

# Case Study: USAF 45<sup>th</sup> Space Wing

## BACKGROUND:

The U.S. Air Force 45th Space Wing, headquartered at Patrick Air Force Base, Florida, provides space launch and range support for Air Force, DoD, and civil and commercial space launches, and is in a large multi-contractor environment.

## PROBLEM:

Most relevant launch information is in digital form in various data stores, but communication and coordination between organizations remains a largely manual, paper-based process that depends upon frequent meetings to exchange information.



## SOLUTION:

Modus Operandi has provided many of the elements required by the single integrated range picture (SIRP) initiative at the 45th Space Wing including the Knowledge Management Framework (KMF). The KMF provides a common access point into the 45th Space Wing “data cloud” for users and applications. Modus Operandi extended its Wave® technology components to federate data into the SIRP on the KMF. The Wave model represents relationships and allows data to be navigated, queried, and updated for new and existing applications. Modus Operandi integrated an out-of-the-box incident application with the KMF to deliver a situational report to the command post. Wave leveraged integrated data stored in the incident database, data in CAD911 databases, fleet management systems, asset management systems, documents, and other data sources to provide one-stop daily and emergency management. Reporting data and schedule information are now available to crisis operations staff almost instantaneously compared to the minutes to hours of lag time associated with analyzing four different data sources, some containing hundreds of checklists.

## RESULTS:

- A single integrated range picture
- Accurate and up-to-date situational awareness
- Improvements in efficiency, visibility, and teamwork
- Fast time-to-value



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