



S&M Motorcoach NEWS

IN THE BUS INDUSTRY

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Today's Agenda

1—Welcome & Intro

Larry Killingsworth

2—Motorcoach Minute

Featuring Kevin Creighton

3—UMA Legislative Update

Ken Presley

4—Making Sure Your Tires Are Ready to Roll

Luke Loy, FMCSA

5—UMA Membership Features

Larry Killingsworth, Bethany Schubert and Trisha Fridrich

6—Overdrive



Assistance for
American Workers
& FamiliesAssistance for
Small BusinessAssistance for
State, Local,
and Tribal
GovernmentsPreserving Jobs
for American
IndustryEmergency Rental
Assistance
ProgramEmergency Capital
Investment
ProgramCoronavirus
Economic Relief
for Transportation
Services Program

Coronavirus Economic Relief for Transportation Services Program

The Coronavirus Economic Relief for Transportation Services (CERTS) Program is providing eligible transportation service companies with resources to help to maintain payroll, hire back employees who may have been laid off, and cover applicable overhead and operational expenses.

Established by the Consolidated Appropriations Act, 2021, the Coronavirus Economic Relief for Transportation Services (CERTS) Program was created to support transportation service providers affected by the COVID-19 pandemic, including motorcoach, school bus, passenger vessel, and pilot vessel companies.

Under the program, Treasury will provide up to \$2 billion in grants to eligible companies that certify they have experienced an annual revenue loss of 25 percent or more as a direct or indirect result of COVID-19. CERTS grant funds are primarily to cover payroll costs, but may also be used to cover the acquisition of services, equipment, including PPE and protection measures from COVID-19 for workers and customers; continued operations and maintenance of existing equipment and facilities; rent, leases, insurance, and interest on regular debt service.

PROGRAM INFORMATION AND APPLICATION PROCEDURES

Treasury will post program guidelines, applications procedures, and other materials on this website, and open the CERTS application portal to begin accepting applications in the future. Please check this site regularly for updates.

<https://home.treasury.gov/policy-issues/cares/preserving-jobs-for-american-industry/certs>

CERTS Act

Have your income statements ready (2019 and 2020).

Payroll information (2019 and 2020).

Total of any previous aid (PPP, EIDL, MSLP, grants, etc.)

