Shiphandling Simulator

New in the Integrated Training Phase

TACTICAL TRAINING GROUP ATLANTIC

Shiphandling Simulator

Outline

- Background
- ENTERPRISE CSG Inaugural Event
- Way ahead

Background

- Shiphandling simulators installed in each home port 2005-2006
- Norfolk/San Diego multiple bridges within complex; linkable
  - Multi-ship events (linked) never before conducted

- Historically operated by SURFOR contractors for basic phase/unit
  - Funding oversight by SURFOR
  - Single ship scenarios
    - Pier work, harbor navigation, UNREP approaches
  - Ships get 60 hours a year; few ships use it all

ENTERPRISE CSG

11 Oct 2011

- Organized because all ENT CSG ships were in Norfolk
  - VICKSBURG was in town conducting FST-GC
  - Conducted at night after first day of FST-GC (1700-2100)
- Three modules within NSST complex were linked for multi-ship event
  - ENT, VIK and any DDG
- Strait of Hormuz transit of formation
  - Traffic Separation Scheme
  - High speed, night transit
  - Tight formation
  - Lots of shipping; fishing boats; smugglers and patrol boats
- Until now the first time they see this is on deployment
  - No real chokepoint in Treasure Coast scenario

Schedule of Events

1645 Enterprise Gator briefs track to Navigators/watch teams

1700 Brief to all players

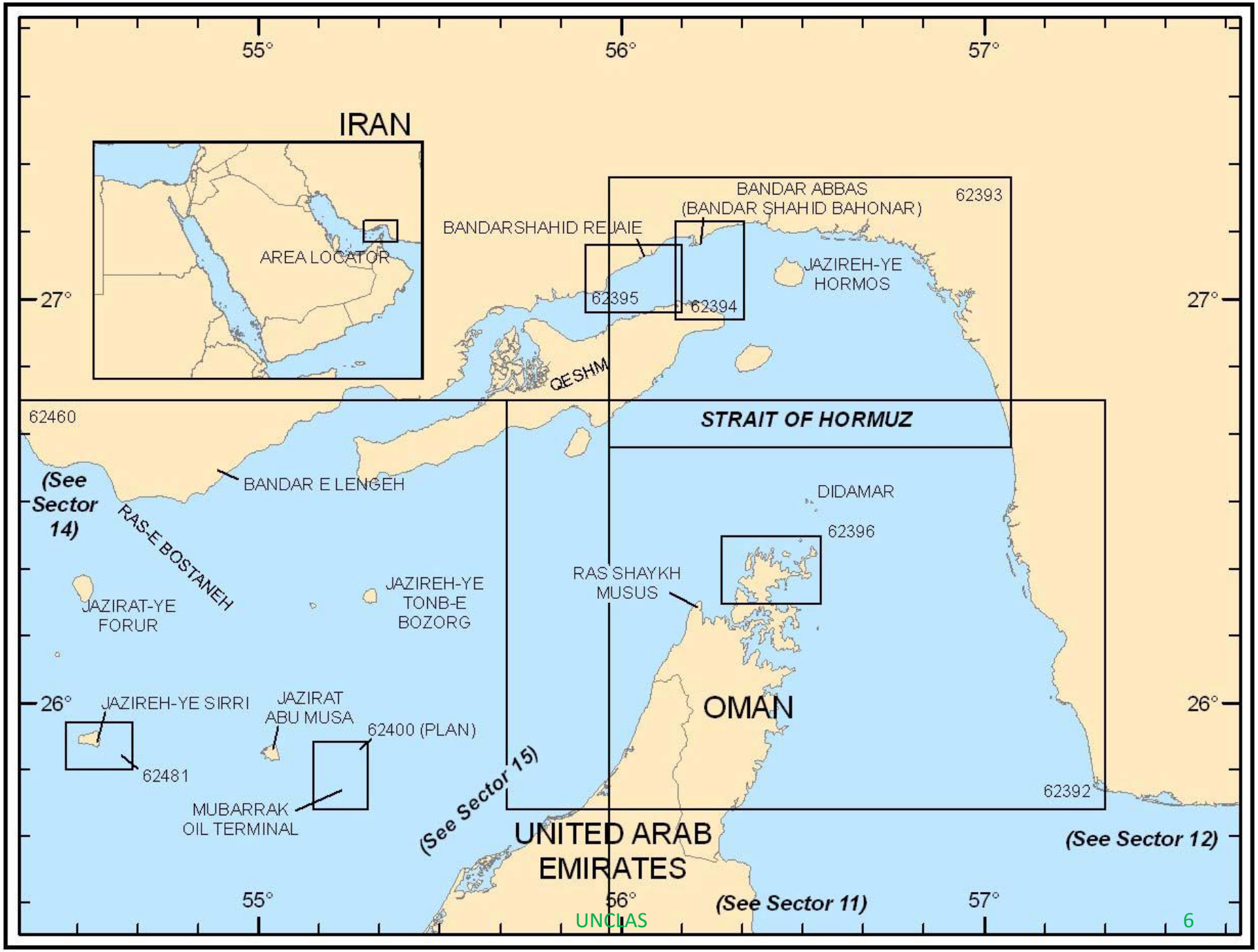
1715 Man up simulators

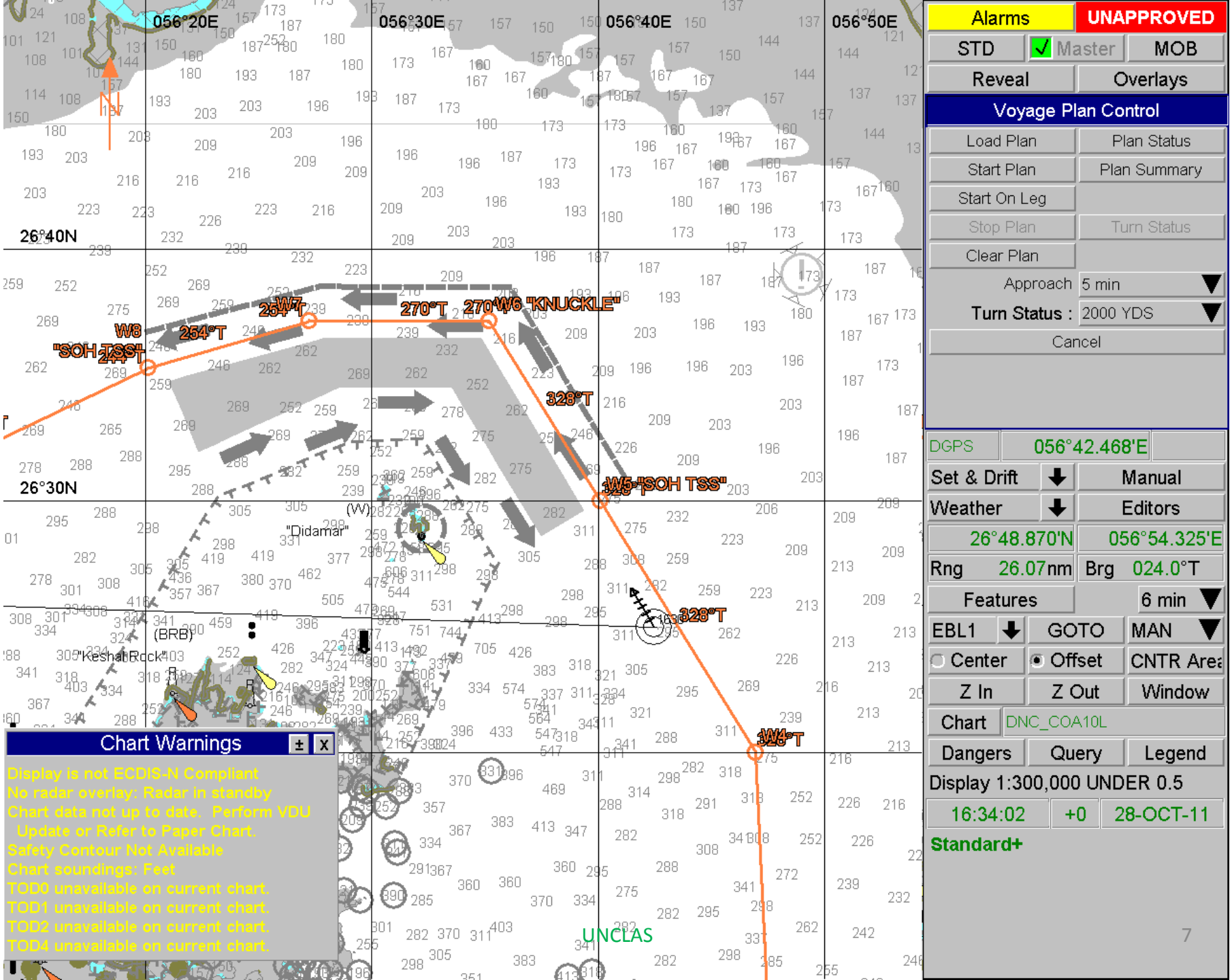
1730 Start exercise. Objectives were to exercise:

