Qualitative performance requirements to inform PPR 5 discussions on black carbon measurement¹:

- Precise for potential certification/evaluation of control measures
- Accurate, useful for developing BC inventories²
- Reliable/robust for typical marine engines and fuels
- Low system complexity
- Ease of use/practical
- Practical for measuring at the source:
 - o Test bed
 - o On-board
- Relevant international standard for marine engines
 - o Already exists
 - o Can be established or adapted
- Appropriate dynamic range
- Commercially available/viable
- Vetted and used by BC research community and marine industry
- [1] Not meant to be binding on future certification procedures or technologies.
- [2] Caveat: TOA as a reference method is questionable.

ICCT to develop detailed definitions.