



Uses

The Mobile Operator Panel (MOP) is a multi purpose control panel for the complete range of Safedock Advanced Visual Guidance Systems (A-VDGS). It is a web application that can be controlled from a variety of handheld devices, such as mobile phones and tablets.

MOP user rights are sold in quantities of ten, then in bundles of five or ten. An unlimited number of users can be set, and the definition of user rights is based on the number of users actively logged in at the same time.

Features and Benefits

- Full remote individual operational control and overview of all Safedock systems; functionality is identical to the fixed operator panel, with the added benefit of mobility
- Improved situational awareness for ground crews via networked interfaces with other systems at the airport such as AiPRON Manager, flight feeds¹, and integrated Safedock camera¹
- Role-based access control
- Integration with federated identity management with single sign-on, such as Active Directory
- Active monitoring of connectivity status for fail-safe behavior
- Allows remote service iteration with the Safedock test menu
- Immediate access to remote stop button
- Responsive user interface allows both vertical and horizontal view

MOP is developed for Safedock X and Flex platforms and backwards compatible with existing Safedock installations, provided the Safedock Operating System (SOS) firmware is updated to version 5.2.3 or later.

Installation

MOP is an application that runs in a web browser on a mobile device. For MOP to run properly an installation of Safedock Backend is required.

MOP shall be installed on the same servers or Kubernetes cluster as Safedock Backend and AiPRON Manager.

Connectivity

MOP relies on the chosen wireless connection provided by the customer, such as, 4G, 5G, or WiFi. It is also required that the device access the same network as used by Safedock Backend.

Compatibility

MOP is a web application that can run on any device with JavaScript, HTML5, CSS3 support, and the latest version of one of the following browsers²:

- Chrome
- Safari
- Firefox
- Microsoft Edge

Network Latency

- Network latency must be <500ms for some features (Connectivity Monitoring)
- Real-time user experience is highly dependent on low network latency
- High latency will lead to sluggish user experience

Configuration Options

It is possible to define a minimum number of mobile operators as a condition to operate and supervise a docking procedure.

Optionally, Active Connectivity Monitoring can be deployed at installation. If the mobile device used to initiate an action at a Safedock A-VDGS is lost for whatever reason (for example, low battery, out of wireless coverage, etc.) the Safedock will enter a fail-safe state to the effect "I have lost my operator so no one can maneuver me." It is also configurable how to resume operation after a connection is re-established.

¹ To be released in a later revision

² Other browsers may work but are not actively supported