# BNSREP®
User's Manual for Sea-going Ships and Yachts

## I. OUTLINES

### (1) Name
Byzantine National Ship Reporting System (short name: BNSREP)

### (2) Purpose
The BNSREP System provides up-to-date information on the movements of vessels in order, in the event of a distress incident:

① to reduce the interval between the loss of contact with a vessel and the initiation of search and rescue operations in cases where no distress signal has been received;
② to permit rapid determination may be called upon to provide of vessels which assistance;
③ to permit delineation of a search area of limited size in case the position of a vessel in distress is unknown or uncertain: and
④ to facilitate the provision of urgent medical assistance or advice to vessels not carrying a doctor.

### (3) Service area
The initial approximate service area covered by the BNSREP System is the Cyprus maritime SAR region (Cyprus Search and Rescue Region - SRR). SRR is identical to the corresponding air navigation region, which, on the basis of the regional Air Navigation Plan of ICAO (European Region, Doc 7754), was determined in such a manner that it would coincide with the boundaries of Nicosia FIR. The Cyprus SRR map is set out below as Picture "A".
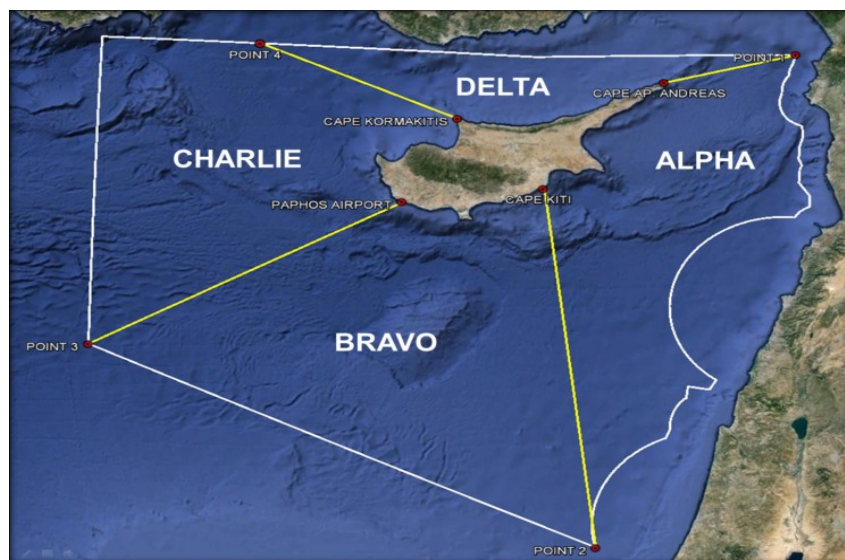


Picture "A"

**(4) Participating ships**

Any Sea-going ship or yacht (hereinafter called "ship") regardless of tonnage, flag or type is welcome in the BNSREP System as far as she is within the service area of the system. Participation is voluntary.

**(5) Types of reports and timing**

There are four types of BNSREP Reports: Sailing Plan ("**SP**"), Position Report ("**PR**"), Deviation Report ("**DR**") and Final Report ("**FR**").

①**Sailing Plan ("SP")**

Sailing Plan is the basic information to estimate ship's position, and it should be sent at the time when a ship participates in this system. Reports should therefore be made when the ship departs from a port within the service area or when the ship enters the area.

Note:

When Sailing Plan is sent after departure from a port or after entering the service area, such reporting should be made as soon as practicable. When Sailing Plan is to be sent before departure from a port, such a report may be sent in a written document.

②**Position Report ("PR")** (Optional)

Position Report is the information to verify if ship's position input according to the Sailing Plan is correct. The 1st report should therefore be sent at an optional time within 24 hours of departure from a port or entering the service area, and then the reports should be sent subsequently no less frequently than every 24 hours until Final Report.

Note 1:

In case where delayed reporting is anticipated due to change of radio operator's duty hours or else, reports should be sent earlier than the scheduled time of reporting as far as practicable.

Note 2:

Reports should be sent more frequently than the above schedule, when the ship is in heavy weather or under other adverse conditions.

Note 3:

In the BNSREP service area, coordination with Track&Message reporting service ("TMRS") is automatically made so PR can be omitted for the ships with TMRS unless the Master of the ships intends to inform BNLI about the ship position at less than 15 minutes interval.

③**Deviation Report ("DR")**

Deviation Report is the information to be used for necessary correction of pre-reported Sailing Plan when a ship deviates from the intended course due to change in Sailing Plan. Reports should be sent whenever the Ship's position deviates 10 miles or more from the original track, or the port of destination is changed, or other changes occur with resultant change in Sailing Plan.

