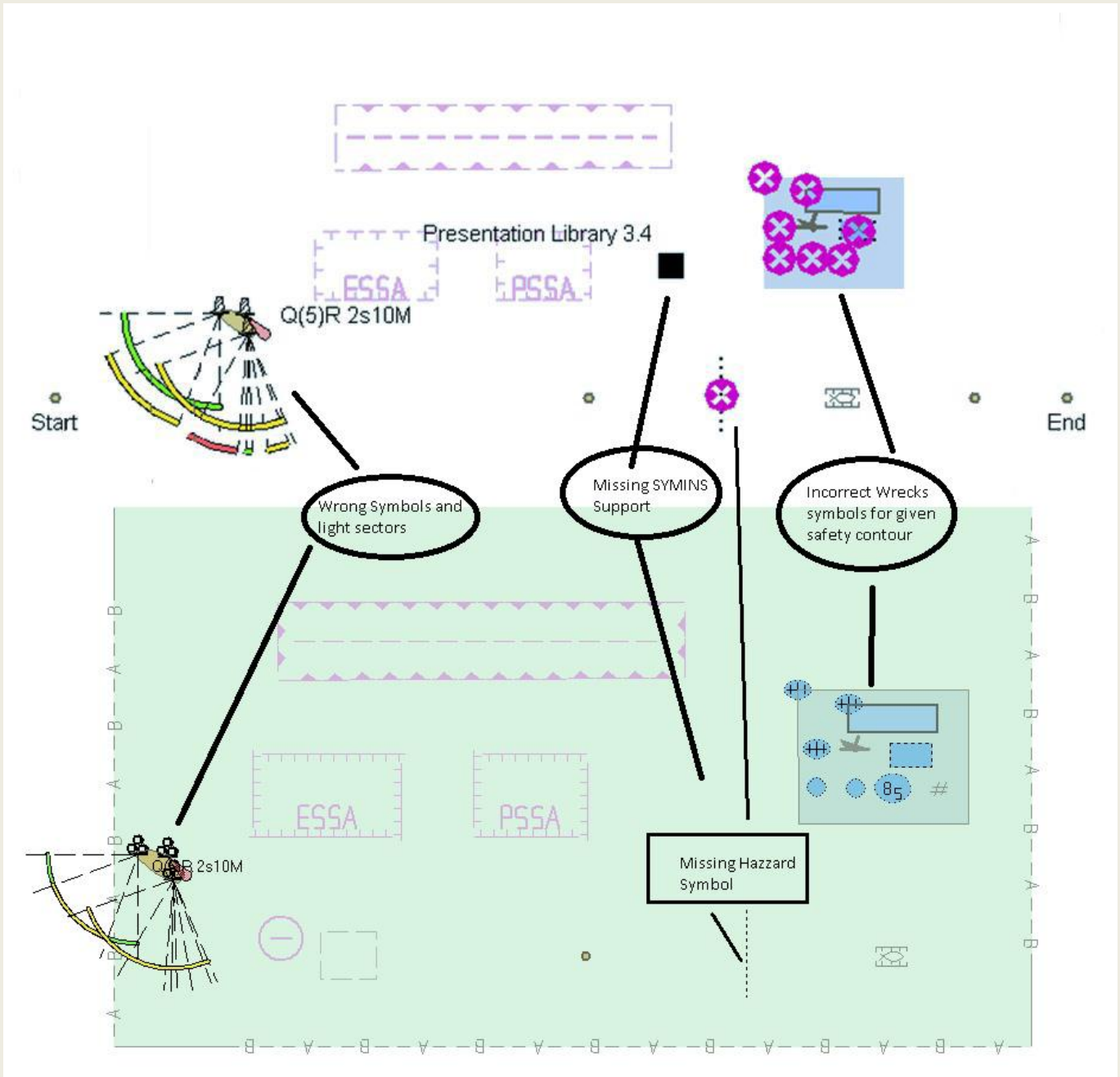
Progress report on ECDIS operating anomalies

