

Lanemark

Configurable Post-Work Checks

CALIDUS eSERV

4th October 2013 - 0.2

Reference: FS 311926 309371-9/10

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1 Appendix A: Service Reports

1.1 Service Report - TX/TRX/MTX

SERVICE / COMMISSIONING REPORT - LANEMARK TX / TRX / MTX RANGES

SERVICE JOB NUMBER
CUSTOMER NAME
CUSTOMER REFERENCE NUMBER
SITE NAME (IF DIFFERENT TO CUSTOMER)
SITE REFERENCE NUMBER
SITE ADDRESS

SJ

CUSTOMER ORDER NUMBER
SITE CONTACT NAME
SITE CONTACT TEL NUMBER
MOBILE NUMBER
BURNER MODEL
BURNER SERIAL NUMBER
LANEMARK SERVICE ITEM NUMBER
APPLICATION
LOCATION ON SITE
REASON FOR SITE VISIT
OFFICE INSTRUCTION

DETAILS OF PARTS / MATERIALS USED DURING VISIT

PART NUMBER	DESCRIPTION	QTY
123456789	Spark Rod	1

ENGINEER VISIT COMMENTS

REVISIT REQUIRED

YES/NO

FOLLOW UP REQUIRED

YES/NO

SITE CONTACT NAME (PRINT)
SITE CONTACT SIGNATURE
SERVICE ENGINEER NAME (PRINT)
SERVICE ENGINEER SIGNATURE

IS BURNER SYSTEM SAFE FOR USE

YES
NO

REF TEST RESULTS

1	Differential Air Pressure (Cold)	(HI/LO or Mod Gas Only)	mbar
2	Differential Air Pressure (Hot)	(HI/LO or Mod Gas Only)	mbar
3	Air Differential Pressure at Low Fire (Cold)	(Gas/Air Mod)	Hz
4	Air Differential Pressure at High Fire (Cold)	(Gas/Air Mod)	Hz
5	Air Differential Pressure at Low Fire (Hot)	(Gas/Air Mod)	Hz
6	Air Differential Pressure at High Fire (Hot)	(Gas/Air Mod)	Hz
7	Air Pressure Switch Setting	(All Systems)	mbar
8	Air Pressure at Test Point	(HI/LO or Mod Gas Only)	mbar
9	Air Pressure Switch Setting at Test Point at Low Fire	(Gas/Air Mod)	Hz
10	Air Pressure Switch Setting at Test Point at High Fire	(Gas/Air Mod)	Hz
11	Initial Gas Pressure	(All Systems)	mbar
12	Gas Pressure at Start	(All Systems)	mbar
13	Gas Pressure at Low Fire	(All Systems)	mbar
14	Gas Pressure at High Fire	(All Systems)	mbar
15	Low Gas Pressure Switch Setting	(All Systems)	mbar
16	High Gas Pressure Switch Setting	(All Systems)	mbar
17	Flame Signal (High Fire)	(All Systems)	DCV/A
18	Process Temperature (Recorded During Visit)	(All Systems)	Max
19	Combustion Fan Motor	(All Systems)	3ph
20	Combustion Fan Motor Current at Low Fire	(All Systems)	Hz
21	Combustion Fan Motor Current at High Fire	(All Systems)	Amp
22	Combustion Readings	(All Systems)	CO2
23		(All Systems)	%
24		(All Systems)	CO
25	Flue Temperature at Low Fire	(All Systems)	°C
26	Flue Temperature at High Fire	(All Systems)	°C

POSITION OF EXHAUST DAMPER
FULLY OPEN FULLY CLOSED SET

THE TIMES GIVEN BELOW EXCLUDE TRAVEL TIME

DAY

DATE

START TIME

FINISH TIME

0 0 0 0

1

Ready for What's Next, Now™

1.1.1 Service Report - DB

SERVICE JOB NUMBER

SJ

CUSTOMER NAME

CUSTOMER REFERENCE NUMBER

SITE NAME (IF DIFFERENT TO CUSTOMER)

SITE REFERENCE NUMBER

SITE ADDRESS

ENGINEER VISIT COMMENTS

OFFICE INSTRUCTION

DETAILS OF PARTS / MATERIALS USED DURING VISIT

PART NUMBER

DESCRIPTION

QTY

12450101

Scrub Nod

1

TEST RESULTS

1 Air Differential Pressure

(Hail O or Max Gas Only)

mbars

Base

Exhaust

Request Required

YES

NO

2 Combustion Chamber Pressure

(Hail O or Max Gas Only)

mbars

mbars

mbars

Follow Up Required

YES

NO

3 Air Pressure Switch Setting

(All Systems)

mbars

mbars

mbars

Site Contact Name (Print)

4 Air Pressure Switch Setting at Test Point

(Hail O or Max Gas Only)

mbars

mbars

mbars

Site Contact Signature

5 Fuel Gas Pressure

(All Systems)

mbars

mbars

mbars

Service Engineer Name (Print)

6 Gas Pressure at Start

(All Systems)

mbars

mbars

mbars

Service Engineer Signature

7 Gas Pressure at High Fire

(All Systems)

mbars

mbars

mbars

8 Gas Pressure at Low Fire

(All Systems)

mbars

mbars

mbars

9 High Gas Pressure Switch Setting

(All Systems)

mbars

mbars

mbars

10 Low Gas Pressure Switch Setting

(All Systems)

mbars

mbars

mbars

11 Flame Signal (High Fire)

(All Systems)

DOJA

DOJA

DOJA

Day/Of

Date

Start

Finish

12 Combustion Fan Motor

(All Systems)

DOJA

DOJA

DOJA

Week

DDMMYY

Time

Time

13 Combustion Fan Motor

(All Systems)

DOJA

DOJA

DOJA

14 Combustion Fan Motor Current at Low Fire

(All Systems)

DOJA

DOJA

DOJA

15 Combustion Fan Motor Current at High Fire

(All Systems)

DOJA

DOJA

DOJA

16 Combustion Readings

(All Systems)

DOJA

DOJA

DOJA

17 Combustion Readings

(All Systems)

DOJA

DOJA

DOJA

18 Combustion Readings

(All Systems)

