

# Case Study of Samsung Secure Mobile Suite: United States Marine Corps



## CUSTOMER NEED:

### Cost-effective and secure mobile devices

The United States Marine Corps (USMC) deploys many of its Marines into the field, where they need to communicate in an offline environment. Accuracy and timeliness of information is a critical enabler for Marines on the front lines, especially in a complex and rapidly changing threat environment. **A Target Handoff System<sup>1</sup> (THS) is used by dismounted<sup>2</sup> Marines** in this scenario to locate targets and pinpoint global positioning coordinates, as well as call for close air, artillery, and naval fire support using secure digital communications.

Due to the time sensitive nature of their jobs, Marines need immediate situational awareness on where friendly and enemy locations are, as well as the **ability to hand off target data to fire support** for quick results on the battlefield. The current THS needed to be smaller and lighter to support dismounted operations,<sup>2</sup> creating less weight for individuals to carry around. The USMC was also looking for a device that would allow for more precise and intuitive fire support, making it easier to use and minimize collateral damage from strikes called in.

***Our current THS, though capable, needed to be smaller and lighter to better support dismounted operations.***

*Capt. Jesse Hume, project officer for the system*

THS version 2 (v2) allows Marines on the ground to rapidly pinpoint the location of a target, then send that data to supporting elements, whether air, artillery, or naval fire support. A map application on the smartphone receives target coordinates automatically generated by the system, dispensing with manual inputs and minimizing the margin of error. **The digitized information, secured by Samsung SDS EMM, is then sent to the relevant fire support coordination center,** which determines how to deploy the attack.

**Immediate solution awareness •  
Quick results on battlefield •  
Smaller & lighter THS • Precise &  
intuitive fire support • Secure**

## CUSTOMER

The United States Marine Corps (USMC) is the branch of the United States Armed Forces responsible for providing power projection, using the mobility of the United States Navy, by Congressional mandate, to rapidly deliver combined-arms task forces on land, at sea, and in the air. The U.S. Marine Corps is one of the four armed service branches in the U.S. Department of Defense (DoD) and one of the seven uniformed services of the United States.

## SOLUTION

**Samsung Secure Mobility Suite for Government:** an enterprise mobility management solution partnered with Samsung Knox and Samsung Galaxy devices.

**App Development Services:** Secure Settings to activate various Knox features in addition to the ability to enforce kiosk mode.





*With the new version, Marines will obtain a lightweight device equipped to provide immediate situational awareness on friendly and enemy locations, and the ability to hand off target data to fire support<sup>3</sup> to get quick effects on the battlefield.*



*Matthew Bolen*

### THIS UNIQUE OFFERING ALLOWS FOR:

Enhanced communication with and between modern war-fighters

Improved support for USMC operations in the field by providing mission-critical applications accessed on, and secured by, a comprehensive secure mobility solution

Expanded device deployments with additional features to more war-fighters over the next year

Minimized system weight, from 20 to 10 pounds

Decreased costs associated with device deployment by 50%

1. Target Handoff Systems are lightweight systems that are developed for dismounted Marines to locate targets and global positioning coordinates as well as call in support using a secured digital communications channel. 2. Dismounted operations are those with operators on foot. 3. Fire support is artillery support for troops on the ground.

### THE SOLUTION:

#### Customer off-the-shelf (COTS) devices used to call fire missions for Marines

The USMC desired to use tactical applications on Samsung devices. **Samsung was able to securely enable the custom functionality** required to utilize those applications, giving the Marine Corps a pre-architected and pre-configured device enrolled in EMM and KNOX, with a KNOX Customization load, upon delivery.

Matthew Bolen, assistant engineer for THS, said COTS devices are ideal since they enable a **quick and cost-effective modern technology implementation**. This program is supporting USMC operations in the field by providing **mission-critical applications** accessed on and secured by a comprehensive secure mobility solution from Samsung.

### THE RESULT:

#### Quicker and cheaper deployment for easy mobile use in tactical environments

**Samsung's offering** is able to increase lethality and improve force multipliers by optimizing battlefield communications. The user base includes joint forward observers, joint terminal attack controllers, forward air controllers, and air officers throughout all Marine Corps ground units.

The USMC saw significant value in what the Samsung subsidiaries could offer together, in addition to the U.S. government security accreditations held by Samsung products. Leveraging the resources of Samsung Group affiliates outside of SDSA was a key reason for this successful deployment. This procurement will expand the distribution of these devices to more war-fighters and additional future device deployments are expected over the next year.

