HEXAGON
SAFETY & INFRASTRUCTURE

Mobile Data Terminal / Mobile for Public Safety Project

Technology Overview

January 2019

Emergency Services

Greater Grand Sudbury

Mobile for Public Safety
Summary

- Real time access to the Computer Aided Dispatch (CAD)
- Thirteen (13) terminals installed in front line fire trucks
- Communicates via secured cellular technology
- GPS enabled for tracking
- Provides critical data to responders while on route
- Alternate communication methods with increased detail
- Leverages current mobile technology from Police Services
- Allows for rapid expansion across the entire department

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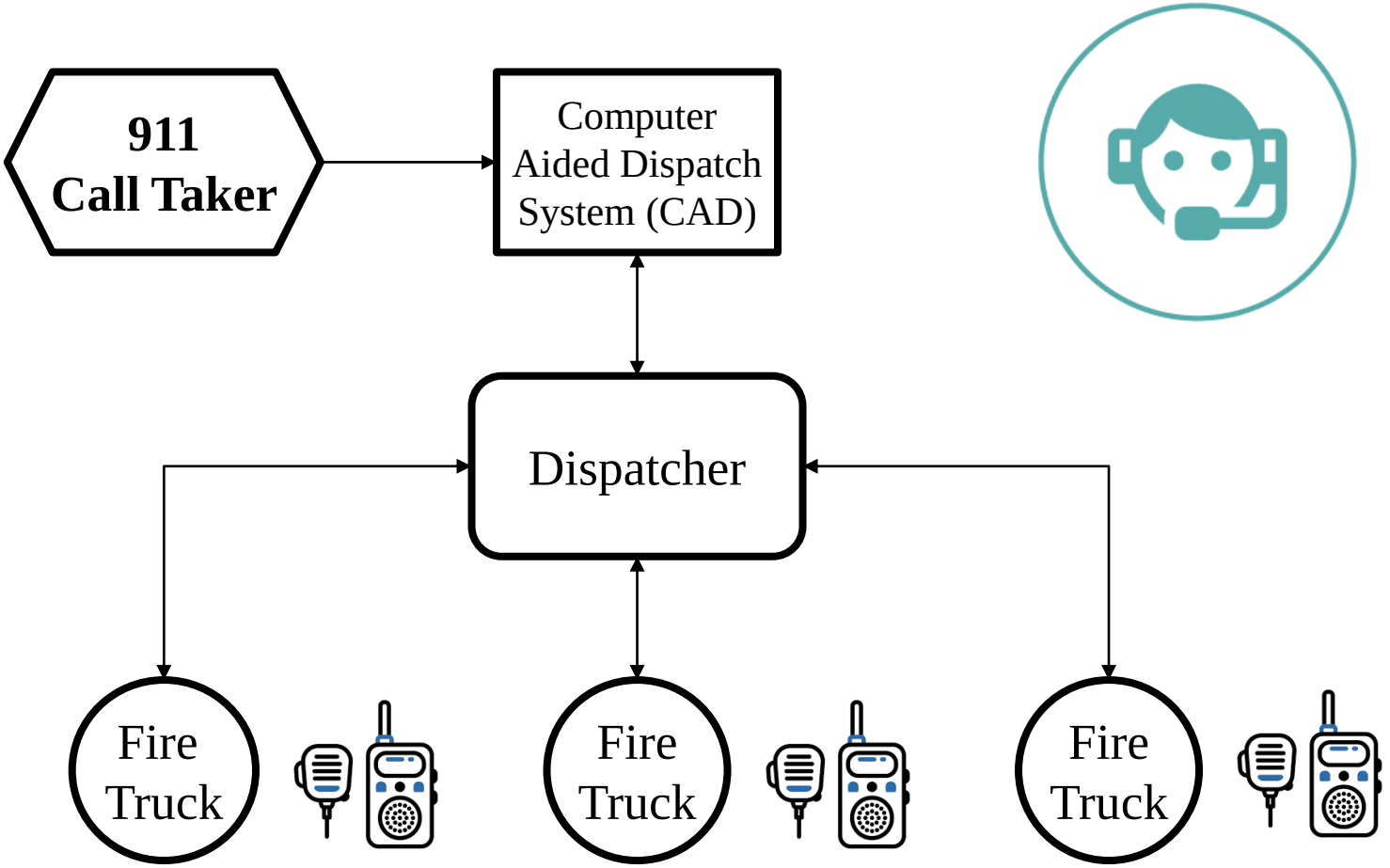
Traditional Fire Dispatch Communication