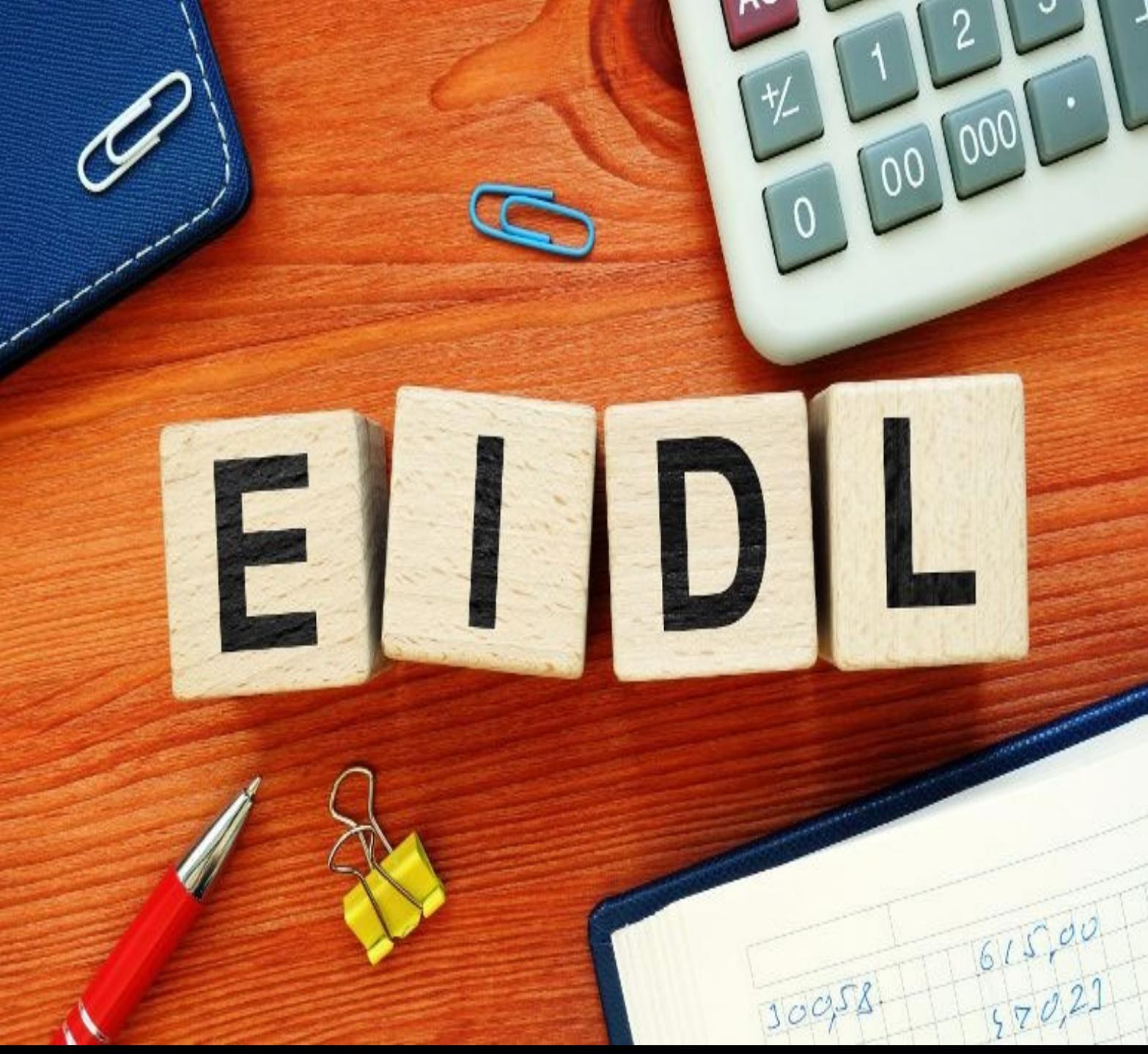
SBA Paycheck Protection Program

Extending the filing deadline for submitting applications by 60 days.

Additional 30 days to process applications submitted by May 31.

Approximately \$79 billion remains.

190,000 pending applications.



Economic Injury Disaster Loan

24-months of economic injury with a maximum loan amount of \$500,000.

SBA will reach out directly via email and provide more details about how businesses can request an increase

April 6th

SBA deferring periods for all disaster loans, including COVID-19 EIDLs, until 2022



Infrastructure bill



Surface Transportation reauthorization bill

President Biden Proposal: American Jobs Plan

\$2.3 trillion over 10 years paid for with 15 years of corporate tax increases

\$932 billion total spending for infrastructure

\$571 billion for transportation (on TOP of assumption of separate FAST Act reauthorization at current funding levels for highways, transit and rail) :

- \$115 billion for roads, highways, and bridges**
- \$20 billion for road safety**
- \$85 billion for public transit**
- \$80 billion for Amtrak and freight rail service**
- \$160 billion plus \$14 billion in tax incentives for electrification of transit, school bus and federal fleets plus charging infrastructure**
- \$25 billion for airports**

Biden Infrastructure Proposal - continued

- **\$17 billion – inland waterways, ports and public ferries**
- **\$25 billion – new program to address historic inequities/racial equity/environmental justice**
- **\$44 billion – projects of regional and national significance**
- **\$361 billion – non-transportation infrastructure:**
\$111 billion – drinking water and wastewater
\$100 billion – broadband
\$100 billion – cleaner power
\$50 billion – resiliency upgrades to all

Biden Infrastructure Proposal (continued)

- **\$1.3 trillion Other Investments:**
- **\$360 billion – construction and renovation for affordable housing, public schools, community colleges, child care facilities and VA hospitals**
 - \$180 billion – research and development**
 - \$300 billion – manufacturing and small business**
 - \$100 billion – workforce development**
 - \$400 billion – community caregiver jobs**

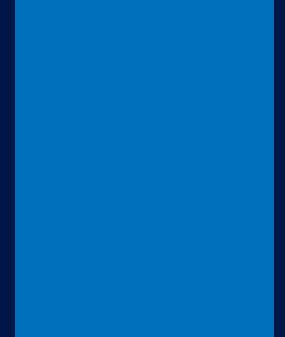
Motorcoach – Tire and Weight Issues

April 1, 2021

UMA Town Hall



U.S. Department of Transportation
Federal Motor Carrier Safety Administration



2012 Litchfield IL. Motorcoach Accident Left Steer Tire



2012 Litchfield IL. Motorcoach Accident

Right Steer Tire



Motorcoach Safety Advisory Bulletin

August 2012

Result of Summer motorcoach tire incidents

- Extreme summer heat
 - Pavement temperatures 50-90 F hotter
- Tire pressure maintenance issues
- Heavy passenger/cargo loads
- Leads to potential violation of tire load carrying capacity

Advisory Informs industry of FMCSA concerns

*** Re-issued Alert in July 2013***

Tires are put together with heat and pressure and they will come apart the same way.