- VIK manage traffic for the group
- VIK query response - 2 countries
- Group response to fast movers
- Group close maneuvering at night (2000/3000 yards)
- Group response to propulsion casualty (last event) (not conducted–just too much)

1900 Exercise complete - debrief

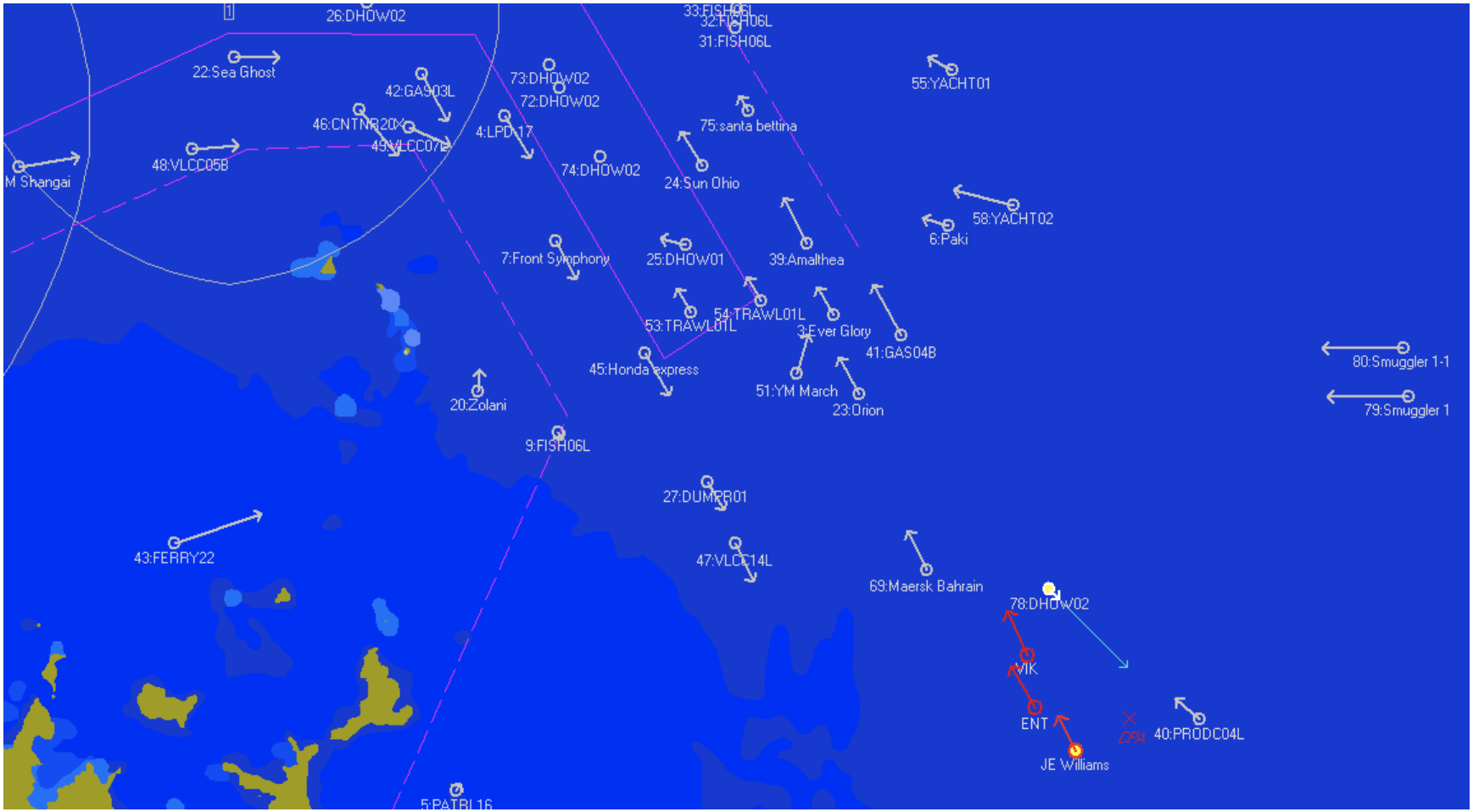
1930 Brief ENT Plane Guard procedures/message – simulation (not conducted)