DOJA

DOJA

DOJA

1 OF 1

ALL TIMES PROVIDED ABOVE EXCLUDE TRAVEL TIME

IS BURNER SYSTEM SAFE FOR USE

YES

NO

2 Ready for What's Next, Now™

1.1.2 Service Report - FD/FDB

[illegible]

2 Appendix B: Test Results Configurations

2.1 Range TX/TRX/MTX

```

<FORM NAME="Test Results" REQUIRED="Y">
  <FIELD ID="1">
    <TEXT>Differential Air Pressure (Cold)</TEXT>
    <SUBTEXT>(HI/LO or Mod Gas Only)</SUBTEXT>
    <POST>mbar</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>Y</SKIPABLE>
  </FIELD>
  <FIELD ID="2">
    <TEXT>Differential Air Pressure (Hot)</TEXT>
    <SUBTEXT>(HI/LO or Mod Gas Only)</SUBTEXT>
    <POST>mbar</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>Y</SKIPABLE>
  </FIELD>
  <FIELD ID="3">
    <TEXT>Air Differential Pressure at Low Fire (Cold)</TEXT>
    <SUBTEXT>(Gas Air Mod)</SUBTEXT>
    <POST>Hz</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>Y</SKIPABLE>
  </FIELD>
  <FIELD ID="4" LINK="3">
    <TEXT>Air Differential Pressure at Low Fire (Cold)</TEXT>
    <SUBTEXT>(Gas Air Mod)</SUBTEXT>
    <POST>mbar</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>Y</SKIPABLE>
  </FIELD>
  <FIELD ID="5">
    <TEXT>Air Differential Pressure at High Fire (Cold)</TEXT>
    <SUBTEXT>(Gas Air Mod)</SUBTEXT>
    <POST>Hz</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>Y</SKIPABLE>
  </FIELD>
  <FIELD ID="6" LINK="5">
    <TEXT>Air Differential Pressure at High Fire (Cold)</TEXT>
    <SUBTEXT>(Gas Air Mod)</SUBTEXT>
    <POST>mbar</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>Y</SKIPABLE>
  </FIELD>
  <FIELD ID="7">
    <TEXT>Air Differential Pressure at Low Fire (Hot)</TEXT>
    <SUBTEXT>(Gas Air Mod)</SUBTEXT>
    <POST>Hz</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>Y</SKIPABLE>
  </FIELD>
  <FIELD ID="8" LINK="7">
    <TEXT>Air Differential Pressure at Low Fire (Hot)</TEXT>
    <SUBTEXT>(Gas Air Mod)</SUBTEXT>
    <POST>mbar</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>Y</SKIPABLE>
  </FIELD>
  <FIELD ID="9">

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    <TEXT>Air Differential Pressure at High Fire (Hot)</TEXT>
    <SUBTEXT>(Gas Air Mod)</SUBTEXT>
    <POST>Hz</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>Y</SKIPABLE>
</FIELD>
<FIELD ID="10" LINK="9">
    <TEXT>Air Differential Pressure at High Fire (Hot)</TEXT>
    <SUBTEXT>(Gas Air Mod)</SUBTEXT>
    <POST>mbar</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>Y</SKIPABLE>
</FIELD>
<FIELD ID="11">
    <TEXT>Air Pressure Switch Setting</TEXT>
    <SUBTEXT>(All Systems)</SUBTEXT>
    <POST>mbar</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>N</SKIPABLE>
</FIELD>
<FIELD ID="12">
    <TEXT>Air Pressure at Test Point</TEXT>
    <SUBTEXT>(HI/LO or Mod Gas Only)</SUBTEXT>
    <POST>mbar</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>Y</SKIPABLE>
</FIELD>
<FIELD ID="13">
    <TEXT>Air Pressure Switch Setting at Test Point at Low Fire</TEXT>
    <SUBTEXT>(Gas Air Mod)</SUBTEXT>
    <POST>Hz</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>Y</SKIPABLE>
</FIELD>
<FIELD ID="14" LINK="13">
    <TEXT>Air Pressure Switch Setting at Test Point at Low Fire</TEXT>
    <SUBTEXT>(Gas Air Mod)</SUBTEXT>
    <POST>mbar</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>Y</SKIPABLE>
</FIELD>
<FIELD ID="15">
    <TEXT>Air Pressure Switch Setting at Test Point at High Fire</TEXT>
    <SUBTEXT>(Gas Air Mod)</SUBTEXT>
    <POST>Hz</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>Y</SKIPABLE>
</FIELD>
<FIELD ID="16" LINK="15">
    <TEXT>Air Pressure Switch Setting at Test Point at High Fire</TEXT>
    <SUBTEXT>(Gas Air Mod)</SUBTEXT>
    <POST>mbar</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>Y</SKIPABLE>
</FIELD>
<FIELD ID="17">
    <TEXT>Inlet Gas Pressure</TEXT>
    <SUBTEXT>(All Systems)</SUBTEXT>
    <POST>mbar</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>N</SKIPABLE>
</FIELD>
<FIELD ID="18">
    <TEXT>Gas Pressure at Start</TEXT>

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    <SUBTEXT>(All Systems) Comp. Air: Yes</SUBTEXT>
    <POST>mbar</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>N</SKIPABLE>
</FIELD>
<FIELD ID="19">
    <TEXT>Gas Pressure at Low Fire</TEXT>
    <SUBTEXT>(All Systems) Comp. Air: Yes</SUBTEXT>
