

# State Coordination of Ballast Water Reporting

Presentation to the Pacific Ballast Water Group  
April 11, 2018 3:00 – 4:00 pm

Presented by



# Who is M Corp?



M Corp is the world's only outcome management company focused on how you select and execute strategic initiatives.



15 Years of government focused system delivery

- 200+ successful projects
- Over \$4B in total project value delivered
- Offices in Sacramento, Austin, Tallahassee



Systems-as-a-Service

- The next evolution for maximizing program outcomes



Worked with California State Lands Commission with Ballast Water and other land management applications for over a decade



Implemented the California State Lands Commission

- Marine Invasive Species Program web solution and database (MISP.IO)

# MISP.IO Case Study

## Industry Facing BW Reporting Management

**Industry can enter and manage their own BW Reports**

**Unprecedented access to all vessel reporting history**

**Data standards enforces at the time of entry**

## State Facing Report and Data Management

**Full control of report data**

**Data quality sooner – less rework and keying errors**

**More timely accountability**

**Full inspection management**

## Enhanced Program Efficiencies

**Inspection priorities preset based on vessel history**

**Staff approval of BW reports before entering database**

**Full view of vessel history**

**Operational reports**

## Full System Support Included

**M Corp handles all technology – no state IT needed**

**M Corp handles all maintenance and operations**

**M Corp works with subscribers on continuous improvement**

# Industry User Dashboard



MISP Application California State Lands Commission

Dashboard

Support

Account

Hello, Charles Czajkowski (chuckandmarsh@gmail.com)

## My Dashboard

### My Work

Form	Vessel	Arrival Port	Arrival Date	Status	Actions
BWMR	BARGE ALASKA (3982)	Hueneme	05/02/2017	Saved	<a href="#">✕</a>
BWMR	SLOW VESSEL (345678)	Carpinteria	02/28/2017	Saved	<a href="#">✕</a>
BWMR	BETA I (7404607)	Sacramento	06/04/2017	Saved	<a href="#">✕</a>

### My Vessels

Add to My Vessels

Vessel Name (IMO Number)	
BARGE ALASKA (3982)	<a href="#">✕</a>
SLOW VESSEL (345678)	<a href="#">✕</a>
GOLDEN RAY (7305734)	<a href="#">✕</a>
BETA I (7404607)	<a href="#">✕</a>
SAAMIS ADVENTURER (9126285)	<a href="#">✕</a>

# Access to Full Vessel History



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Vessel APL THAILAND (9077123)

New BWMR

New AVRF

## History

BWMRs

AVRFs



Open Port Calls

Inspected Port Calls

Vessel Details

Arrival Date	Arrival Port	Last Port	Next Port	Corrected	Actions
03/09/2018	Oakland	Los Angeles/Long Beach(USA)	Dutch Harbor(USA)		
01/27/2018	Oakland	Los Angeles/Long Beach(USA)	Dutch Harbor(USA)		
01/23/2018	Los Angeles/Long Beach	Busan (Pusan)(Korea)	Oakland(USA)		
11/06/2017	Oakland	Los Angeles/Long Beach(USA)	Yokohama(Japan)		
05/19/2017	Oakland	Los Angeles/Long Beach(USA)	Dutch Harbor(USA)		
04/07/2017	Oakland	Los Angeles/Long Beach(USA)	Dutch Harbor(USA)		
01/13/2017	Oakland	Los Angeles/Long Beach(USA)	Dutch Harbor(USA)		
12/02/2016	Oakland	Los Angeles/Long Beach(USA)	Dutch Harbor(USA)		
10/21/2016	Oakland	Los Angeles/Long Beach(USA)	Dutch Harbor(USA)		
10/18/2016	Los Angeles/Long Beach	Busan (Pusan)(Korea)	Oakland(USA)		
09/09/2016	Oakland	Los Angeles/Long Beach(USA)	Dutch Harbor(USA)		

# Guided Ballast Water Form Entry

 MISP Application California State Lands Commission

DashboardSupportAccount

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## Ballast Water Management Report

BETA I (7404607)