Air is what carries the load

Motorcoach

Tire spec

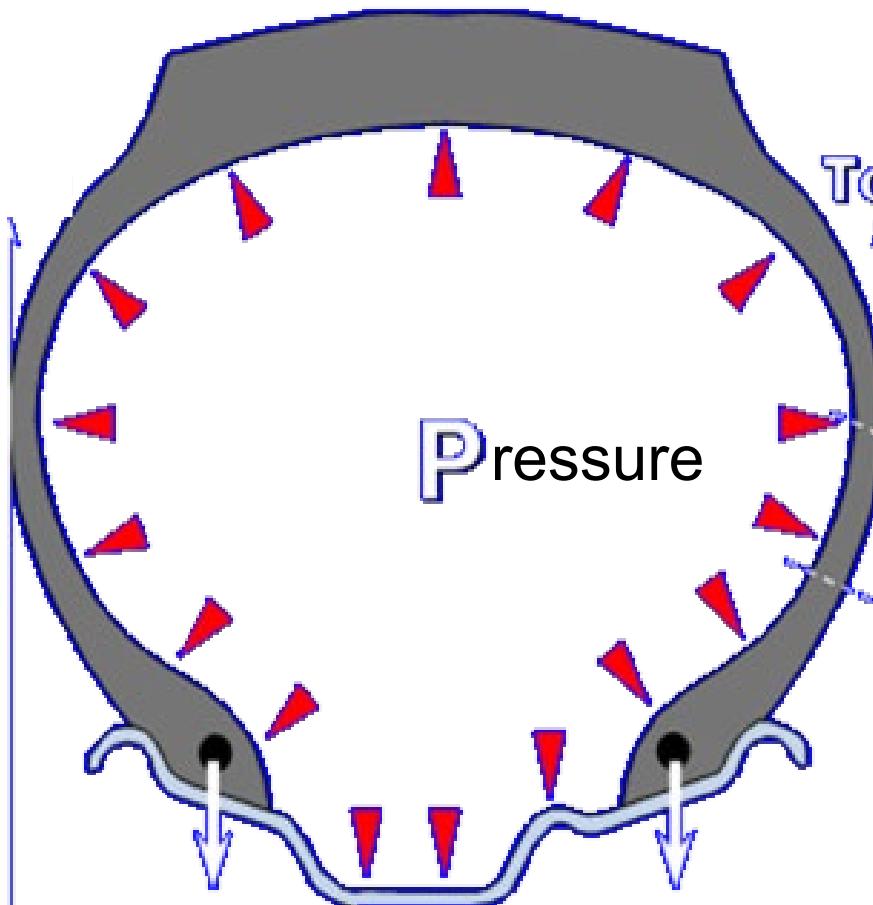
130 psi

**Typical
truck tire
spec**

100 PSI

**Typical car
tire spec**

35 PSI



**Tire air
pressure
specification
based on
worst case
load
scenario**

Air Pressure & Temperature

- Bus & Truck Tires
 - Every 10 F = 2 PSI
 - At 70 F, Tire Pressure = 100 PSI
 - At 20 F, Tire Pressure = 90 PSI

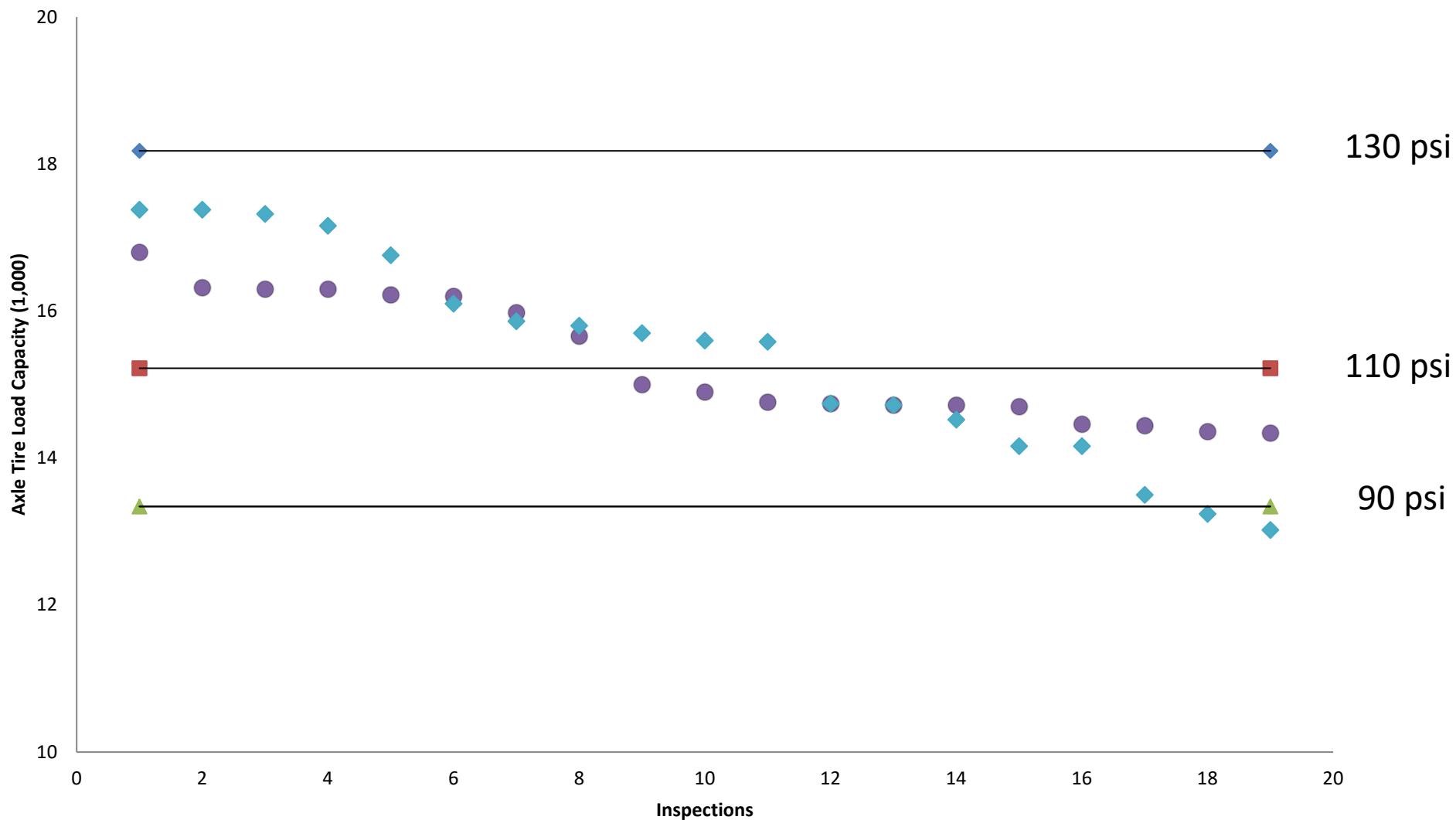
Air Pressure & Speed

- Hotter the tire, the higher the air pressure
 - Steady State
- Truck Tire Example:
 - 100 PSI at 70 F
 - After Driving 65 mph for 20 minutes
 - 115 PSI (at 70 F)
 - After Driving 70 mph for 20 minutes
 - 120 PSI (at 70 F)