    <POST>mbar</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>N</SKIPABLE>
</FIELD>
<FIELD ID="20">
    <TEXT>Gas Pressure at High Fire</TEXT>
    <SUBTEXT>(All Systems) Comp. Air: Yes</SUBTEXT>
    <POST>mbar</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>N</SKIPABLE>
</FIELD>
<FIELD ID="21">
    <TEXT>Low Gas Pressure Switch Setting</TEXT>
    <SUBTEXT>(All Systems)</SUBTEXT>
    <POST>mbar</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>N</SKIPABLE>
</FIELD>
<FIELD ID="22">
    <TEXT>High Gas Pressure Switch Setting</TEXT>
    <SUBTEXT>(All Systems)</SUBTEXT>
    <POST>mbar</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>N</SKIPABLE>
</FIELD>
<FIELD ID="23">
    <TEXT>Flame Signal (High Fire)</TEXT>
    <SUBTEXT>(All Systems)</SUBTEXT>
    <POST>DC uA</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>N</SKIPABLE>
</FIELD>
<FIELD ID="24">
    <TEXT>Process Temperature (Recorded During Visit)</TEXT>
    <SUBTEXT>(All Systems) o C</SUBTEXT>
    <POST>Min</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>N</SKIPABLE>
</FIELD>
<FIELD ID="25" LINK="24">
    <TEXT>Process Temperature (Recorded During Visit)</TEXT>
    <SUBTEXT>(All Systems) o C</SUBTEXT>
    <POST>Max</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>N</SKIPABLE>
</FIELD>
<FIELD ID="26">
    <TEXT>Combusion Fan Motor</TEXT>
    <SUBTEXT>(All Systems)</SUBTEXT>
    <FORMAT>DDL</FORMAT>
    <SKIPABLE>N</SKIPABLE>
    <ITEMS>
        <ITEM CODE="1ph" DEFAULT="Y">1ph</ITEM>
        <ITEM CODE="3ph">3ph</ITEM>
    </ITEMS>
</FIELD>

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<FIELD ID="27">
  <TEXT>Combustion Fan Motor Current at Low Fire</TEXT>
  <SUBTEXT>(All Systems)</SUBTEXT>
  <POST>Hz</POST>
  <FORMAT>N</FORMAT>
  <SKIPABLE>N</SKIPABLE>
</FIELD>
<FIELD ID="28" LINK="27">
  <TEXT>Combustion Fan Motor Current at Low Fire</TEXT>
  <SUBTEXT>(All Systems)</SUBTEXT>
  <POST>Amp</POST>
  <FORMAT>N</FORMAT>
  <SKIPABLE>N</SKIPABLE>
</FIELD>
<FIELD ID="29">
  <TEXT>Combustion Fan Motor Current at High Fire</TEXT>
  <SUBTEXT>(All Systems)</SUBTEXT>
  <POST>Hz</POST>
  <FORMAT>N</FORMAT>
  <SKIPABLE>N</SKIPABLE>
</FIELD>
<FIELD ID="30" LINK="29">
  <TEXT>Combustion Fan Motor Current at High Fire</TEXT>
  <SUBTEXT>(All Systems)</SUBTEXT>
  <POST>Amp</POST>
  <FORMAT>N</FORMAT>
  <SKIPABLE>N</SKIPABLE>
</FIELD>
<FIELD ID="31">
  <TEXT>Combustion Readings - O2</TEXT>
  <SUBTEXT>(All Systems)</SUBTEXT>
  <POST>%</POST>
  <FORMAT>N</FORMAT>
  <SKIPABLE>N</SKIPABLE>
</FIELD>
<FIELD ID="32">
  <TEXT>Combustion Readings - CO2</TEXT>
  <SUBTEXT>(All Systems)</SUBTEXT>
  <POST>%</POST>
  <FORMAT>N</FORMAT>
  <SKIPABLE>N</SKIPABLE>
</FIELD>
<FIELD ID="33">
  <TEXT>Combustion Readings - CO</TEXT>
  <SUBTEXT>(All Systems)</SUBTEXT>
  <POST>ppm</POST>
  <FORMAT>N</FORMAT>
  <SKIPABLE>N</SKIPABLE>
</FIELD>
<FIELD ID="34">
  <TEXT>Flue Temperature at Low Fire</TEXT>
  <SUBTEXT>(All Systems)</SUBTEXT>
  <POST>o C</POST>
  <FORMAT>N</FORMAT>
  <SKIPABLE>N</SKIPABLE>
</FIELD>
<FIELD ID="35">
  <TEXT>Flue Temperature at High Fire</TEXT>
  <SUBTEXT>(All Systems)</SUBTEXT>
  <POST>o C</POST>
  <FORMAT>N</FORMAT>
  <SKIPABLE>N</SKIPABLE>
</FIELD>
<BUTTON CONFIRM="Confirm all Test Results are completed">

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<TYPE>C</TYPE>  
<TEXT>Complete</TEXT>  
</BUTTON>  
</FORM>
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2.1.1 Range DB

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<FORM NAME="Test Results" REQUIRED="Y">
  <FIELD ID="1">
    <TEXT>Air Differential Pressure </TEXT>
    <SUBTEXT>(HI/LO or Mod Gas Only)</SUBTEXT>
    <GROUP>Spray</GROUP>
    <POST>mbar</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>Y</SKIPABLE>
  </FIELD>
  <FIELD ID="2" LINK="1">
    <TEXT>Air Differential Pressure </TEXT>
    <SUBTEXT>(HI/LO or Mod Gas Only)</SUBTEXT>
    <GROUP>Bake</GROUP>
    <POST>mbar</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>Y</SKIPABLE>
  </FIELD>
  <FIELD ID="3" LINK="1">
    <TEXT>Air Differential Pressure </TEXT>
    <SUBTEXT>(HI/LO or Mod Gas Only)</SUBTEXT>
    <GROUP>Economy</GROUP>
    <POST>mbar</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>Y</SKIPABLE>
  </FIELD>
  <FIELD ID="4">