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DEMO

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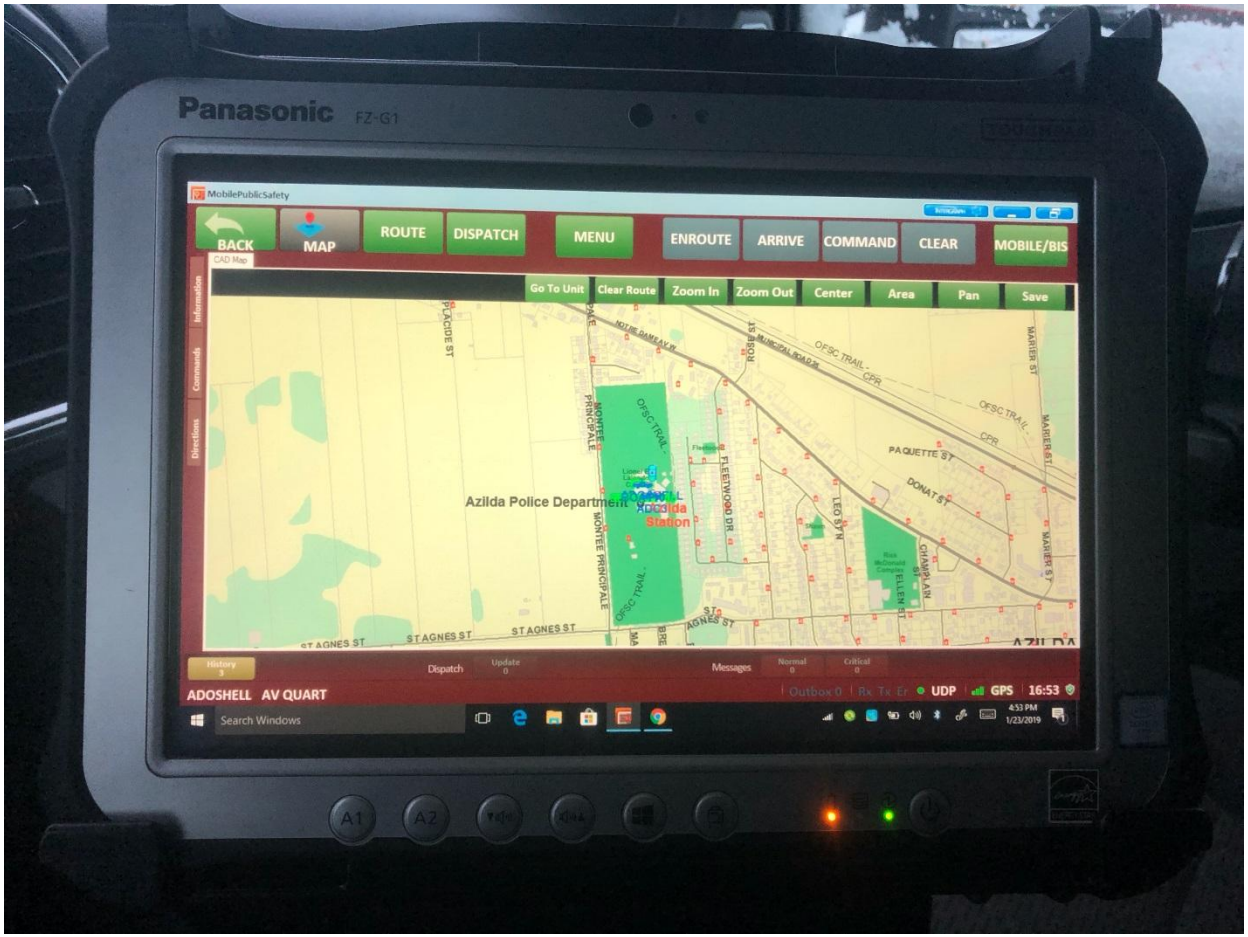
Mobile for Public Safety
Mobile Data Terminal



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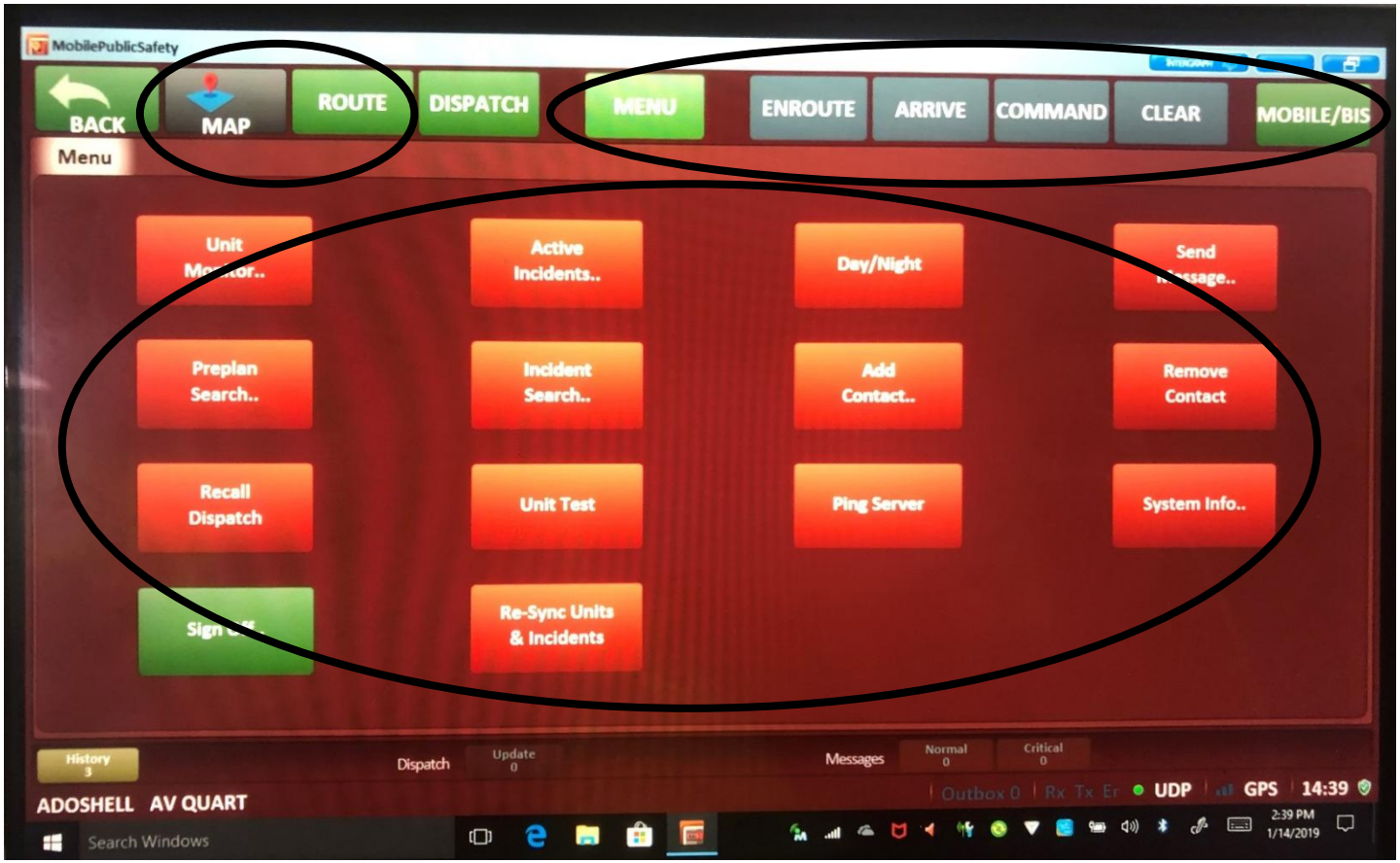
Mobile for Public Safety – MPS
Key Functions



