AirStrip ONE® enabling mobile access to patient physiological data

# AIRSTRIP®

**Challenge**

Alarm fatigue can compromise patient safety[1], as well as negatively impact productivity, workflow and costs.

**Solution**

Hospitals can improve the response time to critical events and reduce the risk of missed events.

Clinicians have access to alarm history and ECG snippets available with a single click

# AirStrip ONE® and Ascom: Unified Alarm Notification and Strengthened Patient Monitoring Workflow

## Improve efficiency and clinical communication

Using Ascom Myco™ mobile devices coupled with the AirStrip ONE platform and patient monitoring application, clinicians have near real-time access to event lists, alarm history and ECG snippets. Additional detail is available with a single click, including waveform history, physiological data and lab results.

## The Challenge

Alarms are a necessary component of patient care, helping to direct clinicians to potential changes in patient status, medication needs, requests for attention from patients and more. Medical units may experience hundreds of alarms daily, yet up to 99 percent of alarms require no intervention. As a result, nurses may experience 'alarm fatigue', with alarms unintentionally being missed or ignored. Alarm fatigue can compromise patient safety[1], as well as negatively impact productivity, workflow and costs.

The Joint Commission recently cited the need to address alarm fatigue as a critical access hospital priority and a national patient safety goal.[2]

[1] *The Joint Comission Sentinel Event Alert, Issue 50 – April 8, 2013*

[2] *The Joint Commission Announces 2014 National Patient Safety Goal," Joint Commission Perspectives®, July 2013, Volume 33, Issue 7 - Copyright 2013 The Joint Commission*

**Benefits**

- Ascom mobile access to near real-time alarm events & AirStrip waveforms
- HIPAA-compliant secure messaging to share event/data links
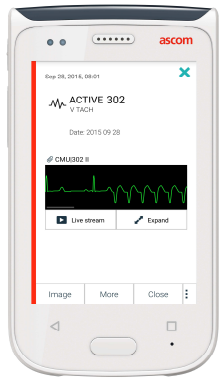- Supports smooth transitions between shifts

## The Ascom and AirStrip Solution architecture

This combined Ascom alarm notification and AirStrip remote patient monitoring solution enables the display of near-real-time waveforms and associated physiological and contextual data, all on mobile devices. The solution seamlessly fits into existing workflows, conveniently providing needed patient information regardless of the clinician's location. Using the Ascom Myco smart mobile device and AirStrip ONE, nurses can review a patient's alarm history and waveforms to determine next steps. Ascom can help hospitals improve response time to critical alerts and reduce the risk that they are missed.

The solution works with compatible monitors already in use, sending alarm information, demographics and waveforms to Ascom UNITE Axess and AirStrip ONE® for Patient Monitoring. The servers process and route information based on assignments posted in ASCOM UNITE Assign. Ascom Myco handsets display the alarm history and present care communication and response options.

Using AirStrip ONE, cardiac waveforms, invasive monitoring measures and associated vital signs data are displayed after the triggering event. Users can quickly zoom and scroll through historical waveform data, along with near real-time remote monitoring and 24-hour full disclosure reviews, enabling clinicians to quickly assess physiological data and waveform information prior to an alarm or sentinel event.

AirStrip ONE mobilizes contextual data that is useful during:

- Critical care and telemetry monitoring
- Care protocols
- Patient transport remote view, such as telemetry to radiology transport
- Patient ambulation
- Physician and/or nursing collaboration via secure messaging
- Care team rounds

### Features and Benefits

- Using Ascom, facilities can establish which alerts are sent directly to a nurse's mobile device
- Ascom enables nurses to view alarm events and near real-time waveforms without running to the Central Station and/or the patient's room
- Nurses can view all events for handoff between shifts to help document trends
- HIPAA-compliant secure messaging can be used to share specific event/data links with other care team members
- By providing near real-time data and context at the point of care, clinicians can make faster and more informed decisions, which can positively impact clinical and patient satisfaction

### Solution Components

- Compatible Monitors/Tele sets
- Ascom UNITE Axess App Server
- AirStrip ONE® for Patient Monitoring
- Ascom Myco smart mobile device

## Summary

Nurses face extraordinary workload challenges including a stream of alarms that consume time and disrupt patient care. The vast majority of alarms require no intervention, and caregivers can become desensitized to the point that truly critical alarms are missed. Ascom offers a mobile alert notification system that can reduce response times to critical alarms, while AirStrip® enables more informed decision-making at the point of care.



Display waveform image & associated physiological data on smartphones



Alert including ECG Snippet



Streaming Waveforms

**Supported markets**

United States, Canada and Australia

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