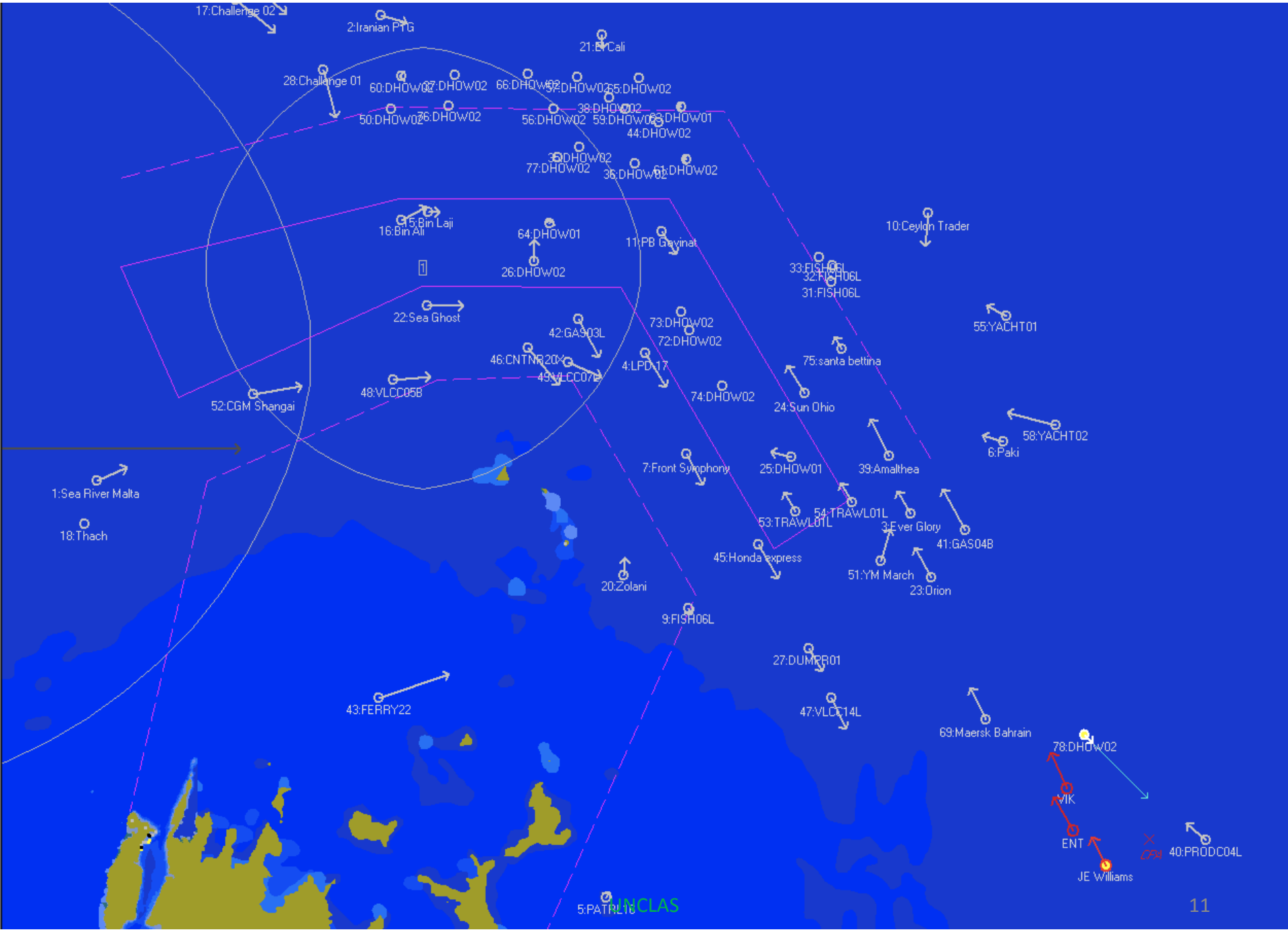

55°
56°
57°
IRAN
AREA LOCATOR
27°
BANDARSHAHID REJAIE
BANDAR ABBAS
(BANDAR SHAHID BAHONAR)
62393
JAZIREH-YE
HORMOS
62395
62394
QESHM
62460
STRAIT OF HORMUZ
(See
Sector
14)
BANDAR E LENGEH
RAS-E BOSTANEH
DIDAMAR
62396
JAZIREH-YE
TONB-E
BOZORG
RAS SHAYKH
MUSUS
JAZIRAT-YE
FORUR
26°
JAZIREH-YE SIRRI
JAZIRAT
ABU MUSA
62400 (PLAN)
OMAN
62481
MUBARRAK
OIL TERMINAL
(See Sector 15)
62392
UNITED ARAB
EMIRATES
(See Sector 12)
(See Sector 11)


056°20E
056°30E
056°40E
056°50E
26°40N
26°30N
W8
"SOH TSS"
254°T
W7
254°T
270°T
270°T
W6 "KNUCKLE"
328°T
W5 "SOH TSS"
328°T
328°T
"Didamar"
(BRB)
"KeshahRock"
Chart Warnings
Display is not ECDIS-N Compliant
No radar overlay: Radar in standby
Chart data not up to date. Perform VDU Update or Refer to Paper Chart.
Safety Contour Not Available
Chart soundings: Feet
TOD0 unavailable on current chart.
TOD1 unavailable on current chart.
TOD2 unavailable on current chart.
TOD4 unavailable on current chart.
Alarms
UNAPPROVED
STD
Master
MOB
Reveal
Overlays
Voyage Plan Control
Load Plan
Plan Status
Start Plan
Plan Summary
Start On Leg
Stop Plan
Turn Status
Clear Plan
Approach 5 min
Turn Status : 2000 YDS
Cancel
DGPS
056°42.468'E
Set & Drift
Manual
Weather
Editors
26°48.870'N
056°54.325'E
Rng 26.07nm
Brg 024.0°T
Features
6 min
EBL1
GOTO
MAN
Center
Offset
CNTR Area
Z In
Z Out
Window
Chart
DNC_COA10L
Dangers
Query
Legend
Display 1:300,000 UNDER 0.5
16:34:02
+0
28-OCT-11
Standard+
UNCLAS
7

