```
REM echo off
   @REM /* -----
           Covidien Copyright 2008
   @REM
   @REM
           File Name: 10039032 PB560 Pediatric Volume and Pressure Test Script
   @REM
   @REM
                     Script file to perform PB560 Pediatric Patient Circuit Tes
           Function:
   @REM
                  This file is executed by the OpenVent s/w tool p/n 10026042
   @REM
   @REM
10
   @REM
           History:
   @REM
    @REM
                                             Comment
                                 Author
           Revision
                      Date
    #REM
                                         Initial Version from PB540 10025468 Re
                  12-June-09 B.Hurd
    @REM
           X1
                              A.Donnelly Update to rev A for P4
                   23-Feb-10
15
    @REM
                                  No functional change to tests
    @REM
    @REM
                                         Add Targeted Vent for OpenVent 1.6.0.7
                  15-March-12 B.Hurd
    @REM
                                  universal test PC and Map T:\ to
    @REM
                                  \\galway1apo3\TESTRES$\PB560\%COMPUTERNAME%
20
   @REM
    @REM
                                         Changed I/E to Insp Time for all the c
               30-Nov-18
                          B.Hurd/
    @REM
                      C. Chiranji with CPU S/W. Correct test titles for Insp Ti
    @REM
                              to be in seconds.
    @REM
                              Update to new Insp Sens settings: OFF1=0p,2=1p,3=2
2.5
    @REM
                              4=3,5=4,6=5.
    @REM
                              Changed %TI SETTING% to I ADJUST ADJUST TI_CONTROL
    @REM
                              Update alarm compare commands to use parms
    @REM
                              HIGH_PRESSURE_ALARM and DISCONNECTION_ALARM
    @REM
                              for test report readability. These parms default
    @REM
                               to zero.
    @REM
                           Update test limits for monitored PEEP and monitored Pi
    GREM
                           from +/-(2+8\%) to +/-(2+4\%) to align with new Homecare
    @REM
                           According to EN 80601-2-72:2015 Clause 201.12.4.102,
    @REM
                           Indicated Airway pressure accuracy shall be within \pm (
35
    @REM
                           Update SafetyPressure from 60 to 90 to match change pe
    @REM
                           SCR195 CDP-00014971 which has been made to align with
    @REM
                           Homecare Standard (EN 80601-2-72:2015) Clause 201.12.4
    @REM
    @REM
40
    @REM
                GREM .
    @REM ----- References -----
    @REM [1] PB540/PB560 Volume and Pressure Tests, Manuf Test Spec Doc, P/N 10025
    @REM [2] OpenVent Software Specification, P/N 10026043
45
    @REM ----- Comparison Operators -----
    @REM
     @REM EQU - Equal To
    @REM NEQ - Not Equal To
@REM LSS - Less Than
     @REM LEQ - Less Than or Equal To
     @REM GTR - Greater Than
     @REM GEQ - Greater Than or Equal To
     @REM
     @REM -----
 55
     @REM -----
         :CHK DRV MAP560
 60
            CHECK FOR MAPPED NETWORK DRIVE T:\PB560
      ECHO
      IF EXIST T:\PB560 GOTO CHK DRV MAP560 END
     <code>@REM</code> delete previsous T:\ mapping to other PB model
      net use T: /DELETE
            T:\DRIVE IS NOT MAPED
      ECHO
            MAPPING DRIVE T:\ to \\galway1apo3\TESTRES$\PB560\%COMPUTERNAME%
      ECHO
 70
      net use T: \\galwaylapo3\TESTRES$\PB560\%COMPUTERNAME%
```

```
:CHK DRV MAP560 END
    @REM -----
75
    @REM ----- Constants -----
    set output dir="T:\PB560\Final Test\Ped"
    set report_name="PB560 Pediatric Volume and Pressure Tests"
    set compliance=C3
80
   set resistance=R50
    @REM ----- Test Program Link -----
    @REM This line inserts the link to program testventil.exe
    @REM %TestProgram% represents the path for testventil.exe
    set TestProgram="C:\Program Files\OpenVent\testventil\testventil.exe"
    set GenerateProgram="C:\Program Files\Openvent\GenerateReport.exe"
    REM ----- Targeted vent -----
    SET pTargetedVent=40966
90
    @REM ----- Creation of the XML output file -----
    REM add 'draw' at end of command to generate curves for report
    call %TestProgram% -F %output_dir% %report_name% %compliance% %resistance%
    IF %ERRORLEVEL% NEQ 0 GOTO end
95
    REM ----- Zero PTS2000 Low Pres Input -----
    call %TestProgram% -Z
    IF %ERRORLEVEL% NEQ 0 GOTO end
100
    REM ----- Ped Circuit 'Yes' -----
    call %TestProgram% -R CONFIG ADJUST PEDIATRIC CIRCUIT 1
    IF %ERRORLEVEL% NEQ 0 GOTO end
105
    REM ----- Relative pressure 'Yes' -----
     call %TestProgram% -R CONFIG PRESSURE SUPPORT RELATIVE 1
    IF %ERRORLEVEL% NEQ 0 GOTO end
    REM ----- VOL AC 50mL Test -----
        SET title="Mode= VOL, Vol=50mL, Rate=30, Insp time= 0.7s, Peep=0, Insp Sen
        REM modes: VOL=0 PRES=1 PSVT=2 VSIMV=3 CPAP=4
115
        call %TestProgram% -R CONFIG ADJUST_MODE 0
        IF %ERRORLEVEL% NEQ 0 GOTO end
        REM Set PIP widest alarm imits 20-600 (note: 20 equals 2)
120
         call %TestProgram% -R ADJUST_ADJUST LOW PIP 20
         IF %ERRORLEVEL% NEQ 0 GOTO end
         call %TestProgram% -R ADJUST ADJUST HIGH PIP 600
         IF %ERRORLEVEL% NEQ 0 GOTO end
125
         REM ----- Set Alarm Limits to OFF -----
         call %TestProgram% -R ADJUST_LOW_VTE_NO_SELECT 1
         IF %ERRORLEVEL% NEQ 0 GOTO end
         call %TestProgram% -R ADJUST_HIGH_VTE_NO_SELECT 1
         IF %ERRORLEVEL% NEQ 0 GOTO end
130
         call %TestProgram% -R CONFIG_FIO2 HIGH SELECT 0
         IF %ERRORLEVEL% NEQ 0 GOTO end
         call %TestProgram% -R CONFIG_FIO2_LOW_SELECT 0
         IF %ERRORLEVEL% NEQ 0 GOTO end
135
         REM Turn OFF Barometric Compensation (0 = OFF)
         call %TestProgram% -R CONFIG_ADJUST_BAROMETRIC_CORRECTOR 0
         IF %ERRORLEVEL% NEQ 0 GOTO end
         REM set PEEP to 0
140
         call %TestProgram% -R ADJUST PEEP NO SELECT 0
         IF %ERRORLEVEL% NEQ 0 GOTO end
         call %TestProgram% -R ADJUST_ADJUST_PEEP 0
         IF %ERRORLEVEL% NEQ 0 GOTO end
```