Chris Smith

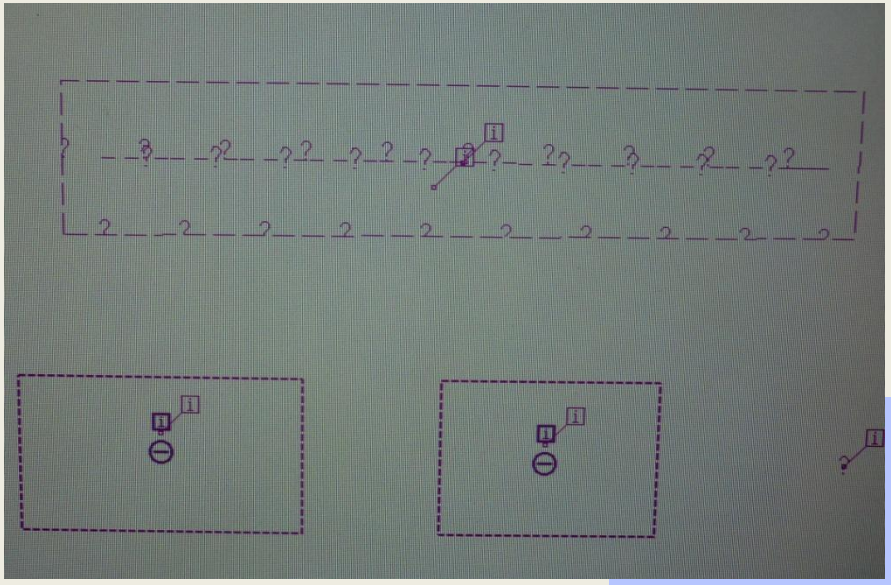
IHO Check Dataset

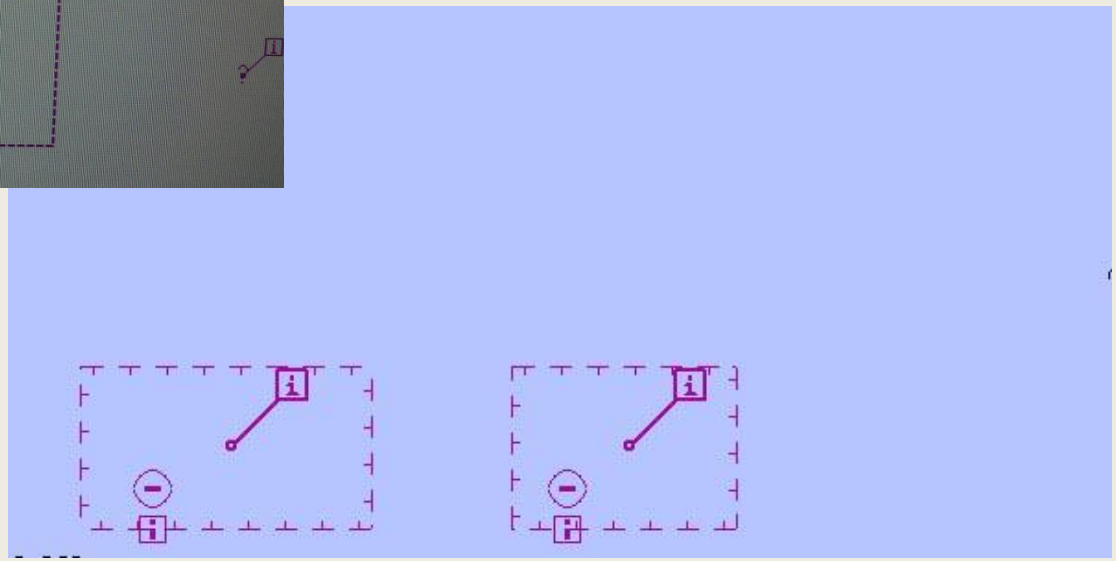
- Issued to allow mariners to check the onboard ECDIS for anomalies
- Not intended for wider use by Port State Control but....
- Has been a useful training and awareness tool
- Approximately 900 check data set reports received and inspected by IHO

Extract from Hypack Newsletter – Presentation of Electronic Charts
http://www.hypack.com/new/News/SoundingBetterNewsletter/tabid/141/Default.aspx

