Exhibit A

Technical Requirements for Mark43 Applications

This page lists the minimum technical requirements for each of the Mark43 Applications. This page also describes the requirements for Mark43 interface servers. Integrated application providers and subcontractors may have additional requirements that are not listed here. These technical requirements are incorporated into the agreement(s) under which Mark43 has agreed to provide software and services to you (the "Subscriber").

Mark43 RMS

RMS Workstation Requirements

Item	Minimum
Operating System	Windows 10+
Processor	2x 2.0+ GHz processors
Architecture	x64
Memory	8 GB+
Network Card	1x 10 Mbps+ NIC
Display(s)	1x 1920x1080
Hard Drive	25 GB available space
Graphics Card	N/A
Bandwidth	5 Mbps+

RMS Workstation Site Internet Requirements

Mark43 RMS operates as a single-page application where most of the heavy download load is needed only on initial page load for each user. For RMS, Mark43 requires an overall internet bandwidth connection of 5+ Mbps per concurrent user using that connection with a minimum of a 100 Mbps connection per site. Actual performance and usage may vary depending on user usage of other internet-connected applications and your ISP. Department firewalls and other networking applications must have capacity to support a minimum of a 100 Mbps connection per site.

RMS Mobile Data Terminal Requirements

Item	Minimum
Operating System	Windows 10+
Processor	2x 2.0+ GHz processors
Architecture	x64
Memory	8 GB+
Network Card	5 Mbps+ (4G LTE)
Display(s)	1x 1920x1080

Hard Drive	25 GB available space
Graphics Card	N/A
Bandwidth	5 Mbps+ (4G LTE)

RMS Browser Requirements

Mark43 RMS is web-based and requires a modern web browser to access the system. Mark43 RMS supports the following browser versions that receive technical support and security updates from the browser vendor.

- Google Chrome (latest)
- Microsoft Edge (latest)

RMS Smartphone Mobile Application Requirements

The Mark43 RMS Smartphone Mobile Application is available on iOS.

Item (iOS)	**Minimum**
Operating System	Apple iOS 13, 14
Device	iPhone 11, 12, 13 iPad Gen 7 or 8 iPad Air Gen 3 or 4 iPad Pro Gen 4 or 5

OnScene Smartphone Mobile Application Requirements

The Mark43 OnScene Mobile Application is on iOS and Android.

Item (iOS)	**Minimum**
Operating System	Most Recent iOS Version and Previous Version
Device	iPhone X, 11, 11 Pro, 11 Pro Max, 12, 12 mini, 12 Pro, 12 pro Max, 13 mini, 13, 13 pro, 13 Pro Max, 14, 14 plus, 14 pro, 14 pro Max
Item (Android)	**Minimum**
Operating System	Android 11+ or Above
Device (Examples)	Google Pixel 7/8 Samsung Xcover6 Pro Samsung Galaxy S22 Ultra

Evidence Smartphone Mobile Application Requirements

The Mark43 Evidence Smartphone Mobile Application is available on iOS and Android and requires network connectivity.

Item (iOS)	**Minimum**
Operating System	Apple iOS 13, 14
Device	iPhone 11, 12, 13 iPad Gen 7 or 8 iPad Air Gen 3 or 4 iPad Pro Gen 4 or 5

Android

Device	**Operating System**	**Ram**
Samsung Galaxy S21+ (& variants)	Android 11	8GB
Google Pixel 5	Android 11	8GB
Samsung Galaxy S20+ 5G (& variants)	Android 11	8 or 12GB
Google Pixel 4, 4 XL	Android 10, Android 11	6GB
Google Pixel 4a 5G	Android 11	6GB
Google Pixel 4a	Android 11	6GB
Samsung Galaxy A52	Android 11	6, or 8GB
Samsung Galaxy S20+	Android 10	8GB
Samsung Galaxy Note 10+	Android 10,11	12GB

All of these devices are FIPS 104-2 Certified.

Evidence Barcode Printer Requirements

The Mark43 RMS Property and Evidence module require a barcode printer to optimize the evidence management process. Mark43 currently supports the following hardware configurations for evidence barcode label printing.

- Any printer meeting the following specifications:
- Prints 4” x 2” labels horizontally
- 203 or 300 DPI resolution
- Zebra Programming Language (ZPL)
- Ethernet connectivity (for statically assigning IP address)
- To purchase a new printer meeting these specifications, we recommend a Zebra model.

