



# **LineCheck User Guide**

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# LineCheck Overview

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The LineCheck component of the MediaGateway 2 tests Receiver lines and creates a Manitou alarm in the event of line failure.

LineCheck and all other MediaGateway 2 components require proper licensing through Bold Technologies. If you are not yet licensed for a MediaGateway 2 component you would like to access, please contact Bold Support to discuss your particular situation.

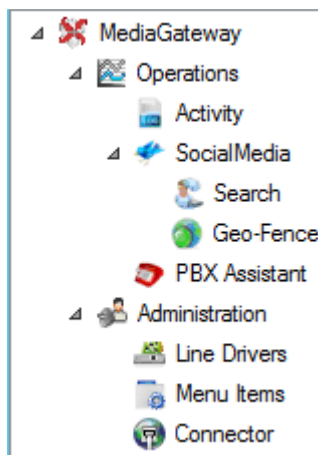
## Setting up Line Check in the MediaGateway 2

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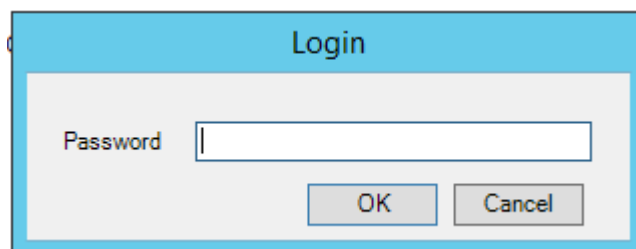
### Adding the LineCheck Menu in the MediaGateway 2

Perform the following steps to add the LineCheck menu in the MediaGateway 2:

1. Open the MediaGateway 2.
2. Select the “Menu Items” option from the Navigation Tree as shown in the following screenshot:

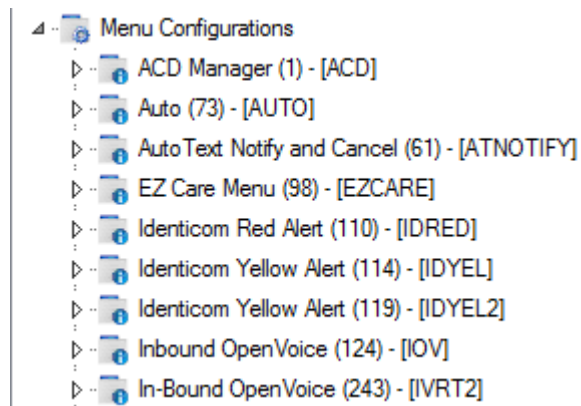


**Result:** the “Login” window displays as shown in the following screenshot:

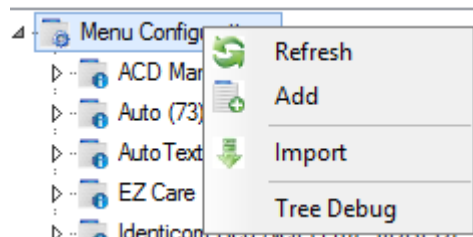


3. Enter your password, and then click “OK”.

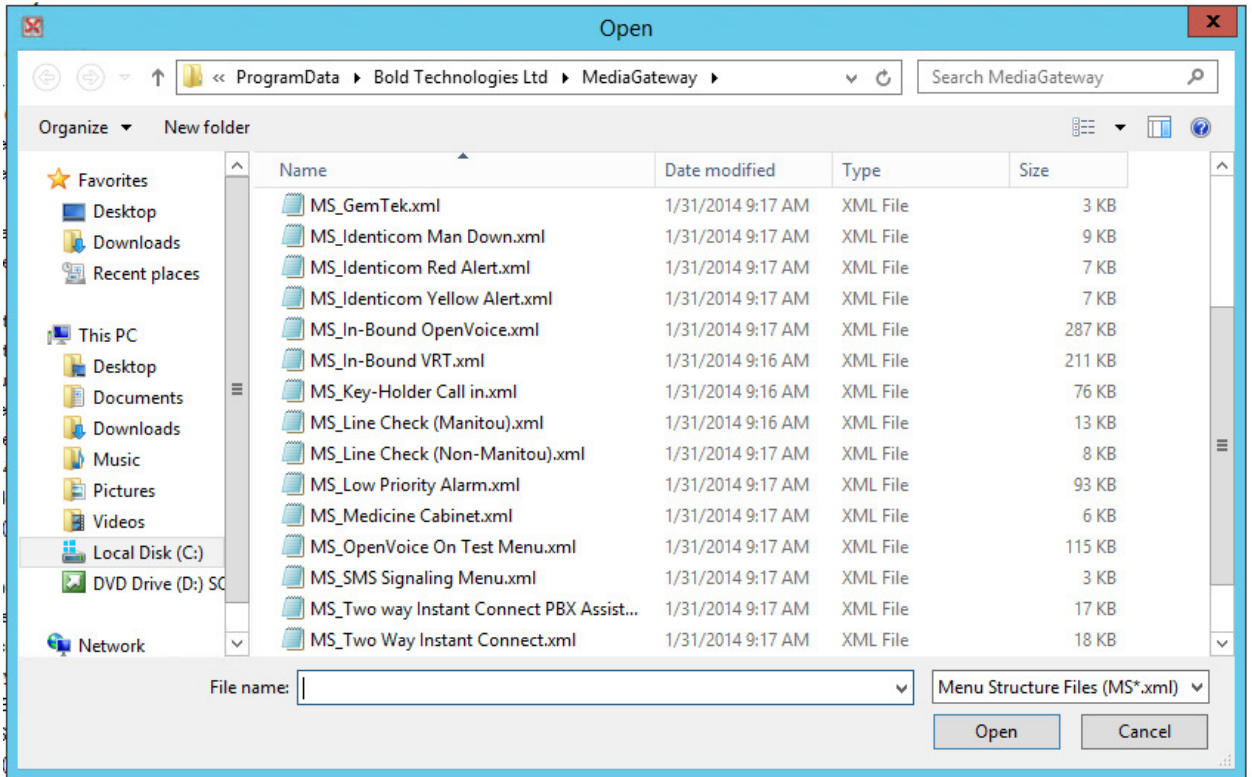
**Result:** the Menu Items window displays as shown in the following screenshot:



4. Select the "Menu Configurations" Navigation Tree node, and then right-click it and select "Import" as shown in the following screenshot:

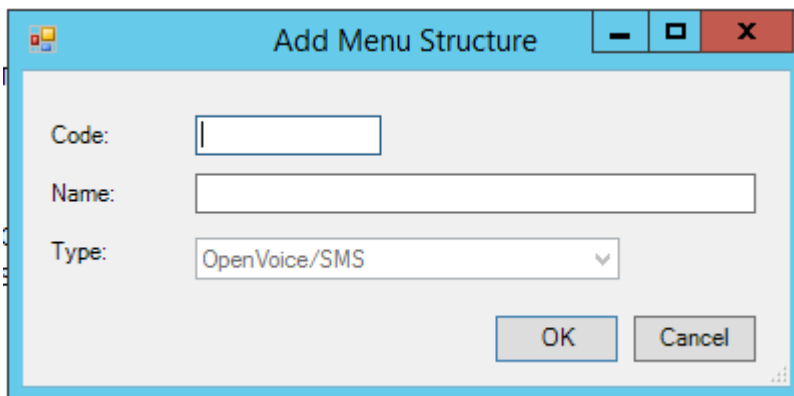


**Result:** the "Open" window displays as shown in the following screenshot:



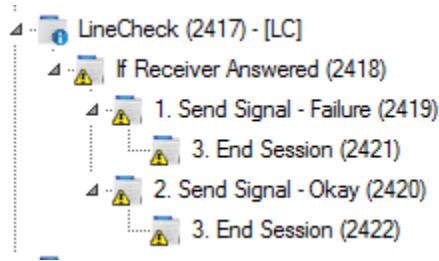
5. Select the “MS\_Line Check (Manitou).xml” menu option, and then click “**Open**”.