    <TEXT>Combustion Chamber Pressure </TEXT>
    <SUBTEXT>(HI/LO or Mod Gas Only)</SUBTEXT>
    <GROUP>Spray</GROUP>
    <POST>mbar</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>Y</SKIPABLE>
  </FIELD>
  <FIELD ID="5" LINK="4">
    <TEXT>Combustion Chamber Pressure </TEXT>
    <SUBTEXT>(HI/LO or Mod Gas Only)</SUBTEXT>
    <GROUP>Bake</GROUP>
    <POST>mbar</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>Y</SKIPABLE>
  </FIELD>
  <FIELD ID="6" LINK="4">
    <TEXT>Combustion Chamber Pressure </TEXT>
    <SUBTEXT>(HI/LO or Mod Gas Only)</SUBTEXT>
    <GROUP>Economy</GROUP>
    <POST>mbar</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>Y</SKIPABLE>
  </FIELD>
  <FIELD ID="7">
    <TEXT>Air Pressure Switch Setting</TEXT>
    <SUBTEXT>(All Systems)</SUBTEXT>
    <GROUP>Spray</GROUP>
    <POST>mbar</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>N</SKIPABLE>
  </FIELD>
  <FIELD ID="8" LINK="7">
    <TEXT>Air Pressure Switch Setting</TEXT>
    <SUBTEXT>(All Systems)</SUBTEXT>
    <GROUP>Bake</GROUP>
    <POST>mbar</POST>

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    <FORMAT>N</FORMAT>
    <SKIPABLE>N</SKIPABLE>
</FIELD>
<FIELD ID="9" LINK="7">
    <TEXT>Air Pressure Switch Setting</TEXT>
    <SUBTEXT>(All Systems)</SUBTEXT>
    <GROUP>Economy</GROUP>
    <POST>mbar</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>N</SKIPABLE>
</FIELD>
<FIELD ID="10">
    <TEXT>Air Pressure Switch Setting at Test Point</TEXT>
    <SUBTEXT>(HI/LO or Mod Gas Only)</SUBTEXT>
    <GROUP>Spray</GROUP>
    <POST>mbar</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>Y</SKIPABLE>
</FIELD>
<FIELD ID="11" LINK="10">
    <TEXT>Air Pressure Switch Setting at Test Point</TEXT>
    <SUBTEXT>(HI/LO or Mod Gas Only)</SUBTEXT>
    <GROUP>Bake</GROUP>
    <POST>mbar</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>Y</SKIPABLE>
</FIELD>
<FIELD ID="12" LINK="10">
    <TEXT>Air Pressure Switch Setting at Test Point</TEXT>
    <SUBTEXT>(HI/LO or Mod Gas Only)</SUBTEXT>
    <GROUP>Economy</GROUP>
    <POST>mbar</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>Y</SKIPABLE>
</FIELD>
<FIELD ID="13">
    <TEXT>Inlet Gas Pressure</TEXT>
    <SUBTEXT>(All Systems)</SUBTEXT>
    <GROUP>Spray</GROUP>
    <POST>mbar</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>N</SKIPABLE>
</FIELD>
<FIELD ID="14" LINK="13">
    <TEXT>Inlet Gas Pressure</TEXT>
    <SUBTEXT>(All Systems)</SUBTEXT>
    <GROUP>Bake</GROUP>
    <POST>mbar</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>N</SKIPABLE>
</FIELD>
<FIELD ID="15" LINK="13">
    <TEXT>Inlet Gas Pressure</TEXT>
    <SUBTEXT>(All Systems)</SUBTEXT>
    <GROUP>Economy</GROUP>
    <POST>mbar</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>N</SKIPABLE>
</FIELD>
<FIELD ID="16">
    <TEXT>Gas Pressure at Start</TEXT>
    <SUBTEXT>(All Systems) Comp. Air: Yes</SUBTEXT>
    <GROUP>Spray</GROUP>
    <POST>mbar</POST>

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    <FORMAT>N</FORMAT>
    <SKIPABLE>N</SKIPABLE>
</FIELD>
<FIELD ID="17" LINK="16">
    <TEXT>Gas Pressure at Start</TEXT>
    <SUBTEXT>(All Systems) Comp. Air: Yes</SUBTEXT>
    <GROUP>Bake</GROUP>
    <POST>mbar</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>N</SKIPABLE>
</FIELD>
<FIELD ID="18" LINK="16">
    <TEXT>Gas Pressure at Start</TEXT>
    <SUBTEXT>(All Systems) Comp. Air: Yes</SUBTEXT>
    <GROUP>Economy</GROUP>
    <POST>mbar</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>N</SKIPABLE>
</FIELD>
<FIELD ID="19">
    <TEXT>Gas Pressure at Low Fire</TEXT>
    <SUBTEXT>(All Systems) Comp. Air: Yes</SUBTEXT>
    <GROUP>Spray</GROUP>
    <POST>mbar</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>N</SKIPABLE>
</FIELD>
<FIELD ID="20" LINK="19">
    <TEXT>Gas Pressure at Low Fire</TEXT>
    <SUBTEXT>(All Systems) Comp. Air: Yes</SUBTEXT>
    <GROUP>Bake</GROUP>
    <POST>mbar</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>N</SKIPABLE>
</FIELD>
<FIELD ID="21" LINK="19">
    <TEXT>Gas Pressure at Low Fire</TEXT>
    <SUBTEXT>(All Systems) Comp. Air: Yes</SUBTEXT>
    <GROUP>Economy</GROUP>
    <POST>mbar</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>N</SKIPABLE>
</FIELD>
<FIELD ID="22">
    <TEXT>Gas Pressure at High Fire</TEXT>
