Preparing for e-navigation
Changing the Teaching Paradigm
Why am I here?

• 11 years MCM Navigation
• Research and Teaching Background
  • Disruptive Discourse
  • Social Networking
• The Nautical Institute
  • Publications
The MET Objective

• Robust

• Critical

• Competent
Traditional Navigation

• Fragile Systems
• User generated data
• Error Management
E-Navigation

- Robust Systems
- Reliable Data
- Pre-compiled Picture
Training Paradigms

Traditional

- Bottom Up

E-Navigation

- Top Down
Sweden 2013
(A reality check)
The Assessment Challenge
Bottom Up
Top Down
Issues

• Spatial awareness
• Correct application of the IRPCS
• Task prioritization
• Cognitive reasoning (eg mental arithmetic, contextualisation)
• Whole ship awareness and shiphandling
  • Workload, stress and fatigue management.
A New Teaching System

From Bridge to Classroom

with

Licensing by Practical Assessment

Of Solo Watchkeeping Skills
SeaDrive

A project to develop and test
A competence based training model
For the e-navigation environment

And then............
SeaDrive

.........Share it with the world
Sea Drive 2013
From Lookout to Command: Championing Navigational Competencies for Safer Seas
Questions so far?

(Please be brief. We’ve got a lot to get through)
Steve’s Vacation Photos
A Presentation  (My Dime, My Time)
That's all Folks!