Formation at COMEX

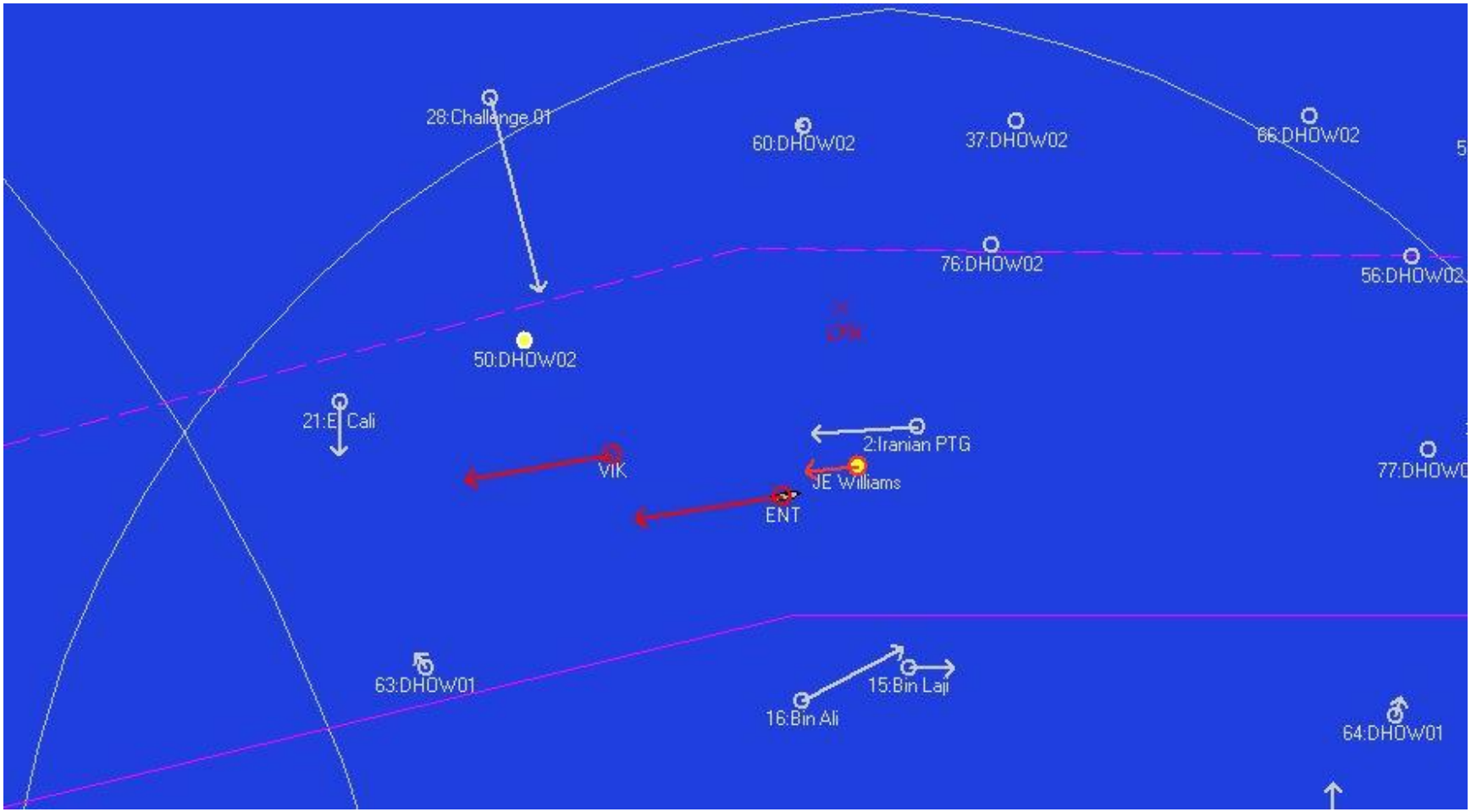
Traffic Density




17:Challenge 02
2:Iranian PTG
21:BrCali
28:Challenge 01
60:DHOW02
67:DHOW02
66:DHOW02
52:DHOW02
65:DHOW02
38:DHOW02
50:DHOW02
76:DHOW02
56:DHOW02
59:DHOW02
63:DHOW01
44:DHOW02
77:DHOW02
35:DHOW02
36:DHOW02
61:DHOW02
16:Bin Ali
15:Bin Laji
64:DHOW01
26:DHOW02
11:PB Gayinat
10:Ceylon Trader
33:FISH06L
32:FISH06L
31:FISH06L
22:Sea Ghost
42:GAS03L
73:DHOW02
72:DHOW02
55:YACHT01
46:CNTNR20'
49:VLCC07L
4:LPD 17
75:santa bettina
48:VLCC05B
74:DHOW02
24:Sun Ohio
52:CGM Shangai
58:YACHT02
6:Paki
7:Front Symphony
25:DHOW01
39:Amalthea
1:Sea River Malta
53:TRAWL01L
54:TRAWL01L
3:Ever Glory
41:GAS04B
18:Thach
45:Honda express
51:YM March
23:Orion
20:Zolani
9:FISH06L
27:DUMRR01
43:FERRY22
47:VLCC14L
69:Maersk Bahrain
78:DHOW02
VIK
ENT
JE Williams
40:PRODC04L
5:PATRL10
UNCLAS

NAVY

Response to Patrol Boats



ENTERPRISE CSG

- ENT Navigator and NSST staff created accurate scenario
- NSST instructors attended
- Two radio circuits; Navy Red and Bridge-to-Bridge
  - Had to use handheld radio for bridge-to-bridge
- ENT in one module, VIK in one module, DDG in another
- Froze problem to convene and discuss on whiteboard (priceless)

Way Ahead

- Next event is Feb-Mar 2012 for IKE CSG
  - Will also conduct IWO ARG event, not yet planned
- Need to arrange funding for Integrated Training Phase event
  - Currently NSST coupled to SURF TYCOM – Basic/Unit level training
  - Cost of this event approx $1200.00 (4 contractor instructors +)
  - ❑ Message to CFFC from CSFTL/TTGL requesting alignment for semi-annual event
- Institutionalize this event package
  - ❑ Prepare an event plan for the event
  - ❑ Published plan for event and pass to ALCON 30 days before event
  - ❑ Prepare a brief for participants when they arrive at the simulator
  - ❑ Share ENT CSG event with West Coast
  - ❑ Published Proceedings article capturing this event