





THE UNIVERSITY OF TEXAS AT EL PASO

Engine Logistics IE 4466

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PROBLEM / Abet 5

- Improve weekly scorecards metrics
- Maximize financial gain
- Improve the percentage on the metrics





DEFINE

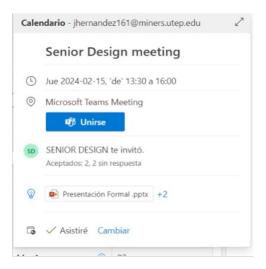


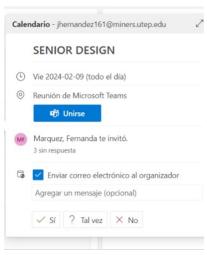


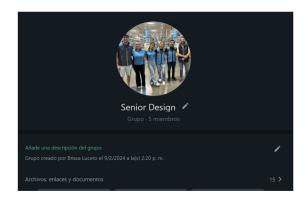


ABET 3

POINT OF CONTACT: Jose Garza - Chief Operating Officer









ABET 2



- Launch Team
- Establish Charter
- Plan Project
- Gather the Voice of the Customer
- Plan for Change



- **MEASURE**
- Document the Process
- Collect Baseline data
- Narrow project focus



ANALYZE

- Analyze Data
- Identify Root Cause
- Identify and Remove Wastes



IMPROVE

- Generate Solutions
- Evaluate Solutions
- Optimize Solutions
- Pilot
- Plan and implement





CONTROL

- Control the Process
- Validate project benefits



The operation process of the DSP (Delivery Service Provider)









Route



Types of Amazon DSP Delivery Vans







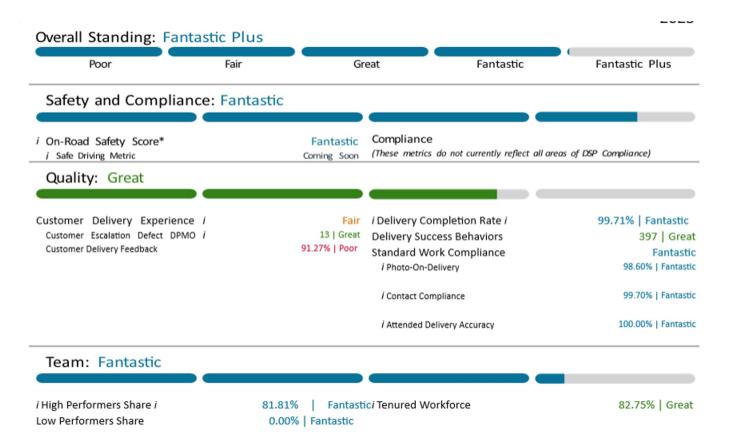


Week 1, 2023

Overall Standing: Fantastic **Fantastic Plus** Poor Fair Great **Fantastic** Safety and Compliance: Fantastic Compliance i On-Road Safety Score* Fantastic (These metrics do not currently reflect all areas of DSP Compliance) i Safe Driving Metric 828 | Fantastic Quality: Great Customer Delivery Experience i i Delivery Completion Rate i 99.23% | Fantastic Customer Escalation Defect DPMO i 12 | Great **Delivery Success Behaviors** 232 | Fantastic **Customer Delivery Feedback** 91.83% | Poor Standard Work Compliance **Fantastic** 98.76% | Fantastic i Photo-On-Delivery i Contact Compliance 98.32% | Great i Attended Delivery Accuracy 100.00% | Fantastic Team: Fantastic i High Performers Share i Fantastici Tenured Workforce 78.64% | Fair 82.29% Low Performers Share 0.00% | Fantastic