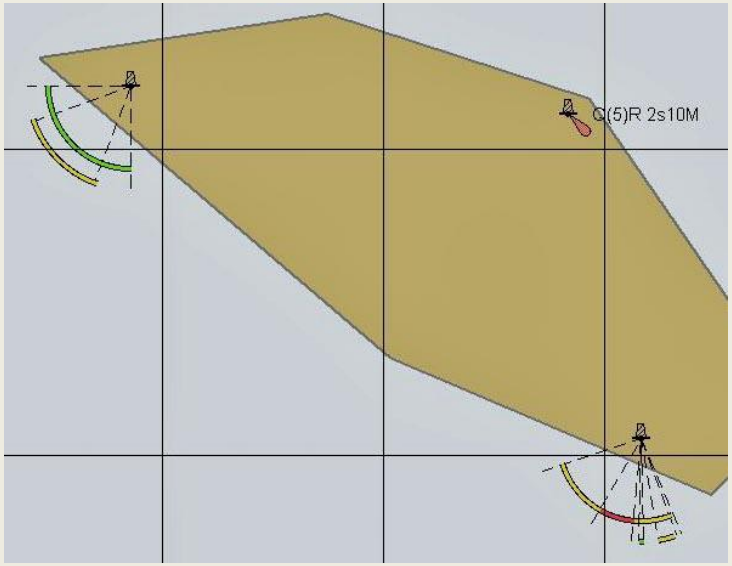


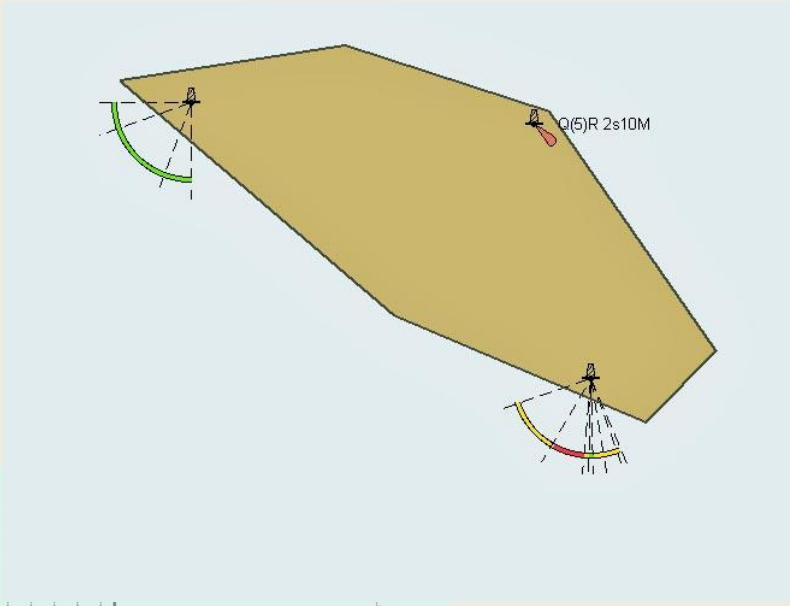
Presentation of ASL, ESSA, PSSA, New Object