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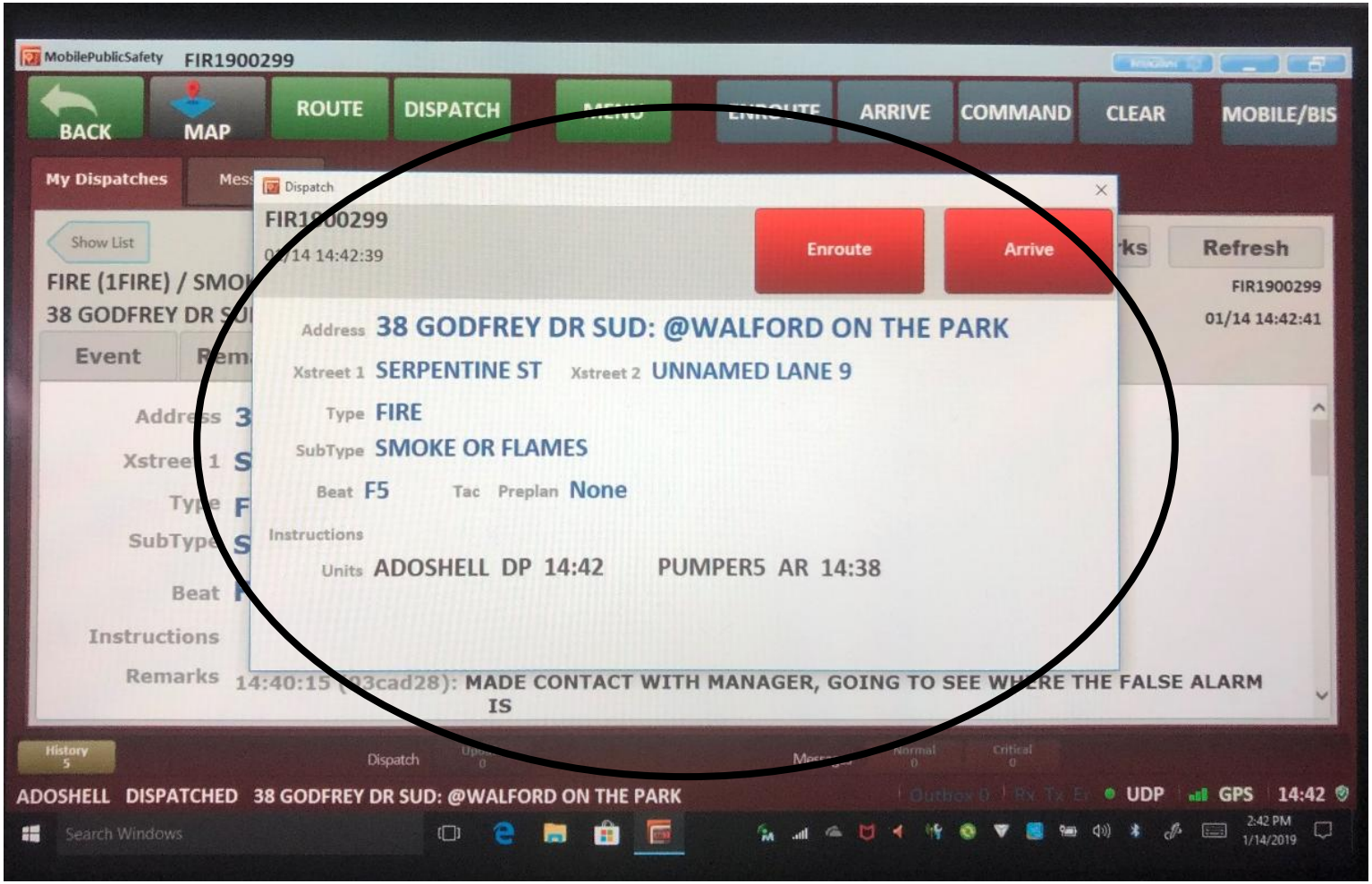
Dispatched to an Incident