Motorcoach Strike Force (September 2012)

- Several states weighed passenger loaded motorcoaches
- Tire load carrying capacity issues
 - Minimal safety margin, some axles overloaded
 - Steer axle worst offender
 - Even with less than full passenger load
 - Both single deck and double deck affected
 - Steer and tag axle most significant concern

Motorcoach Steer Axle



49 CFR 567 – and creates a “design” problem

- Defines “Gross Vehicle Weight Rating” or “GVWR” followed by the appropriate value in pounds, which shall not be less than the sum of the unloaded vehicle weight, rated cargo load, and 150 pounds times the number of the vehicle's designated seating positions.

Tires

- Tire Capacity
- Tires need to be designed into the motorcoach
- Work with manufacturers to build what you need.
- 49 CFR 567 GVWR – 150# per passenger
 - Minimum acceptable
 - Not realistic

Why Do Tires Lose Air?

- Osmosis through the tire casing
 - (1-4 psi per month) depends on various factors
- Tread Punctures
- Sidewall damage
- Leaking valve stems (* Note should use good quality O-ring style caps)

Most Common tire Pressure Gauge



Stick Gauge



Stick style Gauge

- Not very good
- +/- 3 percent is the magic number when the gauge is brand new
- Drop it a few times and the gauge accuracy drops significantly
- Temperature affects accuracy
 - Metal spring property changes (spring constant)

Are Digital or Dial-Type More Accurate vs Stick Gauges?



- Heavy duty dial tire pressure gauge with hose
- Dial: 2"
- Steel case and ring, acrylic window, heavy duty zinc alloy dual chuck, pressure holding-bleeding button, flexible hose
- Range: 0-60psi, 0-75psi, 0-100psi, available for bar, kg/cm², kpa etc
- **Accuracy: ANSI B40.1 Grade B**
- Rubber gauge protector for option

(DON'T RELY ON HARBOR FREIGHT QUALITY GAUGES)

Pressure Gauge Accuracy

- How do many tire dealers & fleets check for pressure gauge accuracy?
 - Comparative gauge test
 - 3 gauges checked against each other, if 2 are close and the 3rd is different, throw the 3rd gauge away
 - Check versus a master gauge

Tire Pressure Monitoring Systems (TPMS)

- Do you have it?
- Warning set points?
- Does warning tolerance put vehicle over load capacity?
- What do you do with data – telematics?
- Documenting “saves” “alerts” “resolution”

How do you determine what it does for you?

Previous FMCSA Tire Pressure Monitoring System (TPMS) work

- FMCSA (MC-PSV) has conducted research on tire pressure monitoring systems (3)
- Motorcoach and tractor – semitrailer
- Systems (can?)work well, accurate to 2-3 psi
- A bunch of vendors
- Systems have supposedly gotten much better