Week 39, 2023





MEASURE

Drivers ranked by overall score, descending.						Saf	ety - metrics (ex	cept FICO) are me	easured as event	s per trip at DA l	evel										
u	Name	Transporter ID	Overall Tier	Delivered	Key Focus Area	Fico Score	Seatbelt Off Rate	Speeding Event Rate	Distractions Rate	Following Distance Rate	Sign/Signal Violations Rate	CDF	CED	DCR	DSB	SWC-POD	SWC-CC	SWC-AD	DSB DNR	POD Opps.	CC Opps.
1	Colton Mundy	AZV002UK8QVUY	Fantastic	54		Coming Soon	Coming Soon	Coming Soon	Coming Soon	Coming Soon	Coming Soon	Coming Soon	0	100.0%	Coming Soon	100.0%	Coming Soon	Coming Soon	Coming Soon	43	0
2	Faith Tucker	A2RDG0R2ZWZ1J4	Fantastic	458		Coming Soon	0.0	0.0	0.0	0.0	0.0	100.0%	D	100.0%	D	100.0%	Coming Soon	D	0	265	0
3	mackenzie murdoch	AQHYUZHSRFYES	Fantastic	45		Coming Soon	Coming Soon	Coming Soon	Coming Soon	Coming Soon	Coming Soon	Coming Soon	0	100.0%	Coming Soon	100.0%	Coming Soon	Coming Soon	Coming Soon	37	0
4	Marina Howard	A1HFNFAYL3AALM	Fantastic	533		Coming Soon	0.0	0.0	0.0	0.0	0.0	100.0%	0	100.0%	0	100.0%	100.0%	D	0	332	20
5	Mauricio Garcia	A3KZC5QCLLIIAR	Fantastic	469	POD	Coming Soon	0.0	0.0	0.0	0.0	0.0	Coming Soon	D	100.0%	D	99.3%	Coming Soon	D	0	277	0
6	Alysa Lamberth	AMSILUYCYLSAJ	Fantastic	1283	POD	801	0.0	0.0	0.0	0.0	0.0	100.0%	0	100.0%	D	98.8%	100.0%	D	0	572	160
7	Steven Williams	A3LQEU454WFQMJ	Fantastic	67	POD	Coming Soon	Coming Soon	Coming Soon	Coming Soon	Coming Soon	Coming Soon	100.0%	0	100.0%	D	98.0%	100.0%	D	0	50	3
8	Jesse Garcia	A24QINM17Q10FH	Fantastic	367	DER	Coming Soon	0.0	0.0	0.0	0.0	0.0	100.0%	0	99.7%	D	99.6%	Coming Soon	D	0	234	0
9	Mikaela Applebury	A1Q50NHWTC74JW	Fantastic	1995	CDF	Coming Soon	0.0	0.0	0.0	0.0	0.0	99.1%	0	99.8%	D	99.8%	Coming Soon	D	0	1230	0
10	Diana Abad	AC9G2CVNGQ90G	Fantastic	1846	CDF	Coming Soon	0.0	0.0	0.0	0.0	0.0	99.0%	D	99.8%	0	99.9%	100.0%	D	0	1152	1
11	Ryan Woodward	A16H1IOC1EX72	Fantastic	905	CDF	Coming Soon	0.0	0.0	0.0	0.0	0.0	98.3%	0	100.0%	D	98.7%	100.0%	D	0	542	1
12	Carlos Rositas	A1HO81WOIU7KRK	Fantastic	1896	CDF	Coming Soon	0.0	0.0	0.0	0.0	0.0	97.9%	0	100.0%	D	99.5%	100.0%	D	0	807	8
13	Ray Barros	AZIYLQLWG258QQ	Fantastic	1971	CDF	Coming Soon	0.0	0.0	0.0	0.0	0.0	98.8%	D	99.8%	D	97.8%	100.0%	D	0	996	87
14	Emily Young	ACZSBT1KKDGIS	Fantastic	1383	CDF	Coming Soon	0.0	0.0	0.0	0.0	0.0	97.5%	D	100.0%	D	99.6%	Coming Soon	D	0	853	0
15	Dorien Shannon	AZP9CTH4RBV4CN	Fantastic	2019	CDF	Coming Soon	0.0	0.0	0.0	0.0	0.0	97.8%	D	99.9%	0	99.9%	100.0%	D	0	1239	2
16	Damien Clark	A1562OADT2OCO2	Fantastic	1711	CDF	Coming Soon	0.0	0.0	0.0	0.0	0.0	97.8%	D	100.0%	0	98.0%	100.0%	D	0	891	2
17	Ricardo Archaga	A3SGOF3S1IU62L	Fantastic	1897	CDF	Coming Soon	0.0	0.0	0.0	0.0	0.0	97.8%	0	99.8%	D	100.0%	Coming Soon	0	0	750	0
18	Isaac Mancias	A1O4YHLTCR28Y3	Fantastic	2285	SSVR	Coming Soon	0.0	0.0	0.0	0.0	0.3	98.9%	D	99.9%	D	99.5%	100.0%	D	0	1381	14
19	Rachel Gunn	A3QCOKE6EXUE2E	Fantastic	922	DER	Coming Soon	0.0	0.0	0.0	0.0	0.0	100.0%	D	99.1%	D	99.6%	100.0%	0	0	535	3
20	Marcos OrdonezAlvarado	A2IM8XF0OEJVJ7	Fantastic	184	DER	Coming Soon	0.0	0.0	0.0	0.0	0.0	Coming Soon	D	99.5%	0	99.2%	100.0%	D	0	127	11
21	Eduardo Garcia	AZEB1SMJTAZIGR	Fantastic	1296	CDF	Coming Soon	0.0	0.2	0.0	0.0	0.0	98.3%	D	100.0%	D	98.7%	100.0%	D	0	750	1
22	Oscar MorenoGarcia	A3KSDRA8PY5ST3	Fantastic	1967	CDF	Coming Soon	0.0	0.0	0.0	0.4	0.0	97.8%	D	100.0%	D	99.8%	100.0%	D	0	1225	3
23	Landon Pederson	A3RYN97IVDBERJ	Fantastic	1513	CDF	Coming Soon	0.0	0.0	0.0	0.0	0.0	96.8%	D	99.9%	D	99.3%	Coming Soon	D	0	846	0



