WMO

Port Meteorological Officer's Workshop

IMO HQ 22 – 25 July 2003

United Kingdom Hydrographic Office

NAVTEX

Lt. Cdr. Chris Pink FNI

Secretary, IMO International NAVTEX
Co-ordinating Panel

United Kingdom Hydrographic Office

NAVTEX

An International Automated Direct-printing Service for the Promulgation of Navigational and Meteorological Warnings and Urgent Information to Ships

United Kingdom Hydrographic Office

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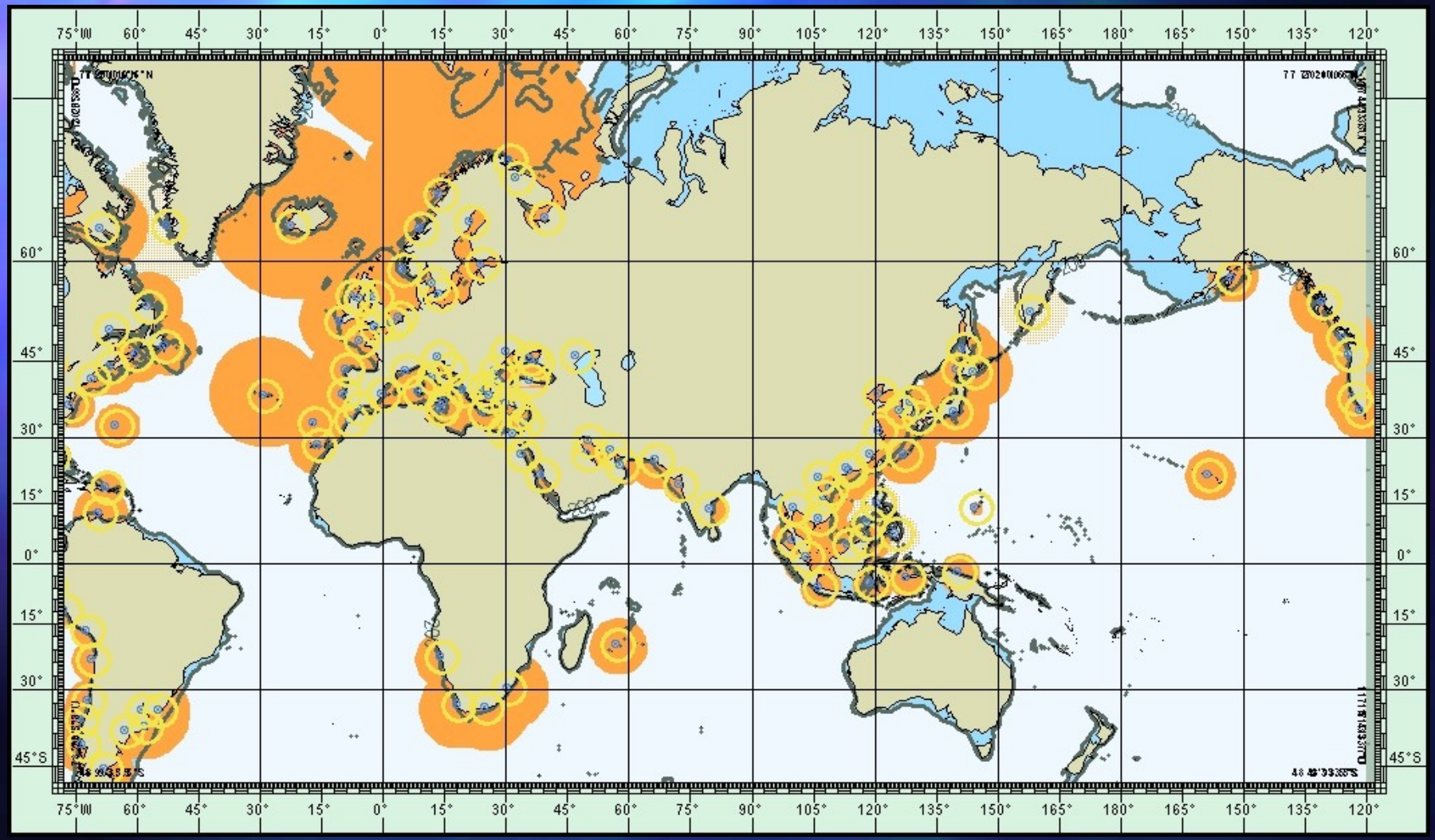
TYPES OF SERVICE