Other passenger carrier tire issues -

- Shuttle buses
- Mini-buses
- Lots of passengers
 - Tire appropriately



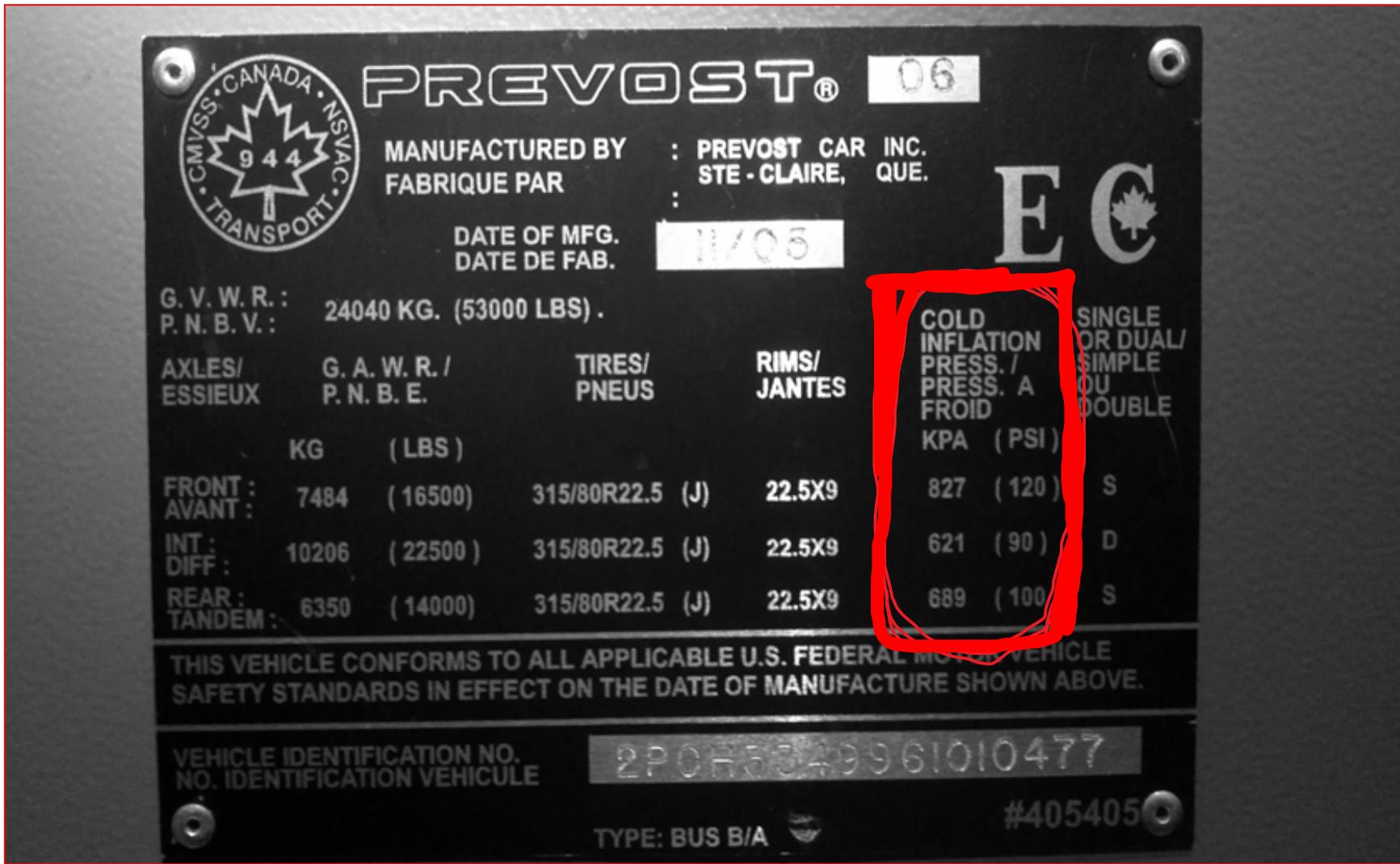
Recommendations for Industry

- Tire Management (plan)
- Pressure management, tread depth management, alignment/toe issues
- Don't wait for regulation
- Lead by example.
- If you don't fix it, we'll be pressured to regulate it.
- Safety is “our only business”

FMCSA Challenges you:

- Carriers – evaluate your tire maintenance program
- Motorcoach Mfrs – work with tire mfrs to develop adequate tires
- Tire mfrs – “help” the carriers develop good tire maintenance programs
 - As simple as wall charts and tire pressure gauges
 - As complex as TPMS, telematics
 - Identify who is responsible for checking
 - Oversight

Tire Information Label



Mfd by VAN HOOL N.V. Lier 2500 BELGIUM

Month / Year of construction: 04/13

GVWR: 62.000 Lbs

	GAWR	TIRE SIZE LOAD RANGE	RIM SIZE	COLD INFLATION PRESSURE
Front	18.180 Lbs	315/80R22.5 - L	22.5 x 9.00	130 Psi (Single)
First intermediate	27.575 Lbs	315/80R22.5 - L	22.5 x 9.00	130 Psi (Dual)
Rear	19.840 Lbs	315/80R22.5 - L	22.5 x 9.00	130 Psi (Single)

This vehicle conforms to all applicable U.S. Federal Motor Vehicle Safety Standards in effect on the date of manufacture shown above.

GVWR and GAWR are based on ORIGINAL equipment. Any change may affect vehicle capacities. See Owner's Manual for other tire and capacity information.

Vehicle identification number : -YE2DH23B8E2042646-

Classification : BUS

PRODUCTION NUMBER

N°

42646

So.....what's changed in last 5 years

- Tires better
 - 315 80R 22.5 mfr tires have been uprated from 9090 lbs at 130 psi
 - More use of 365 70 R 22.5 tires on front steer axle
- TPMS better ?
- Telematics - TPMS
- Post Covid Concerns
 - Reduction in “trained” personnel
 - Loss of maintenance personnel
 - Re-evaluate tire management plan before really get rolling again
- GOALS – Zero is the goal!

Contact Information

Federal Motor Carrier Safety Administration
Office of Policy
1200 New Jersey Avenue, SE
Washington, DC 20590

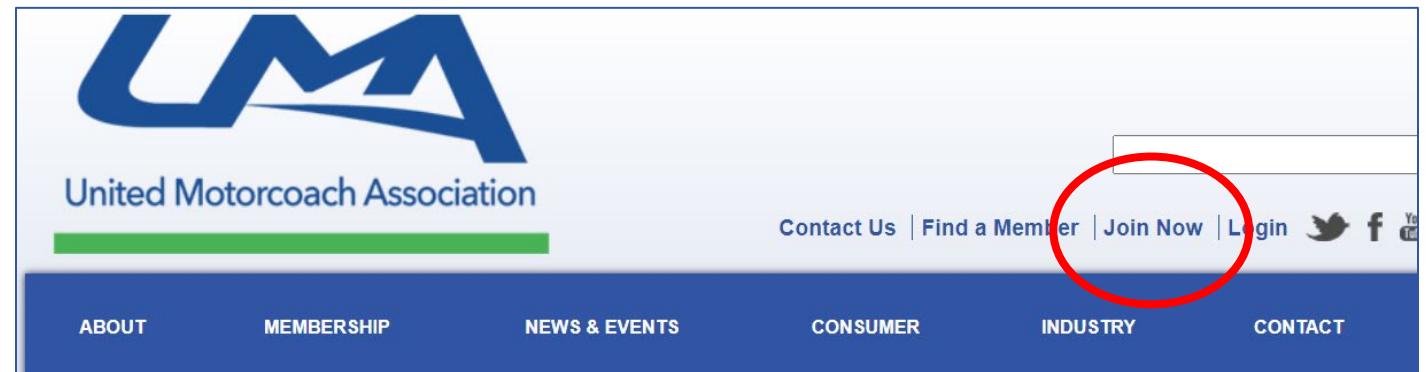
<https://www.fmcsa.dot.gov>

Luke.Loy@dot.gov



Renew Your 2021 UMA Membership

- Go to UMA.org
- Click Join Now



- Scroll to the Bottom
- Select your Membership Type
- Click NEXT





Renew Your 2021 UMA Membership

- Answer questions about your Company
- Questions with * are required
- Click NEXT

