

RISK ASSESSMENT

TO PILOT OPTICOM CLOUD EVP PLATFORM™

FOR

Detroit Fire Department

April 9, 2026

INTRODUCTION

The purpose of this Risk Assessment is to identify possible risks and their mitigation or avoidance in the execution of the DFD EVP Pilot Project.

This project is designed to enable cloud-based EVP using existing vehicle telematics hardware within the DFD fleet and the existing communications infrastructure deployed across the TED signal network, using a specific set of intersections for the pilot. By integrating with HAAS and Miovision's cloud platform, preemption requests will be authenticated, transmitted, and processed through the cloud—minimizing or eliminating the need for new in-vehicle or roadside hardware. MiovisionOne Cloud will securely connect into the traffic signal network and provide the pre-emption request to the traffic controller.

The objective of this deployment is to show the operation of a cloud-based EVP system that will improve DFD emergency response times, enhance operational safety at intersections, and modernize TED's traffic-signal operations through connected, cloud-enabled mobility technologies when deployed at scale. This pilot represents a collaborative effort between DFD, TED, OMI and Miovision to evaluate system performance, validate operational workflows, and establish a scalable path to a Citywide deployment.

Risk Matrix

Catastrophic					
Major					
Moderate					
Minor					
Negligible		- Communication or cloud-service outage - Stuck EVP Call	Conflicting EVP Calls	Missing EVP Timing Plans	
	Rare	Unlikely	Possible	Likely	Certain

RISK MITIGATION

Risk	Likelihood	Impact	Score	Mitigation
Communication/ Cloud service outage	2	1	2*	Fail-safe operation: normal signal timing
Stuck EVP Call	2	1	2*	Preemption requests expire after pre-defined time
Conflicting EVP Calls	3	1	3*	First-come first serve and priority tier schemes
Missing EVP Timing Plans	4	1	4*	TED will implement timing plans

*Score between 1 and 25