- International NAVTEX service
- National NAVTEX service

WorldWide NAVTEX Cover



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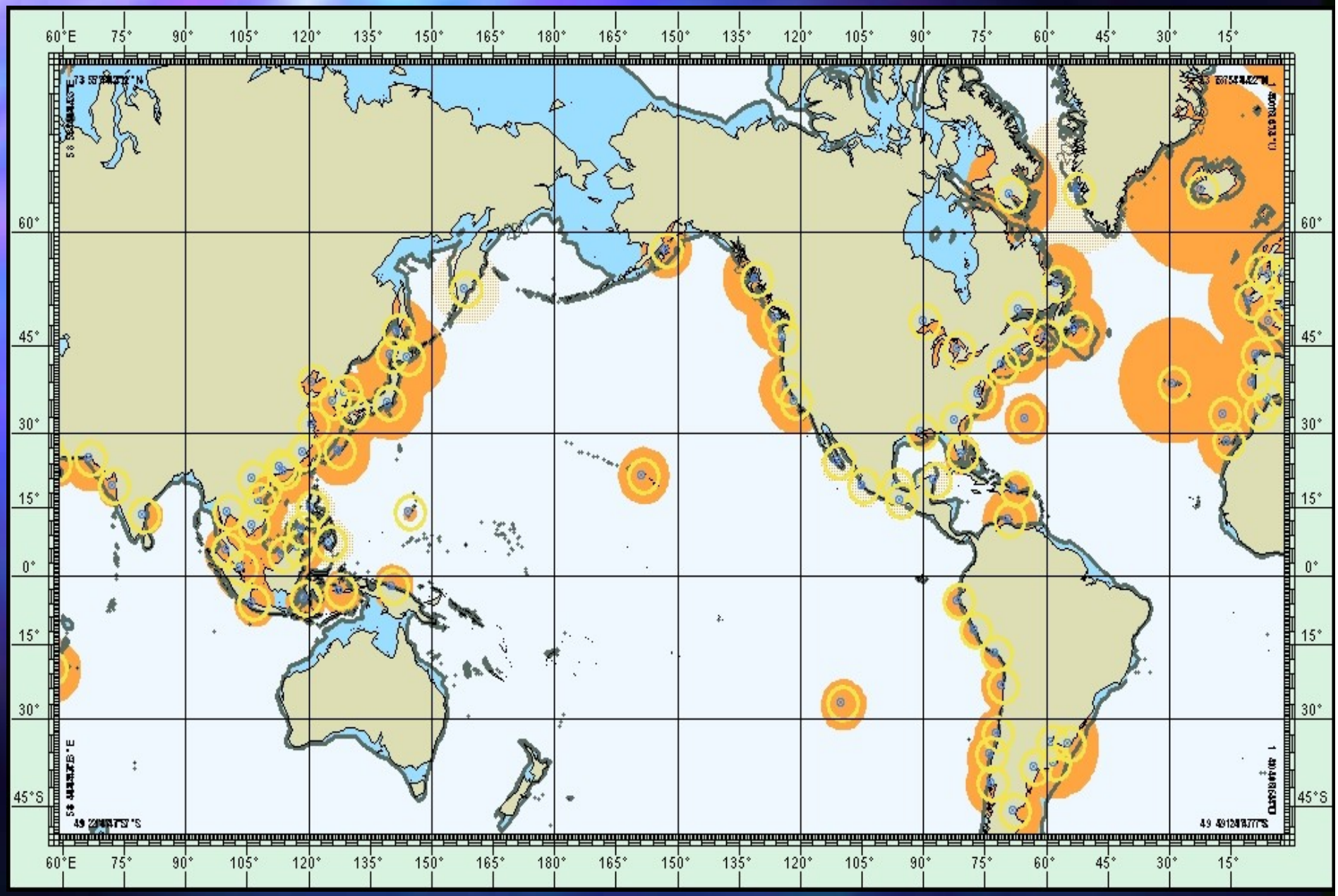