145	<pre>REM RAMP 0 = Slope, RAMP 1 = Rectangle call %TestProgram% -R ADJUST_ADJUST_RAMP 0 IF %ERRORLEVEL% NEQ 0 GOTO end</pre>
150	REM Insp Time call %TestProgram% -R ADJUST_ADJUST_TI_CONTROL 700
155	REM allow insp sens trigger setting to 5 call %TestProgram% -R ADJUST_ADJUST_INSP_SENS 6 IF %ERRORLEVEL% NEQ 0 GOTO end
160	REM Set R-Rate call %TestProgram% -R ADJUST_ADJUST_CONTROL_R 30 IF %ERRORLEVEL% NEQ 0 GOTO end
165	REM Set volume (mL) call %TestProgram% -R ADJUST_ADJUST_VOL_CONTROL 50 IF %ERRORLEVEL% NEQ 0 GOTO end
165	
	REM REFRESH VENTILATOR SCREEN REM (cursor needs to be on the first setting at the top of the main menu i
170	call %TestProgram% -R KEYBOARD_KEYBOARD_UP_EVENT 1 IF %ERRORLEVEL% NEQ 0 GOTO end REM call %TestProgram% -R KEYBOARD_KEYBOARD_VALID_EVENT 1
175	IF %ERRORLEVEL% NEQ 0 GOTO end REM call %TestProgram% -R KEYBOARD KEYBOARD_DOWN_EVENT 1
180	IF %ERRORLEVEL% NEQ 0 GOTO end REM call %TestProgram% -R KEYBOARD_KEYBOARD_VALID_EVENT 1 IF %ERRORLEVEL% NEQ 0 GOTO end
100	REM call %TestProgram% -R KEYBOARD_KEYBOARD_VALID_EVENT 1 IF %ERRORLEVEL% NEQ 0 GOTO end
185	REM call %TestProgram% -R KEYBOARD_KEYBOARD_UP_EVENT 1 IF %ERRORLEVEL% NEQ 0 GOTO end REM
190	call %TestProgram% -R KEYBOARD_KEYBOARD_VALID_EVENT 1 IF %ERRORLEVEL% NEQ 0 GOTO end REM call %TestProgram% -R KEYBOARD_KEYBOARD_DOWN_EVENT 1
	IF %ERRORLEVEL% NEQ 0 GOTO end REM
195	REM SETTINGS COMPARISONS compares Vent settings to PTS2000 measurem SET peep_tolerance=1.5
	SET VOL SETTING=50 REM Vti/Vte Tolerance is 10% + 10ml
200	
200	call %TestProgram% -C %VOL_SETTING% VTI 10p+10 IF %ERRORLEVEL% NEQ 0 GOTO end call %TestProgram% -C I_ADJUST_ADJUST_CONTROL_R RATE 1
205	IF %ERRORLEVEL% NEQ 0 GOTO end call %TestProgram% -C I ADJUST ADJUST PEEP/10 PEEP %peep tolerance% IF %ERRORLEVEL% NEQ 0 GOTO end call %TestProgram% -C I ADJUST ADJUST TI CONTROL TI 10p IF %ERRORLEVEL% NEQ 0 GOTO end
210	
210	REM MONITORED VALUES compares vent measurements to PTS2000 measure REM Vent measured PIP/PEEP Tolerance 8% + 2cmH20
215	call %TestProgram% -C I_COMPUTE_COMPUTED_VTI VTI 10p+10 IF %ERRORLEVEL% NEQ 0 GOTO end call %TestProgram% -C E_COMPUTE_COMPUTED_VTE VTI 10p+10

