SOFTWARE NOTICE
impro technologies

Form NO: SFW 0443 Issue 4	Date: 2017-07-31
SN NO:	SN:

TITLE: Portal v2.20 Release

New Features & Enhancements

- **Virtual Hardware** The ability to add virtual hardware to a site has been added. This allows a system to be configured by an installer before going to site. On site, replace the virtual hardware with actual hardware.

- **Lift Control** When implementing lift control on a site, an installer would typically use access group actions. With the implementation of this simplistic, purpose designed lift control module, we are attempting to make lift control easier to configure for the installer.
    - This implementation requires the software to be running and the hardware to be online.
    - Only relays on an I/O device can be used for this implementation of lift control.

- **Batch Operations (Access)** Allows the user to quickly perform the following batch operations.
    - **People / Assets (enroll new)** a.k.a batch enrollment.
        - Template values such as firstname, lastname, department.
        - Access Groups
        - Floors (Related to the new Lift Control feature).
        - Tag Enrollment. (Random PAC, Tag Range, Read Tags, Manually Enter)
        - Summary
    - **People / Assets (update)**
        - Select Person / Assets to update (Manual selection or selection VIA CSV import)
        - Add Tags
        - Update Access Groups (Assign, unassign, replace, update dates)
        - Edit Fields
        - Assign Groups and Floors.
    - **Access Groups (update)**
        - Select access groups to update.
        - Add doors to access groups.
        - Remove doors from access groups.
        - Replace actions on access groups with new ones.

- **Directory Configuration Updates** Improvements have been made to the directory implementation.
    - Added support for user operator profile lookup.
    - Switched authentication from comparison to binding. Allows supporting a larger range of LDAP directories.

- **Server Application Updates**
  - **Web Server Configuration (HTTPS, Port Configuration, etc.)** Web server configuration has been moved into the server application UI. We've also added the ability to generate certificates for use by the application web server and a few other options around this feature.

  - **Diagnostics** The server application diagnostics tab has been updated to include graphs and metrics that show the load on the server application.

- **Reports**
  - **Holiday Report** Added a holiday report that shows configuration information.

  - **Custom Reports** If you have a need for a report that is not available as a standard report, please contact support to discuss if a custom report could solve your requirement.

- **Integration**
  - **SQL Staging Table** A table has been added to the database that allows integrators to create or update person / asset records using SQL instead of needing to use the API.

- **Similar Matches**
  - **Areas** Added similar matches for areas. This helps reduce the number of duplicate areas configured for large systems by showing how similar other areas are to the area that the user is currently editing.

- **Dashboard** - Support was added for a restricted public dashboard. The dashboard can be accessed by using the same URL in your browser as normal, by replacing *"Dashboard.html"* with *"PublicDashboard.html"*

- **Time Patterns** Access time patterns and device time patterns have been updated to capture an end time instead of a duration.

- **Firmware Upgrade Utility** A new version of the firmware upgrade utility has been released. It encompasses finding controllers on the network and supports upgrading all devices connected to the controller with a single click as well as showing a tree of the controller and the hardware connected to it. The old firmware upgrade utility will be shipped with the new utility for this release but will be removed for the next release.

New Hardware

- **Wireless Module** The wireless module is a wireless cluster-bus extender. A minimum of two wireless modules are required for each extension. One master and one slave (Up to 3 slaves).
  - The total number of fixed addresses reporting to a master is limited to 17, this includes an address for each slave
  - DIP-Switch settings allow for a maximum of four pairs (groups) of wireless modules to share the same physical neighbourhood.