    <SUBTEXT>(All Systems) Comp. Air: Yes</SUBTEXT>
    <GROUP>Spray</GROUP>
    <POST>mbar</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>N</SKIPABLE>
</FIELD>
<FIELD ID="23" LINK="22">
    <TEXT>Gas Pressure at High Fire</TEXT>
    <SUBTEXT>(All Systems) Comp. Air: Yes</SUBTEXT>
    <GROUP>Bake</GROUP>
    <POST>mbar</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>N</SKIPABLE>
</FIELD>
<FIELD ID="24" LINK="22">
    <TEXT>Gas Pressure at High Fire</TEXT>
    <SUBTEXT>(All Systems) Comp. Air: Yes</SUBTEXT>
    <GROUP>Economy</GROUP>
    <POST>mbar</POST>

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    <FORMAT>N</FORMAT>
    <SKIPABLE>N</SKIPABLE>
</FIELD>
<FIELD ID="25">
    <TEXT>Low Gas Pressure Switch Setting</TEXT>
    <SUBTEXT>(All Systems)</SUBTEXT>
    <GROUP>Spray</GROUP>
    <POST>mbar</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>N</SKIPABLE>
</FIELD>
<FIELD ID="26" LINK="25">
    <TEXT>Low Gas Pressure Switch Setting</TEXT>
    <SUBTEXT>(All Systems)</SUBTEXT>
    <GROUP>Bake</GROUP>
    <POST>mbar</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>N</SKIPABLE>
</FIELD>
<FIELD ID="27" LINK="25">
    <TEXT>Low Gas Pressure Switch Setting</TEXT>
    <SUBTEXT>(All Systems)</SUBTEXT>
    <GROUP>Economy</GROUP>
    <POST>mbar</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>N</SKIPABLE>
</FIELD>
<FIELD ID="28">
    <TEXT>High Gas Pressure Switch Setting</TEXT>
    <SUBTEXT>(All Systems)</SUBTEXT>
    <GROUP>Spray</GROUP>
    <POST>mbar</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>N</SKIPABLE>
</FIELD>
<FIELD ID="29" LINK="28">
    <TEXT>High Gas Pressure Switch Setting</TEXT>
    <SUBTEXT>(All Systems)</SUBTEXT>
    <GROUP>Bake</GROUP>
    <POST>mbar</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>N</SKIPABLE>
</FIELD>
<FIELD ID="30" LINK="28">
    <TEXT>High Gas Pressure Switch Setting</TEXT>
    <SUBTEXT>(All Systems)</SUBTEXT>
    <GROUP>Economy</GROUP>
    <POST>mbar</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>N</SKIPABLE>
</FIELD>
<FIELD ID="31">
    <TEXT>Flame Signal (High Fire)</TEXT>
    <SUBTEXT>(All Systems)</SUBTEXT>
    <GROUP>Spray</GROUP>
    <POST>DCμA</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>N</SKIPABLE>
</FIELD>
<FIELD ID="32" LINK="31">
    <TEXT>Flame Signal (High Fire)</TEXT>
    <SUBTEXT>(All Systems)</SUBTEXT>
    <GROUP>Bake</GROUP>
    <POST>DCμA</POST>

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    <FORMAT>N</FORMAT>
    <SKIPABLE>N</SKIPABLE>
</FIELD>
<FIELD ID="33" LINK="31">
    <TEXT>Flame Signal (High Fire)</TEXT>
    <SUBTEXT>(All Systems)</SUBTEXT>
    <GROUP>Economy</GROUP>
    <POST>DCμA</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>N</SKIPABLE>
</FIELD>
<FIELD ID="34">
    <TEXT>Process Temperature (Recorded During Visit)</TEXT>
    <SUBTEXT>(All Systems)</SUBTEXT>
    <GROUP>Spray</GROUP>
    <POST>°C</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>N</SKIPABLE>
</FIELD>
<FIELD ID="35" LINK="34">
    <TEXT>Process Temperature (Recorded During Visit)</TEXT>
    <SUBTEXT>(All Systems)</SUBTEXT>
    <GROUP>Bake</GROUP>
    <POST>°C</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>N</SKIPABLE>
</FIELD>
<FIELD ID="36" LINK="34">
    <TEXT>Process Temperature (Recorded During Visit)</TEXT>
    <SUBTEXT>(All Systems)</SUBTEXT>
    <GROUP>Economy</GROUP>
    <POST>°C</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>N</SKIPABLE>
</FIELD>
<FIELD ID="37">
    <TEXT>Combustion Fan Motor</TEXT>
    <SUBTEXT>(All Systems)</SUBTEXT>
    <FORMAT>DDL</FORMAT>
    <SKIPABLE>N</SKIPABLE>
    <ITEMS>
        <ITEM code="1ph" default="Y">1ph</ITEM>
        <ITEM code="3ph">3ph</ITEM>
    </ITEMS>
</FIELD>
<FIELD ID="38">
    <TEXT>Combustion Fan Motor Current at Low Fire</TEXT>
    <SUBTEXT>(All Systems)</SUBTEXT>
    <POST>Hz</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>N</SKIPABLE>
</FIELD>
<FIELD ID="39" LINK="38">
    <TEXT>Combustion Fan Motor Current at Low Fire</TEXT>
    <SUBTEXT>(All Systems)</SUBTEXT>
    <POST>Amp</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>N</SKIPABLE>
</FIELD>
<FIELD ID="40">
    <TEXT>Combustion Fan Motor Current at High Fire</TEXT>
    <SUBTEXT>(All Systems)</SUBTEXT>
    <POST>Hz</POST>
    <FORMAT>N</FORMAT>