	IF %ERRORLEVEL% NEQ 0 GOTO end
220	call %TestProgram% -C I_COMPUTE_MEASURE_R RATE 1 IF %ERRORLEVEL% NEQ 0 GOTO end call %TestProgram% -C PMAX I_COMPUTE_COMPUTED_PIP/10 4p+2 IF %ERRORLEVEL% NEQ 0 GOTO end
225	call %TestProgram% -C PEEP E_COMPUTE_COMPUTED_PEEP/10 %peep_tolerance% IF %ERRORLEVEL% NEQ 0 GOTO end call %TestProgram% -C I_COMPUTE_MEASURE_TI/E_COMPUTE_MEASURE_TE IE 10pIF %ERRORLEVEL% NEQ 0 GOTO end
230	REM Alarm Checks: Check High Pressure Alarm is not set call %TestProgram% -C HIGH_PRESSURE_ALARM I_ALARMS_ALARM_HIGH_PRESSURE IF %ERRORLEVEL% NEQ 0 GOTO end
235	REM Alarm Checks: Check Low Pressure Disconnection is not set call %TestProgram% -C DISCONNECTION_ALARM I_ALARMS_ALARM_DISCONNECTION IF %ERRORLEVEL% NEQ 0 GOTO end
240	REM Starts ventilation call %TestProgram% -R KEYBOARD_KEYBOARD_START_VENTIL_UP_EVENT 1 IF %ERRORLEVEL% NEQ 0 GOTO end
245	REM Perform 1 breath test after 20 breaths complete call %TestProgram% -E %title% 20 1 IF %ERRORLEVEL% NEQ 0 GOTO end
243	REM VENTILATION STOP call %TestProgram% -R KEYBOARD_KEYBOARD_STOP_VENTIL_EVENT 1 IF %ERRORLEVEL% NEQ 0 GOTO end
250	REM Pressure AC Ped 1 Test
255	SET title="Mode=PRES, Pres=10cmH2O, Rate=15, Insp time=1.5s, Peep=0, Insp
200	REM modes: VOL=0 PRES=1 PSVT=2 VSIMV=3 CPAP=4 call %TestProgram% -R CONFIG_ADJUST_MODE 1 IF %ERRORLEVEL% NEQ 0 GOTO end
260	REM Set Alarm Limits to OFF call %TestProgram% -R ADJUST_LOW_VTI_NO_SELECT 1 IF %ERRORLEVEL% NEQ 0 GOTO end call %TestProgram% -R ADJUST_HIGH_VTI_NO_SELECT 1
265	IF %ERRORLEVEL% NEQ 0 GOTO end call %TestProgram% -R ADJUST_LOW_VTE_NO_SELECT 1 IF %ERRORLEVEL% NEO 0 GOTO end
270	call %TestProgram% -R ADJUST_HIGH_VTE_NO_SELECT 1 IF %ERRORLEVEL% NEQ 0 GOTO end call %TestProgram% -R CONFIG_FIO2_HIGH_SELECT 0 IF %ERRORLEVEL% NEQ 0 GOTO end call %TestProgram% -R CONFIG_FIO2_LOW_SELECT 0 IF %ERRORLEVEL% NEQ 0 GOTO end
275	REM Turn OFF Barometric Compensation (0 = OFF) call %TestProgram% -R CONFIG_ADJUST_BAROMETRIC_CORRECTOR 0 IF %ERRORLEVEL% NEQ 0 GOTO end
280	REM set PEEP to 0 call %TestProgram% -R ADJUST_PEEP_NO_SELECT 0 IF %ERRORLEVEL% NEQ 0 GOTO end call %TestProgram% -R ADJUST_ADJUST_PEEP 0 IF %ERRORLEVEL% NEQ 0 GOTO end
285	REM RAMP 0 call %TestProgram% -R ADJUST_ADJUST_RAMP 0 IF %ERRORLEVEL% NEQ 0 GOTO end
	REM Insp Time

