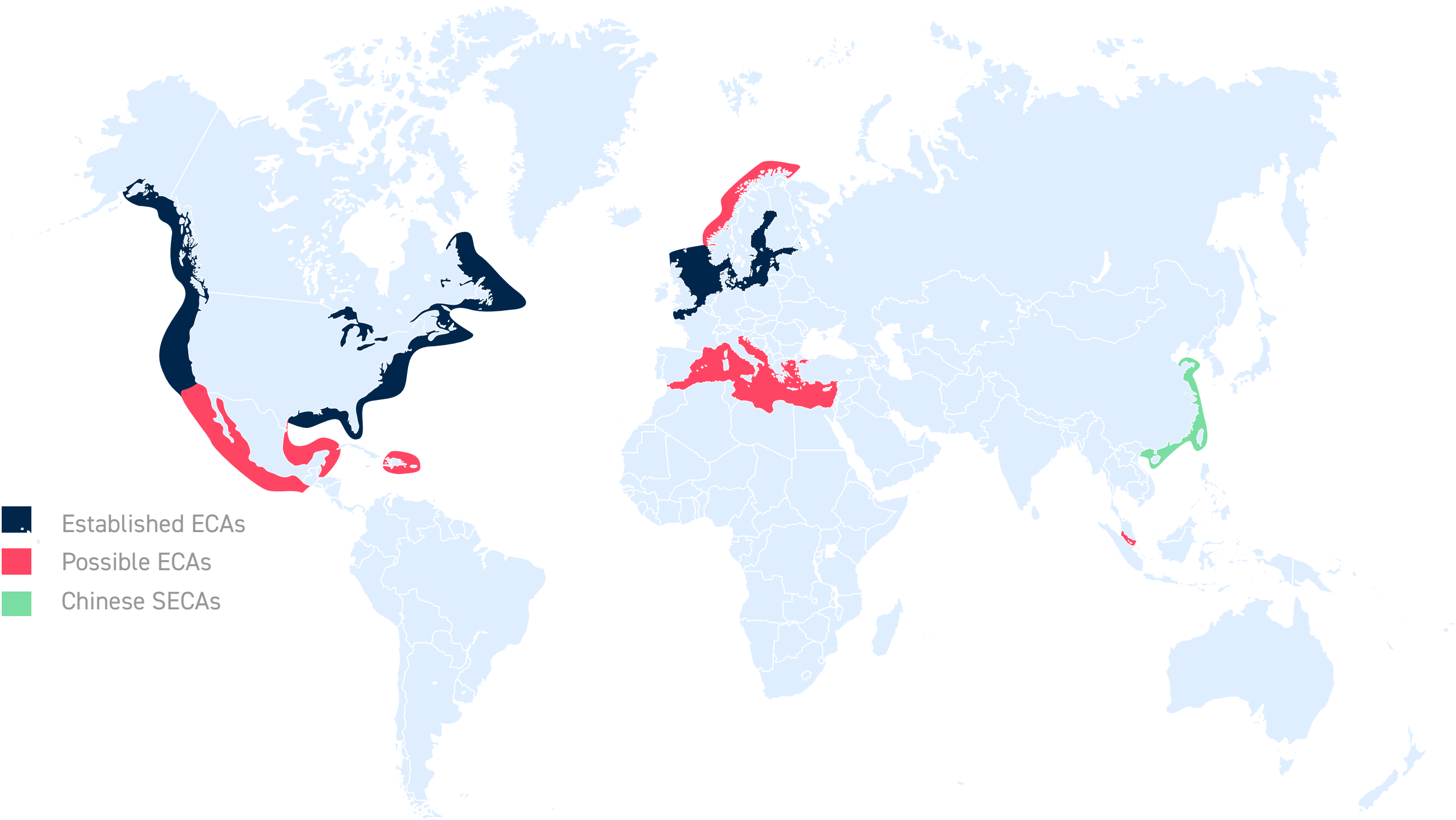


FIG.40

# MARINE FUEL SULPHUR SPECIFICATIONS

## SO<sub>2</sub> EMISSIONS CONTROL AREAS (SECAs)

Source: International Maritime Organization and Concawe



Since January 2015, all vessels in the Emission Controlled Area (ECA) of the Baltic Sea, North Sea, English Channel and waters 200 nautical miles from the coast of US and Canada, had to reduce their sulphur emissions to 0.1%. From 1 January 2019, vessels have been required to use fuel with a sulphur content not exceeding 0.50% while operating within the Coastal ECA, i.e. within China's territorial sea (including the Hainan Coastal ECA) as well as Hong Kong, Taiwan and Mainland China. From 1 January 2022, vessels must use fuel with a sulphur content not exceeding 0.10% while operating within the Hainan Coastal ECA.

Vessels are required to use either a distillate, an alternate fuel or install a scrubber that removes sulphur from the exhaust after combustion.