

CHAPTER X

THE SUEZ CANAL VESSEL TRAFFIC MANAGEMENT SYSTEM (SCVTMS)

Art.88 - System Operation :

A. - Transit Request:

In order to assign a vessel in the system informatics a transit request must be received from the vessel owners/or agent at one of the port management offices. See Art. 12.

If the vessel is not currently in system informatics and database, the port management operator will create vessel particular and automatically assign a unique SC ID number.

B. - Vessel Arrivals :

- A vessel approaching the Canal at either end is requested to call the port management office using one of the frequencies listed in chapter IX Art. 86, See Art. 14..
- The vessel will be tracked automatically by the radar subsystem and displayed on the graphic display, then the port management operator will be able to info link it with the informatics on the arrival list.

C. - Vessel Reaching The Anchorage Area :

At both Port Said and Suez, anchorage areas are indicated on radar graphic displays.

Whenever a linked vessel reaches an anchorage area, the informatics will record the time the vessel crosses arrival line (limit time).

D. - Vessel Berth List :

The port management office will continue tracking the vessel till entering the assigned berth location and stops and vessel berth list is created in the informatics.

Each berth location is indicated on the port management graphic displays as well as Ismailia graphic displays.

The vessel berth list will refreshed periodically to reflect any going changes to the port operators.

E. - Creation of the Transit Pattern :

The main management center at Ismailia generate the optimal convoy pattern based on the vessel currently in the waiting areas or estimated to be in the waiting areas by the limit times.

The transit pattern determines each convoy's start time and maximum time width. The official convoy list only be comprised of vessels that have marked as eligible for transit (paid the transit fees, performance certificate ... etc.).

F. - Convoy Creation :

At Port Said and Port Taufiq, the harbour master arrange the vessels in the convoy patterns that were generated by the main management Center at Ismailia.

G. - Real Transit Pattern :

As the convoy progress along the Canal, the real-time transit pattern is displayed and plotted.

The real-time transit pattern screen will provide the capability of viewing real time information as X, Y positions, speed, km positions and off axis for each vessel as well as the meteorological data of all signal station includes the wind speed and direction, visibility, current speed and direction, and height of the tide.

H. - Vessel passes Check Points :

Check points are the inlets and outlets of by-passes, siding, each signal station, the Canal start and the Canal end.

The ordering of vessels within the convoy is re-checked at each check point. If the vessel has changed its order (position) within the convoy, this is automatically recorded in the transit history.

The informatic data base is updated to reflect the convoy and new convoy position displayed against the target.

I. - Information Displayed on the Signal Station Board :

As each vessel passes a signal station, the informatics will then update the signal station Boards to provide convoy progress the following information (Table 8) for a vessel as it passes the station.

Information of vessels (as vessel name, convoy position, SC ID number, call sign, speed, location and meteorological data) will be displayed to the signal station operators on signal station PCs.

J. - Vessels Leaves the Canal :

When vessels get out of range of radar the informatics will close the vessel transit and is saved as a closed transit for Historical reporting purpose.

STATEBOARD REPRESENTATION

Table No. 8 State of Southbound convoy :

<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <div style="border: 1px solid black; padding: 2px 5px; width: 20px; margin: 0 auto;">S</div> <div style="border: 1px solid black; padding: 2px 5px; width: 20px; margin: 0 auto;">N</div> <p>South / North</p> </div> <div style="text-align: center;"> <div style="border: 1px solid black; padding: 2px 5px; width: 20px; margin: 0 auto;">B</div> <p>Bound</p> </div> </div>	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 5px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 5px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 5px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 5px;"></div> </div> <p>Current time</p>
<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 5px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 5px;"></div> </div> <p>Vsp</p>	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 5px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 5px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 5px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 5px;"></div> </div> <p>Vsp</p>
<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 5px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 5px;"></div> </div> <p>Preceding vessel type</p>	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 5px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 5px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 5px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 5px;"></div> </div> <p>Transiting vessel time</p>
<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 5px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 5px;"></div> </div> <p>Transiting vessel type</p>	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 5px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 5px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 5px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 5px;"></div> </div> <p>Transiting vessel time</p>

The characteristic Letter used are :

VSP : Variable parameter (6 characters) which may be inserted manually on request by movement office or signaling station for meteorological Emergency and the navigational information alternatively. These 6 characters must be alphanumeric characters.