Information

Company Name *

What email would you like published in the directory as your main company email?

Company Email *

Please answer some brief questions about your company:

What services does your company offer? *

Is this company a sole proprietorship or partnership? *

Yes

No

Do you offer services to operators?

Services Offered

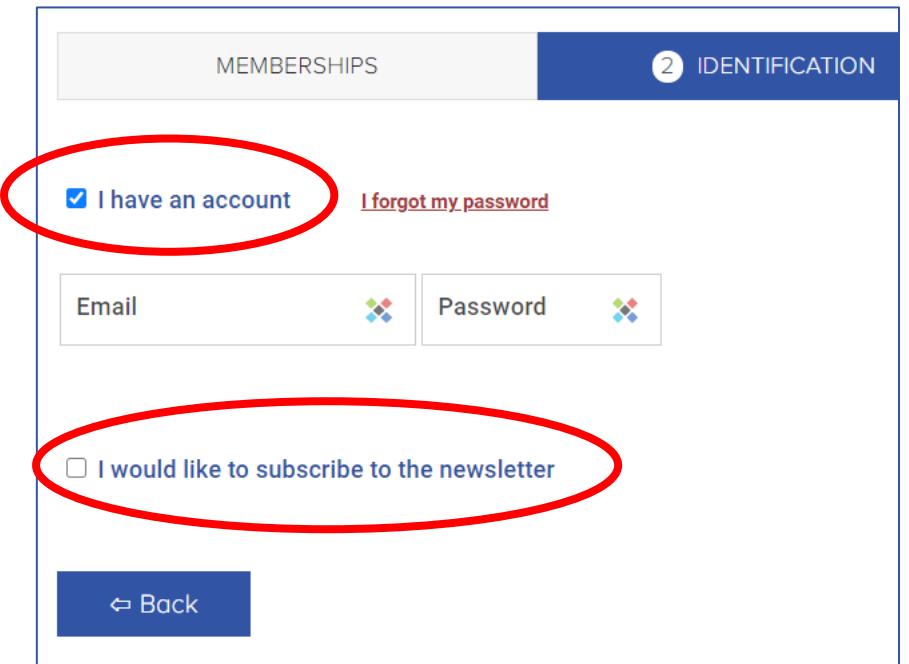
24 Hour Emergency Number



Renew Your 2021 UMA Membership

If you received an email that your membership expired:

- CHECK “I have an account”
- Enter your email
- Enter a new password for your account
- CHECK if you would like to receive emails
- Click NEXT

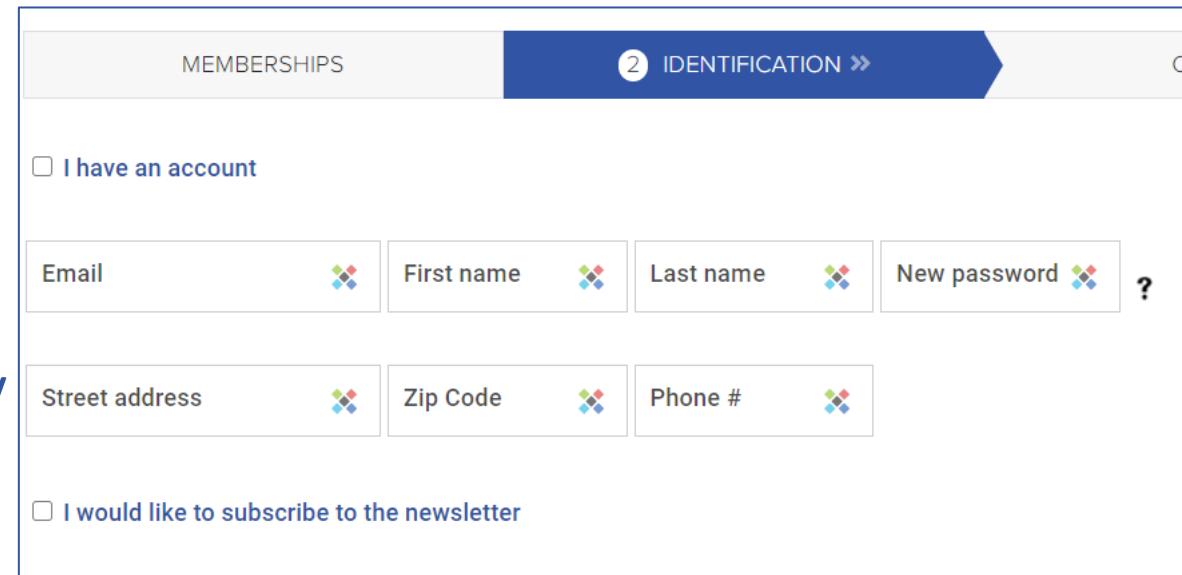
A screenshot of a web page for renewing a UMA membership. The page has a header with 'MEMBERSHIPS' and 'IDENTIFICATION' tabs. The 'IDENTIFICATION' tab is active and shows the number '2'. Below the tabs, there are two input fields: 'Email' and 'Password', each with a small icon. Above these fields, a checkbox labeled 'I have an account' is checked and circled in red. To the right of this checkbox is a link 'I forgot my password'. Below the input fields, there is another checkbox labeled 'I would like to subscribe to the newsletter', which is not checked and is circled in red. At the bottom of the form is a blue 'Back' button.