ANALYZE / Abet 5

Weeks Focus Area Safety	Focus Area Quality	Focus Area Team	Performance *
1 Safe Driving Metric	Customer Delivery Feedback	Tenured Workforce	Fantastic
	Delivery Completion Rate		
	Delivery Success Behaviors		
	Contact Compliance		
2	Customer Delivery Experience	Tenured Workforce	Fantastic
	Customer Delivery Feedback		
	Delivery Completion Rate		
	Delivery Success Behaviors		
	Contact Compliance		
3 Safe Driving Metric	Customer Delivery Experience	Tenured Workforce	Fantastic
	Customer Delivery Feedback		
	Delivery Completion Rate		
	Delivery Success Behaviors		
	Contact Compliance		
4 Distractions Rate Followin	Customer Delivery Experience	Tenured Workforce	Fantastic
Distance	Customer Delivery Feedback		
	Delivery Success Behaviors		
	Contact Compliance		

Annual Financial Analysis

Incentive	Weeks 🔻	\$ per E	Deliv 🔽	Ear	nings 🕝	Annual Percentage	~
Fantastic plus	31	\$	0.15	\$	375,576.92		59.6%
Fantastic	21	\$	0.07	\$	118,730.77		40.4%
		Annual	l	\$	494,307.69		
Deliver/ year	4200000						
Deliver/ Week	80769.2			\$	494,307.69		



Safety	~	Weeks	_	Percentage ~
Safe Driving Metric			5	9.62
Distractions Rate Following			8	15.38
Distance			1	1.92
Following Distance Rate			5	9.62
Speeding Event Rate			5	9.62
Working Hour Compliance			6	11.54
	_			
Quality	7	Weeks	▼	Percentage 💌
Customer Delivery Experience	e		47	90.38
Customer Delivery Feedback			48	92.31
Customer Escalation Defect			25	48.08
Delivery Completion Rate			8	15.38
Delivery Success Behaviors			11	21.15
Contact Compliance			41	78.85
Standard Work Compliance			8	15.38
Delivery and Received			12	23.08
Attended Delivery Accuracy.			2	3.85
	_			
Team	7	Weeks	~	Pecentage 💌
Tenured Workforce			46	88.46
High Performance Share			12	23.08



Potential Solutions / ABET 7

Safety	¥	Weeks	¥	Percentage	¥
Distractions Rate Following			8	15.	38
Quality	¥	Weeks	¥	Percentage	¥
Customer Delivery Experience	е		47	90.	38
Customer Delivery Feedback			48	92.	31
Customer Escalation Defect			25	48.	.08
Contact Compliance			41	78.	85
Team	¥	Weeks	¥	Pecentage	¥
Tenured Workforce			46	88.	46

- Training for drivers in Safety and Quality (Distractions, Delivery Experience, Contact Compliance)
- PPE Requirement
- Bonuses for drivers (Most Contact with Customer, Quality of Delivery)
- Decrease the rotations of drivers (Stay with the drivers with most experience)



Earnings Projection

Incentive	▼ Weeks	\$ per Deliv	_	Earni	ngs	- Annual %	~
Fantastic plus	31	. \$	0.15	\$	375,576.92		59.6%
Fantastic	21	. \$	0.07	\$	118,730.77	,	40.4%
		Annual		\$	494,307.69		

Incentive -	Weeks	\$ per Deliv	ery 🔽	Earni	ings	- Annual %	-
Fantastic Plus	39	\$	0.15	\$	472,500.00		75%
Fantastic	13	\$	0.07	\$	73,500.00		25%
		Annual Tota	al	\$	546,000.00		