**Result:** the “Add Menu Structure” window displays as shown in the following screenshot:



6. Enter a code and a name into the appropriate fields, and then click “**OK**”.

**Result:** the menu you imported now displays in the menu structure hierarchy as shown in the following screenshot:

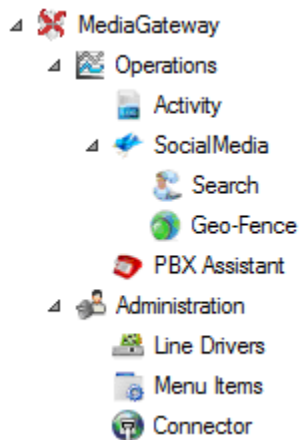


7. Modify the menu structure, as necessary.

## Adding the LineCheck Driver in the MediaGateway 2

Perform the following steps to add the LineCheck Driver in the MediaGateway 2:

1. Open the MediaGateway 2.
2. Select the “Line Drivers” option from the Navigation Tree as shown in the following screenshot:



**Result:** the “Login” window displays as shown in the following screenshot:

3. Enter your password, and then click “OK”.

**Result:** the Line Drivers window displays as shown in the following screenshot:

	Line Driver	Description	Status	Line Function	Properties	Driver
▶	2000	<input checked="" type="checkbox"/>	⊖	OpenVoice (Out-Bound)		⊖
	2001	<input type="checkbox"/> Receiver line 2	⊖	Internal Transfer Line	STATIONID=1	⊖
	300	<input checked="" type="checkbox"/> System I Line 1	⊖	TwoWayPLUS	MENU=TWOWAYDIRECT,LINEID=8,FEP=1,RECEIVER=65,LINE=999,USEDNIS=1,TYPE=0	⊖
	301	<input checked="" type="checkbox"/> System I Line 2	⊖	TwoWayPLUS	LINEID=888,FEP=1,RECEIVER=65,LINE=999,TYPE=0,USEDNIS=1,MENU=TWOWAYDIR...	⊖
	302	<input checked="" type="checkbox"/>	⊖	TwoWayPLUS	MENU=ELEV1,LINEID=2,FEP=1,RECEIVER=1,LINE=2,TYPE=1,USEDNIS=0	⊖
	303	<input type="checkbox"/>	⊖	TwoWayPLUS	MENU=TWIPA,LINEID=3,FEP=1,RECEIVER=1,LINE=3,TYPE=1,USEDNIS=0	⊖
	304	<input type="checkbox"/>	⊖	TwoWayPLUS	MENU=TWIPA,LINEID=4,FEP=1,RECEIVER=1,LINE=4,TYPE=1,USEDNIS=0	⊖
	305	<input checked="" type="checkbox"/>	⊖	OpenVoice (Out-Bound)	MENU=OVTEST2,BUSYRETRIES=3,PVD=0	⊖

- Click the arrow on the last Line Driver line (denoted by an asterisk) as shown in the following screenshot:

▶	4001	<input checked="" type="checkbox"/>	⊖	TwoWayPLUS	MENU=ELEV,FEP=3,RECEIVER=2,TYPE=1,USEDNIS=0	⊖
*		<input type="checkbox"/>	⊖			⊖