Deviating from this hardware configuration will lead to smeared, stretched, or otherwise incorrectly printed barcode labels. For departments with multiple printers, Mark43 requires purchasing the same model for all locations.

Mark43 does not offer technical support for printers. As such, we cannot respond to or diagnose any issues with printers.

Evidence Printer Server Requirements

In order for Mark43 RMS to communicate with the barcode printers, an intermediate server to route printing requests is required. This machine can be the same machine as the Interface Servers specified below or standalone in which case it will need the following specifications:

Item	**Minimum**
Processor	2x 2.0+ GHz processors
Memory	4 GB+
Hard Drive	64 GB HDD storage

RMS Fillable PDF Software Requirements

In order for the Subscriber to utilize Mark43 RMS Fillable PDFs (SKU - RMS 7), the Subscriber must have enough Adobe Professional licenses to support their department's needs.

QuickCrash

QuickCrash is available as a progressive web app on iOS, Android, and desktop web.

Item (iOS)	**Minimum**
Operating System	Apple iOS 13, 14
Device	iPhone 11, 12 iPad Gen 7 or 8 iPad Air Gen 3 or 4 iPad Pro Gen 4 or 5

Android

Device	**Operating System**	**Ram**
Samsung Galaxy S21+ (& variants)	Android 11	8GB
Google Pixel 5	Android 11	8GB
Samsung Galaxy S20+ 5G (& variants)	Android 11	8 or 12GB
Google Pixel 4, 4 XL	Android 10, Android 11	6GB
Google Pixel 4a 5G	Android 11	6GB
Google Pixel 4a	Android 11	6GB
Samsung Galaxy A52	Android 11	6, or 8GB
Samsung Galaxy S20+	Android 10	8GB
Samsung Galaxy Note 10+	Android 10,11	12GB

All of these devices are FIPS 104-2 Certified.

Browser Requirements

QuickCrash is web-based and requires a modern web browser to access the system. QuickCrash supports the following browser versions that receive technical support and security updates from the browser vendor.

- Google Chrome (latest)
- Microsoft Edge (latest)

Mark43 CAD

CAD Call Taker / Dispatcher Workstations

Mark43 only supports using the Mark43 CAD installed CAD Dispatch application call takers and dispatchers in a live environment. The CAD Dispatch desktop application allows for multi-window functionality and a more seamless user experience for call takers and dispatchers.

Mark43 recommends that subscribers have a dedicated workstation with the following specifications.

Item	**Minimum**
Operating System	Windows 10+
Processor	Intel Core i5 (11th generation or later) Standalone GPU (Graphics Processing Unit)
Architecture	x64
Memory	16 GB+
Network Card	1x 10 Mbps+ NIC
Display(s)	2x+ 1920x1080 monitors
Hard Drive	25 GB available space
Graphics Card	2x 512MB NVIDIA Quadro NVS 310, 4 MON
Bandwidth	5 Mbps+ per concurrent dispatcher

* Network latency should not exceed 50Mbps between the CAD station and the CAD application server.

CAD Call Taker / Dispatcher Workstation Site Internet Requirements

For CAD, Mark43 recommends an overall internet bandwidth connection of 5+ Mbps per concurrent user using that connection with a minimum of a 100 Mbps connection per site and a backup ISP connection with automatic failover of equal bandwidth. Actual performance and usage may vary depending on user usage of other internet-connected applications and your ISP. Department firewalls and other networking applications must have capacity to support a minimum of a 100 Mbps connection per site.

CAD First Responder Mobile Data Terminal Requirements

Item	**Minimum**
Operating System	Windows 10+
Processor	2x 2.0+ GHz processors
Architecture	x64

Memory	16GB RAM
Network Card	5 Mbps+ (4G LTE)
Display(s)	1x 1920x1200
Hard Drive	25 GB available space
Graphics Card	256MB+ video memory
Bandwidth	5 Mbps+ (4G LTE)

Mark43 CAD also requires installing a windows application (Desktop Integration Service) on First Responder MDTs to query message switches, track GPS, monitor performance, and more. This Windows Application requires:

- Windows 10+
- Optional Deployment tool (GPO, SCCM, etc.)
- Completion of all recommended Windows Updates from Microsoft