1 Vessel2 Voyage3 Ballast4 Tanks5 Certification6 Review

PrevNext

### Vessel Information

Vessel Name ⓘ  
BETA I

IMO or Official Number ⓘ  
7404607

Country of Registry ⓘ  
Panama

Owner/Operator ⓘ  
BRAVEHEART SHIPPING

If not on the list, please specify:  
Other Owner

Vessel Type ⓘ  
Bulk

Gross Tonnage ⓘ  
23705



Total Ballast Water Capacity ⓘ  
14327 m<sup>3</sup>

Number of Tanks ⓘ  
22

Onboard BW Management System ⓘ  
AMS-2013-Headway-OceanGuard-002

Save and Continue

# Easy Tank Event Entry and Review

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Hello, Charles Czajkowski (chuckandmarsh@gmail.com)

## Ballast Water Management Report

POLYNESIA (9516753)

1 Vessel2 Voyage3 Ballast4 Tanks5 Certification6 Review

PrevNext

### Ballast Tank Information

Add Tank

Tank: DB 4 P

Capacity: 489 M3  
BW management not conducted reason:

Add Event

Event	Date	Port/Location	Volume	
Discharge to US Waters	10/28/2017	Los Angeles/Long Beach	451 M3	
Flow-through exchange	10/21/2017	Start: 05 51.9N / 149 56.5W End: 06 42.4N / 149 00.3W	1650 M3	
Flow-through exchange	10/11/2017	Start: 15 34.9S / 172 33.2W End: 15 12.2S / 171 58.0W	1815 M3	
Source	10/07/2017	Suva	195 M3	

Tank: DB 4 S

Capacity: 489 M3

# State Approval of All Forms



## MISP Application California State Lands Commission

[Dashboard](#)[Approver](#)[Back to Ballast Water](#)[Communication](#)[User Maintenance](#)[Support](#)[Account](#)

Hello, Chuck Czajkowski (Chuckc@the-mcorp.com)


### Approver Dashboard

### Forms Submitted for Approval

<u>Form</u>	<u>Vessel</u>	<u>Arrival Port</u>	<u>Arrival Date</u>	<u>Status</u>	<u>Flags?</u>	<u>Submitted Date</u>
BWMR	GULF STREAM(9298662)	LA-LB	05/31/2017	Submitted for Review	Y	04/11/2018
AVRF	KAUAI(7802718)			Submitted for Review		10/27/2017
AVRF	CARNIVAL INSPIRATION(9087489)			Elevated		04/04/2018
AVRF	GULF RELIANCE(9398474)			Submitted for Review		09/29/2017
BWMR	RV Oceanus(7603617)	Carquinez	04/05/2018	Submitted for Review	Y	04/11/2018



# Back Office Vessel Schedule



**Ballast Water Management Database**

User: Chuck Czajkowski
408 BW Reports Need Attention
MISP
Log Off

Vessel Schedule
Browse Vessel
Working Inspections
Reports
Contacts
Entity Maintenance


Vessel Schedule For 04/10/2018
☐ NCFO
☐ SCFO
☒ Both

Berth
Port
Vessel
Time
Agent
Add
Cancel

Verify Arrivals
Select for Inspection
Print Inspection Forms
Print Schedule
Add New Vessel