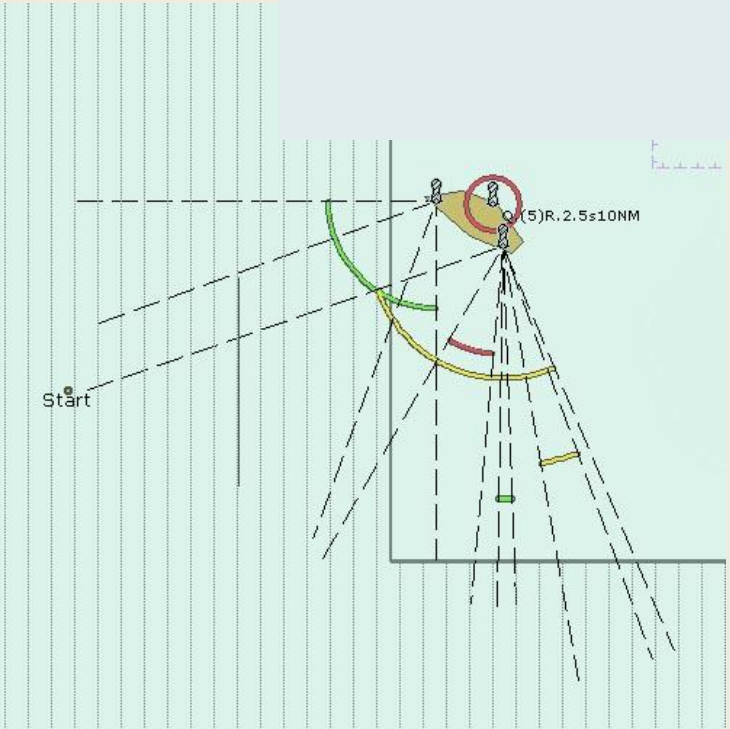




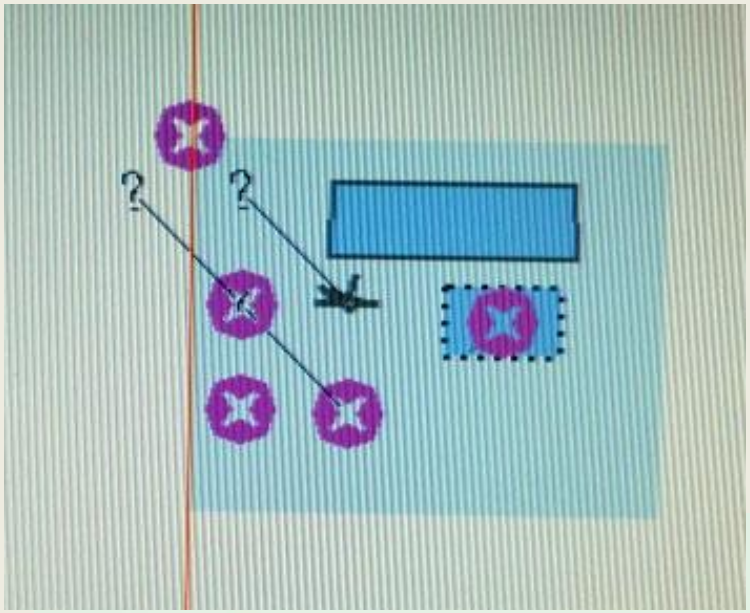
Incorrect display of complex light sectors

