

# **RADIO TRAFFIC HANDLING MADE EASY.**



# INFOSAG

*A mini-computer traffic handling and display system.*



**A** video terminal is the tool that displays the current traffic situation to the operator. A few keystrokes, and he will get more detailed information. This is traffic handling made easy!

Supporting the terminal is the INFOSAG traffic handling and display system. Based on a DEC PDP-11/03 mini-computer it manages and displays the current shore-to-ship traffic situation at a coast station.

## IN SECONDS.

Within seconds INFOSAG will provide the operators with the required information, be it particulars of messages or ships, traffic load and distribution etc. And it is always last minute information!

## TRAFFIC LISTS.

The traffic situation is the basis for the traffic list, which is used to an-

nounce to ships that they have traffic waiting at the coast station. Again, a few keystrokes, and INFOSAG will send a traffic list with call-signs arranged in numerical and alphabetical order. INFOSAG contains a software Morse Code generator and is capable of transmitting different information on a number of keying lines simultaneously.

## CQ-SLIPS.

Using the software Morse Code generator INFOSAG transmits a number of CQ-slips which key different transmitters to inform ship station operators on the current watch-keeping status at the coast station.

## ROLLING TRAFFIC LISTS.

With last-minute traffic list displays available in INFOSAG it is possible to transmit a rolling traffic list, interrupted by CQ-slips at regular intervals. Traffic lists are normally transmitted at relatively long intervals. This fact leads to congestion and perhaps longer transit times for messages. A continuously rolling traffic list will spread the load and cut the queues.

## NEWS SUMMARIES AND WEATHER FORECASTS.

The source of news summaries and weather forecasts is often a telex paper tape. This tape can be read into the INFOSAG computer, and INFOSAG will transmit it in Morse Code.

## UPDATING INFOSAG.

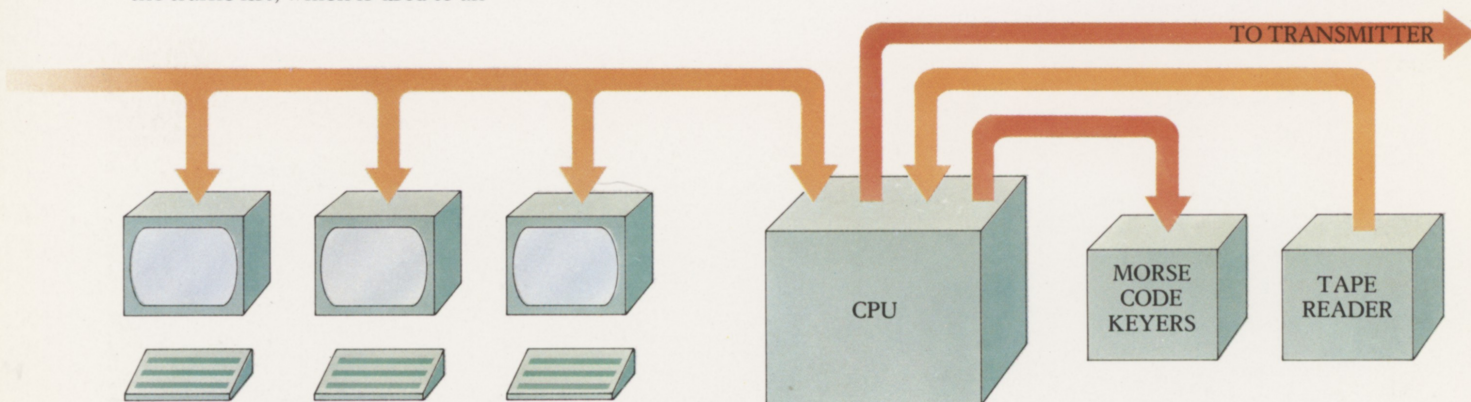
Updating of INFOSAG memory is performed whenever there is a change. The particulars of a message or a phone call is entered when the message arrives and when it is forwarded the record is deleted by the forwarding operator.

## INFOSAG FEATURES:

- Handles over 500 call-sign entries.
- Editing facilities.
- Lining up various information for transmission.
- Traffic list modifications during transmission.
- Transmission of traffic lists, CQ-slips, news, weather etc.
- Simultaneous operation of all peripherals including 16 transmitter keylines, 20 video terminals, line printer etc.
- Customer-specified command sets.
- Operator's notebook with updating facilities.

Used with its companion system STAMPE, INFOSAG becomes even more versatile. STAMPE is STA's manual operation control system for radio stations. INFOSAG derives information from STAMPE'S watch-keeping section and echoes the current watch-keeping status in its CQ-slips.

INFOSAG is developed by STA in close cooperation with the skilled operators at Goteborg radio — SAG. It has proved to be a versatile and powerful tool in an effort to streamline traffic handling and to cut handling costs.



