Enabling Logistics Solutions

Journey Management Control Center

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OUTLINE

- Why Journey Management Control Center (JMCC)?
- What are the benefits?
- JMCC objectives
- How JMCC operate?
- How can you (HSE Manager) liaise with us (JMCC)
- Next steps (target to achieve)

Case for Change

Life Saving Rules violations percentage (January to November 2014, Data from MSE)

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Why Journey Management Control Center

- ✓ JMCC becomes eyes and ears for all PDO and PDO contractors' movements and journeys,
- ✓ In short period of time, after the establishment of JMCC we were in position to monitor drivers' behaviors and to identify non-compliances, (e.g. over speeding, seatbelt violation, etc.)
- ✓ Also we are in position to have data on PDO fleet utilization,
- ✓ In case of any emergency situation we can alert PDO and contractors (e.g. weather forecast changing, incidents, etc.),
- ✓ we can identify available capacities in particular area in case of needs,
- ✓ We support MVI investigation by providing historical data.

JMCC objectives

- ✓ To have a mechanism for fleet optimization and to work closely with JMs in order to reduce MVIs by changing driver behavior,
- ✓ To coach JMs in order to react on non-compliances,
- ✓ To establish reporting and analysis process to result with analytical capability in order to prevent human error and support decision making process.
- ✓ To have “pre-event acting”, online monitoring and correction, instead of after event reporting (e.g. weather, road, H2S release).

What are the benefits of JMCC?

- **SAFETY perspective:** JMCC prevents by real time identifying risky behaviors (such as over speeding (LSR), non-usage of seatbelt (LSR), harsh braking and harsh accelerating, driving without Journey Plan (LSR)).
- **OPERATIONS perspective:** fleet utilization, optimal explanation and decision making process will be evidence based from KPI's and reporting system.
- **INDUSTRY perspective:** to streamline some of the procedures in order to increase effectiveness and decrease additional costs. e.g. visibility of the fleet and to optimize reaction time for support of PDO operations.

How JMCC operate?

Control Tower - Orange wing Room 28, MAF

- ✓Journey Management Controller is monitoring vehicles movement and drivers behavior,
- ✓track journeys and highlights any abnormalities (e.g. dangerous route, etc.),
- ✓capture: over speeding, seatbelt usage, harsh braking, harsh accelerating, driving and rest hours,
- ✓Check does IVMS are working
- ✓In case of bad weather send warning info to journey managers
- ✓Follow up any night driving,
- ✓provides coaching and on-line instructions,
- ✓maintain Logs of events

IF NON-COMPLEINCE CALL

Company Journey Manager to check:

- ✓ If Journey Manager is aware of Non-Compliance, and did he take any action,
- ✓ If he is aware of hazards on the road,
- ✓ In case of activation of "panic button" check why alarm is announced and does JM took all required actions. Get updates on situation.
- ✓ In case of vehicle is in excessive idle in abnormal place did JM is aware and what action is taken,

Company JM: communicate with driver according to SP2000 requirements

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Results first few weeks after introduction

Results – Company 1

Results – Company 2

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Results after six months

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Results – Still double standards working for PDO and Non PDO

Seat Belt Violation Start
NON PDO Journey
20-Sep 2016

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Results – Still double standards working for PDO and Non PDO

✓Company is straggling to maintain some safety standards while in PDO journeys.
✓For Non PDO unsafe behavior even escalating

✓Company is meeting the level of same safety standard for PDO and Non PDO Journeys

Good Job

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We need your support and compliance in implementing Road Safety Consequence Matrix

SP2000: 2.2.2 Road Safety Consequence Matrix
PDO contractors must ensure that they have a similar consequence matrix which is in line with PDO Life Saving Rule

	First offence	Second offence	Third offence
Driving under the influence of drugs or alcohol	Summary dismissal	-	-
Driver or passengers without seatbelts	Final warning	Dismissal	-
Speeding in relation to speed limits	Final warning	Dismissal	-
Using GSM while driving, handheld or handsfree	Final warning	Dismissal	-
Not following journey plan rules	Warning letter	Final warning	Dismissal

We need your support and compliance

- ✓ **SP2000:** Article 3.1.6.5 *The systems are to be linked to the PDO Insight Browser system of the Contract Holder if requested by the Contract Holder or the Corporate MSE department*

- ✓ **PR1993:** Article 3.1.1,,*The Contract Holder can request that the contractor link their IVMS system with the PDO Insight Browser or equivalent, in order for the Contract Holder to have immediate visibility of the contractor IVMS drivers and fleet.*

Progress in received IVMS credentials

By today we received 113 IVMS credentials from PDO contractors which gives appx. 80% of companies comply so far.

We need your support and compliance – Cont'd

<u>We need from you to provides with:</u>

1. IVMS Credentials:

- link (access) to the contractors IVMS provider (all of them if they use service of more than one provider)
- user name and password.

2. With accurate data of:

Email to send your respond:
Jasmina.JJ.Jovanovic@pdo.co.om

Company	Journey Manager name	SJM Tanning expiration	Base location	GSM number	Land line number	Email address	IVMS provider

NEXT STEPS and TARGET TO ACHIEVE
SJM Proposed Solution for PDO - Outline

Based on ISO 39001 - *Road safety management system*

Select and Plan Journey

Safe Traveler
- Up to date compliance Driver data (licenses, DDT, trainings, Fitness to Work, etc.)
- Drivers record (merit of driver, risk etc.)
- Passenger information (could be taken from PDO employee data base, include guest)

Safe Vehicle
- Vehicle data (Vehicle license, RAS),
- Consolidated compliance data on Vehicle Pre Mobilization inspection and regular vehicle checks
- Pre-trip check list

Safe Route and Environment
- Repository of pre designed compliant routes with up to date route hazards repository
- Updated information on road works and closings of roads
- Geo-fences and restrictions
- Weather forecast information, etc.
- Input and update risks and hazards

- System generates Draft Journey Plan
- Plan is reviewed and confirmed by JM
- Short term scheduling and resource optimization
- Automated Journeys risk exposure (routine, non escalating / non routine and/or escalating) generated
- Selection of preferred routes
- Allocation of compliant resource (alerts on noncompliance)
- Documenting SJM and capturing data when SJM is not required
- Dynamic risk assessment

Execute and Monitor Journey

- Real time IVMS vehicle tracking and capturing HSSE non compliance
- Real time monitoring of compliance to SJM including control on following selected route
- Communication to the driver around any changes during the journey and if violation is observed in a timely manner.

Close out Journey and Review

- Update SJM Database in accordance to driver feedback
- Provide driver's Performance Overview (i.e. RAG report, etc.)
- Consider rewarding the best driver based on driver merit and apply consequence on LSR violations

Report and Evaluate

- Reporting on agreed KPIs
- Evaluation of resource performance

Using of IT and Mobile Apps

✓ Appropriate mobility applications and integration with SJM and IVMS solution

Integrated Journey Management Solution - Vision

Thank you for your attention!