

DATA FOR ESTIMATION FOR RRS PERFORMANCE

Ship Owner _____ Type of Ship _____

HULL DATA:

UDES	Ship design speed (or maximum speed)		UNITS:	knots	_____
U	Ship speeds for simulation:	Speed 1	knots	_____	
		Speed 2	knots	_____	
		Speed 3	knots	_____	
L	Length between perpendiculars		m	_____	
BEAM	Ship beam		m	_____	
BWL	Breadth at water line		m	_____	
BR	Bottom rise at midship		degrees	_____	
BK	Ship has bilge keels		(yes/no)	_____	
TF	Draught forward		m	_____	
TA	Draught Aft		m	_____	
DISP	Displacement		m ³	_____	
KG	Vertical center of gravity		m	_____	
GM	Metacentric height		m	_____	
TP	Ship's roll period (if available)		seconds	_____	
A0	Midship section area coefficient		-	_____	

Rudder Data:

NRUD	Number of rudders		-	_____	
AR	Rudder area per rudder		m ²	_____	
RR	Rudder rate:	One pump	deg/sec	_____	
		Two pumps	deg/sec	_____	
ARH	Horn area per rudder		m ²	_____	
RD	Rudder depth from water line		m	_____	
RH	Rudder height at stock		m	_____	
FR	High lift rudder type		(yes/no)	_____	
RS	Rudder in slip stream of propeller		(yes/no)	_____	

Propeller Data:

NP	Number of propellers		-	_____	
D	Propeller diameter		m	_____	