Renew Your 2021 UMA Membership

If you do not already have an account:

- Enter your email and name
- Enter a new password for your account
- Enter the primary address for your company
- CHECK if you would like to receive emails
- Click NEXT

A screenshot of a web form for renewing a UMA membership. The top navigation bar has 'MEMBERSHIPS' and '2 IDENTIFICATION >'. The main form area contains fields for 'Email', 'First name', 'Last name', 'New password', 'Street address', 'Zip Code', and 'Phone #'. Each field has a small 'x' icon to its right. Below these fields is a checkbox for 'I have an account' and another for 'I would like to subscribe to the newsletter'. A question mark icon is located to the right of the 'New password' field.



Renew Your 2021 UMA Membership

- Acknowledge the terms and conditions
- Click NEXT

MEMBERSHIPS	IDENTIFICATION	3 CONFIRM ➞
<p>You have selected the following items:</p> <p>1 x Vendor (\$712.50) X</p> <p><i>Application for membership in United Motorcoach Association shall be forwarded to the President/CEO at United Motorcoach Association headquarters. The application may be accepted for membership upon approval by the Board of Directors at the President/CEO's recommendation.</i></p> <p><i>The period of UMA membership is 12 months, commencing from the actual date of acceptance in the Association and payment of dues. Once</i></p>		

I have read and agree with the terms and conditions



Renew Your 2021 UMA Membership

- Choose your Payment Terms
 1. One-Time Credit Card Payment (5% off!)
 2. Monthly Credit Card Payments
 3. Mail One-Time Check Payment to UMA
- Enter your Payment Info
- Click Checkout!