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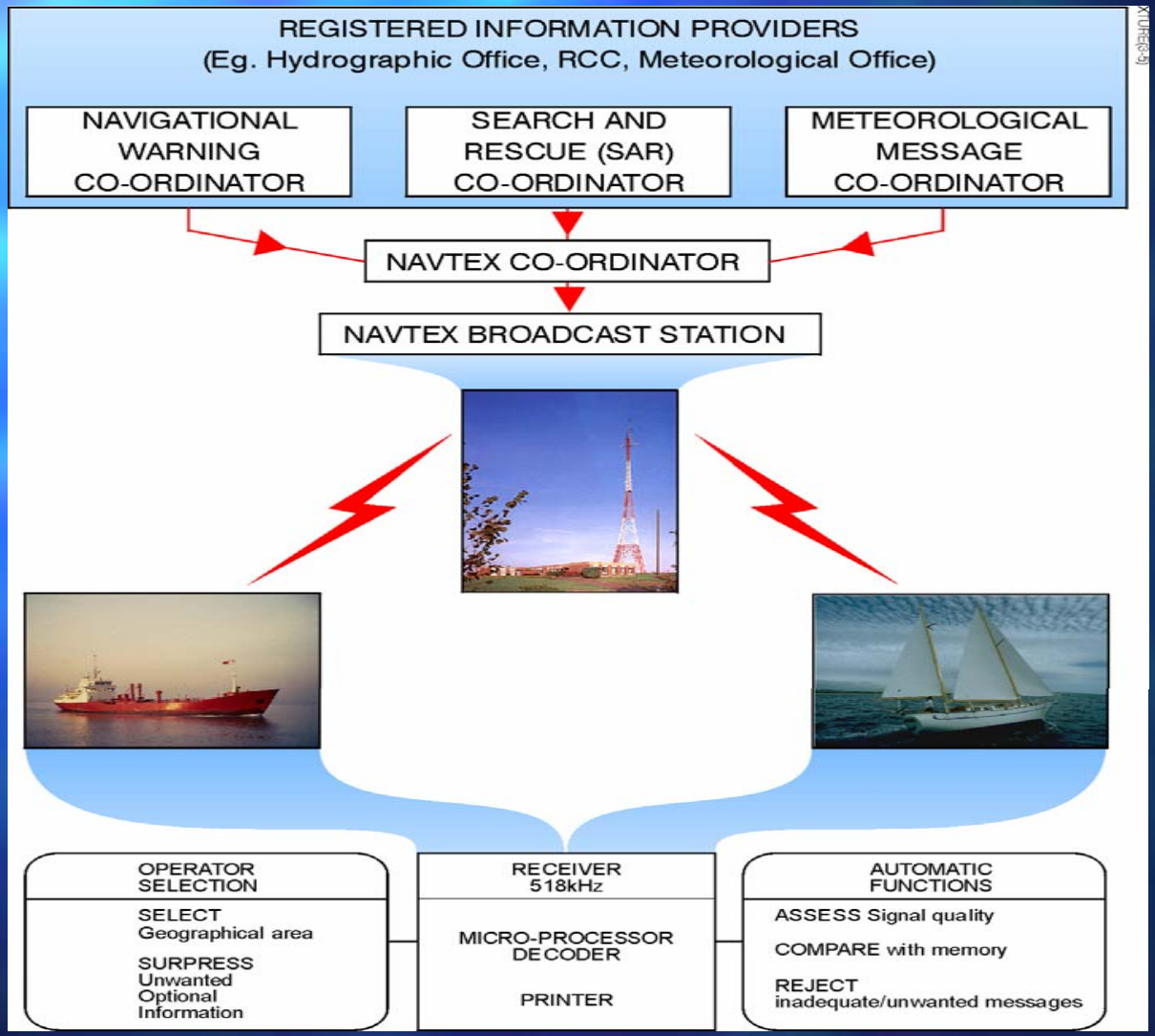
THE COMPLETE SYSTEM



