

GENERAL FIXED SHIP PARAMETERS					
(Parametrii generali fixi ai navei)					
PARAMETER NAME (Denumirea parametrului)	FORMAT	UNIT	SOURCE		
Length over all (Lungimea totala)	xxx.x	m	Din documentele navei		
Beam (Latimea)	xx.x	m	Din documentele navei		
Draught (Pescajul)	x.x	m	Din documentele navei		
Propulsion configuration (Configuratia propulsiei)	text		Din documentele navei		
Propellor diameter (diametrul elicei)	x.x	m	Din documentele navei		
Gearbox ratio (Raport de demultiplicare reductor)	x.xxx	1:x.xxx	Din documentele navei		
Prop. Engine power (Puterea motorului de propulsie)	xxxx	kW	Din documentele navei		
Engine RPM max (Turatia maxima motor)	xxxx	rev./min	manual or ships documentname		
DYNAMIC MEASUREMENT PARAMETERS					
(Masuratorile parametrilor dinamici)					
PARAMETER NAME (Numele parametrului)	FORMAT	UNIT	SOURCE (Sursa)	PRECISION	REMARK OF ALTERNATIVE SOURCE (Sursa alternativa)
Liquid fuel consumption (LFC) (Consumul de combustibil)	x.x	L/h	CAN-bus (J1939)	0.05 L / bit	0x18FEF200
Actual engine torque (AET) (Incarcarea motorului)	xxxx	%	CAN-bus (J1939)	1% / bit	0x0CF00400
Reference torque (RET) (Cuplul motorului)	xxxx	Nm	De la fabricant/CAN-bus (J1939)	1 Nm / bit	0x18FEE300 (the reference torque could be derived from manufacturer or (not too often) from the J1939)
Engine speed (RPM) (Turatia motorului)	xxxx	rev./min	CAN-bus (J1939)	0.125 rpm	0x0CF00400
Actual draught (fwd) (Pescajul la final voiaj)	x.x	m	Manual la fiecare voiaj		
Actual draught (aft) (Pescajul la inceput voiaj)	x.x	m	Manual la fiecare voiaj		
Date (Data)	16.07.2015	dd/mm/yyyy	AIS sau CAN-bus		Real-time Clock (RTC) battery-backed
Time (Timpul)	13:21:35	hr:min:sec	AIS sau CAN-bus		idem
STW (Viteza navei fata de apa)	xx.x	knots	Transducer adancime NMEA 0183		
SOG (Viteza navei fata de pamant)	xx.x	knots	AIS sau de la antena GPS		SEMS GPS records this also
River flow velocity (Viteza curentului)	xx.x	knots	Poate fi calculat de la SOG si STW		
Lon (Longitudine)	xxx.xxx	deg.dec	AIS sau a alt instrument GPS		SEMS GPS records this also
Lat (Latitudine)	xxx.xxx	deg.dec	AIS or instrumentname		SEMS GPS records this also
Direction ( track angle ) (Directia de deplasare)	xxx	deg	Poate fi colectat de la transponderul AIS		--> is also an output of standard GPS data strings?
High engine coolant temperature (Temperatura maxima a lichidului de racire)	xxxx	°C	CAN-bus (J1939 )		
High engine exhaust temperature (Temperatura gazelor de evacuare)	xxxx	°C	CAN-bus (J1939 )		
Battery Voltage (Tensiunea bateriei)	xx	Volt	CAN-buc ( J1939 )		