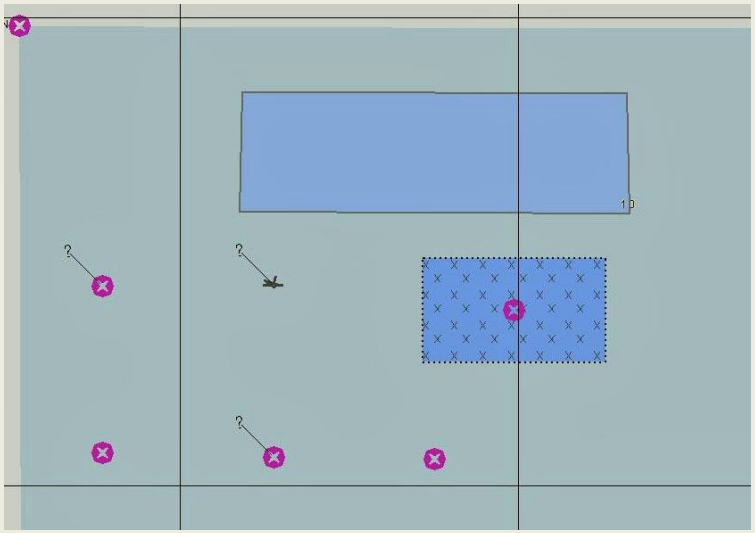


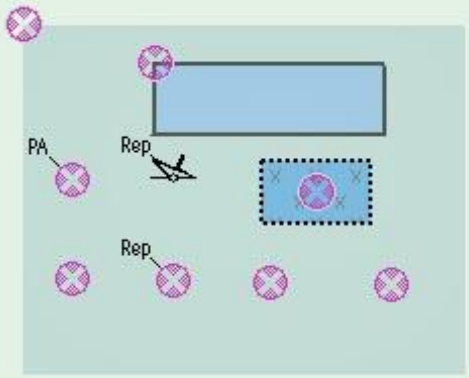


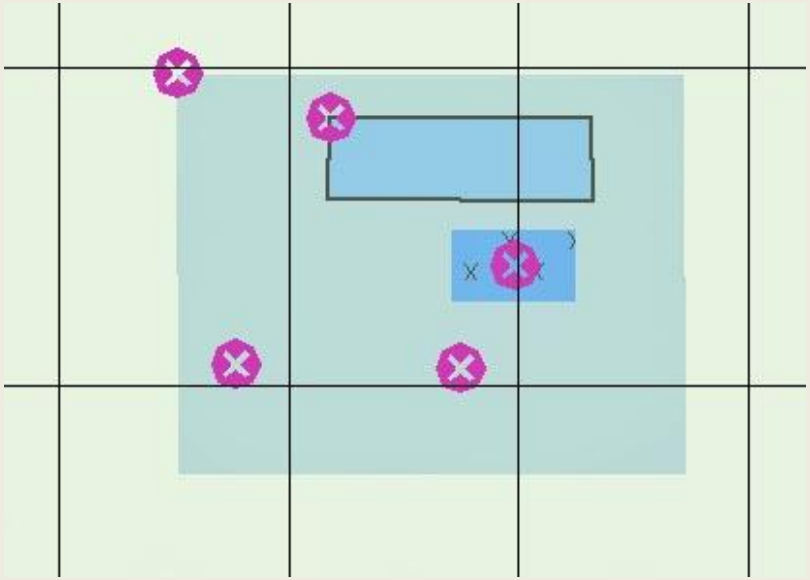


Variations in display of obstructions – Standard Mode

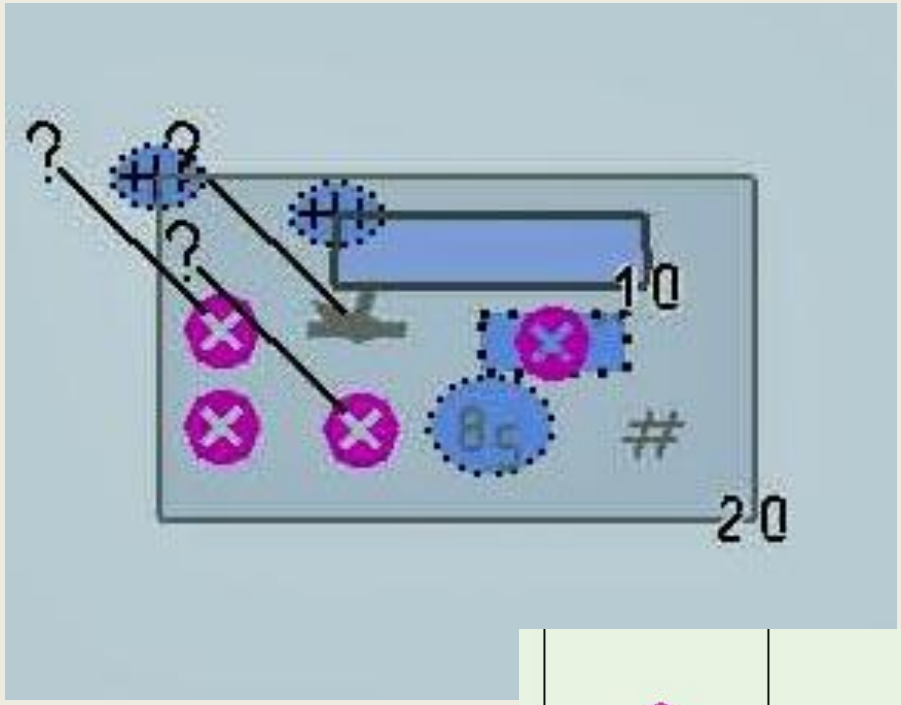


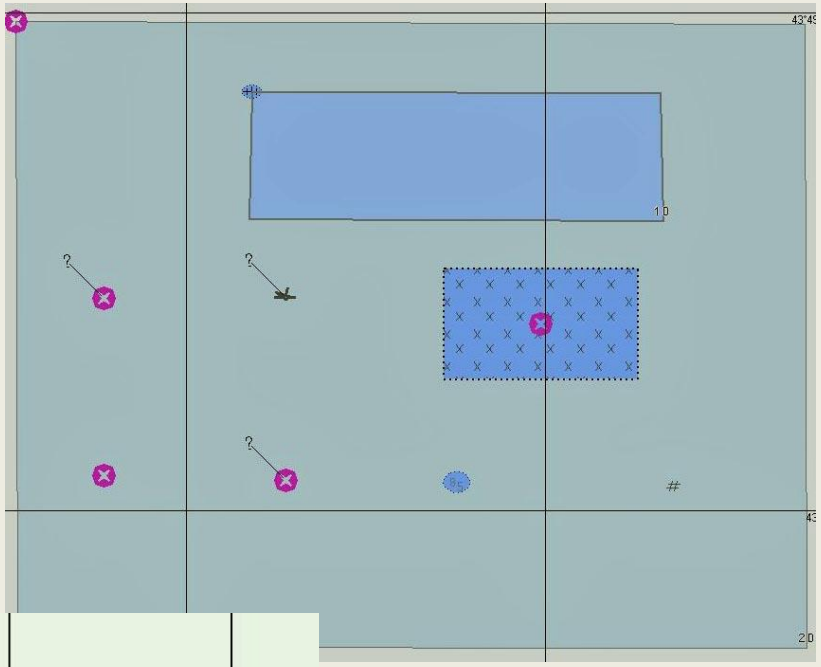


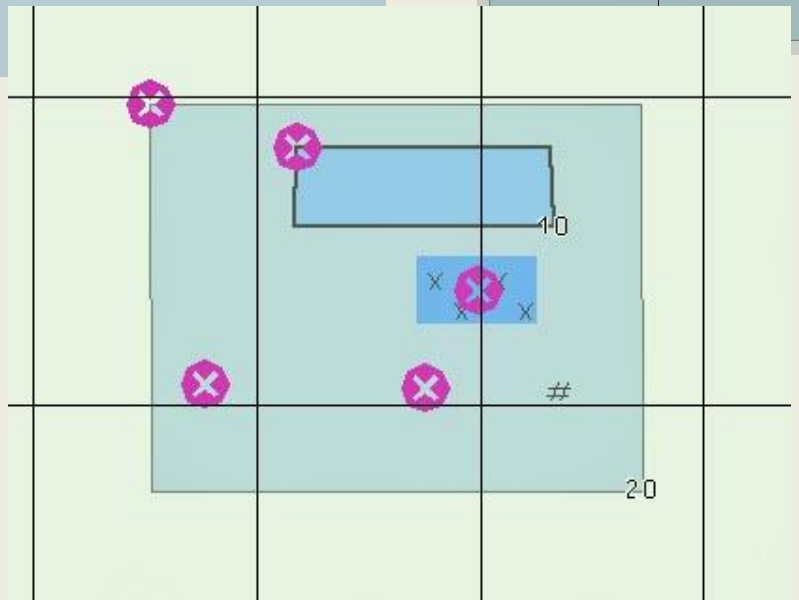




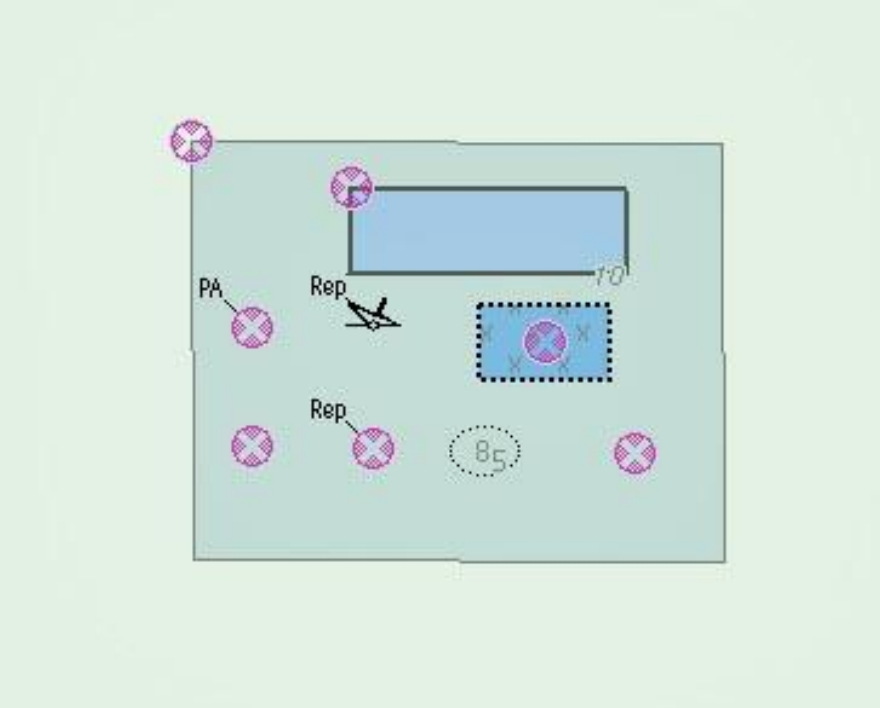
Variations in display of obstructions – Full / Other Mode

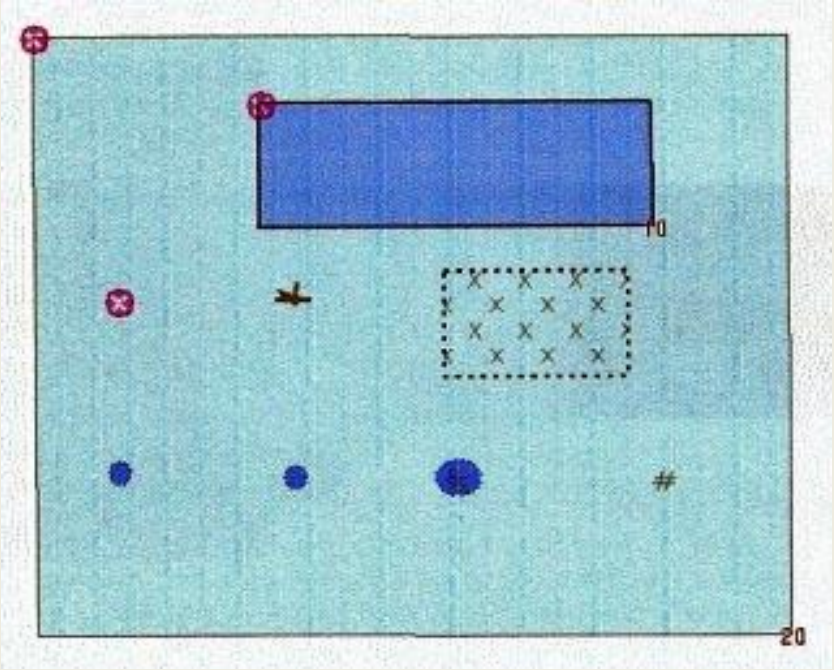






Variations in display of obstructions – amended safety contour





Lessons

- Standards need to be clear and unambiguous and more guidance needs to be given to OEMs
- Test data needs to be more extensive and greater guidance should be given to assist Type Approval process
- ENC data has to conform to fully to standards; S-58 needs to support ENC producers better to ensure this

Progress

- Mariners are much better informed
- Some shipping companies are updating systems
- Progress is being made in IMO to address the issues. SN Circ 312 recently issued
- IMO to host an IHO meeting in October for experts to identify solutions and prepare better guidance for mariners

For HSSC Consideration

- Do current IHO WG plans meet the scope, and timescales of industry expectations?
- How could IHO ensure stricter adherence to ENCs standards by ENC producers?
- Should new IHO standards they be subject to greater external expert review to ensure they are clear and unambiguous?
- Are the correct processes in place to alert mariners, OEM and HOs to any further anomalies?

Is this an anomaly?