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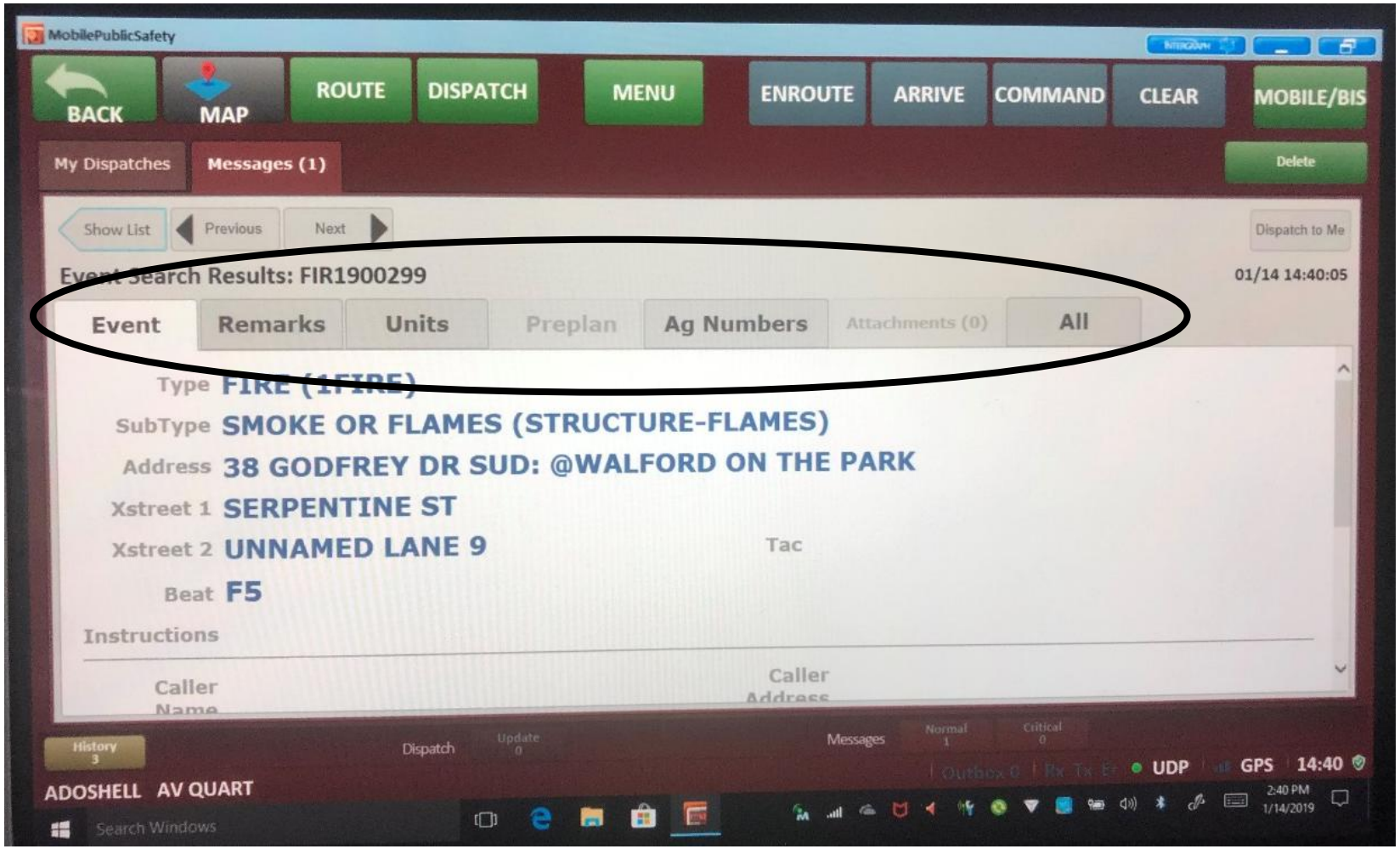
Incident Details



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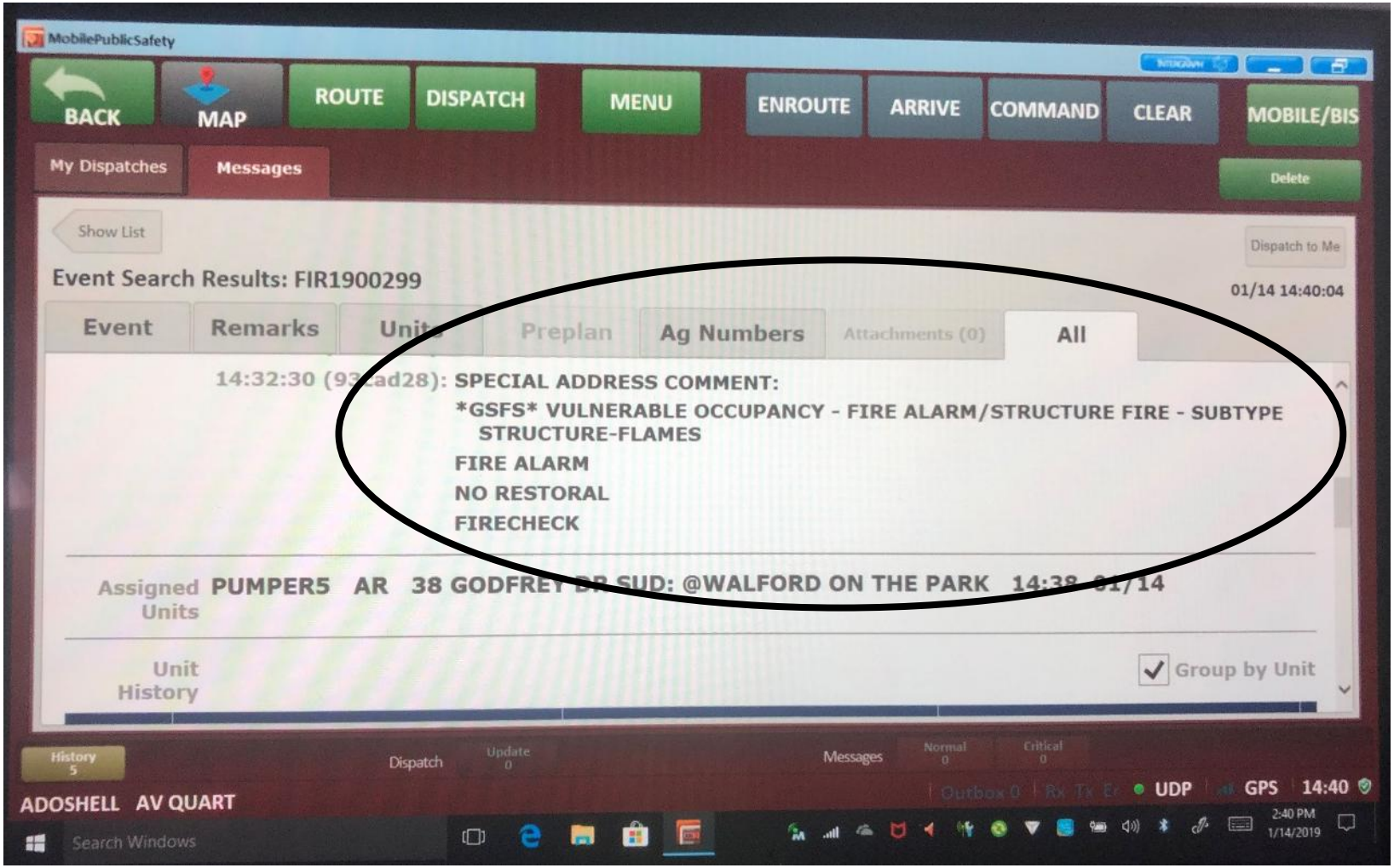
Additional Details