```



```

        <SKIPABLE>N</SKIPABLE>
</FIELD>
<FIELD ID="41" LINK="40">
    <TEXT>Combustion Fan Motor Current at High Fire</TEXT>
    <SUBTEXT>(All Systems)</SUBTEXT>
    <POST>Amp</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>N</SKIPABLE>
</FIELD>
<FIELD ID="42">
    <TEXT>Combustion Readings - O2</TEXT>
    <SUBTEXT>(All Systems)</SUBTEXT>
    <POST>%</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>N</SKIPABLE>
</FIELD>
<FIELD ID="43">
    <TEXT>Combustion Readings - CO2</TEXT>
    <SUBTEXT>(All Systems)</SUBTEXT>
    <POST>%</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>N</SKIPABLE>
</FIELD>
<FIELD ID="44">
    <TEXT>Combustion Readings - CO</TEXT>
    <SUBTEXT>(All Systems)</SUBTEXT>
    <POST>ppm</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>N</SKIPABLE>
</FIELD>
<BUTTON CONFIRM="Confirm all Test Results are completed">
    <TYPE>C</TYPE>
    <TEXT>Complete</TEXT>
</BUTTON>
</FORM>

```



2.2 Range FD/FDB

```

<FORM NAME="Test Results" REQUIRED="Y">
  <FIELD ID="1">
    <TEXT>Air Differential Pressure</TEXT>
    <SUBTEXT>(HI/LO or Mod Gas Only)</SUBTEXT>
    <POST>mbar</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>Y</SKIPABLE>
  </FIELD>
  <FIELD ID="2">
    <TEXT>Air Differential Pressure at Low Fire</TEXT>
    <SUBTEXT>(Gas Air Mod)</SUBTEXT>
    <POST>Hz</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>Y</SKIPABLE>
  </FIELD>
  <FIELD ID="3" LINK="2">
    <TEXT>Air Differential Pressure at Low Fire</TEXT>
    <SUBTEXT>(Gas Air Mod)</SUBTEXT>
    <POST>mbar</POST>
    <SKIPABLE>Y</SKIPABLE>
    <FORMAT>N</FORMAT>
  </FIELD>
  <FIELD ID="4">
    <TEXT>Air Differential Pressure at High Fire</TEXT>
    <SUBTEXT>(Gas Air Mod)</SUBTEXT>
    <POST>Hz</POST>
    <SKIPABLE>Y</SKIPABLE>
    <FORMAT>N</FORMAT>
  </FIELD>
  <FIELD ID="5" LINK="4">
    <TEXT>Air Differential Pressure at High Fire</TEXT>
    <SUBTEXT>(Gas Air Mod)</SUBTEXT>
    <SKIPABLE>Y</SKIPABLE>
    <POST>mbar</POST>
    <SKIPABLE>Y</SKIPABLE>
    <FORMAT>N</FORMAT>
  </FIELD>
  <FIELD ID="6">
    <TEXT>Combustion Chamber Pressure</TEXT>
    <SUBTEXT>(HI/LO or Mod Gas Only)</SUBTEXT>
    <POST>mbar</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>Y</SKIPABLE>
  </FIELD>
  <FIELD ID="7">
    <TEXT>Combustion Chamber Pressure at Low Fire</TEXT>
    <SUBTEXT>(Gas Air Mod)</SUBTEXT>
    <POST>Hz</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>Y</SKIPABLE>
  </FIELD>
  <FIELD ID="8" LINK="7">
    <TEXT>Combustion Chamber Pressure at Low Fire</TEXT>
    <SUBTEXT>(Gas Air Mod)</SUBTEXT>
    <POST>mbar</POST>
    <SKIPABLE>Y</SKIPABLE>
    <FORMAT>N</FORMAT>
  </FIELD>
  <FIELD ID="9">
    <TEXT>Combustion Chamber Pressure at High Fire</TEXT>
    <SUBTEXT>(Gas Air Mod)</SUBTEXT>

```



```

    <POST>Hz</POST>
    <SKIPABLE>Y</SKIPABLE>
    <FORMAT>N</FORMAT>
</FIELD>
<FIELD ID="10" LINK="9">
    <TEXT>Combustion Chamber Pressure at High Fire</TEXT>
    <SUBTEXT>(Gas Air Mod)</SUBTEXT>
    <SKIPABLE>Y</SKIPABLE>
    <POST>mbar</POST>
    <SKIPABLE>Y</SKIPABLE>
    <FORMAT>N</FORMAT>
</FIELD>
<FIELD ID="11">
    <TEXT>Air Pressure Switch Setting</TEXT>
    <SUBTEXT>(All Systems)</SUBTEXT>
    <POST>mbar</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>N</SKIPABLE>
</FIELD>
<FIELD ID="12">
    <TEXT>Air Pressure Switch Setting at Test Point</TEXT>
    <SUBTEXT>(HI/LO or Mod Gas Only)</SUBTEXT>
    <POST>mbar</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>Y</SKIPABLE>
</FIELD>
<FIELD ID="13">
    <TEXT>Air Pressure Switch Setting at Test Point at Low Fire</TEXT>
    <SUBTEXT>(Gas Air Mod)</SUBTEXT>
    <POST>Hz</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>Y</SKIPABLE>
</FIELD>
<FIELD ID="14" LINK="13">
    <TEXT>Air Pressure Switch Setting at Test Point at Low Fire</TEXT>
    <SUBTEXT>(Gas Air Mod)</SUBTEXT>
    <POST>mbar</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>Y</SKIPABLE>
</FIELD>
<FIELD ID="15">
    <TEXT>Air Pressure Switch Setting at Test Point at High Fire</TEXT>
    <SUBTEXT>(Gas Air Mod)</SUBTEXT>
    <POST>Hz</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>Y</SKIPABLE>
</FIELD>
<FIELD ID="16" LINK="15">
    <TEXT>Air Pressure Switch Setting at Test Point at High Fire</TEXT>
    <SUBTEXT>(Gas Air Mod)</SUBTEXT>
    <POST>mbar</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>Y</SKIPABLE>
</FIELD>
<FIELD ID="17">
    <TEXT>Inlet Gas Pressure</TEXT>
    <SUBTEXT>(All Systems)</SUBTEXT>
    <POST>mbar</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>N</SKIPABLE>
</FIELD>
<FIELD ID="18">
    <TEXT>Gas Pressure at Start</TEXT>
    <SUBTEXT>(All Systems) Comp. Air: Yes</SUBTEXT>

```



```

    <POST>mbar</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>N</SKIPABLE>
</FIELD>
<FIELD ID="19">
    <TEXT>Gas Pressure at Low Fire</TEXT>
    <SUBTEXT>(All Systems) Comp. Air: Yes</SUBTEXT>
    <POST>mbar</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>N</SKIPABLE>
</FIELD>
<FIELD ID="20">
    <TEXT>Gas Pressure at High Fire</TEXT>
    <SUBTEXT>(All Systems) Comp. Air: Yes</SUBTEXT>
    <POST>mbar</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>N</SKIPABLE>
</FIELD>
<FIELD ID="21">
    <TEXT>Low Gas Pressure Switch Setting</TEXT>
    <SUBTEXT>(All Systems)</SUBTEXT>
    <POST>mbar</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>N</SKIPABLE>
</FIELD>
<FIELD ID="22">
    <TEXT>High Gas Pressure Switch Setting</TEXT>
    <SUBTEXT>(All Systems)</SUBTEXT>
    <POST>mbar</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>N</SKIPABLE>
</FIELD>
<FIELD ID="23">
    <TEXT>Flame Signal (High Fire)</TEXT>
    <SUBTEXT>(All Systems)</SUBTEXT>
    <POST>DCμA</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>N</SKIPABLE>
</FIELD>
<FIELD ID="24">
    <TEXT>Process Temperature (Recorded During Visit)</TEXT>
    <SUBTEXT>(All Systems) °C</SUBTEXT>
    <POST>Min</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>N</SKIPABLE>
</FIELD>
<FIELD ID="25" LINK="24">
    <TEXT>Process Temperature (Recorded During Visit)</TEXT>
    <SUBTEXT>(All Systems) °C</SUBTEXT>
    <POST>Max</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>N</SKIPABLE>
</FIELD>
<FIELD ID="26">
    <TEXT>Combustion Fan Motor</TEXT>
    <SUBTEXT>(All Systems)</SUBTEXT>
    <FORMAT>DDL</FORMAT>
    <SKIPABLE>N</SKIPABLE>
    <ITEMS>
        <ITEM code="1ph" default="Y">1ph</ITEM>
        <ITEM code="3ph">3ph</ITEM>
    </ITEMS>
</FIELD>
<FIELD ID="27">