GPS Tracking

Mark43 CAD First Responder MDTs support tracking GPS from the following hardware:

- Machines with internal GPS modules supporting a minimum BAUD rate of 4800
- External GPS devices that utilize serial driver
- BU-353S4 receivers that plug in
- Cradlepoint/Sierra Wireless routers

GPS Tracking also requires:

- GPS Receiver using NMEA standard (e.g. $GPxxx messages)
- Dedicated COM port on machines that use external USB GPS devices
- External Antenna (if applicable)
- DIS (a windows application that can capture GPS data in the following formats: a) Sent over a COM port in the NMEA 1 format or b) via UDP in the NMEA 1 format

Mark43 Analytics

Data Lake Requirements

Mark43 Data Lake is a Microsoft SQL Server Database and requires a database client that receives technical support and security updates from the vendor. Mark43 recommends using Microsoft SQL Server Management Studio.

Business Intelligence Suite Requirements

Mark43 Business Intelligence Suite runs embedded within Mark43 RMS and therefore has the same browser requirements as Mark43 RMS.

Mark43 Data Exchange

The Mark43 Data exchange (DEx) functionality is enabled through either the RMS or CAD applications. An additional Windows server will be required if a customer is using CommSys as their DEx provider.

Mark43 Interface Servers

Server Requirements

Interface servers are on-premise servers that Mark43 uses to run interfaces developed by Mark43. These servers allow Mark43 interfaces to access on-premise Subscriber systems and/or run custom interfaces developed by Mark43. Mark43 supports the application and ensures that interfaces running on these servers are maintained and monitored. The table below outlines Mark43's minimum required and recommended server specifications for an interface server setup.

Item	**Requirement**
Number of servers	2+
Operating System	Ubuntu 22.04 LTS or Red Hat Enterprise Linux 8 or higher
Processor	2x quad-core processor
Architecture	x64
Memory	16 GB+ (May require additional resources based on interfaces)
Network Card	1 x 1 Gbps NIC
Display(s)	N/A
Disk	128+ GB available space
Graphics Card	N/A
Bandwidth	100+ Mbps

Server Software Requirements

Subscriber will provision and maintain the Interface Server hardware/VM and the operating system. This includes performing any necessary hardware-level maintenance and applying any operating system security patches. Mark43 will maintain the application software installed on this server, which consists of:

- Kubernetes, a container orchestration technology, which allows Mark43 to deploy, update, and monitor the containers running the application software

Subscribers are encouraged to put adequate alerts in place to ensure they are notified when Interface Servers lose internet connectivity or go offline for any reason (e.g. monitoring software). However, if the Subscriber-installed software interferes with the operation of the Mark43 Applications, the Subscriber will be required to uninstall the software.

Subscriber accepts sole responsibility for any compatibility problems between the Licensed Software and any other application software or non-current software programs not maintained or supported by Mark43.

Networking/Firewall/Access Requirements

Inbound:

HTTPS / Port 443	Originating from within the Subscriber's VPN For Kubernetes API server communication and evidence labeling printing software (if applicable for Subscriber)
TCP Port 6443	Originating from within the Subscriber's VPN For Kubernetes API server communication
TCP Port 10250	Originating from within the Subscriber's VPN For Kubernetes node metrics

* All IPs and ports inbound from the public internet should be closed.

Outbound:

HTTPS / Port 443	*.mark43.io *.mark43.[com|us|uk] - depending on region GitHub.com git.rancher.io ingest.us0.signalfx.com api.us0.signalfx.com ss.archive.ubuntu.com security.ubunut.com k3s.io
TCP Port 6443	Originating from within the Subscriber's VPN For Kubernetes API server communication

Remote Access:

Subscriber must install AWS Systems Manager Agent (SSM Agent) on the servers, which will provide command line access for Mark43. Mark43 will use the SSM Agent CLI access to install Kubernetes and perform any troubleshooting actions or maintenance tasks that cannot be completed via the normal release process.

User Accounts:

Subscriber must provide Mark43 with a service account(s) with sudo access on the interface servers.

Static IP Addresses:

Subscriber must assign static IP addresses for the interface servers.

Third Party Connections to Mark43

All connections to Mark43 systems must be made using TLS 1.2 or greater.