	call %TestProgram% -R ADJUST_ADJUST_TI_CONTROL 1500
290	REM allow insp sens trigger setting to 5 call %TestProgram% -R ADJUST_ADJUST_INSP_SENS 6 IF %ERRORLEVEL% NEQ 0 GOTO end
295	REM Set R-Rate call %TestProgram% -R ADJUST_ADJUST_CONTROL_R 15 IF %ERRORLEVEL% NEQ 0 GOTO end
300	REM Set Pressure Control (X 10) call %TestProgram% -R ADJUST_ADJUST_P_CONTROL 100 IF %ERRORLEVEL% NEQ 0 GOTO end
305	REM REFRESH VENTILATOR SCREEN REM (cursor needs to be on the first setting at the top of the VOL menu) call %TestProgram% -R KEYBOARD_KEYBOARD_UP_EVENT 1 IF %ERRORLEVEL% NEQ 0 GOTO end
310	REM call %TestProgram% -R KEYBOARD_KEYBOARD_VALID_EVENT 1 IF %ERRORLEVEL% NEQ 0 GOTO end REM
	call %TestProgram% -R KEYBOARD_KEYBOARD_VALID_EVENT 1 IF %ERRORLEVEL% NEQ 0 GOTO end
315	REM call %TestProgram% -R KEYBOARD_KEYBOARD_DOWN_EVENT 1 IF %ERRORLEVEL% NEQ 0 GOTO end REM
220	REM SETTINGS COMPARISONS compares vent settings to PTS2000 measurem
320	SET peep_tolerance=1.5 call %TestProgram% -C I_ADJUST_ADJUST_P_CONTROL+I_ADJUST_ADJUST_PEEP/1 IF %ERRORLEVEL% NEQ 0 GOTO end call %TestProgram% -C I_ADJUST_ADJUST_CONTROL_R RATE 1
325	IF %ERRORLEVEL% NEQ 0 GOTO end call %TestProgram% -C I_ADJUST_ADJUST_PEEP/10 PEEP %peep_tolerance% IF %ERRORLEVEL% NEQ 0 GOTO end call %TestProgram% -C I ADJUST ADJUST_TI_CONTROL TI 10p
330	IF %ERRORLEVEL% NEQ 0 GOTO end
	REM MONITORED VALUES compares Vent measurements to PTS2000 measure REM Vent measured PIP/PEEP Tolerance 8% + 2cmH20
335	<pre>call %TestProgram% -C I_COMPUTE_MEASURE_R RATE 1 IF %ERRORLEVEL% NEQ 0 GOTO end call %TestProgram% -C PMAX I_COMPUTE_COMPUTED_PIP/10 4p+2 IF %ERRORLEVEL% NEQ 0 GOTO end</pre>
340	<pre>call %TestProgram% -C PEEP E_COMPUTE_COMPUTED_PEEP/10 %peep_tolerance% IF %ERRORLEVEL% NEQ 0 GOTO end call %TestProgram% -C I_COMPUTE_MEASURE_TI/E_COMPUTE_MEASURE_TE IE 10p IF %ERRORLEVEL% NEQ 0 GOTO end</pre>
345	REM Alarm Checks: Check High Pressure Alarm is not set call %TestProgram% -C HIGH_PRESSURE_ALARM I_ALARMS_ALARM_HIGH_PRESSURE IF %ERRORLEVEL% NEQ 0 GOTO end
350	REM Alarm Checks: Check Low Pressure Disconnection is not set call %TestProgram% -C DISCONNECTION_ALARM I_ALARMS_ALARM_DISCONNECTION IF %ERRORLEVEL% NEQ 0 GOTO end
355	REM Starts ventilation call %TestProgram% -R KEYBOARD_KEYBOARD_START_VENTIL_UP_EVENT 1 IF %ERRORLEVEL% NEQ 0 GOTO end
360	REM Perform 1 breath test after 20 breaths complete call %TestProgram% -E %title% 20 1 IF %ERRORLEVEL% NEQ 0 GOTO end

```
REM ----- VENTILATION STOP -----
         call %TestProgram% -R KEYBOARD_KEYBOARD_STOP_VENTIL_EVENT 1
         IF %ERRORLEVEL% NEQ 0 GOTO end
365
     REM ----- Pressure AC Ped 2 Test -----
         SET title="Mode=PRES, Pres=5cmH2O, Rate=15, Insp time=1.5s, Peep=5, Insp S
370
         REM modes: VOL=0 PRES=1 PSVT=2 VSIMV=3 CPAP=4
         call %TestProgram% -R CONFIG_ADJUST_MODE 1
         IF %ERRORLEVEL% NEQ 0 GOTO end
375
         REM Turn OFF Barometric Compensation (0 = OFF)
         call %TestProgram% -R CONFIG_ADJUST_BAROMETRIC_CORRECTOR 0
         IF %ERRORLEVEL% NEQ 0 GOTO end
         REM set PEEP to adj mode
380
         call %TestProgram% -R ADJUST_PEEP_NO_SELECT 0
         IF %ERRORLEVEL% NEQ 0 GOTO end
         call %TestProgram% -R ADJUST_ADJUST_PEEP 50
         IF %ERRORLEVEL% NEQ 0 GOTO end
385
         REM RAMP 0
         call %TestProgram% -R ADJUST_ADJUST_RAMP 0
         IF %ERRORLEVEL% NEQ 0 GOTO end
         REM Insp Time
390
         call %TestProgram% -R ADJUST ADJUST_TI CONTROL 1500
         REM allow insp sens trigger setting to 5
         call %TestProgram% -R ADJUST ADJUST INSP SENS 6
         IF %ERRORLEVEL% NEQ 0 GOTO end
395
         REM Set R-Rate
         call %TestProgram% -R ADJUST_ADJUST_CONTROL_R 15
          IF %ERRORLEVEL% NEQ 0 GOTO end
 400
          REM Set Pressure Control (X 10)
          call %TestProgram% -R ADJUST_ADJUST_P_CONTROL 50
          IF %ERRORLEVEL% NEQ 0 GOTO end
 405
          REM ----- REFRESH VENTILATOR SCREEN -----
          REM (cursor needs to be on the first setting at the top of the main menu i
          call %TestProgram% -R KEYBOARD_KEYBOARD_UP_EVENT 1
          IF %ERRORLEVEL% NEQ 0 GOTO end
 410
          call %TestProgram% -R KEYBOARD_KEYBOARD_VALID_EVENT 1
          IF %ERRORLEVEL% NEQ 0 GOTO end
          REM
          call %TestProgram% -R KEYBOARD_KEYBOARD_DOWN_EVENT 1
 415
          IF %ERRORLEVEL% NEQ 0 GOTO end
          call %TestProgram% -R KEYBOARD_KEYBOARD_VALID_EVENT 1
          IF %ERRORLEVEL% NEQ 0 GOTO end
 420
          call %TestProgram% -R KEYBOARD KEYBOARD VALID EVENT 1
          IF %ERRORLEVEL% NEQ 0 GOTO end
          call %TestProgram% -R KEYBOARD KEYBOARD UP EVENT 1
          IF %ERRORLEVEL% NEQ 0 GOTO end
 425
          REM
          call %TestProgram% -R KEYBOARD KEYBOARD_VALID_EVENT 1
          IF %ERRORLEVEL% NEQ 0 GOTO end
          REM
          call %TestProgram% -R KEYBOARD KEYBOARD DOWN EVENT 1
 430
          IF %ERRORLEVEL% NEQ 0 GOTO end
```

