

Ship	Position	Grade	Country	Name (ID)	Status
FRAMAX H0	CAP	1	BR	ZEONHE CARDOSA (980138)	Available
FRAMAX H0	ENA	1	BR	DAVE PETIL (120209)	Available
FRAMAX H8	CAP	1	BG	VESELIN NIKOLOV (180130)	Available
FRAMAX H8	ENA	1	BG	PETAR SPIROV (010147)	Available
FRAMAX H9	CAP	1	BG	ZHEVKO MITKOV (030140)	Available
FRAMAX H9	ENA	1	BG	IVAN STAVREV (030140)	Available
FRAMAX H9	CAP	1	BG	ANTON IVANOV (930288)	Available
FRAMAX H9	ENA	1	BG	MITKO KOSTADINOV (010019)	Available
FRAMAX T5	CAP	1	BR	LOWELL LALLAN (170850)	Available
FRAMAX T5	ENA	1	BR	BEDA H. (140696)	Available
FRAMAX T5	CAP	1	BR	ALVIN LAMPA (170351)	Available
FRAMAX T5	ENA	1	BR	ALEXE NUYLES (120150)	Available
FRAMAX T6	ENA	1	BR	SAMPSON RESUELLO (140350)	Available
FRAMAX T6	ENA	1	BR	LAURITO AGAWIN (910179)	Available
FRAMAX UA	CAP	1	BR	SANCHEZ	Available
FRAMAX UA	ENA	1	BR	ARTHUR PACIONE (140385)	Available
FRAMAX UA	ENA	1	BR	FRANCISCO MENDOZA (980218)	Available
FRAMAX UC	CAP	1	BG	SVETOSLAV KRASIMIROV (160179)	Available
FRAMAX UC	ENA	1	BG	GEORGI NEDELCHEV (930146)	Available
FRAMAX UC	ENA	1	BG	ZHELYD GEORGIEV (040087)	Available
FRAMAX UC	ENA	1	BG	VESELIN ALEKSANDROV (030185)	Available
FRAMAX LD	CAP	1	BR	GEORGIOS STAVROS (190147)	Available
FRAMAX LD	ENA	1	BR	GEORGIOS NIKOLAOS (140596)	Available
FRAMAX LD	ENA	1	BR	GEORGIOS PANAGIOTIS (120189)	Available

Dr. Dimitrios – Konstantinos Vasilakis, Marine Personnel Department

Making Crew Scheduling simple & smart



- on-going, live planning
 - over pools of seafarers of various nationalities, skills and profiles
- in order to cover the needs of
 - vessels of various types and segments operating under special conditions

Moving from papers and spreadsheets to...



- an on-line, web based, decision support tool which:
 - visualizes future scheduling plans, past & current assignments through a ‘Gantt-chart-like’ environment
 - provides users with all required information in order to create new plans or modify the existing
 - provides structured workflows for pre-embarkation processing including:
 - ticketing and travelling
 - certificate checking and flag endorsement issuance
 - allows monitoring of crew performance
- being SIMPLE & SMART

- decision support
 - click on a specific vessel position to get the best match from pool candidates
 - view seaman's Performance Report and trends
- business rules
 - run validations over plan, like:
 - specific business requirements (e.g. officers' matrix set by oil majors)
 - scheduled plans breaking seafarers' preference
- optimal schedule!
 - ask for 'Optimal Solution' for specific ranks / fleets
 - MILP optimization model
 - considering a set of technical and business constraints
 - using IBM ILOG CPLEX optimization technology
 - edit or reject part of the proposed solution and re-run



Lean & Integrated

- various users with different access profiles interact with the plan simultaneously
 - avoid conflicts by introducing ‘check-outs’ / ‘check-ins’ on rows or seafarers
 - inform users on plan updates as they work
- live information flows
 - seafarers’ availability, for those on leave, from the Seafarers Portal
 - seafarers’ preferred sign-off request, from e-forms on board
 - future schedules published to the seafarers through the Seafarers Portal
- structured workflows
 - initiate a ‘dispatch on-signer’ workflow and...
 - ... connect it with a specific ‘crew change’: *vessel X calls on 29/9 at Singapore*
 - check that each seafarer holds required documentation as per company’s and vessel’s matrix





Thank you!



SHIP	TYPE	STATUS	AGENT	CONTACT
FRAMAX HO	CAP	1	ANTON ZJANOV (13028)	ANTON ZJANOV (13028)
FRAMAX HO	ENA	1	ANTON ZJANOV (13028)	ANTON ZJANOV (13028)
FRAMAX HB	CAP	1	ANTON ZJANOV (13028)	ANTON ZJANOV (13028)
FRAMAX HB	ENA	1	ANTON ZJANOV (13028)	ANTON ZJANOV (13028)
FRAMAX HB	CAP	1	ANTON ZJANOV (13028)	ANTON ZJANOV (13028)
FRAMAX HB	ENA	1	ANTON ZJANOV (13028)	ANTON ZJANOV (13028)
FRAMAX TS	CAP	1	ANTON ZJANOV (13028)	ANTON ZJANOV (13028)
FRAMAX TS	ENA	1	ANTON ZJANOV (13028)	ANTON ZJANOV (13028)
FRAMAX TE	CAP	1	ANTON ZJANOV (13028)	ANTON ZJANOV (13028)
FRAMAX T6	ENA	1	ANTON ZJANOV (13028)	ANTON ZJANOV (13028)
FRAMAX UA	CAP	1	ANTON ZJANOV (13028)	ANTON ZJANOV (13028)
FRAMAX UA	ENA	1	ANTON ZJANOV (13028)	ANTON ZJANOV (13028)
FRAMAX UC	CAP	1	ANTON ZJANOV (13028)	ANTON ZJANOV (13028)
FRAMAX UC	ENA	1	ANTON ZJANOV (13028)	ANTON ZJANOV (13028)
FRAMAX UD	CAP	1	ANTON ZJANOV (13028)	ANTON ZJANOV (13028)
FRAMAX UD	ENA	1	ANTON ZJANOV (13028)	ANTON ZJANOV (13028)