```



```

    <TEXT>Combustion Fan Motor Current at Low Fire</TEXT>
    <SUBTEXT>(All Systems)</SUBTEXT>
    <POST>Hz</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>N</SKIPABLE>
</FIELD>
<FIELD ID="28" LINK="27">
    <TEXT>Combustion Fan Motor Current at Low Fire</TEXT>
    <SUBTEXT>(All Systems)</SUBTEXT>
    <POST>Amp</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>N</SKIPABLE>
</FIELD>
<FIELD ID="29">
    <TEXT>Combustion Fan Motor Current at High Fire</TEXT>
    <SUBTEXT>(All Systems)</SUBTEXT>
    <POST>Hz</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>N</SKIPABLE>
</FIELD>
<FIELD ID="30" LINK="29">
    <TEXT>Combustion Fan Motor Current at High Fire</TEXT>
    <SUBTEXT>(All Systems)</SUBTEXT>
    <POST>Amp</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>N</SKIPABLE>
</FIELD>
<FIELD ID="31">
    <TEXT>Combustion Readings - O2</TEXT>
    <SUBTEXT>(All Systems)</SUBTEXT>
    <POST>%</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>N</SKIPABLE>
</FIELD>
<FIELD ID="32">
    <TEXT>Combustion Readings - CO2</TEXT>
    <SUBTEXT>(All Systems)</SUBTEXT>
    <POST>%</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>N</SKIPABLE>
</FIELD>
<FIELD ID="33">
    <TEXT>Combustion Readings - CO</TEXT>
    <SUBTEXT>(All Systems)</SUBTEXT>
    <POST>ppm</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>N</SKIPABLE>
</FIELD>
<FIELD ID="34">
    <TEXT>Flue Temperature at Low Fire</TEXT>
    <SUBTEXT>(All Systems)</SUBTEXT>
    <POST>°C</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>N</SKIPABLE>
</FIELD>
<FIELD ID="35">
    <TEXT>Flue Temperature at High Fire</TEXT>
    <SUBTEXT>(All Systems)</SUBTEXT>
    <POST>°C</POST>
    <FORMAT>N</FORMAT>
    <SKIPABLE>N</SKIPABLE>
</FIELD>
<BUTTON CONFIRM="Confirm all Test Results are completed">
    <TYPE>C</TYPE>

```



```
<TEXT>Complete</TEXT>  
</BUTTON>  
</FORM>
```



3 Appendix C: New UDF XSD

```

<xsd:schema attributeFormDefault="unqualified"
  elementFormDefault="qualified"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <xsd:element name="FORM">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element maxOccurs="unbounded" name="FIELD">
          <xsd:complexType>
            <xsd:sequence>
              <xsd:element name="TEXT" type="xsd:string" minOccurs="0" maxOccurs="1" />
              <xsd:element name="SUBTEXT" type="xsd:string" minOccurs="0" maxOccurs="1" />
              <xsd:element name="GROUP" type="xsd:string" minOccurs="0" maxOccurs="1" />
              <xsd:element name="POST" type="xsd:string" minOccurs="0" maxOccurs="1" />
              <xsd:element name="FORMAT" nillable="false">
                <xsd:simpleType>
                  <xsd:restriction base="xsd:string">
                    <xsd:enumeration value="X"/>
                    <xsd:enumeration value="N"/>
                    <xsd:enumeration value="T"/>
                    <xsd:enumeration value="B"/>
                    <xsd:enumeration value="DDL"/>
                  </xsd:restriction>
                </xsd:simpleType>
              </xsd:element>
              <xsd:element name="SKIPABLE" nillable="false">
                <xsd:simpleType>
                  <xsd:restriction base="xsd:string">
                    <xsd:enumeration value="Y"/>
                    <xsd:enumeration value="N"/>
                  </xsd:restriction>
                </xsd:simpleType>
              </xsd:element>
              <xsd:element minOccurs="0" nillable="true" name="VALUE" type="xsd:string" />
              <xsd:element minOccurs="0" name="ITEMS">
                <xsd:complexType>
                  <xsd:sequence>
                    <xsd:element name="ITEM" maxOccurs="unbounded" minOccurs="0">
                      <xsd:complexType>
                        <xsd:simpleContent>
                          <xsd:extension base="xsd:string">
                            <xsd:attribute type="xsd:string" name="CODE" use="optional"/>
                            <xsd:attribute type="xsd:string" name="DEFAULT" use="optional"/>
                          </xsd:extension>
                        </xsd:simpleContent>
                      </xsd:complexType>
                    </xsd:element>
                  </xsd:sequence>
                </xsd:complexType>
              </xsd:element>
            </xsd:sequence>
            <xsd:attribute name="ID" type="xsd:string" use="required" />
            <xsd:attribute name="LINK" type="xsd:string" use="optional" />
          </xsd:complexType>
        </xsd:element>
        <xsd:element maxOccurs="unbounded" name="BUTTON">
          <xsd:complexType>
            <xsd:sequence>
              <xsd:element name="TYPE" nillable="false">
                <xsd:simpleType>
                  <xsd:restriction base="xsd:string">
                    <xsd:enumeration value="C"/>

```



```

        <xsd:enumeration value="I"/>
        <xsd:enumeration value="X"/>
    </xsd:restriction>
</xsd:simpleType>
</xsd:element>
<xsd:element name="TEXT" type="xsd:string" />
</xsd:sequence>
<xsd:attribute name="CONFIRM" type="xsd:string" use="optional" />
</xsd:complexType>
</xsd:element>
</xsd:sequence>
<xsd:attribute name="NAME" type="xsd:string" use="optional" />
<xsd:attribute name="REQUIRED" type="xsd:string" use="optional" />
<xsd:attribute name="STATUS" type="xsd:string" use="optional" />
</xsd:complexType>
</xsd:element>
</xsd:schema>