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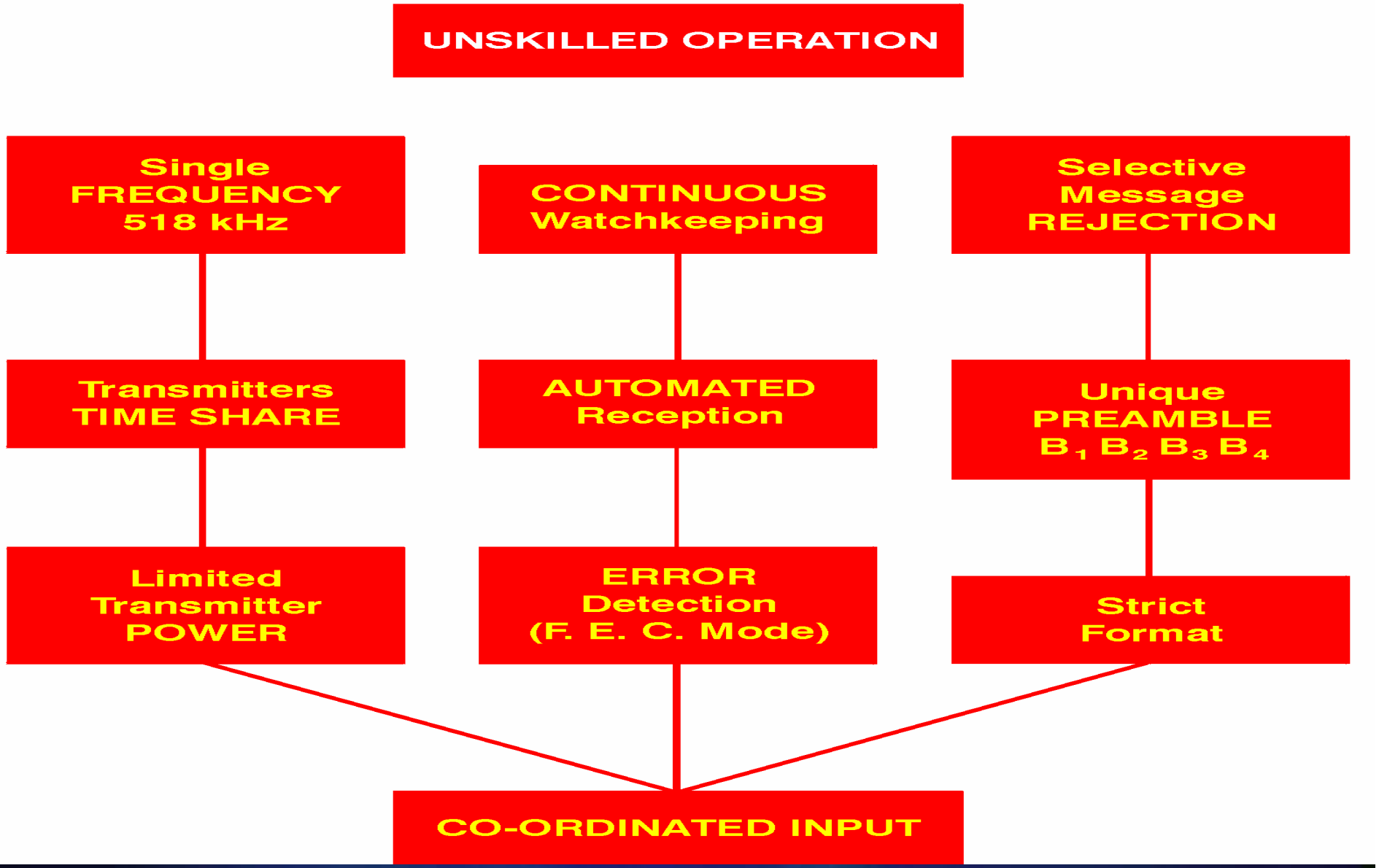
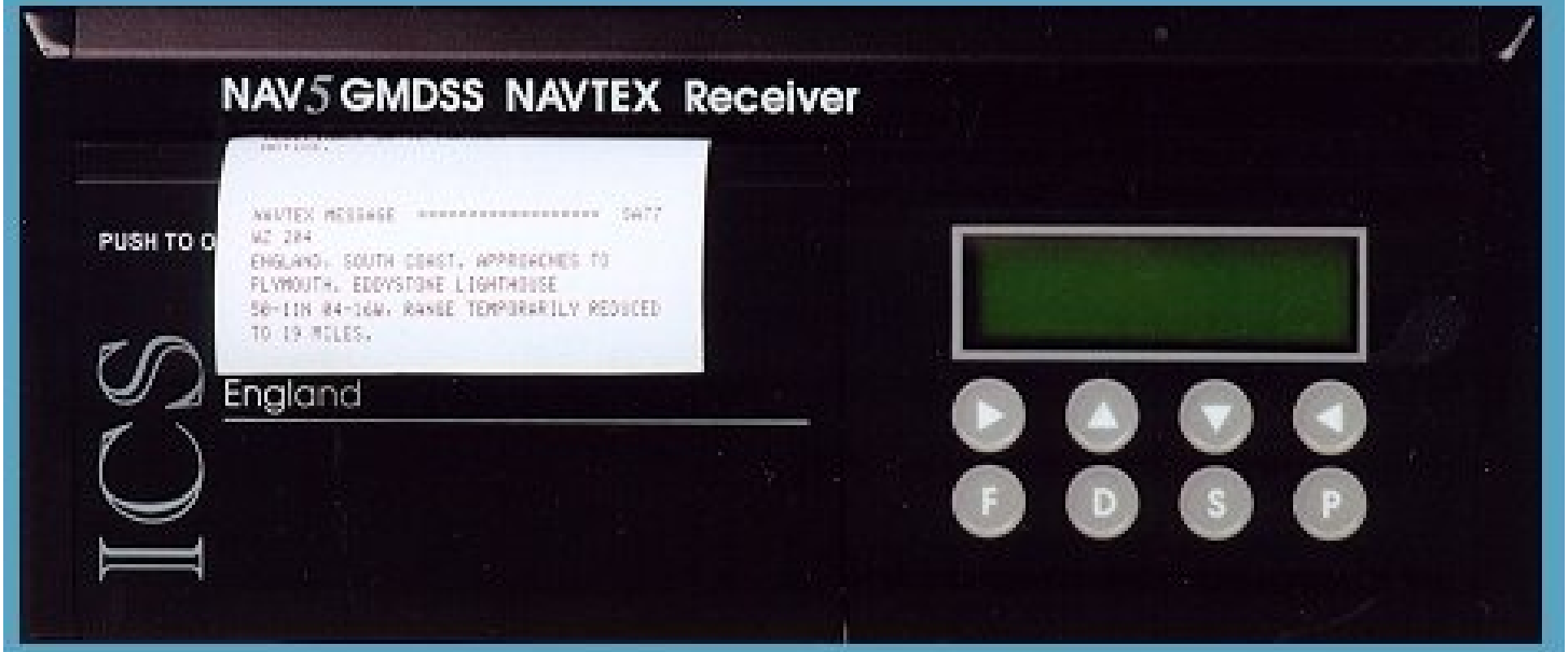
THE ESSENTIAL FEATURES OF NAVTEX