Payment to United Motorcoach Association **\$712.50**

Choose your payment option

1 Payment  **\$712.50**

12 Monthly Payments  **62.50**

Check or cash  **\$712.50**

Credit card information

Card holder's name

Visa

Zip Code

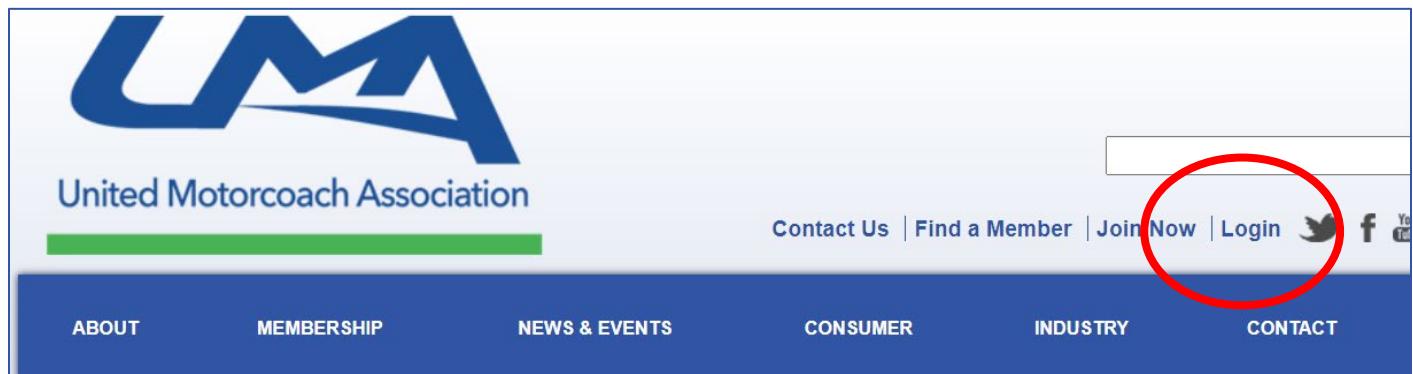
Back 

Checkout



- Go to UMA.org
- Click Login
- Login with your email and password

Update your Member Profile



Welcome to the United Motorcoach Association
members portal

IDENTIFICATION

Email	<input type="text"/>
Password	<input type="password"/>

SIGN IN

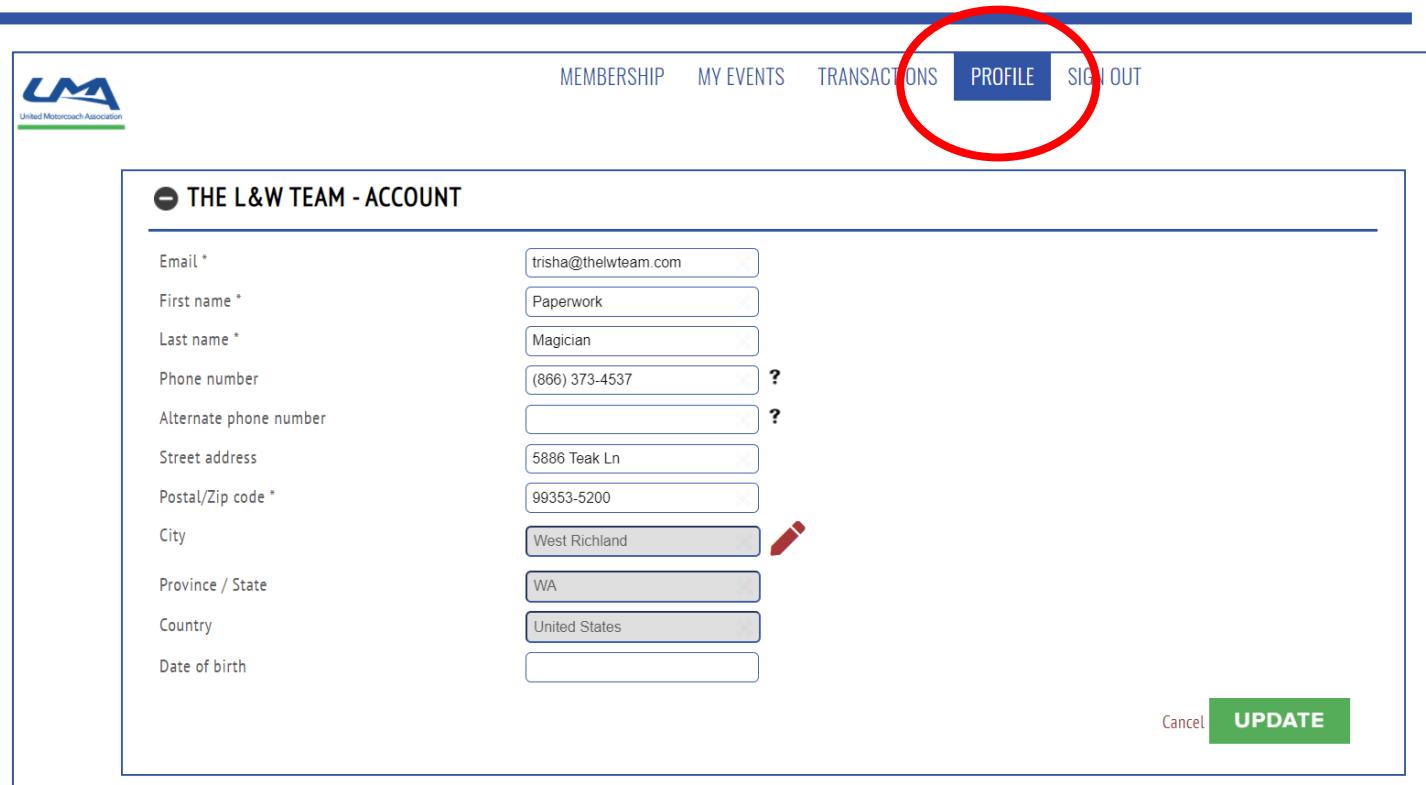
Click [here](#) if you forgot your password



United Motorcoach Association

- Be sure to keep your information up to date!
- The first section is the company contact information
- The next section is about your services
- List each of your additional addresses on a separate line

Update your Member Profile



The screenshot shows the UMA Member Profile update page. At the top, there is a navigation bar with links for MEMBERSHIP, MY EVENTS, TRANSACTIONS, PROFILE (which is highlighted with a red circle), and SIGN OUT. Below the navigation bar, the page title is "THE L&W TEAM - ACCOUNT". The form contains the following fields and their values:

Email *	trisha@thelwteam.com
First name *	Paperwork
Last name *	Magician
Phone number	(866) 373-4537
Alternate phone number	
Street address	5886 Teak Ln
Postal/Zip code *	99353-5200
City	West Richland
Province / State	WA
Country	United States
Date of birth	

At the bottom right of the form, there are "Cancel" and "UPDATE" buttons. A red pencil icon is positioned next to the "City" field.



Add Employee Members

All employees of UMA Member Companies are eligible for member benefits. To add employees:

- Login to your Member Profile
- Click Membership at the top
- Scroll down to Members
- Click Add Member
- Enter their information
- Click Confirm

The employee will receive an email with information to login to their account.

The screenshot shows the UMA Member Profile interface. At the top, there is a navigation bar with the UMA logo and links for 'MEMBERSHIP', 'MY EVENTS', and 'TRANSACTIONS'. The 'MEMBERSHIP' link is highlighted with a red circle. Below the navigation, there is a 'MEMBERSHIP' section with fields for 'Membership' (Vendor Active, March 01 2022), 'Membership end' (March 01 2022), 'Balance' (0.00), '# of events attended' (0), 'Last event attended' (None), and a file upload field ('Choose File' - No file chosen). A 'RENEW MEMBERSHIP' button is present. Below this is an 'UPDATE CREDIT CARD' section. At the bottom is a 'MEMBERS' section with a table header: 'Name' (sorted by Name), 'Email', 'Phone #', 'Title', and 'Membership end'. The table body is empty with the message 'No data available'. The 'MEMBERS' link in the navigation is also circled in red.



Feedback is Appreciated!

United Motorcoach Association

Antonio Thomas, Membership Manager

athomas@uma.org

Phone: 703-838-2929

Special Thanks to The L&W Team for help
implementing this platform for UMA:

Trisha Fridrich, Technology Solutions Architect

trisha@thelwteam.com

Phone: 206-579-6378





OVERDRIVE

