

THE VALUE OF PERFORMANCE.

**NORTHROP GRUMMAN**

## BioSled

*Android-Powered Biometrics*

**N**orthrop Grumman's **BioSled** represents a paradigm shift in biometric capture devices with the intent to set the standard for biometric capture hardware for the next generation of devices. BioSled is a standards-based, single form factor device that offers multi-modal biometric capture and onboard watchlist matching.

### BioSled Overview

Originally an internal research and development exploration, BioSled is a lightweight, low-cost, Android™ based device that outperforms a number of larger, more expensive single-purpose devices. BioSled is designed for use in a tactical environment while still providing an affordable and flexible solution that fits many use cases worldwide. The

customized form factor offers a **rugged case** around the host Android smartphone, and strategically positions the Sherlock fingerprint sensor and IriShield™ binocular iris camera for fast and easy biometric capture. Northrop Grumman's BioSled packs extended battery power for the mission and utilizes Northrop Grumman's high-performance **biometric mobility** software to achieve standards-based data capture.

### BioSled Components

The **Integrated Biometrics Sherlock** is an FBI Appendix-F certified, FAP 45 fingerprint scanner capable of capturing both rolled and flat fingerprints. **IriTech's IriShield™** provides SAP 30 compliant iris scans and is capable of capturing both irises simultaneously. The

**Samsung Galaxy S®5 Android smartphone** at the core of the BioSled provides several native tools, such as the built-in **GPS** for collecting location data, and a SAP 52 compliant, 16 megapixel camera for capture of facial images and other data pertinent to the mission, such as scars, marks, tattoos, or situational photographs.





- front -

*BioSled, showing Biometric Mobility application and Sherlock fingerprint scanner*



- back -

*BioSled, showing camera and IriShield iris scanners*

## Biometric Mobility Application

BioSled comes loaded with Northrop Grumman's **Biometric Mobility** application, which includes the **Automated Biometric Enrollment Workflow** to lead the user through collection of

the subject's demographic and biometric data, as well as any required contextual information. The workflow is mission configurable, and the biometric enrollment generated is based on the Electronic Biometric Transmission Specification (EBTS).

## For more information, please contact:

Northrop Grumman  
Information Systems  
Greg Zarroli  
gregory.zarroli@ngc.com  
757-259-5223

[www.northropgrumman.com](http://www.northropgrumman.com)

© 2015 Northrop Grumman Systems Corporation.  
All rights reserved. Approved for Public Release: 15-0337  
IS11750115

THE VALUE OF PERFORMANCE.

**NORTHROP GRUMMAN**