*To the INFOSAG computer connect video terminals, line printer, tape reader and morse code keyers. Up to 20 terminals can be accommodated. Two or more coast stations may be connected, each with separate sets of lists etc.*

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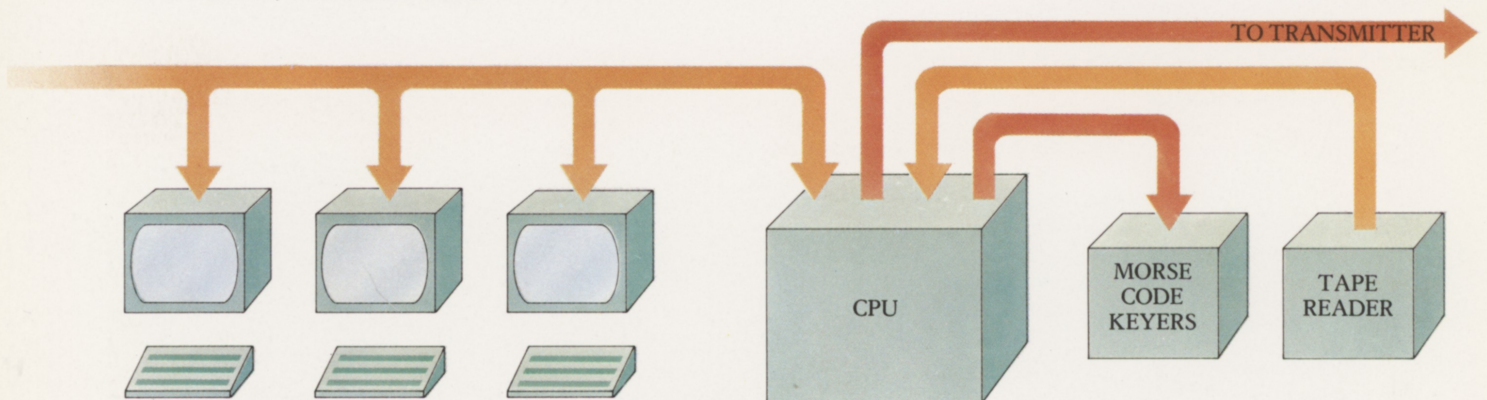
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TRAFFIC LIST 79-06-15 TIME 14:08

3ETY	C	13	0019	
3EYT	J	14	0298	/LINDBLAD EXPLORER/ 0454-66517 TO TORE BOERJESSON CREW
5MNP	C	13	0020	/WORLD RENOWN/ BOMAIR 08/7918266 MASTER
D5DU	C	13	0087	/MAMMOTH MONARK/ P.O SMITH CREW
DADY	C	15	0407	
DIDA	C	13	0023	
FNZE	C	15	0397	
J4PN	C	15	0408	
J4PN	V	15	0409	/CHEMAT HENE/ QTC SDJ
LDFX	J	15	0405	/HUTH/ TO MASTER
LZDU	J	14	0189	/GEORGI DIMITROV/ UDDEVALLA 031/170600 TO CAPTAIN
MWTU	C	13	0033	
MWTU	V	13	0034	/TROUNCER/
OIAN	J	14	0284	/FINN TRADER/ QTH: DENMARK
OIAN	V	14	0285	/FINN TRADER/ QTH: DENMARK

INFOSAG presents various types of list to the operators. The illustration above shows a general list with the following information:

- Call-sign.
- Type of traffic:  
C = telegram,  
J = HF telephony call,  
V = VHF call.
- Date.

- Internal serial number.
- Comments.

The comment field serves as a memorandum to operators.

A general traffic list holds information on all kinds of traffic. For specialized operators INFOSAG creates partial lists, where only HF calls or VHF calls are displayed. The illustrations below show a couple of

these types. A short-form overview list is included, showing call-signs and traffic types. This list gives the Controller an instant picture of the overall traffic load of the station.

When in contact with a ship, the operator needs only enter the call-sign of the ship to let INFOSAG display information on the traffic to that particular ship. This information may also include ship's position etc.

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5MNP	J	13	0020	/WORLD RENOWN/ BOMAIR
D5DU	J	13	0007	08/7918266 MASTER /MAMMOTH MONARK/ P. SMITH CREW
LDFX	J	15	0405	/HUTH/ TO MASTER
LZDU	J	14	0189	/GEORGI DIMITROV/ UDDEVALLA 031/170600 TO MASTER
OIAN	J	15	0413	/FINN TRADER QTH: DENMARK 15/6

HF telephony list.

TRAFFIC LIST 79-06-15 TIME 14:08

J4PN	V	15	0409	/CHEMAT HENE/ QTC SDJ
MWTU	V	13	0034	/TROUNCER/
OIAN	V	14	0266	COPENHAGEN - 721839 JENSEN CREW
SDFP	V	15	0418	/MARIA/ 031/280000 SVEINSSON CREW

VHF list.

TRAFFIC LIST 79-06-15 TIME 14:08

DSHW	C	SKMT	C	SHGT	C
DADY	C	TCRE	C	SHJA	C
DGWH	J	UMBW	C	SHMN	J
DIES	J	7SYL	V	SHOA	C
DIBA	C	SDFP	J	SIAN	J
DIBA	V	SDFP	V	SJCA	V
FRZE	C	SDHQ	J		
QTC	C	SDHQ	C		
J4PN	C	SDPK	V		
J4PN	V	SDNU	J		
LDFX	J	SEBY	V		
LBB	C	SFEM	J		
LZDU	J	SFKH	J		
LZDU	V	SFPN	C		
MWTU	C	SFPU	V		
MWTU	V	SFPA	V		
OIAN	J	SCKI	V		
OIAN	V	SCLM	C		
OKTU	V	SGLV	V		
SKEM	C	SGPI	V		

Short-form overview list.

I N F O S A G

B Y

S T A

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