

Use Case 5 – Tactical System Integration Support

The fifth JETS use case is to support integration with a tactical simulation system, specifically OneSAF for this use case. The integration focuses on two primary capabilities:

1. The ability for a tactical system to generate a casualty that can be sent to JETS for higher fidelity medical training.
2. The ability for JETS and a tactical system to communicate vehicle movement interactions for patient movement.

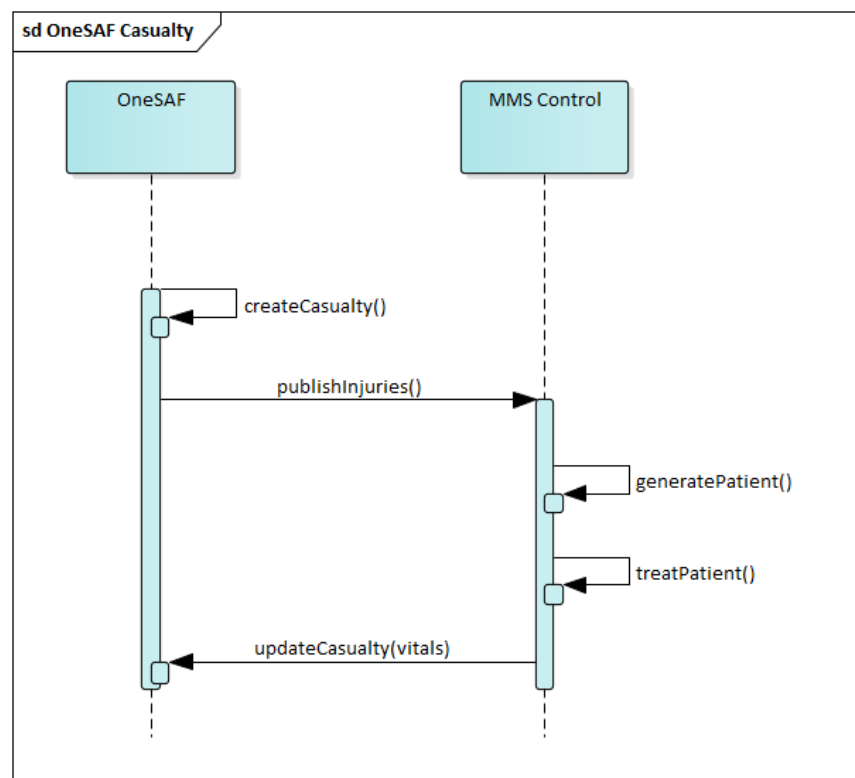


Figure 1. Sequence of OneSAF casualty generation.

For the casualty generation capability, OneSAF generates a casualty and publishes the casualty's injuries, which are then viewed in MMS Control. The patient can then be treated within JETS. While on the JETS federation, OneSAF can receive patient updates as they are treated. OneSAF can listen for updated vital signs from JETS and display those vital signs in the OneSAF interface.

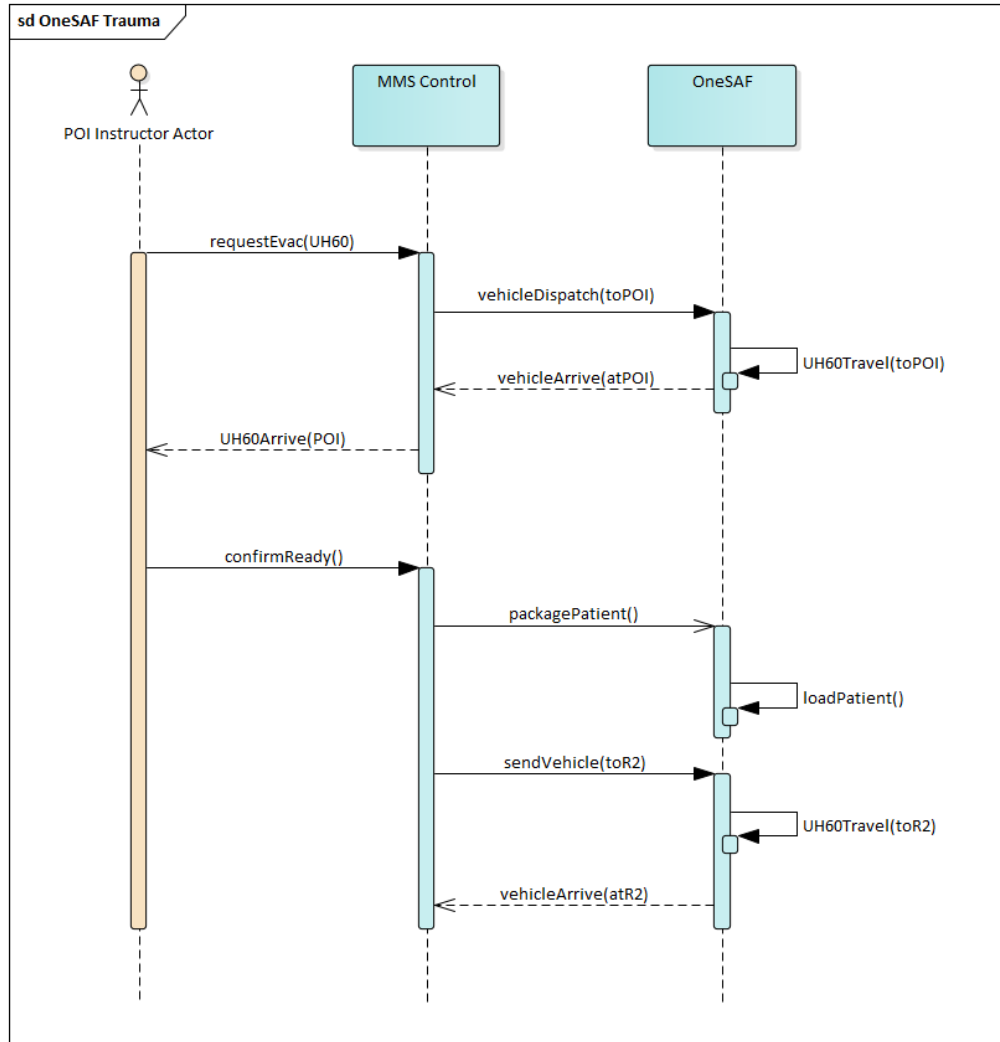


Figure 2. Sequence of vehicle movement interactions.

For the second capability, MMS Control and OneSAF interact across the federation using vehicle movement interactions. The integration shows the full sequence of events from requesting a MEDEVAC, dispatching the vehicle, and showing that the vehicle arrives within OneSAF. MMS Control tells OneSAF to dispatch a vehicle, OneSAF controls the movement and destination, and OneSAF notifies MMS Control when the vehicle has arrived at its destination. This use case supports calling either a ground ambulance or an air ambulance (UH60), depending on the needs of the patient.