435	REM SETTINGS COMPARISONS compares vent settings to PTS2000 measurem call %TestProgram% -C I_ADJUST_ADJUST_P_CONTROL+I_ADJUST_ADJUST_PEEP/1 IF %ERRORLEVEL% NEQ 0 GOTO end call %TestProgram% -C I_ADJUST_ADJUST_CONTROL_R RATE 1
440	IF %ERRORLEVEL% NEQ 0 GOTO end call %TestProgram% -C I_ADJUST_ADJUST_PEEP/10 PEEP 10p+1 IF %ERRORLEVEL% NEQ 0 GOTO end call %TestProgram% -C I_ADJUST_ADJUST_TI_CONTROL TI 10p IF %ERRORLEVEL% NEQ 0 GOTO end
445	REM MONITORED VALUES compares Vent measurements to PTS2000 measure REM Vent measured PIP/PEEP Tolerance 8% + 2cmH20
450	call %TestProgram% -C I_COMPUTE_MEASURE_R RATE 1 IF %ERRORLEVEL% NEQ 0 GOTO end call %TestProgram% -C PMAX I_COMPUTE_COMPUTED_PIP/10 4p+2 IF %ERRORLEVEL% NEQ 0 GOTO end
455	call %TestProgram% -C PEEP E_COMPUTE_COMPUTED_PEEP/10 4p+2 IF %ERRORLEVEL% NEQ 0 GOTO end call %TestProgram% -C I_COMPUTE_MEASURE_TI/E_COMPUTE_MEASURE_TE IE 10p IF %ERRORLEVEL% NEQ 0 GOTO end
460	REM Alarm Checks: Check High Pressure Alarm is not set call %TestProgram% -C HIGH_PRESSURE_ALARM I_ALARMS_ALARM_HIGH_PRESSURE IF %ERRORLEVEL% NEQ 0 GOTO end
465	REM Alarm Checks: Check Low Pressure Disconnection is not set call %TestProgram% -C DISCONNECTION_ALARM I_ALARMS_ALARM_DISCONNECTION IF %ERRORLEVEL% NEQ 0 GOTO end
470	REM Starts ventilation call %TestProgram% -R KEYBOARD_KEYBOARD_START_VENTIL_UP_EVENT 1 IF %ERRORLEVEL% NEQ 0 GOTO end
	REM Perform 1 breath test after 20 breaths complete call %TestProgram% -E %title% 20 1 IF %ERRORLEVEL% NEQ 0 GOTO end
475	REM VENTILATION STOP Call %TestProgram% -R KEYBOARD_KEYBOARD_STOP_VENTIL_EVENT 1 IF %ERRORLEVEL% NEQ 0 GOTO end
480	
	REM Safety Pressure Test
485	SET title="Mode= Safety Pressure Test, Vol=400mL, Rate=15, Insp Time=1.5s,
	REM modes: VOL=0 PRES=1 PSVT=2 VSIMV=3 CPAP=4 call %TestProgram% -R CONFIG_ADJUST_MODE 0 IF %ERRORLEVEL% NEQ 0 GOTO end
490	IF SERRORLEVELS NEG O GOIO CHG
405	REM Set PIP alarm limits 20-900 (note: 20 equals 2) Set High limit = 90 call %TestProgram% -R ADJUST_ADJUST_LOW_PIP 20 IF %ERRORLEVEL% NEQ 0 GOTO end call %TestProgram% -R ADJUST_ADJUST_HIGH_PIP 900
495	IF %ERRORLEVEL% NEQ 0 GOTO end
500	REM Turn OFF Barometric Compensation (0 = OFF) call %TestProgram% -R CONFIG_ADJUST_BAROMETRIC_CORRECTOR 0 IF %ERRORLEVEL% NEQ 0 GOTO end
	REM set PEEP to 0 call %TestProgram% -R ADJUST_PEEP_NO_SELECT 0 IF %ERRORLEVEL% NEQ 0 GOTO end