	Port (Berth)	Vessel Name (Call Sign)	Arrival Time	Vessel Agent	Insp Priority	Insp Priority Descr	Inspection Status	Arrival Verified?	Actions
<input type="checkbox"/>	Richmond (RCH20)	SLAVYANKA (9HA4321)	1000	GENERAL STEAMSHIP CORP. U.S.A.	High	Vessel new to CA	Pending (Enrique Galeon)		
<input type="checkbox"/>	Los Angeles/Long Beach (ANC)	DHT REDWOOD (VRPV5)	1900	GAC	High	Vessel new to CA			
<input type="checkbox"/>	Stockton (5CK2)	FOOCHOW (9V2175)	0000	GENERAL STEAMSHIP CORP. U.S.A.	High	Vessel new to CA			
<input type="checkbox"/>	Los Angeles/Long Beach (189)	GULF JUMEIRAH (C6XK9)	1100	TRANSMARINE NAVIGATION	Medium	No Insp last 12 mo.			
<input type="checkbox"/>	Los Angeles/Long Beach (402)	MAERSK EDINBURGH (OXLT2)	0300	MAERSK	Medium	No Insp last 12 mo.	Pending (Alfonso Cornejo)		
<input type="checkbox"/>	San Francisco (ANC9)	ZAQ GALAXY (V7YK9)	0600	INCHCAPE SHIPPING	Medium	No Insp last 12 mo.			
<input type="checkbox"/>	Los Angeles/Long Beach (164)	YASA SEAGULL (V7TE4)	0900	TRANSMARINE NAVIGATION	Medium	No Insp last 12 mo.			
<input type="checkbox"/>	Los Angeles/Long Beach (212)	NYK LAURA (H9LL)	1400	NORTON LILLY INTERNATIONAL	Medium	No Insp last 12 mo.			
<input type="checkbox"/>	San Diego (24-5)	TAURUS LEADER (9V3259)	1800	PAXTON SHREVE & HAYS INC	Medium	No Insp last 12 mo.			
<input type="checkbox"/>	Los Angeles/Long Beach (ANC)	SILVER MUNA (VRP54)	0800	TRANSMARINE NAVIGATION	Medium	No Insp last 12 mo.			
<input type="checkbox"/>	Los Angeles/Long Beach (T134)	MSC MICHELA (CQID5)	0400	NORTON LILLY INTERNATIONAL	Low	No Insp last 3 mo.			
<input type="checkbox"/>	Los Angeles/Long Beach (144)	MOL BELLWETHER (VROG8)	1400	NORTON LILLY INTERNATIONAL	Low	No Insp last 3 mo.			
<input type="checkbox"/>	Los Angeles/Long Beach (A96)	DUESSELDORF EXPRESS (ZCEV4)	0600	NORTON LILLY INTERNATIONAL	Low	No Insp last 3 mo.			
<input type="checkbox"/>	Los Angeles/Long Beach (E26)	OOCL TAIPEI (VRNR6)	1515	OOCL (USA) INC.	Low	No Insp last 3 mo.			
<input type="checkbox"/>	Oakland (OAK32)	MOL CONTINUITY (3ESS2)	0400	NORTON LILLY INTERNATIONAL	Low	No Insp last 3 mo.			
<input type="checkbox"/>	Los Angeles/Long Beach (H4)	GRAND PRINCESS (ZCBU5)	0530	CARNIVAL CRUISE LINES	Low	No Insp last 3 mo.			

# Inspection Management



## Ballast Water Management Database

[Vessel Schedule](#)[Browse Vessel](#)[Working Inspections](#)[Reports](#)[Contacts](#)[Entity Maintenance](#)

### Update Inspection

Change Status To: ☐ Inspector ☐ Specialist ☒ Administrator ☐ Final

[Back to Working Inspections](#)

Arrival Date: 03/31/2018	Arrival Time: 1818	Inspection Date: 04/01/2018	Inspection Time: 1530
Location (Harbor or Port): Stockton		Berth: SCK10/11	
Vessel: WEST BAY		Call Sign: VRZP8	
IMO #: 9278868		Flag: Hong Kong	
Responsible Officer (PIC) First Name / Last Name: R. Velez Jr.		Voyage #: 0218	
Agent: TRANSMARINE NAVIGATION <span>All Agents</span>			
Owner: West Bay Shipping Ltd <span>All Owners</span>			
Operator: PACIFIC BASIN SHIPPING HK LTD <span>All Operators</span>			
Type: Bulk		Load/Discharge?: Discharge	
Cargo: Gypsum		Gross Tonnage: 30,061	
Last Port: San Marcos, Mexico		Next Port: San Francisco, USA	
BW on Board: 0 M3		# of Tanks in Ballast: 0	
Total BW Capacity (volume): 15,792 M3		Total # of BW Tanks: 11	
# of BW Pumps: 2	Pumping Rates: 200 M3 (x1) 950 M3 (x1)	Exchange Method: N/A	Exchange Duration (hr): 0
Inspector: Bartolome, Cesar		Travel Time: 115	Inspection Time: 75