NAVTEX RECEIVER



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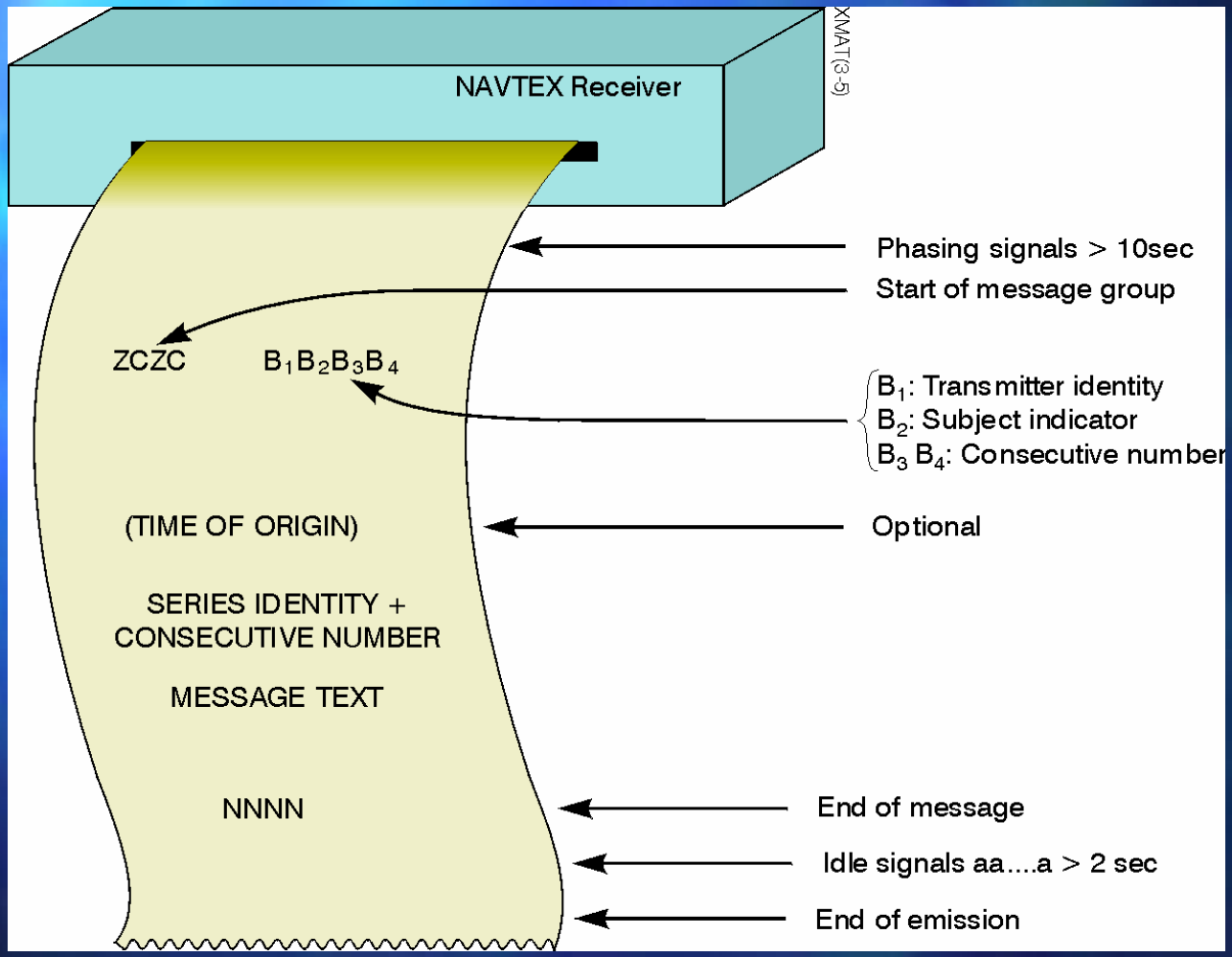
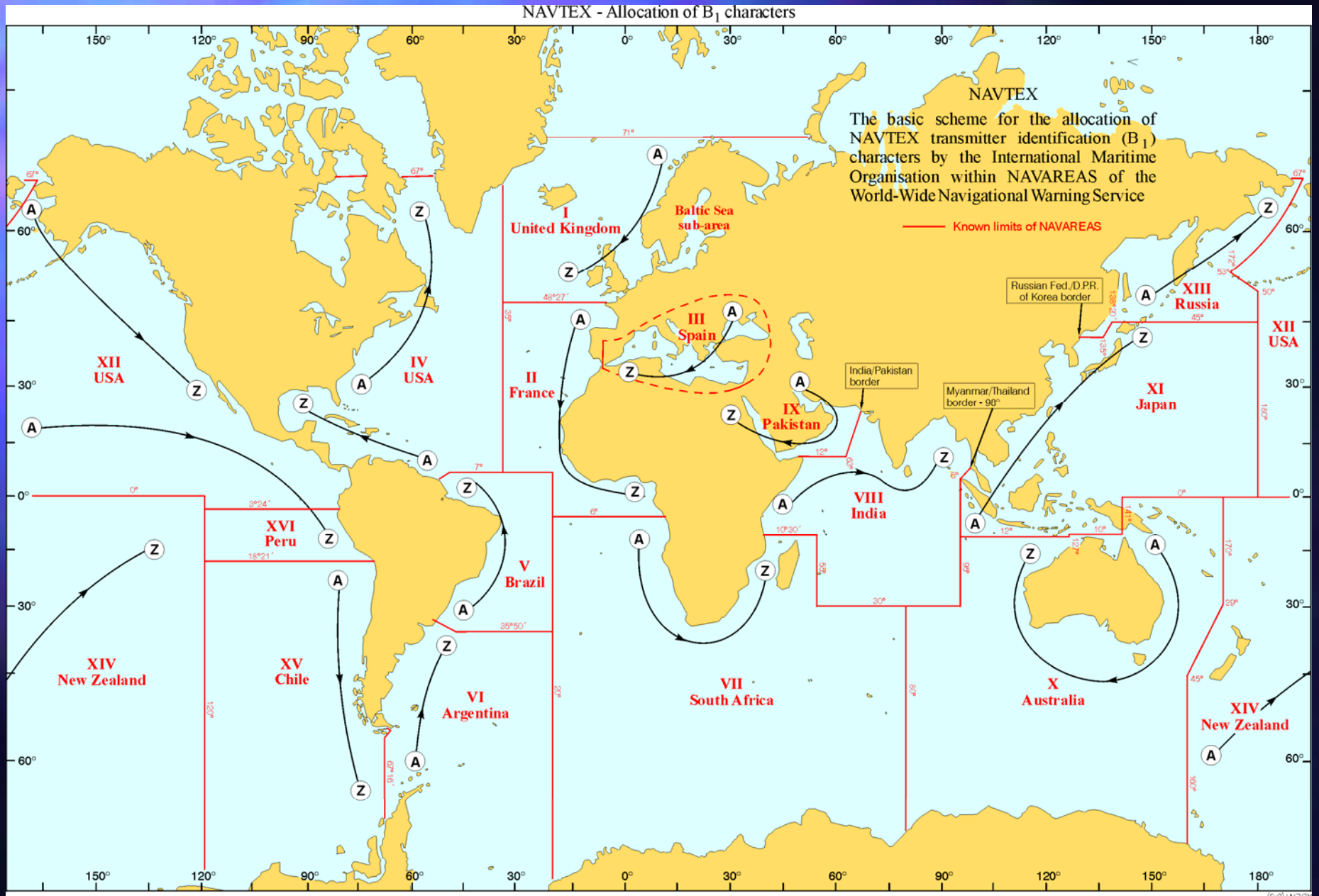
Message Format



