indication of type of message “TRA”

//KG/total round weight by species (3 alpha codes) to be transhipped 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//

//MA/name of the Master

//ER//

Definition of data elements

Data Element	Field Code	Type	Mandatory/Optional	Definition/Remarks
Start of Record	SR		M	<u>Indicates start of the record</u>
From	FR	<u>Char*3</u>	M	<u>ISO-3166 Address. Address of the party receiving the message. "XNW" for NAFO</u>
Addressee	AD	<u>Char*4</u>	M	<u>ISO-3166 Address. Address of the transmitting Contracting Party</u>
Sequence Number	SQ	<u>Num*6</u>	O	<u>Message serial number</u>
Name	NA	<u>Char*30</u>	M	<u>ISO 8859.1. Name of vessel</u>
International radio call sign	RC	<u>Char*7</u>	M	<u>IRCS Code. International Radio Call sign of the vessel</u>
External identification	XR	<u>Char*14</u>	M	<u>ISO 8859.1. Side number of the vessel</u>
Date	DA	<u>Num*8</u>	M	<u>YYYYMMDD, Year, month and day</u>
Time	TI	<u>Num*4</u>	M	<u>HHMM, Hours and minutes in UTC</u>
Latitude	LA	<u>Char*5</u>	M	<u>S/NDDMM (WGS -84) e.g. //LA/N4600 = 46°00' North</u>
Longitude	LO	<u>Char*6</u>	M	<u>E/WDDMM (WGS -84) e.g. //LO/W04631 = 46°31' West</u>
Type of Message	TM	<u>Char*3</u>	M	<u>Indication of type of message ENT/MOV/ZON/TRA/EXI</u>
NAFO Division	DI	<u>Char*2</u>	M	<u>NAFO Division</u>
Name of Master	MA	<u>Char*30</u>	M	<u>Name of the master of the fishing vessel</u>
Quantity	OB	<u>Char*3</u> <u>Num*7</u>	M	<u>FAO Code. Total round weight of fish by species (3 alpha codes) on board upon entry into the Regulatory Area, in kilograms rounded to the nearest 100 kilograms. Allow several pairs of fields, consisting of species + weight, with each field separated by a space.</u>
Catch	CA	<u>Char*3</u> <u>Num*7</u>	M	<u>FAO Code. Total 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.</u>
Transhipped	KG	<u>Char*3</u> <u>Num*7</u>	M	<u>FAO Code. Total round weight by species (3 alpha codes) to be transhipped in kilograms (rounded to the nearest 100 kilograms). Allow several pairs of fields, consisting of species + weight, with each field separated by a space</u>
Target Species	TS	<u>Char*3</u>	M	<u>FAO Code; allowance for multiple main species</u>
End Record	ER		M	<u>End of record</u>