N.B : *The stateboard will be rotated to face the NB or SB convoy.*

Explanation data may not display

Explanation of stateboard display :

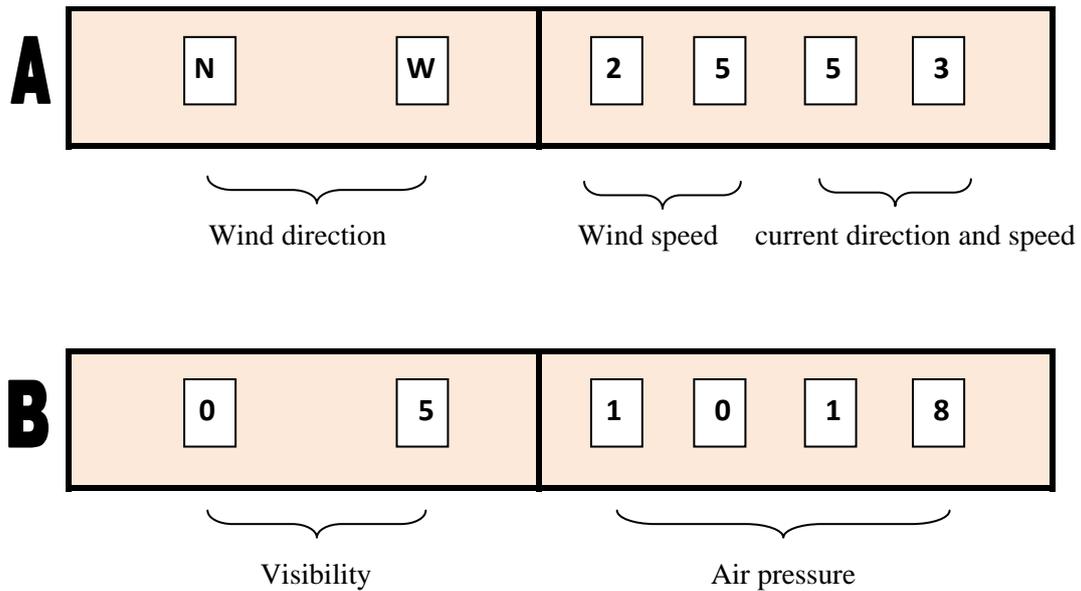
***1st line indicates the convoy direction and the current time.**

***2nd line (VSP) indicates the Meteorological Emergency and the navigational information alternatively.**

***3rd line indicates time of the preceding vessel.**

***4th line indicates time of the vessel in front of the signal station.**

Table No. 9 Meteorological Information :



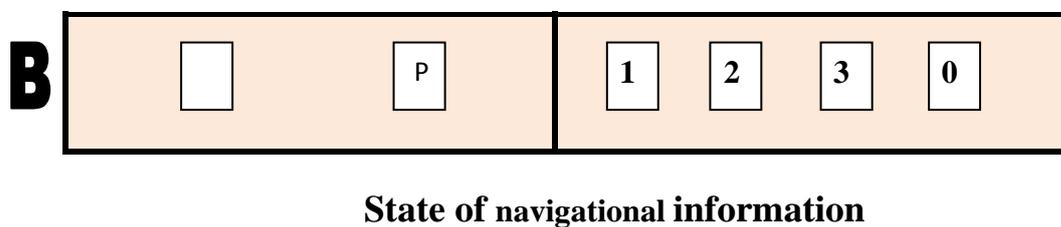
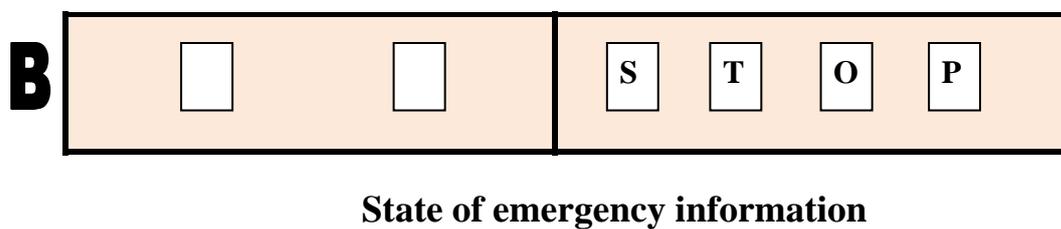
N.B.: The stateboard will be rotated to face the N.B or SB convoy.

* A and B will be displayed alternatively (One at a time) starting with A.

Table No. 10 Emergency Information :

In case of emergency the second alteration :

(B) of the (VSP) line will be replaces by the emergency or navigational information if either is needed to be displayed as the following examples :



(Previ time)

