

ABSTRACT

The objective of the present invention is to provide an electric propulsion control system that has improved acceleration/deceleration and control performance and that
5 can be linked to an autonomous navigation system. The electric propulsion control system for a vessel, according to one embodiment of the present invention, may comprise: an acceleration/deceleration control unit which receives a speed command so as to control acceleration on the basis of
10 the power change rate of an engine of a vessel, and which limits a torque command value according to the speed command within a safety driving region so as control deceleration; and a regenerative energy control unit for estimating the generation amount of regenerative power on the basis of the
15 propeller speed of the vessel and a torque command generated by means of the acceleration/deceleration control unit, and controlling torque limitation of the acceleration/deceleration control unit such that the estimated generation amount of regenerative power is less
20 than or equal to the current load amount.

[Figure 1]