505	<pre>call %TestProgram% -R ADJUST_ADJUST_PEEP 0 IF %ERRORLEVEL% NEQ 0 GOTO end</pre>
510	REM RAMP 0 = Slope, RAMP 1 = Rectangle call %TestProgram% -R ADJUST_ADJUST_RAMP 0 IF %ERRORLEVEL% NEQ 0 GOTO end
	REM Insp Time call %TestProgram% -R ADJUST_ADJUST_TI_CONTROL 1500
515	REM allow insp sens trigger setting to 5 call %TestProgram% -R ADJUST_ADJUST_INSP_SENS 6 IF %ERRORLEVEL% NEQ 0 GOTO end
520	REM Set R-Rate call %TestProgram% -R ADJUST_ADJUST_CONTROL_R 15 IF %ERRORLEVEL% NEQ 0 GOTO end
525	REM Set volume (mL) call %TestProgram% -R ADJUST_ADJUST_VOL_CONTROL 400 IF %ERRORLEVEL% NEQ 0 GOTO end
	REM REFRESH VENTILATOR SCREEN (cursor needs to be on the first set
530	call %TestProgram% -R KEYBOARD_KEYBOARD_UP_EVENT 1 IF %ERRORLEVEL% NEQ 0 GOTO end rem FOR /L %%p IN (0,1,1000) DO REM call %TestProgram% -R KEYBOARD_KEYBOARD_VALID_EVENT 1 IF %PROPORTERS NEO 0 GOTO and
535	IF %ERRORLEVEL% NEQ 0 GOTO end rem FOR /L %%p IN (0,1,1000) DO REM call %TestProgram% -R KEYBOARD KEYBOARD VALID EVENT 1 IF %ERRORLEVEL% NEQ 0 GOTO end rem FOR /L %%p IN (0,1,1000) DO REM
540	call %TestProgram% -R KEYBOARD_KEYBOARD_DOWN_EVENT 1 IF %ERRORLEVEL% NEQ 0 GOTO end
F.4.F	REM Safety Pressure Limit Test: Check Pressure to be 70-94cmH20 REM (TestPressure=82 +/- 12 [70-94cmH20]) SET TestPressure=82
545	call %TestProgram% -C %TestPressure% PMAX 12 IF %ERRORLEVEL% NEQ 0 GOTO end
550	REM Start ventilationcall %TestProgram% -R KEYBOARD_KEYBOARD_START_VENTIL_UP_EVENT 1 IF %ERRORLEVEL% NEQ 0 GOTO end
	REM Perform 1 breath test after 10 breath complete call %TestProgram% -E %title% 5 1 IF %ERRORLEVEL% NEQ 0 GOTO end
555	REM VENTILATION STOP Call %TestProgram% -R KEYBOARD_KEYBOARD_STOP_VENTIL_EVENT 1 IF %ERRORLEVEL% NEQ 0 GOTO end
560	
	REM High Pressure Alarm Test
565	SET title="Mode= High Pressure Alarm Test, Vol=400mL, Rate=15, Insp Time=1
E70	REM modes: VOL=0 PRES=1 PSVT=2 VSIMV=3 CPAP=4 call %TestProgram% -R CONFIG_ADJUST_MODE 0 IF %ERRORLEVEL% NEQ 0 GOTO end
570	REM Set PIP alarm limits 20-600 (note: 20 equals 2) High limit = 60
575	call %TestProgram% -R ADJUST_ADJUST_LOW_PIP 20 IF %ERRORLEVEL% NEQ 0 GOTO end call %TestProgram% -R ADJUST_ADJUST_HIGH_PIP 600 IF %ERRORLEVEL% NEQ 0 GOTO end

