Technical Brief

LIFTING LOGISTICS MANAGEMENT HIGHER

Revolutionizing LTL Shipping: WARP + JTR

An Alternative to Traditional LTL with Advanced Optimization & Visibility

Prepared by: JTR Logistics & WARP

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1. Introduction

Traditional Less-Than-Truckload (LTL) shipping models have long been plagued by inefficiencies, including **unpredictable costs, extended transit times, limited visibility, and increased risk of freight damage.** WARP + JTR have partnered to provide a **next-generation LTL alternative** by leveraging **advanced shipment optimization, AI-driven load planning, and a fully integrated TMS powered by TURVO.**

This document provides a **technical breakdown** of how WARP's innovative approach to LTL, combined with **JTR Connect**, solves these industry-wide challenges.

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2. Challenges in Traditional LTL Shipping

Traditional LTL models rely on **hub-and-spoke networks**, which introduce inefficiencies such as:

- **Complex pricing structures** with density-based classification, hidden fees, and reweigh disputes.
- **Multiple touchpoints** that increase handling risks, leading to higher OS&D (Over, Short & Damaged) claims.
- **Lack of real-time visibility**, making it difficult to track shipments and manage exceptions proactively.
- **Inefficient load planning**, causing unnecessary delays, excessive transit times, and costly detention fees.

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3. WARP's LTL Optimization Model

WARP revolutionizes LTL by eliminating inefficiencies with **technology-driven logistics solutions**:

- **Transparent Per-Pallet Pricing:** No hidden fees or reweigh penalties—only predictable, clear costs.
- **AI-Optimized Load Consolidation:** Pooling smaller LTL shipments into dedicated middle-mile loads.
- **Direct Load Execution:** Reducing the number of handling points compared to traditional hub-and-spoke models.
- **Real-Time Shipment Visibility:** AI-driven tracking, proof-of-delivery images, and live status updates.

4. Technical Overview of WARP's Load Planning & Execution

WARP's backend **shipment optimization technology** manages complex logistics variables, ensuring a seamless shipping experience:

Key Features:

✅ **AI-Driven Load Planning & Execution**

- Dynamically optimizes routing, appointment scheduling, and carrier selection.
- Reduces empty miles and optimizes fleet efficiency using historical data and real-time demand signals.

✅ **Automated Exception Management**

- Identifies delays, warehouse access issues, and appointment conflicts **before** they impact deliveries.
- Automatically adjusts schedules and reroutes shipments based on real-time conditions.

✅ **Dynamic Customer-Driven Preferences**

- Shippers can prioritize deliveries based on **speed, cost, or sustainability goals**.
- Load plans can be adjusted to accommodate **liftgate needs, temperature control, dock restrictions, and time-definite deliveries**.

✅ **Direct Load Execution vs. Traditional LTL**

- **Traditional LTL:** 5–7+ handling touchpoints across multiple breakbulk terminals.
- **WARP Model:** 1–3 touchpoints, significantly reducing damage exposure and delays.

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5. JTR Connect + TURVO: A Collaborative Logistics Platform

JTR Connect powered by TURVO **goes beyond a traditional TMS**, creating a **real-time collaborative network** for **shippers, carriers, and consignees**.

Key Features:

📡 **Seamless System Integration**

- Connects with **TMS, WMS, ERP, and carrier networks** for real-time data synchronization.

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💡 **AI-Powered Predictive Analytics & Dynamic ETA**

- Uses historical and live data to proactively **adjust shipment ETAs** and reroute loads before disruptions occur.

📊 **Carrier & Lane Optimization Insights**

- Continuously evaluates carrier performance and recommends the **best routes and providers** to reduce costs.

📱 **Shared Digital Workspaces**

- **Live communication between all supply chain partners**, reducing email chains and miscommunications.

🚛 **Scalability & Multi-Mode Freight Management**

- Enables shippers to **seamlessly manage FTL, LTL, intermodal, and last-mile freight** from a single interface.

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6. Business Impact & Use Cases

Key Benefits of WARP + JTR Connect:

📉 **Lower Freight Costs** – AI-driven planning reduces inefficiencies and optimizes load consolidation.

📦 **Fewer OS&D Claims** – Less handling means **lower risk of freight damage and loss**.

🚛 **Faster, More Reliable Transit Times** – Direct-load execution and optimized routing prevent delays.

📡 **Total Supply Chain Visibility** – Real-time tracking, predictive alerts, and integrated reporting.

Use Case Example:
A leading Powdered coatings company with complex delivery constraints reduced their LTL costs by 22% using WARP's AI-driven optimization model, while JTR Connect streamlined their TMS integration across multiple distribution centers.

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7. Conclusion & Next Steps

WARP + JTR’s partnership **delivers an alternative to legacy LTL shipping**, combining **technology, operational efficiency, and multimodal logistics expertise** to create a **smarter, faster, and more cost-effective supply chain**.

At JTR Logistics, we are committed to delivering **innovative, technology-driven LTL solutions**. We collaborate closely with our **partners to provide tailored logistics strategies** that enhance efficiency, reduce costs, and ensure seamless supply chain integration.

✅ **Ready to optimize your LTL strategy?** Contact JTR Logistics today to see how **WARP + JTR Connect** can transform your freight operations.

📞 **708-710-5261** 🌐 **www.jtrlogistics.com**