④**Final Report ("FR")**

Final Report is the information to terminate participation in the system. Accordingly, reports should be sent prior to or on arrival at port, or when a ship departed from the service area of the system.

Note:

When Final Report is intended to be sent after departing from the service area, such a report should be sent as soon as practicable. If report is sent after arrival at port, such a report may be sent in a written

document.
For reporting procedures, see the "Reporting example."

**(6) Special reporting procedure to participate in both the BNSREP and  Track & Message reporting service ("TMRS").**
Any ship desiring to participate in both the BNSREP and TMRS should enter BNSREP on the system name line and TMRS on the Y line when the ship sends report to one of the coastal stations designated by BNLI. The participation in TMRS requires tracking&messaging device which is provided by BNLI (charges apply). The participation procedure in TMRS is detailed in annex ③.

**(7) Special reporting procedure to link with BNSREP and TMRS.**
Any ship which sends position via TMRS system to BNLI  can omit Position Report of BNSREP.
If you enter TMRS on the X line of Sailing Plan, BNLI automatically gets your position information from TMRS.

**(8) How to participate**
Participation in this system initiates when a ship sends her Sailing Plan and terminates when the ship sends her Final Report to BNLI.
Note:
If any non-participating ship on departure from a port or on entering the BNSREP service area has a desire of participation halfway, it is possible to join the BNSREP System by sending her Sailing Plan whenever decision is made. If, on the contrary, any ship desires to terminate her participation in the system, it is possible to terminate the participation simply by sending Final Report at any time.

If no Position Report or Final Report is received from a participant in no less than 27 hours subsequent to the previous report, BNLI will verify the safety and whereabouts of the ship through TMRS system, radiotelegraphic calls and inquiries addressed to the relevant coastal stations, ship owners, agents and ships proceeding in the vicinity. Depending on circumstances, search and rescue operations will be initiated and hence Position Reports and Final Reports must be sent without fail.

## II. REPORTING PROCEDURE

**(1) Reporting instructions**
As far as practicable, report should be sent by TMRS system to the coastal station designated by BNLI using dedicated GSM number or dedicated e-mail or dedicated tracker number as listed in annex hereto (Annex ①) In an unavoidable case, report may be received by any of those coastal stations listed in (Annex ②).

BNSREP reports may be sent by other means of communication such as DSC VHF radios, e-mail, phone or facsimile messages addressed to BNLI (including cases where reporting is made via ship owners, agencies, etc. ). For the details see Annex ①.
Note
The expenses incurred by communication are to be borne by the participants concerned.

**(2) Reporting format**
See attached formats.

1) <mark>**Sailing plan (SP)**</mark>

| (Required data items) | |
|---|---|
| System name/Type of report//<br>BNSREP/SP// | Note (1) |
| A/Ship name/Ship Identification (Reg. № or Call sign or MMSI)//<br>A/           /                 // | |
| B/Time of departure//<br>B/          // | Note (2) |
| G/Port of departure/Latitude/Longitude//<br>G/          /          /          // | Note (3) |
| I/Port or destination/Latitude/Longitude/Estimated time of arrival//<br>I/          /          /          /                // | |
| Route information<br>L/Navigation method/Average speed/Latitude/Longitude/ETA/Name of landmark of arrival or sea area<br>L/          /          /          /          /          //<br>L/          /          /          /          /          //<br>L/          /          /          /          /          //<br>L/          /          /          /          /          // | Note (4) |
| V/Onboard medical resources //<br>V/                    // | Note (5) |
| Y/TMRS/Tracker ID//<br>Y/            // | Note (6) |
| (Optional data items) | |
| E/Current course//<br>E/            // | Note (7) |
| F/Estimated average speed //<br>F/                // | |
| M/Current BNLI station / Next BNLI station, if any//<br>M/                    /                    // | |
| X/Up to 65 characters of amplifying comments//<br>X/                    // | Note (8) |

(Notes)
(1) <mark>System name</mark>
Enter BNSREP on the system name line. Also enter SP on the type of report line.

(2) <mark>Date/time</mark>
All times must be expressed as a six-digit group giving date of month (first two digits), hours and minutes (last four digits) Only Universal Coordinated Time (i. e. Greenwich Mean Time) is to be used.