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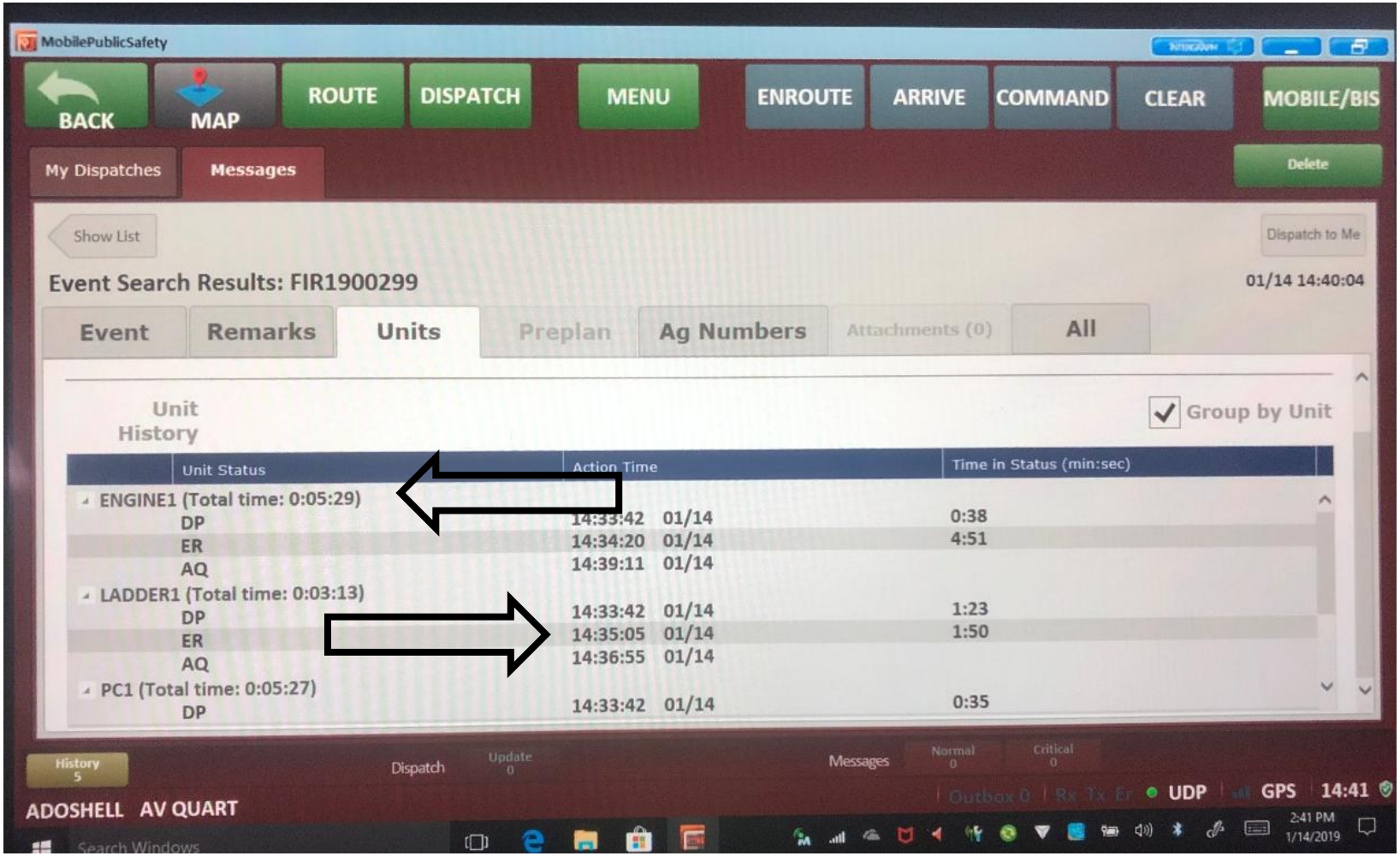
Unit History



