

## Risk Analysis Report.

### Pre-design Considerations

#### Power Supply

The unit is to be used in the Resuscitation Cabinet.

100% Oxygen is fed into the Cabinet from wall outlets.

This creates a risk if Oxygen leaks whilst the unit is on, and is increased if the Cabinet door is closed.

Battery power supply versions were therefore chosen.

Low voltage – less than 6 Volts was preferred.

#### Function

Display:

Options of:

- Real Time Clock
- Elapsed Time Clock
- Combination
- Alarm Indication Only

Display Size:

- Should be large enough to read at “1” metre
- Should inform of battery status
- Backlight is not required

Real Time Clock:

- Possible risk of time not in sync with other visible clocks in the room causing confusion

LED Alarm only:

- Adequate

Alarms:

- Audio: loudness controlled by ISO Standards
- Frequency: 1 Minute; 5 Minutes; 10 Minutes

Controls:

- Start
- Freeze (for reading only): timer is not stopped
- Reset: needs to be push and hold, or multiple push to prevent accidental stoppage