The six-digit date-time-group is to be followed by Z.
Example: 201200Z for 1200 hours on the 20th (GMT)

(3) Latitude and longitude
Latitude is a four-digit group expressed in degrees and minutes and suffixed with "N" for north or "S" for south.
Longitude is a five-digit group expressed in degrees and minutes, and suffixed with "E" for east or "W" for west.
Example: 3437 N for lat. 34'37'N, and 03307 E for long. 033'07'E

(4) Route information
Express route information between the turn points along the intended route in accordance with the following explanations:
And L lines are needed at least three points, twelve points at maximum. When a ship enters the service area, express latitude and longitude of the point of entrance and the date on the first line without fail.
(Navigation method)
Use GC for great circle and RL for rhumb line.
(Average speed)
Express estimated average speed up to the intended turn point in three-digit group in knots and tenths of knots.
Example: 150 for a speed of 15.0 knots
(Latitude, longitude and estimated time of arrival)
Express latitude, longitude and estimated time of arrival by referring to examples shown in (2) and (3) above.
(Name of landmark or sea area)
Give well-known names of landmark or sea area. Although reporting of these names is not essential, it is requested to provide as far as practicable.

(5) Onboard medical resources
Select as appropriate from the following:
MD (Physician)
PA (Physician's assistant or health supervisor)
NURSE
NONE

(6) TMRS
In case where a dual participation in the BNSREP and TMRS systems is desired, enter "TMRS" on this line and tracker ID. Tracker is to be supplied by BNLI on a prior arrangement.
If no participation in the TMRS System is desired, no entry on this line is required.

(7) Optional data items
These optional data items are useful, but are not necessarily required to report. When report is made, express current course on the line E in three-digit group, and estimated average speed for the entire passage on the F line in three-digit group in knots and tenths of knots.
Example: E234/ /for a course of. 234'

F/153/ /for a speed of 15.3 knots

(8) <mark>Line X (Reference data item)</mark>
Although these are optional, it is requested to provide estimated time of next reporting, number of passengers and crew, type of cargo, phone No. of INMARSAT, MMSI etc.
If you desire to be omitted Position Report (PR) by linking with TMRS, enter "OBS" on this line.
Example: X/OBS/251500Z/LNG/SAT 1234567 / / / for the request of OBS, the estimated time of next reporting at 1500 hours on the 25th, type of cargo LNG and INMARSAT phone No. 1234567

## 2) Position Report (PR)

| (Required data items) | |
|---|---|
| System name/Type of report//<br>BNSREP/PR// | Note (1) |
| A/Ship name/Ship Identification (Reg. № or Call sign or MMSI)//<br>A/            /                  // | |
| B/Date/time at specific position//<br>B/          // | Note (2) |
| C/Latitude/Longitude//<br>C/          /            // | Note (3) |
| I/Port or destination/Latitude/Longitude/Estimated time of arrival//<br>I/          /          /          /                // | |
| Y/TMRS/Tracker ID/<br>Y/        // | Note (4) |
| E/Current course//<br>E/                       // | Note (5) |
| (Optional data items) | |
| F/Intended average speed//<br>F/              // | |
| M/Current BNLI station / Next BNLI station, if any//<br>M/                       /                        // | |
| X/Up to 65 characters of amplifying comments//<br>X/                           // | Note (6) |

(Notes)
(1) <mark>System name</mark>
Enter BNSREP on the system name line. Also enter PR on the type of report line.

(2) <mark>Date/time</mark>
All times must be expressed as a six-digit group giving date of month (first two digits), hours and minutes (last four digits) Only Universal Coordinated Time (i. e. Greenwich Mean Time) is to be used. The six-digit date-time-group is to be followed by Z.

Example: 201200Z for 1200 hours on the 20th (GMT)

**(3) Latitude and longitude**
Latitude is a four-digit group expressed in degrees and minutes and suffixed with "N" for north or "S" for south.
Longitude is a five-digit group expressed in degrees and minutes, and suffixed with "E" for east or "W" for west.
Example: 3437 N for lat. 34'37'N, and 03307 E for long. 033'07'E

**(4) TMRS**
In case of a ship with dual participation in the BNSREP and TMRS systems, enter "TMRS" on this line and tracker ID. Tracker is to be supplied by BNLI on a prior arrangement.
If not, no entry on this line is required.

**(5) Current course**
Express current course on the line E in three-digit group.
Example: E234/ /for a course of. 234'

**(6) Line X (Reference data item)**
Although these are optional, it is requested to provide estimated time of next reporting, number of passengers and crew, type of cargo, phone No. of INMARSAT, MMSI etc.

