STEERING GEAR SYSTEM TRIALS

1. **(A) Ahead trials FU Bridge control**

Controller 1 Port pump	Controller 1 Stbd pump
Ships speed- Knots	Ships speed- Knots
Time 35^0 port to passing 30^0 stbd-	Time 35^0 port to passing 30^0 stbd-
Time 35^0 to stbd passing 30^0 port -	Time 35^0 to stbd passing 30^0 port –
Maximum rudder angle achieved-	Maximum rudder angle achieved-

Controller 2 Port pump	Controller 2 Stbd pump
Ships speed- 10 Knots	Ships speed- 10 Knots
Time 35^0 port to passing 30^0 stbd-	Time 35^0 port to passing 30^0 stbd-
Time 35^0 to stbd passing 30^0 port –	Time 35^0 to stbd passing 30^0 port –
Maximum rudder angle achieved-	Maximum rudder angle achieved-

With both pumps (Controller 1)	
Time 35^0 port to passing 30^0 stbd-	
Time 35^0 to stbd passing 30^0 port -	

With both pumps (Controller 2)	
Time 35^0 port to passing 30^0 stbd-	
Time 35^0 to stbd passing 30^0 port -	

(A) Ahead trials NFU Bridge control

Port pump selected	Stbd pump selected

Ships speed- Knots	Ships speed- Knots
Time 35^0 port to passing 30^0 stbd-	Time 35^0 port to passing 30^0 stbd-
Time 35^0 to stbd passing 30^0 port –	Time 35^0 to stbd passing 30^0 port –
Maximum rudder angle achieved-	Maximum rudder angle achieved- ^{0}

With both pumps (Controller 2)	
Time 35^0 port to passing 30^0 stbd-	
Time 35^0 to stbd passing 30^0 port -	

(B)   Ahead trials emergency hand pump (Ships speed 10 Knots)

Order Midship to 10 port (turns)	
Order 10 port to 10 stbd (turns)	
Order 10 stbd to 10 port (turns)	
Order 10 port Midship	

(D)   Ahead trials /ECP

Select port pump(controller 1)	
Operate rudder both side at 5 steps	
Select port pump(controller 2)	
Operate rudder both side at 5 steps	
Repeat above with stbd pump	
Select NFU at NFU box	
Operate rudder port and stbd in NFU mode	