NAVTEX
Technical Code

- B_1 - transmitter identification character


NAVTEX - Allocation of B_1 characters
NAVTEX
The basic scheme for the allocation of NAVTEX transmitter identification (B_1) characters by the International Maritime Organisation within NAVAREAS of the World-Wide Navigational Warning Service
Known limits of NAVAREAS
I United Kingdom
Baltic Sea sub-area
II France
III Spain
IV USA
V Brazil
VI Argentina
VII South Africa
VIII India
IX Pakistan
X Australia
XI Japan
XII USA
XIII Russia
XIV New Zealand
XV Chile
XVI Peru
India/Pakistan border
Myanmar/Thailand border - 98°
Russian Fed./D.P.R. of Korea border

lx

SCHEDULED TIMES (UTC)						TRANSMITTER IDENTIFICATION CHARACTERS (B_1)																	
						GROUP 1						GROUP 2						GROUP 3					
00	04	08	12	16	20	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
.10	–	–	–	–	–																		
.20	–	–	–	–	–																		
.30	–	–	–	–	–																		
.40	–	–	–	–	–																		
.50	–	–	–	–	–																		
01	05	09	13	17	21																		
.10	–	–	–	–	–																		
.20	–	–	–	–	–																		
.30	–	–	–	–	–																		
.40	–	–	–	–	–																		
.50	–	–	–	–	–																		
02	06	10	14	18	22																		
.10	–	–	–	–	–																		
.20	–	–	–	–	–																		
.30	–	–	–	–	–																		
.40	–	–	–	–	–																		
.50	–	–	–	–	–																		
03	07	11	15	19	23																		
.10	–	–	–	–	–																		
.20	–	–	–	–	–																		
.30	–	–	–	–	–																		
.40	–	–	–	–	–																		
.50	–	–	–	–	–																		
04	08	12	16	20	24																		

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NAVTEX
Technical Code

- B_1 - transmitter identification character
- B_2 - subject indicator character

B_2 CHARACTERS

A = Navigational Warnings (cannot be rejected)

B = Meteorological Warnings (cannot be rejected)

C = Ice Reports

D = SAR information and Pirate Attack warnings(cannot be rejected)

E = Met Forecasts

F = Pilot Service Messages

G = available

H = LORAN Messages

I = available

J = SATNAV Messages

K = other Navaid messages

L = Navigational Warnings (continuation of A, should not be rejected)

V =)

W =) Special services - allocation by NAVTEX Panel

X =)

Y =)

Z = No Messages on hand

NAVTEX
Technical Code

- B_1 - Transmitter Identification Character
- B_2 - Subject Indicator Character
- B_3B_4 - Message Numbering

B_3B_4 CHARACTERS

- Message numbers between 01 and 99
- 00, used with B_2 character D, for Initial Distress Messages ONLY

