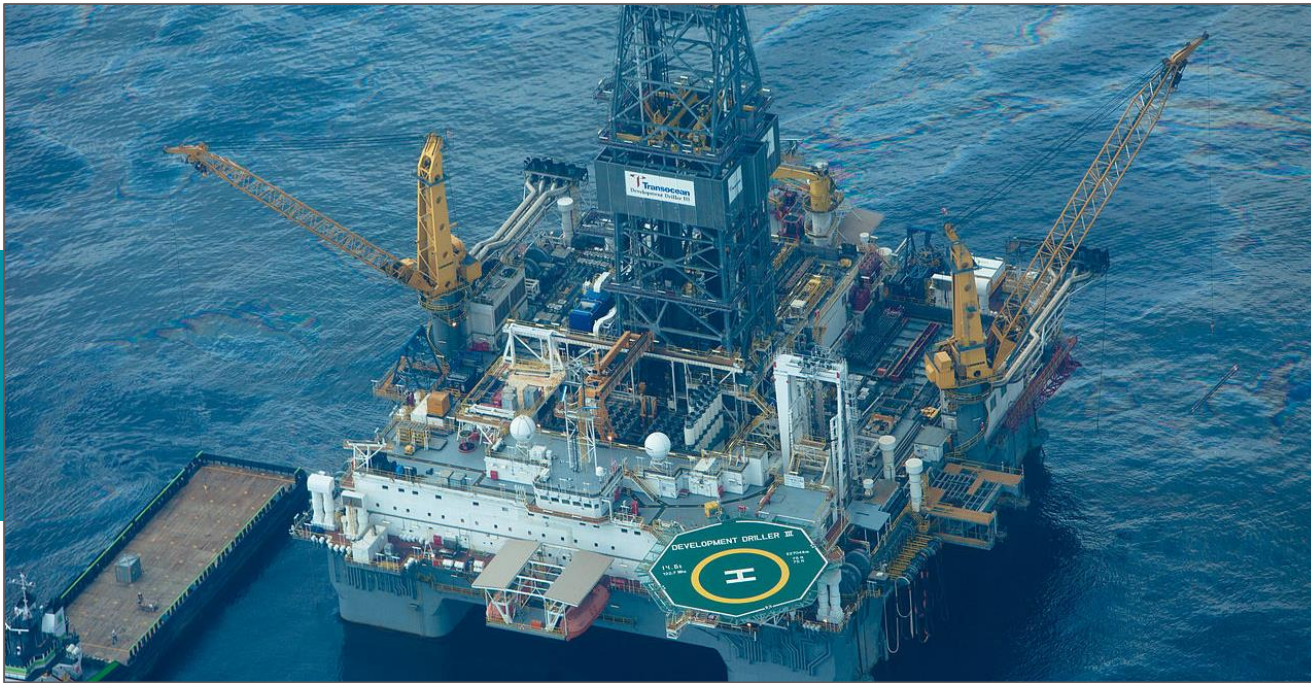


Offshore approach gap analysis

Helicopter Safety Research Management Committee

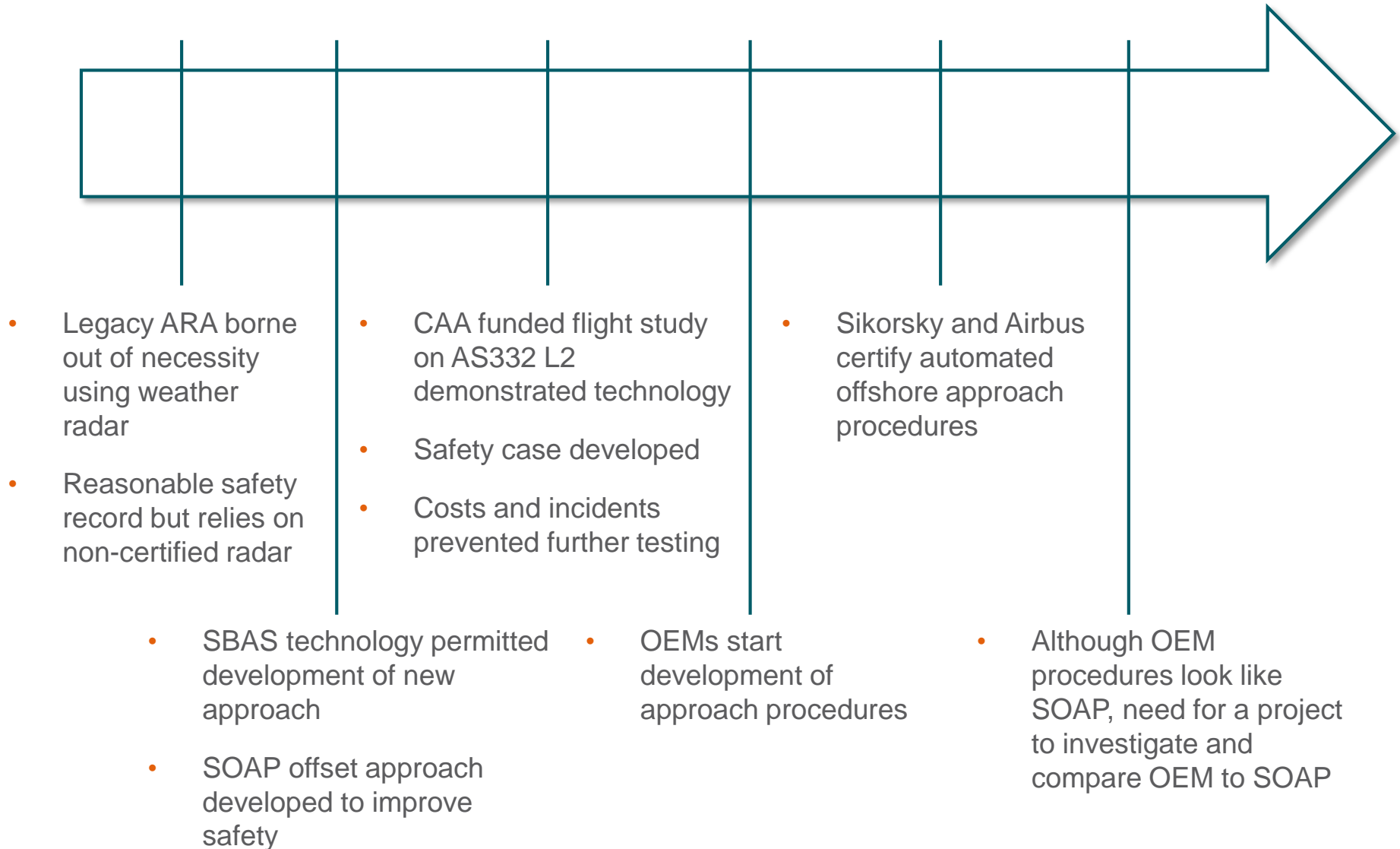
CAA Gatwick - 4th May 2017



Discussion topics

- Introduction, background and motivation
- The different approach profiles
- Common hazards with the offset approach
- Conclusions and next steps