580	REM Turn OFF Barometric Compensation (0 = OFF) call %TestProgram% -R CONFIG_ADJUST_BAROMETRIC_CORRECTOR 0 IF %ERRORLEVEL% NEQ 0 GOTO end
585	REM set PEEP to 0 call %TestProgram% -R ADJUST_PEEP_NO_SELECT 0 IF %ERRORLEVEL% NEQ 0 GOTO end call %TestProgram% -R ADJUST_ADJUST_PEEP 0 IF %ERRORLEVEL% NEQ 0 GOTO end
590	REM RAMP 0 = Slope, RAMP 1 = Rectangle call %TestProgram% -R ADJUST_ADJUST_RAMP 0 IF %ERRORLEVEL% NEQ 0 GOTO end
	REM Insp Time call %TestProgram% -R ADJUST_ADJUST_TI_CONTROL 1500
595	REM allow insp sens trigger setting to 5 call %TestProgram% -R ADJUST_ADJUST_INSP_SENS 6 IF %ERRORLEVEL% NEQ 0 GOTO end
600	REM Set R-Rate call %TestProgram% -R ADJUST_ADJUST_CONTROL_R 15 IF %ERRORLEVEL% NEQ 0 GOTO end
605	REM Set volume (mL) call %TestProgram% -R ADJUST_ADJUST_VOL_CONTROL 400 IF %ERRORLEVEL% NEQ 0 GOTO end
	REM REFRESH VENTILATOR SCREEN (cursor needs to be on the first set
610	call %TestProgram% -R KEYBOARD_KEYBOARD_UP_EVENT 1 IF %ERRORLEVEL% NEQ 0 GOTO end rem FOR /L %%p IN (0,1,1000) DO REM call %TestProgram% -R KEYBOARD_KEYBOARD_VALID_EVENT 1
615	IF %ERRORLEVEL% NEQ 0 GOTO end rem FOR /L %%p IN (0,1,1000) DO REM call %TestProgram% -R KEYBOARD_KEYBOARD_VALID_EVENT 1 IF %ERRORLEVEL% NEQ 0 GOTO end rem FOR /L %%p IN (0,1,1000) DO REM
620	call %TestProgram% -R KEYBOARD_KEYBOARD_DOWN_EVENT 1 IF %ERRORLEVEL% NEQ 0 GOTO end
625	REM High Pressure Alarm Triggering: Check for High Pressure Alarm Eve call %TestProgram% -C 3 I_ALARMS_ALARM_HIGH_PRESSURE 0 IF %ERRORLEVEL% NEQ 0 GOTO end
	REM Alarm Checks: Check Low Pressure Disconnection is not set call %TestProgram% -C DISCONNECTION_ALARM I_ALARMS_ALARM_DISCONNECTION IF %ERRORLEVEL% NEQ 0 GOTO end
630	REM Alarm Checks: Check Proximal Pressure Disconnection is not set call %TestProgram% -C 0 I_ALARMS_ALARM_PROXI_DISCONNECTION 1 IF %ERRORLEVEL% NEQ 0 GOTO end
635	REM Start ventilation call %TestProgram% -R KEYBOARD_KEYBOARD_START_VENTIL_UP_EVENT 1 IF %ERRORLEVEL% NEQ 0 GOTO end
640	REM Perform 1 breath test after 5 breath complete call %TestProgram% -E %title% 5 1 IF %ERRORLEVEL% NEQ 0 GOTO end
645	REM VENTILATION STOP call %TestProgram% -R KEYBOARD_KEYBOARD_STOP_VENTIL_EVENT 1 IF %ERRORLEVEL% NEQ 0 GOTO end
7	REM Set Defualt Vent Settings

```
REM ----- in Volume mode -----
650
     REM modes: VOL=0 PRES=1 PSVT=2 VSIMV=3 CPAP=4
     call %TestProgram% -R CONFIG ADJUST MODE 0
     IF %ERRORLEVEL% NEQ 0 GOTO end
655
     REM set low Vte alarm limit to 300
     call %TestProgram% -R ADJUST LOW VTE NO_SELECT 0
     IF %ERRORLEVEL% NEQ 0 GOTO end
     call %TestProgram% -R ADJUST_ADJUST_LOW_VTE 300
    IF %ERRORLEVEL% NEQ 0 GOTO end
660
     REM set high Vte alarm limit to 1000
     call %TestProgram% -R ADJUST_HIGH_VTE_NO_SELECT 0
     IF %ERRORLEVEL% NEQ 0 GOTO end
     call %TestProgram% -R ADJUST ADJUST HIGH VTE 1000
665
     IF %ERRORLEVEL% NEQ 0 GOTO end
     REM set PEEP to 0
     call %TestProgram% -R ADJUST PEEP NO SELECT 0
     IF %ERRORLEVEL% NEQ 0 GOTO end
670
     call %TestProgram% -R ADJUST ADJUST PEEP 0
     IF %ERRORLEVEL% NEQ 0 GOTO end
     REM RAMP 0 = Slope, RAMP 1 = Rectangle
     call %TestProgram% -R ADJUST ADJUST RAMP 0
     IF %ERRORLEVEL% NEQ 0 GOTO end
     REM Insp Time
     call %TestProgram% -R ADJUST_ADJUST_TI CONTROL 1300
680
     REM allow insp sens trigger setting to 5
     call %TestProgram% -R ADJUST ADJUST INSP SENS 3
     IF %ERRORLEVEL% NEQ 0 GOTO end
685
     REM Set R-Rate
     call %TestProgram% -R ADJUST_ADJUST_CONTROL_R 13
     IF %ERRORLEVEL% NEQ 0 GOTO end
    REM Set volume (mL)
690
     call %TestProgram% -R ADJUST_ADJUST_VOL_CONTROL 500
     IF %ERRORLEVEL% NEQ 0 GOTO end
     REM ----- set pres mode -----
     REM Set default settings: Pres A/C, P Control = 15, Peep = OFF, Rate = 13
     REM Set I/E = 1:2.0, rise time = 2