Violations Noted:	<input type="checkbox"/>	BW Mgmt Plan on board & followed?	<input checked="" type="checkbox"/>			
Ballasting:	<input checked="" type="checkbox"/>	IMO BW Guidelines on board?	<input checked="" type="checkbox"/>			
Deballasting (this voyage):	<input type="checkbox"/>	No. underwent Alternative Method:	0			
No. of tanks to deballast:	0	Alt. Method used:	No			
Exchange conducted:	<input type="checkbox"/>	No. of tanks exchanged	0			
Access to Tanks?	Top Plate	Sound Tube	Vent	Ullage Trunk	Tap	Other
Below	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Above	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ambient Water Sample:						

# Can MISP Lead to BW State Coordination

## State BW Management

Each State controls their own data

Each State controls their own processes

State staff time used more efficiently

Enhanced reports and analytics

Take advantage of developed system and processes

## Coordination Opportunities

Endless opportunity to share data and analytics

Coordination of Vessel and Voyage Information

Coordinate cost sharing of system, maintenance and operations

Coordinate processes to support industry

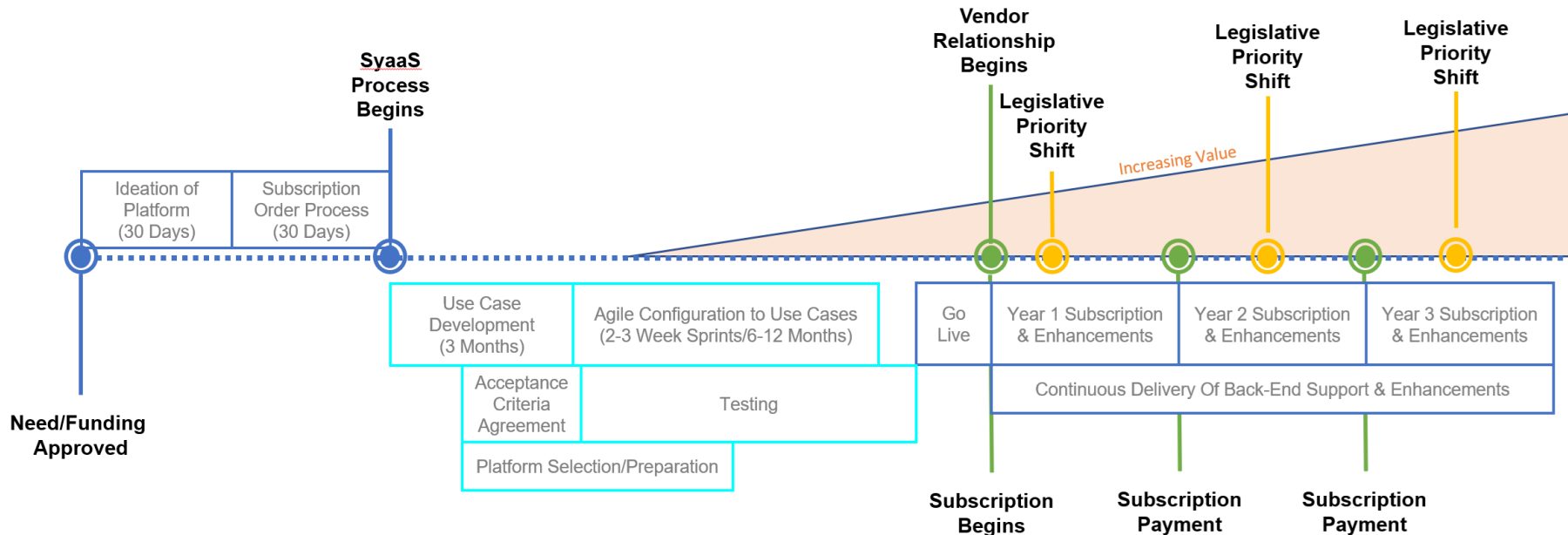
Potential for automated interfacing with others interested stakeholders

Potential coordination of data entry efforts

# How does System-as-a-Service Work?

## Acceleration @ Lower Risk

- ✓ Remove obstacles in the configuration process to focus on outcomes
- ✓ Accelerate go-to-production time and minimize disruption of changing agenda's, continuously enhance system to adjust to needs



# Questions?



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