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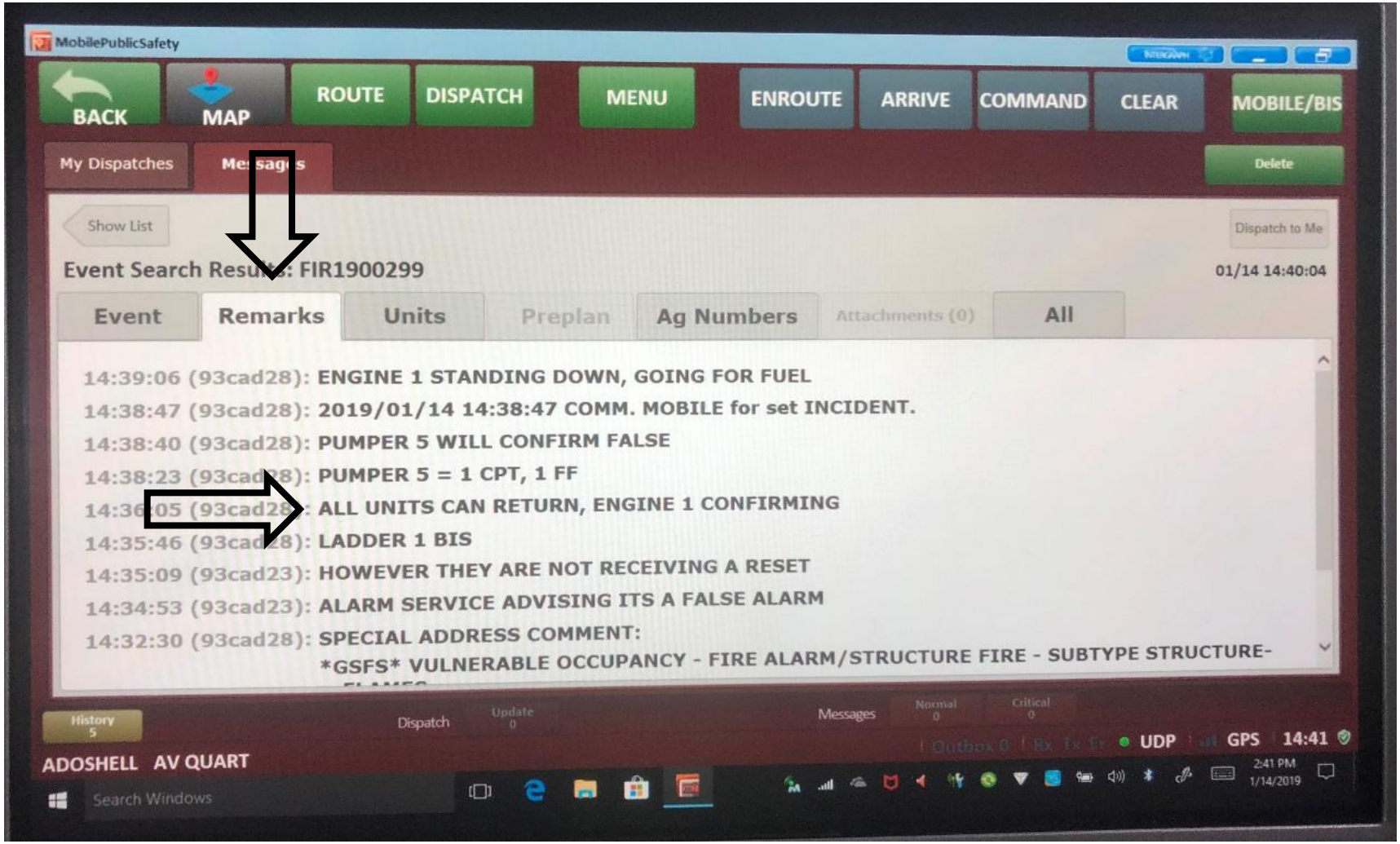
Dispatch Comments



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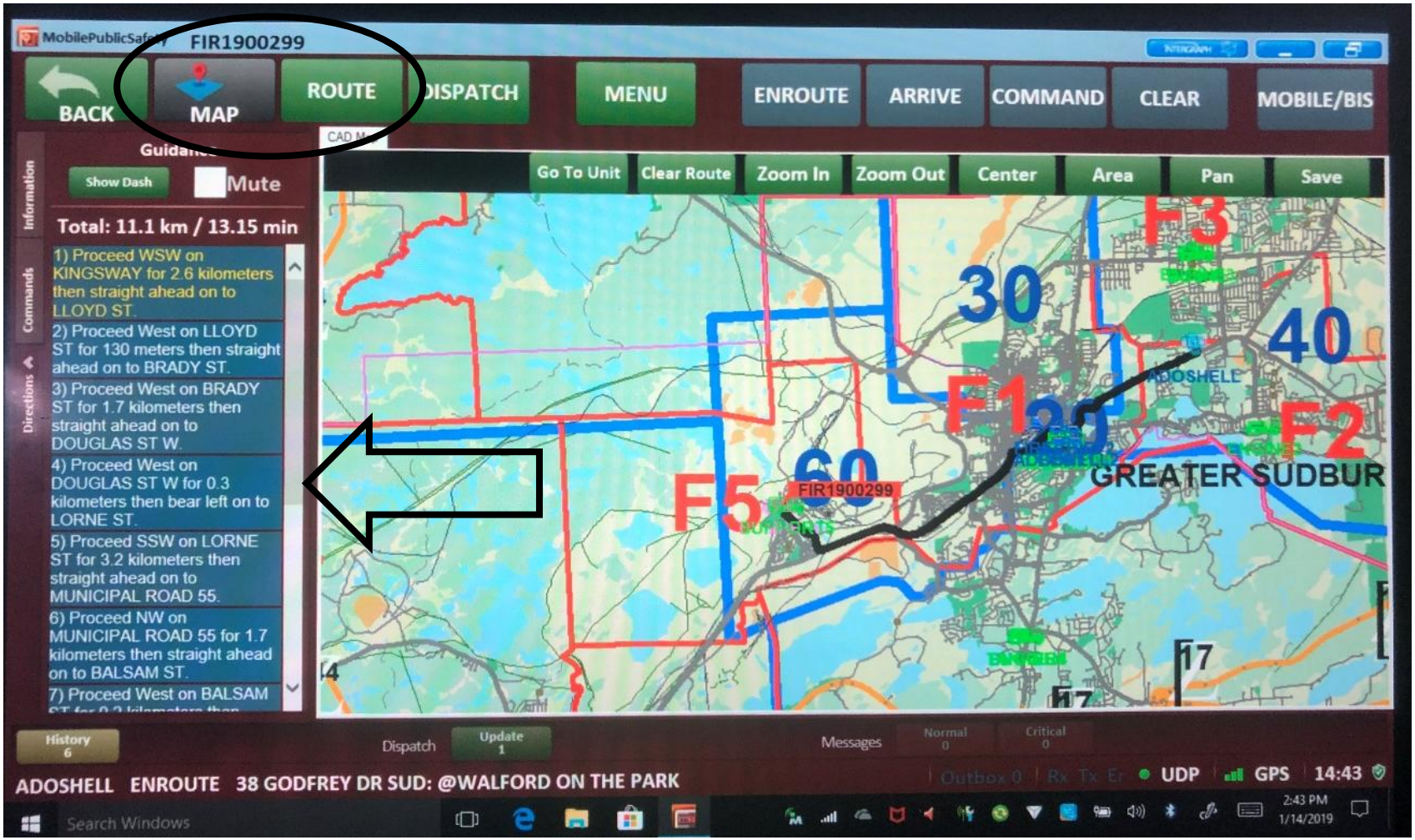
Mapping and Routing