```



4 Appendix D: TEST PLAN

Test Script / Scenario Reference	Configurable Post-Work Checks	Call Number(s): 311926 309371-9/10
Test Script / Scenario Description	To test specific Lanemark Post-work Checks UDF configuration and functionality.	PASS / ISSUES / FAIL
Menu Access	Services	
Pre-requisites	Ensure that the site being used has the UDF configuration as described in the Data section and Appendix B . Ensure there are single- and multiple-item jobs (with at least 3 items) to check.	Tested By:
Test Objective	To test that: Required checks are completed; validation is forced on the checks; validation is forced so that they are entered before any other information; status is displayed correctly and; data is updated correctly.	Date:

Step	Action	Result	Remarks	P/F
1	PDA - Process			
1.01	Start a single-item service job and complete any pre-work and info field entry required, noting the Group chosen. Press onto the <i>Diagnosis</i> tab.	The <i>Diagnosis</i> tab should be displayed.		
1.02	Check the Post-work button label	It says "Test Results (Incomplete)"		
1.03	Press the Post-work button.	The post-work pop-up is shown. The label says "Test Results". All fields required are present in a scrolling form. There is one button: Complete		
1.04	Press the Android Back key	A confirmation dialogue is displayed.		
1.05	Cancel this.	The Post-work pop-up is displayed again.		
1.06	Press the Android Back button and Confirm the confirmation dialogue.	The <i>Diagnosis</i> tab is shown again. The Post-work button label still says "Incomplete".		



1.07	Re-enter the Post-work pop-up. Press the Complete button.	A validation error should be displayed, as not all required information has been entered.		
1.08	Enter all required information. press the Complete button.	A confirmation dialogue is displayed.		
1.09	Press "No"	The Post-work pop-up is displayed again.		
1.10	Press the Complete button and press Yes on the confirmation dialogue.	The <i>Diagnosis</i> tab is shown again. The label says "Complete".		
1.11	Press the Post-work button.	A validation error should be displayed, as the Post-work checks have been completed.		
1.12	Complete this service-job.	All Post-work check information is saved and can be displayed and reported on.		
0.00	Start a new multiple-item job and complete any pre-work and info field entry required on all the serviceable items, noting the Group chosen. On the first item, move to the <i>Diagnosis</i> tab and press the Post-work button. Enter all required information. Press the Complete button and confirm.	The <i>Diagnosis</i> tab is shown again. The Post-work button label says "Complete".		
1.13	Press the Next button and move to the <i>Diagnosis</i> tab.	The next service item is shown. The Post-work button label says "Incomplete".		
1.14	Press the Next button on the <i>Info</i> tab, then the Post-work button on the <i>Diagnosis</i> tab.	The Post-work pop-up is displayed again, showing the tests required for this range.		
1.15	Press the Complete button and confirm.	The <i>Diagnosis</i> tab is shown again. The label says "Complete".		
1.16	Press the Prev button on the <i>Info</i> tab.	The previous service item is shown. The Post-work button label says "Complete".		
1.17	Press the Post-work button.	A validation error should be displayed, as the Post-work checks have been completed.		
1.18	Press the Next button on the <i>Info</i> tab, then the Post-work button on the <i>Diagnosis</i> tab.	A validation error should be displayed, as the Post-work checks have been completed.		
1.19		The Post-work pop-up is displayed again.		



	Press the Next button on the <i>Info</i> tab, then the Post-work button on the <i>Diagnosis</i> tab.			
1.20	Press the Back key and confirm. Press the Prev button on the <i>Info</i> tab, move to the <i>Diagnosis</i> tab and press Done .	A validation error should be displayed, as not all Post-work checks for all items have been completed.		
1.21	Press the Next button on the <i>Info</i> tab. Change the Range to a different range, then press the Post-work button on the <i>Diagnosis</i> tab.	The Post-work pop-up is displayed again, showing the correct tests for that product range.		
1.22	Complete entry for all items on this service job and complete this job.	All Post-work check information is saved and can be displayed and reported on for the job.		



5 Appendix E: Quote & Document References

Cost Details			
Activity	No. of Days	Rate per Day (?)	Cost (? Exc. VAT)
Requirements	0.00	0	?0.00
Change Request Evaluation	0.00	0	?0.00
Functional Specification	0.50	0	?0.00
Technical Specification	0.00	0	?0.00
Development	1.75	0	?0.00
Testing and Release	0.50	0	?0.00
Implementation	0.00	0	?0.00
Project Management	First argument to "number_format" must be a number.	0	?First argument to "number_format" must be a number.
TOTAL	First argument to "number_format" must be a number.		?First argument to "number_format" must be a number.

Estimate excludes training, release to live and go live support.

E.1 References

Ref No	Document Title & ID	Version	Date
1	UG 291094 EPOD Admin User Guide	2.0	4/4/2012
2	UG 291097 EPOD Client User Guide	3.0	23/4/2013
3	REQ 309371 Lanemark eSERV Requirements	0.4	29/08/2013
4	FS 311636 UDF Modifications	0.3	05/09/2013
5	FS 311856 Multiple Serviceable Items	0.1	10/09/2013

E.2 Glossary

Term	Definition
EPOD	Electronic Proof of Delivery. The OBS EPOD system is <i>CALIDUS</i> ePOD.
<i>CALIDUS</i> eSERV	The OBS mobile system to complete Service functionality in the field. This is part of the <i>CALIDUS</i> ePOD system.
PDA	The mobile device on which the C-ePOD system will run in the field. This can be a Phone, EDA or industrial PDA, running Android.
DAL	Data Access Layer. A mechanism for accessing data by the system that is removed from the application, allowing for simplified access and providing protection to the data, as only approved DAL methods can be used to modify it.
GPS	Global Positioning System. A mechanism of retrieving accurate positioning information in the form of Latitude and Longitude (Lat-Long) co-ordinates from a device.



Term	Definition
GPRS, 3G, HSDPA, Data Service	All terms referring to mobile device network connectivity, and the speed at which the device connects to the internet.

E.3 Authorised By

Julie Taylor	OBS Project Manager	_____
Jeff Foster	Client Representative	_____
Alan Thompson	Client Representative	_____