     REM modes: VOL=0 PRES=1 PSVT=2 VSIMV=3 CPAP=4
     call %TestProgram% -R CONFIG ADJUST_MODE 1
    IF %ERRORLEVEL% NEQ 0 GOTO end
700
     REM Turn ON Barometric Compensation (1 = ON)
     call %TestProgram% -R CONFIG ADJUST BAROMETRIC_CORRECTOR 1
     IF %ERRORLEVEL% NEQ 0 GOTO end
705
     REM set low Vte alarm limit to 300
     call %TestProgram% -R ADJUST LOW VTE NO_SELECT 0
     IF %ERRORLEVEL% NEQ 0 GOTO end
     call %TestProgram% -R ADJUST ADJUST LOW VTE 300
     IF %ERRORLEVEL% NEQ 0 GOTO end
710
     REM set high Vte alarm limit to 1000
     call %TestProgram% -R ADJUST_HIGH_VTE_NO_SELECT 0
     IF %ERRORLEVEL% NEQ 0 GOTO end
     call %TestProgram% -R ADJUST ADJUST_HIGH_VTE 1000
     IF %ERRORLEVEL% NEQ 0 GOTO end
     REM set low Vti alarm limit to 300
     call %TestProgram% -R ADJUST LOW VTI_NO_SELECT 0
     IF %ERRORLEVEL% NEQ 0 GOTO end
```

```
10039032 Rev C
        call %TestProgram% -R ADJUST ADJUST LOW VTI 300
        IF %ERRORLEVEL% NEQ 0 GOTO end
        REM set high Vti alarm limit to 2000
       call %TestProgram% -R ADJUST_HIGH_VTI_NO_SELECT 0
  725
        IF %ERRORLEVEL% NEQ 0 GOTO end
        call %TestProgram% -R ADJUST_ADJUST_HIGH_VTI 2000
        IF %ERRORLEVEL% NEQ 0 GOTO end
       REM set High R = OFF
   730
        call %TestProgram% -R ADJUST HIGH R NO SELECT 1
        IF %ERRORLEVEL% NEQ 0 GOTO end
        REM set PEEP to 0
       call %TestProgram% -R ADJUST_PEEP_NO_SELECT 0
   735
        IF %ERRORLEVEL% NEQ 0 GOTO end
        call %TestProgram% -R ADJUST ADJUST PEEP 0
        IF %ERRORLEVEL% NEQ 0 GOTO end
   740
       REM Insp Time
        call %TestProgram% -R ADJUST ADJUST_TI CONTROL 1300
        REM allow insp sens trigger setting
        call %TestProgram% -R ADJUST_ADJUST_INSP_SENS 3
   745
        IF %ERRORLEVEL% NEQ 0 GOTO end
        REM Set R-Rate
        call %TestProgram% -R ADJUST ADJUST CONTROL R 13
   750
        IF %ERRORLEVEL% NEQ 0 GOTO end
        REM Set Pressure Control
        call %TestProgram% -R ADJUST_ADJUST_P CONTROL 150
        IF %ERRORLEVEL% NEQ 0 GOTO end
        REM ----- Relative pressure 'Off' -----
        call %TestProgram% -R CONFIG PRESSURE_SUPPORT_RELATIVE 0
       IF %ERRORLEVEL% NEQ 0 GOTO end
        REM ----- Ped Circuit 'Off' -----
        call %TestProgram% -R CONFIG_ADJUST_PEDIATRIC_CIRCUIT 0
        IF %ERRORLEVEL% NEQ 0 GOTO end
   765
        goto final
        :end
        PAUSE
   770
        REM ----- ERROR DETAILS -----
         IF %ERRORLEVEL% == 1 goto syntax_error
         IF %ERRORLEVEL% == 2 goto pts_error
   775
         IF %ERRORLEVEL% == 3 goto ventil_error
         IF %ERRORLEVEL% == 4 goto oxy_error
          IF %ERRORLEVEL% == 5 goto internal_error
   780
          goto final
    785
         :syntax error
```

echo ***********************

echo ***********************

Syntax error

790

echo *

echo *

echo *

```
10039032 Rev C
      goto final error
  795
     :pts error
      echo **********************
      echo *
      echo *
                PTS com error
  800
     echo *
      echo ********************
      goto final error
  805
        :ventil_error
      echo **********************
      echo *
               Ventil com error
      echo *
  810
     echo *
      echo *********************
      goto final error
  815
        :oxy error
      echo ***********************
      echo *
      echo *
                Oxygraph com error
  820 echo *
      echo *********************
      goto final error
  825
     :internal error
      echo *******************
      echo *
      echo *
                 Internal error
     echo *
  830
      echo *********************
      goto final_error
  835
        :final error
```

pause

exit ERRORLEVEL

840 :final

REM ----- Short Report generation -----

call %GenerateProgram% -simple

exit 0

845