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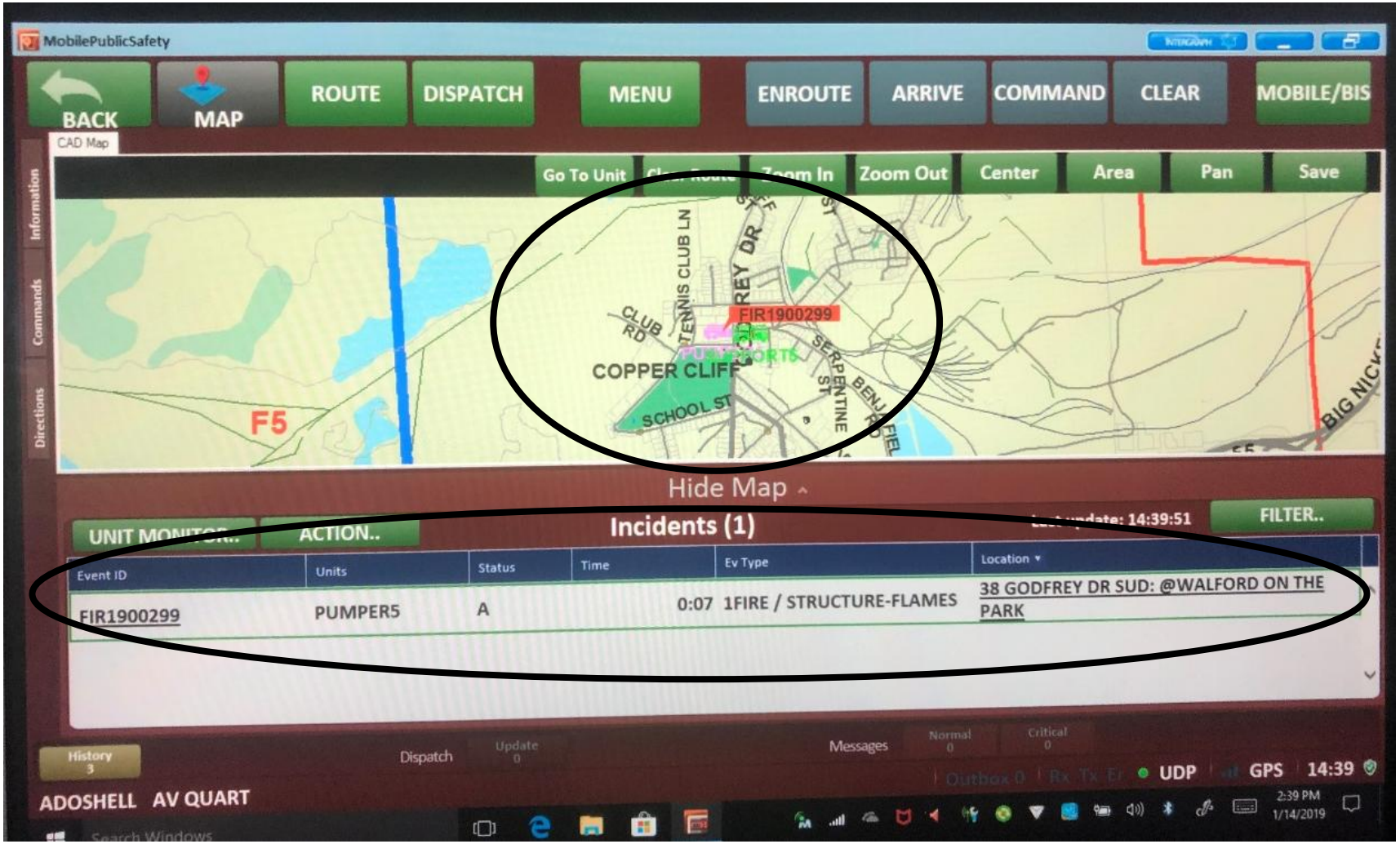
Active Incidents - Locations