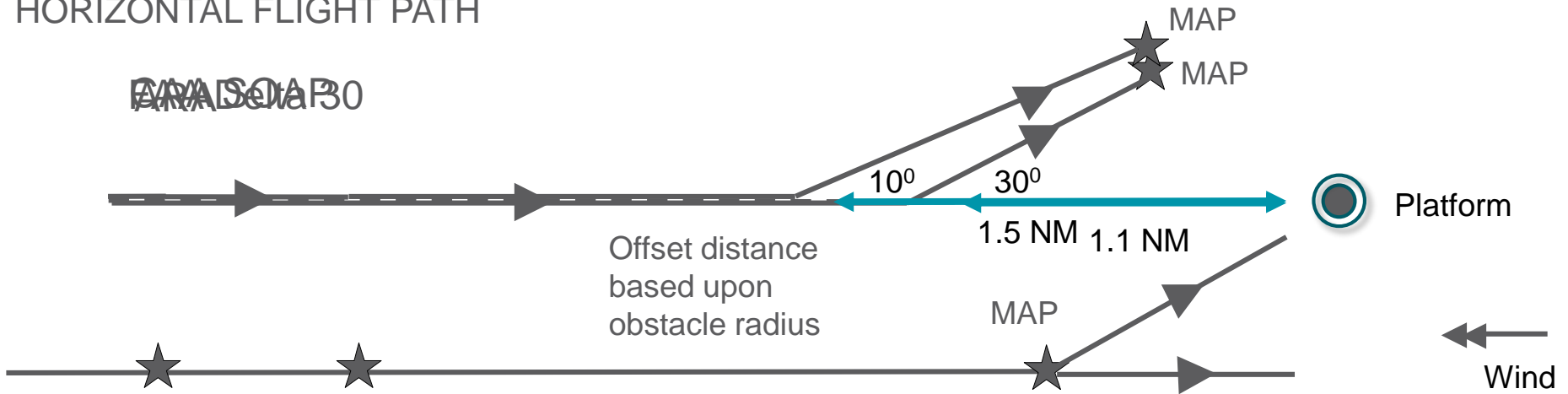
Introduction, background and motivation



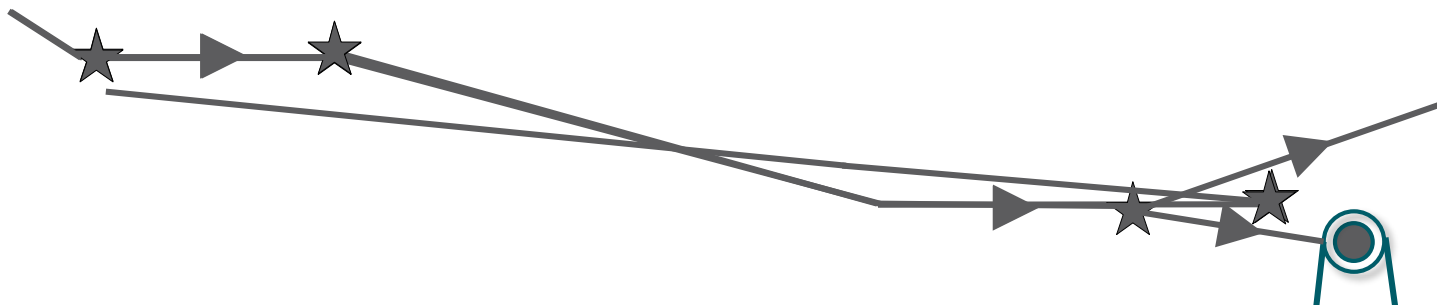
Approach profiles, ARA, Delta 30 and SOAP

A number of approach options available:

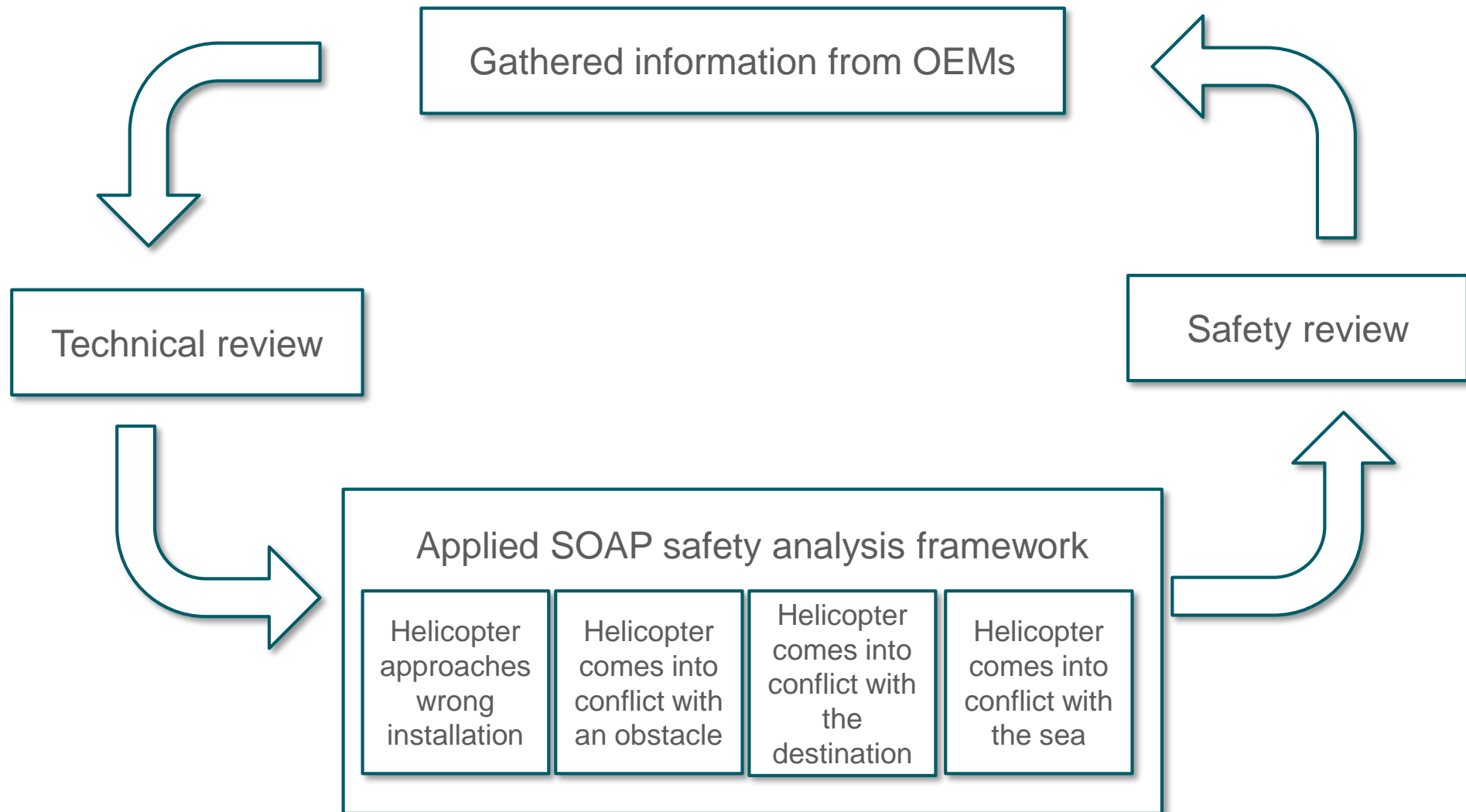
HORIZONTAL FLIGHT PATH



VERTICAL FLIGHT PATH

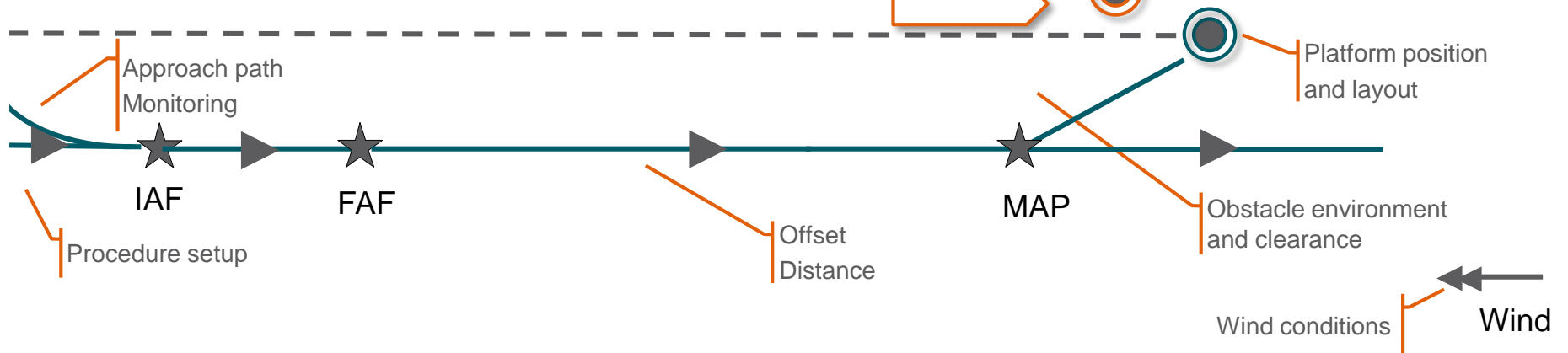


Study approach and analysis

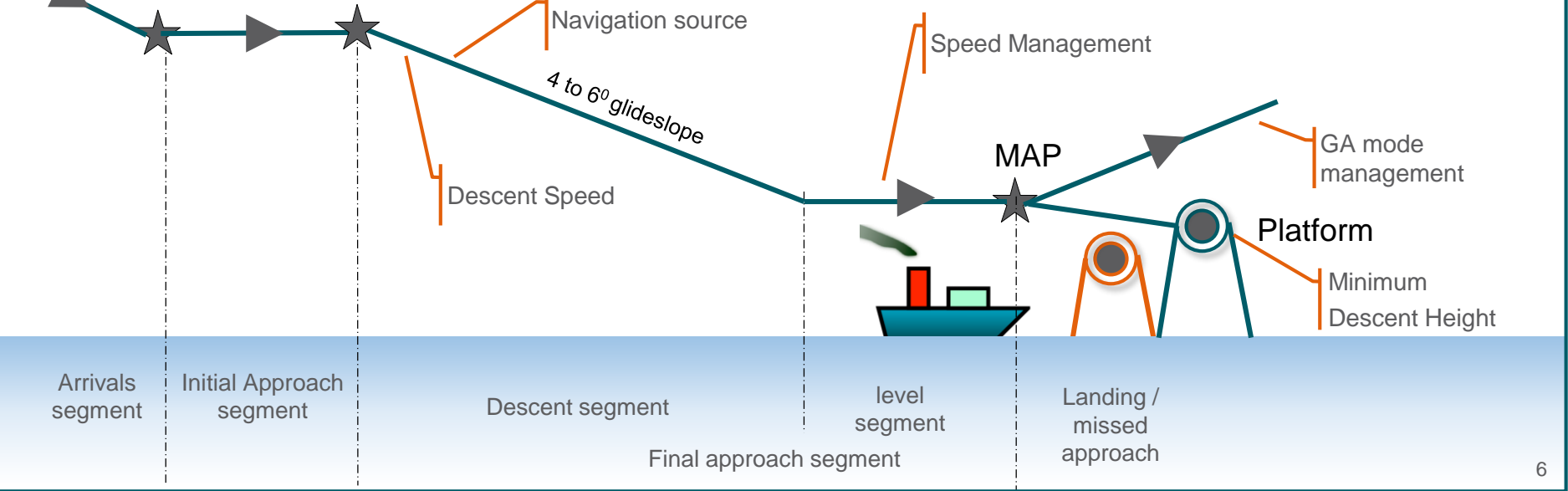


The offset procedure - good practice

HORIZONTAL FLIGHT PATH



VERTICAL FLIGHT PATH



Summary of key risk areas

- Navigational/obstacle database
 - Management, display and interpretation of fixed and mobile obstacles
 - Managed, quality assured database
- Offset and MDH/A to suit obstacle environment / conditions
- Speed management throughout in all conditions
 - AFCS drop out
 - Engine failures
- Human Machine Interface and associated procedures

Conclusions and next steps

- Conclusions
 - Generally OEM procedures follow SOAP but variation does occur
 - Safety concerns remain, which stretch beyond offshore ops
- Next steps
 - Follow-up with OEMs to share outputs
 - Conduct detailed safety assessment to assist operational approval
 - Look toward in-service trials and development of GM/AMC

Any questions

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