ProVider® 680   Application Brief

Versus® Real-Time Locating for Automated Staff Presence with One-Touch Communication

Application Overview:

Hectic hospital environments with finite resources can benefit from tools that streamline processes and keep track of a myriad of staff, patients, and equipment throughout a nursing unit and the entire facility. Real-Time Locating Systems (RTLS) offer solutions to locate staff, track patients as they move through the clinic and tests, and track equipment. One of the most popular RTLS systems on the market is made by Versus. It consists of a network of sensors in rooms and corridors to locate tags carried by patients, staff, and/or equipment that transmit a unique ID for each tag.

When integrated with Provider 680 nurse call, the Versus RTLS system automates the process of registering caregivers in and out of patient rooms which in turn indicates the staff's presence at the dome light, clears any outstanding service request or routine patient calls in the rooms, and makes the caregiver's location available at nurse consoles for easy communication with the desired caregiver. In addition to the time and step saving operation of automating the staff presence process, the ability to locate staff and directly communicate with them significantly reduces overhead paging which is a major complaint of many patients. For administrators and managers, if the Provider 680 system also includes the EIS Logging and Reporting option, the automated staff registration is consistently logged and the facility now has a record of all patient and staff interactions.

Feature/Benefits:

- **Automatic Registration** — upon entering a patient room, the staff member is automatically registered into the room without having to hit a button. When the staff member exits the room they are also automatically registered out. When staff automatically register into a room:

  ➢ The Dome Light outside of the room lights with the staff level (green or yellow). Staff can look down the corridor and quickly see rooms with staff members which can be time-saving when they need assistance from another caregiver

  ➢ Existing service requirements (flashing green or yellow) are automatically cleared based on the level of the staff member

  ➢ Routine patient calls are cleared so the caregiver doesn't need to reach behind the patient's bed to hit the cancel button on the patient station

  ➢ The staff member's level are registered into the room for locating/communication from associated Nurse Consoles

  ➢ Routine calls, placed from the patient station after staff are in the patient room, are upgraded to staff emergency calls

- **Staff Locations on PC Console Staff Display** – Through the 7985 PC Console option, RTLS staff locations are available on the White Board View and the Map View displays on any networked computer. The graphical Map View allows staff to physically see the location of other staff members relative to their own location.

- **Flexible Staff Assignments** – Using the 7980 Staff Assignment software, from any networked computer managers can assign Versus tags to staff and the level of staff they will register at the Dome Light and at the Nurse Consoles.

Key Users and Managers:

Nursing Managers/Nurses/Caregiver: Real-time locating makes it easy to find other staff members when they need assistance, eliminating the need to search the floor or use disruptive overhead paging. By glancing down the hall at the illuminated dome lights, a staff member can see which patients are currently receiving help from a staff member and which ones have yet to receive assistance. Caregivers save time through automatic registration and call cancel, allowing them to spend more time with their patients for increased patient satisfaction.

Administrator/Nursing Management: Real-time locating system (RTLS) eliminates the need to overhead page to find staff members; reducing overhead paging increases patient satisfaction. Automating the staff registration process in and out of patient rooms saves staff members wasted steps allowing more time for direct patient interaction, which increases staff and patient satisfaction. When real-time locating is combined with the 7983 EIS Logging and Reporting option, the automated logging of staff in and out of patient rooms provides accurate reports of patient/staff interaction and staff time in the patient room. Separate from the nurse call integration, administrators and managers will also be interested in the other RTLS features of tracking staff hand sanitization, patient tracking for clinics, and equipment tracking to save time searching for equipment and saves on additional equipment rental.

IT/Biomed: Because the real-time locating system (RTLS) is not integral to the life safety and alerting components of the Provider nurse call system, any issues with the facility's LAN or the locating system itself will not adversely affect the operation of the core nurse call system. The RTLS has software on the LAN and uses the LAN to interconnect components of the sensor network; this will be of interest to IT. The equipment locating and periodic maintenance tracking features of the RTLS will be of interest to Biomed outside of the integration with Provider 680 nurse call.