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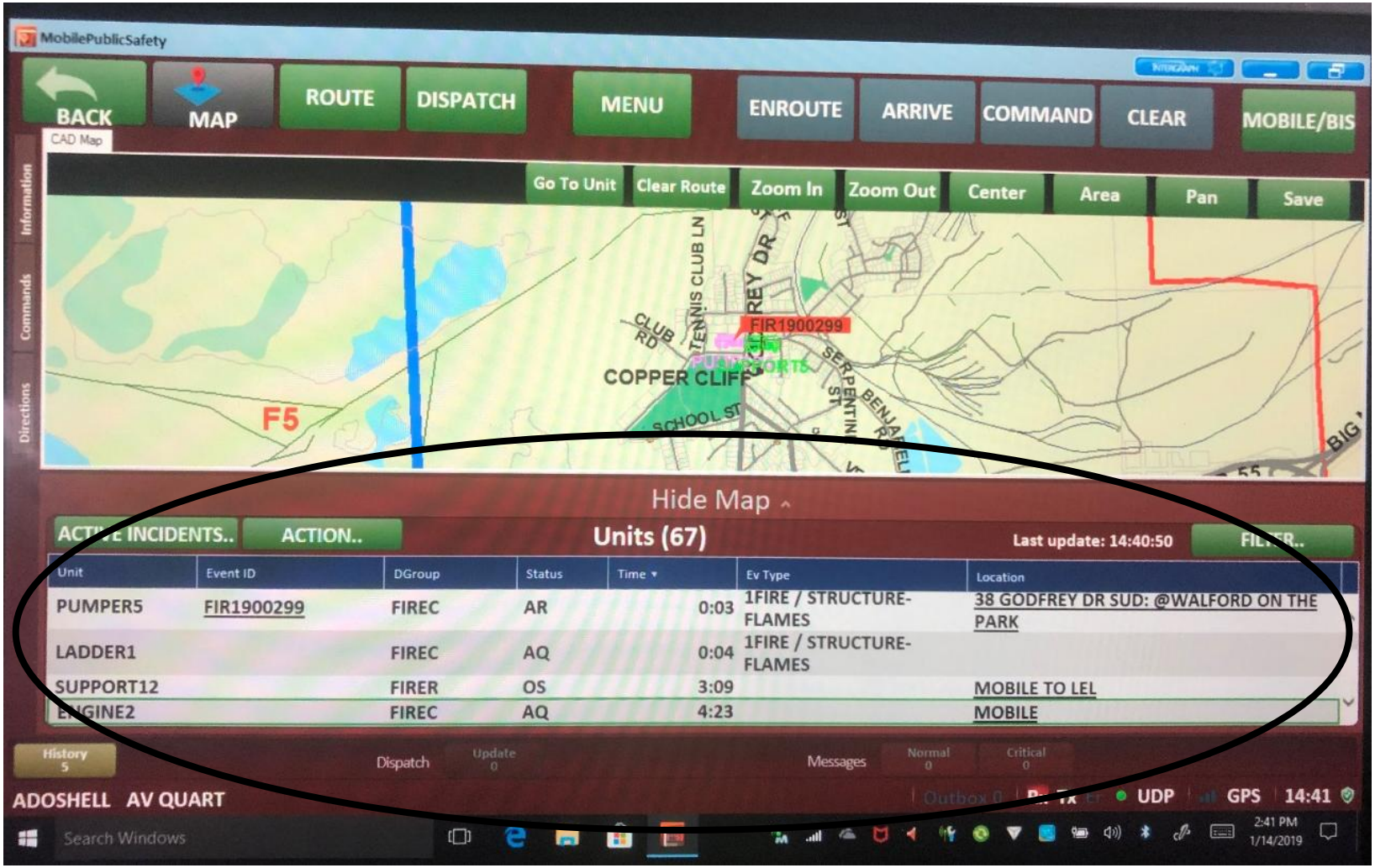
Unit Locations



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Pre Incident Planning NFPA 1620

ADDRESS 12 Elgin

AKA Christ the King Center

PRIMARY ENTRANCE (SIDE) A **SECONDARY ENTRANCE (SIDE)** D

TYPE OF OCCUPANCY Residential

FIREGROUND (Exposures: If a building, give height, construction, and type of occupancy – A = attached/ S = separate + distance)

Side – A (street)
Side – B (street)
Side – C (street)
Side – D (street)

NUMBER OF STORIES 10 **CONSTUCTION TYPE** Type I

LENGTH (FEET) 192 **WIDTH (FEET)** 60 GPM

WATER SUPPLY (URBAN/ SUBURBAN AREA)

FIRE HYDRANT LOCATIONS
PRIMARY Delta side (Beach St)
SECONDARY A side across the street
PRIVATE

RURAL AREA
MAIN DRAFTING WATER SUPPLY

LOCATION

WATER SHUTTLE TRAVEL TIME (main water supply to portable water tanks round trip)

PRIVATE AREA COVERAGE

WATER TANK CAPACITY

HYDRANT LOCATIONS
PRIMARY Delta side (Beach St)
SECONDARY A side across the street

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In Summary

MPS / MDT units allow for…

- Quick & immediate response information
- Real time mapping / drive to directions
- Location of additional responders
- Available Pre-Incident Plans
- Communication in addition to the radio

Future growth and development…

- Digital tools for accountability
- On scene record keeping / note taking
- Hazardous materials information
- Real time risk assessments
- Sharing of information with other digital tools (Mobile Responder)

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