## 3) Deviation Report (DR)

| (Required data items) | |
|---|---|
| System name/Type of report//<br>BNSREP/DR// | Note (1) |
| A/Ship name/Ship Identification (Reg. № or Call sign or MMSI)//<br>A/            /                    // | |
| Y/TMRS/Tracker ID/<br>Y/        // | Note (2) |
| **(One or more from the following optional data items)** | **Note (3)** |
| B/Date/time at specific position//<br>B/            // | |
| E/Current course//<br>E/                          // | |
| F/Intended average speed//<br>F/              // | |
| G/Port of departure/Latitude/Longitude//<br>G/            /            /            // | |
| I/Port or destination/Latitude/Longitude/Estimated time of arrival//<br>I/            /            /            /                // | |
| Route information<br>L/Navigation method/Average speed/Latitude/Longitude/ETA/Name of landmark of arrival or sea area<br>L/            /            /            /            /            /            //<br>L/            /            /            /            /            /            //<br>L/            /            /            /            /            /            //<br>L/            /            /            /            /            /            // | |
| M/Current BNLI station / Next BNLI station, if any//<br>M/                          /                          // | |
| V/Onboard medical resources //<br>V/                        // | |
| X/Up to 65 characters of amplifying comments//<br>X/                              // | Note (4) |

(Notes)
(1) System name
Enter BNSREP on the system name line. Also enter DR on the type of report line.

(2) TMRS
In case of a ship with dual participation in the BNSREP and TMRS systems, enter "TMRS" on this line and tracker ID. Tracker is to be supplied by BNLI on a prior arrangement.
If not, no entry on this line is required.

(3) Deviation items

Specify changes of sailing plan and others.

Example: I/PIREAS/3755 N/02238 E/, 201200Z// for a case where the port of destination is changed from Beirut to Pireas.

(4) OBS

In case of a ship with OBS system (linking with TMRS system) , express 'OBS' on this line.

Example: X/OBS//

## 4) Final Report

| (Required data items) | |
|---|---|
| System name/Type of report//<br>BNSREP/FR// | Note (1) |
| A/Ship name/Ship Identification (Reg. № or Call sign or MMSI)//<br>A/　　　　　/　　　　　　// | |
| K/Port of arrival/Latitude/Longitude/Time of arrival//<br>K/　　　　/　　　　　/　　　　　/　　　　// | Note (2)<br>(3) |
| Y/TMRS/Tracker ID/<br>Y/　　　// | Note (4) |
| (Optional data items) | |
| X/Up to 65 characters of amplifying comments//<br>X/　　　　　　　// | Note (5) |

(Notes)

(1) System name

Enter BNSREP on the system name line. Also enter FR on the type of report line.

(2) Date/time

All times must be expressed as a six-digit group giving date of month (first two digits), hours and minutes (last four digits) Only Universal Coordinated Time (i. e. Greenwich Mean Time) is to be used. The six-digit date-time-group is to be followed by Z.

Example: 201200Z for 1200 hours on the 20th (GMT)

(3) Latitude and longitude

Latitude is a four-digit group expressed in degrees and minutes and suffixed with "N" for north or "S" for south.

Longitude is a five-digit group expressed in degrees and minutes, and suffixed with "E" for east or "W" for west.

Example: 3437 N for lat. 34'37'N, and 03307 E for long. 033'07'E

(4) TMRS

In case of a ship with dual participation in the BNSREP and TMRS systems, express "TMRS" on this

line and tracker ID. Tracker is to be supplied by BNLI on a prior arrangement.
However, in case of departing from the service area of the BNSREP System and continued participation in the TMRS System is desired, no entry on this line is required.

(5) OBS
In case of a ship with OBS system (linking with TMRS system), express 'OBS' on this line.
Example: X/OBS//

## III. REPORTING EXAMPLE

This is a case of the motor boat "SEA GRACE II", a sea-going motor ship (call sign 9HB2117) equipped with the TMRS tracker with ID # 23395 that departed from the port of Limassol at 0900 hours on the 21st (GMT) reached a point (34"17'N, 034"14'E) within the service area of BNSREP at 1400 hours on the 21st (GMT) and will enter the port of Beirut with an estimated time of arrival at 2000 hours on the 21st (GMT) (33"55'N, 035"32'E).

```
Sailing Plan

   BNSREP/SP//
A/SEAGRACEII/9HB2117//
B/210900Z//
G/LIMASSOL/3914N/03301E//
I/BEIRUT/3355N/03532E//
L/GC/100/3417N/03414E/211400Z//
V/NONE//
Y/TMRS/23395//
```

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Final Report

BNSREP/FR//
A/SEAGRACEII/9HB2117//
K/BEIRUT/3355N/03532E/212000Z//
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