MESSAGE PRIORITIES

- VITAL
- IMPORTANT
- ROUTINE

CONTENT

- Area covered – coverage/service area

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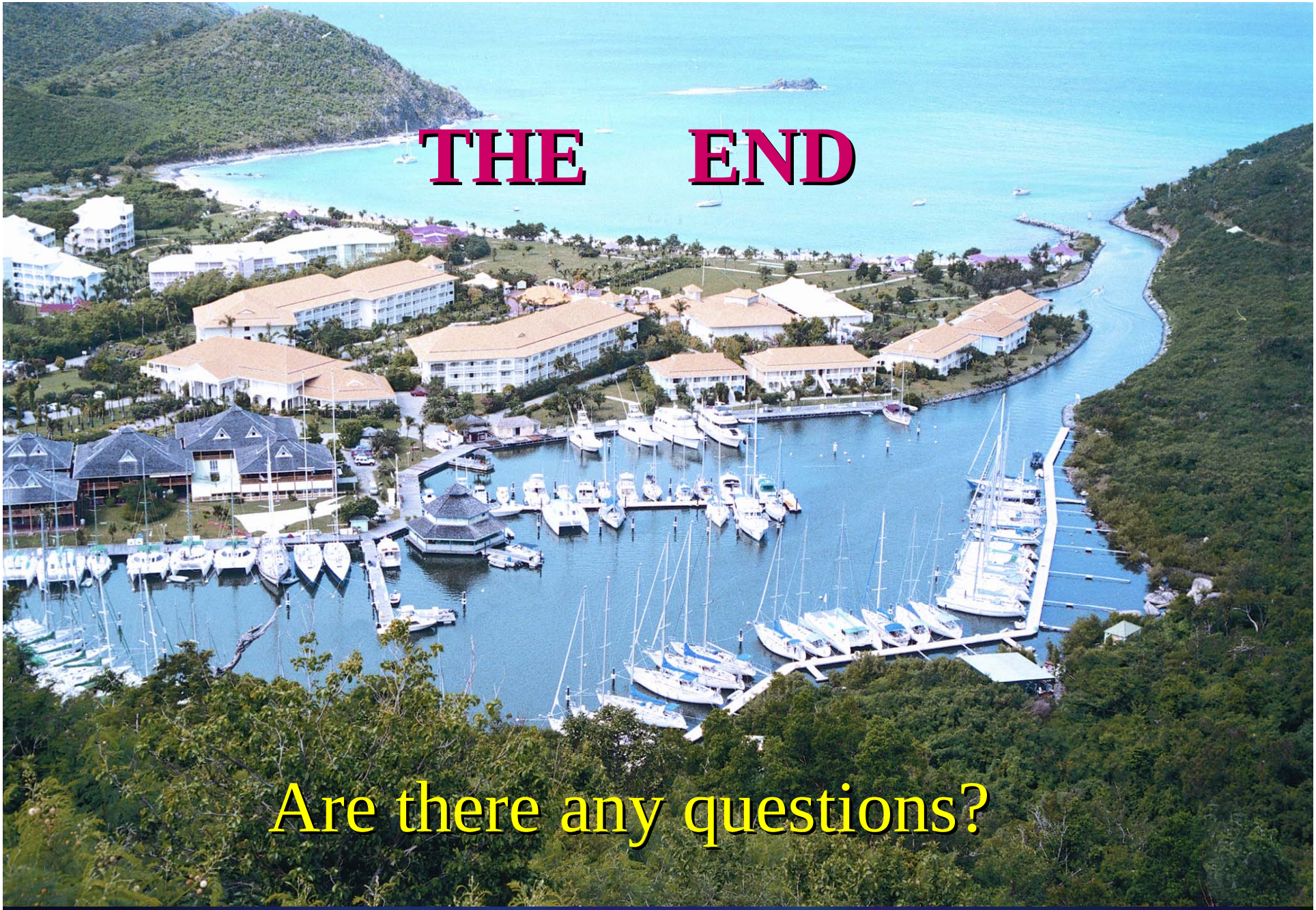
CONTENT

- Area covered – coverage/service area
- Brevity – formatted messages
- Time – 10 mins for all messages

SUMMARY

- Integral part of GMDSS/WWNWS
- Low cost, simple and automated
- Tailored broadcast


THE END
Are there any questions?