**Result:** a list of available Line Drivers displays as shown in the following screenshot:

2000	<input checked="" type="checkbox"/>
2001	<input checked="" type="checkbox"/>
300	<input type="checkbox"/>
301	<input type="checkbox"/>
302	<input type="checkbox"/>
303	<input type="checkbox"/>
304	<input type="checkbox"/>
305	<input type="checkbox"/>
306	<input type="checkbox"/>
340	<input type="checkbox"/>
351	<input type="checkbox"/>
352	<input type="checkbox"/>
353	<input type="checkbox"/>
354	<input type="checkbox"/>
355	<input type="checkbox"/>
356	<input type="checkbox"/>
357	<input type="checkbox"/>
358	<input type="checkbox"/>
359	<input type="checkbox"/>
381	<input type="checkbox"/>
382	<input type="checkbox"/>
383	<input type="checkbox"/>
384	<input type="checkbox"/>
385	<input checked="" type="checkbox"/>
386	<input type="checkbox"/>
387	<input type="checkbox"/>
388	<input type="checkbox"/>
389	<input type="checkbox"/>
4001	<input checked="" type="checkbox"/>
4002	<input type="checkbox"/>
▶*	<input type="checkbox"/>

- Select the Line Driver you want to add.

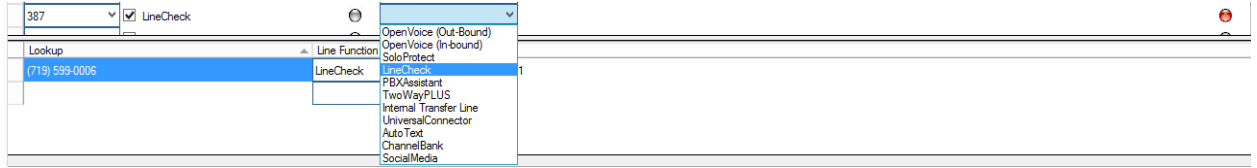
**Result:** the Line Driver you selected now displays as shown in the following screenshot:

387	<input checked="" type="checkbox"/>	⊖		⊖
-----	-------------------------------------	---	--	---

- Click in the "Description" field, and enter a description as shown in the following screenshot:



- Click the arrow in the Line Function field for the Line Driver you are creating, and select “LineCheck” as shown in the following screenshot:



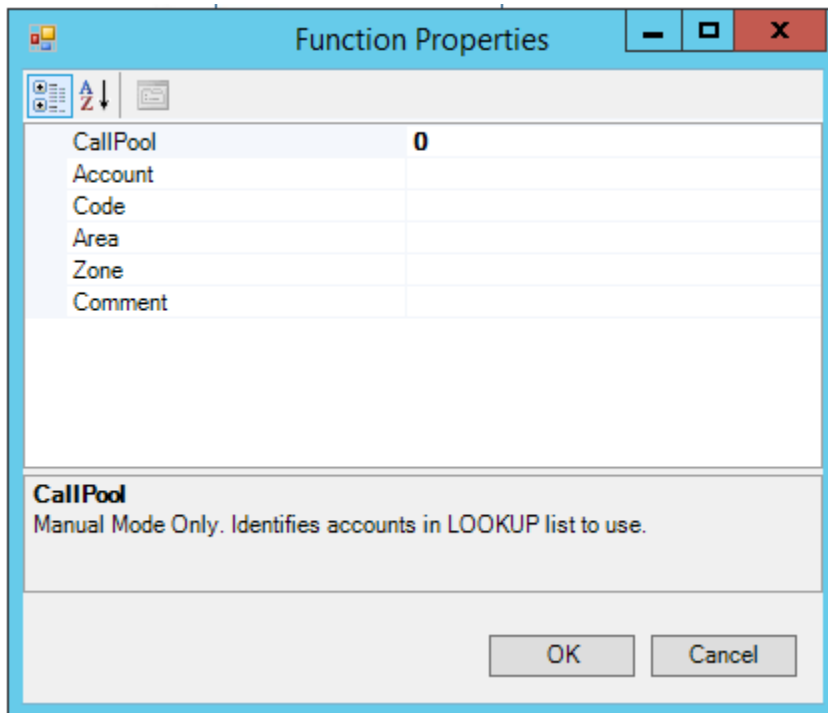
**Result:** LineCheck now displays as your selected Line Function as shown in the following screenshot:



- Click in the “Properties” column for the line on which you are creating your new Line Driver, and then right-click in the field and select “Properties” as shown in the following screenshot:

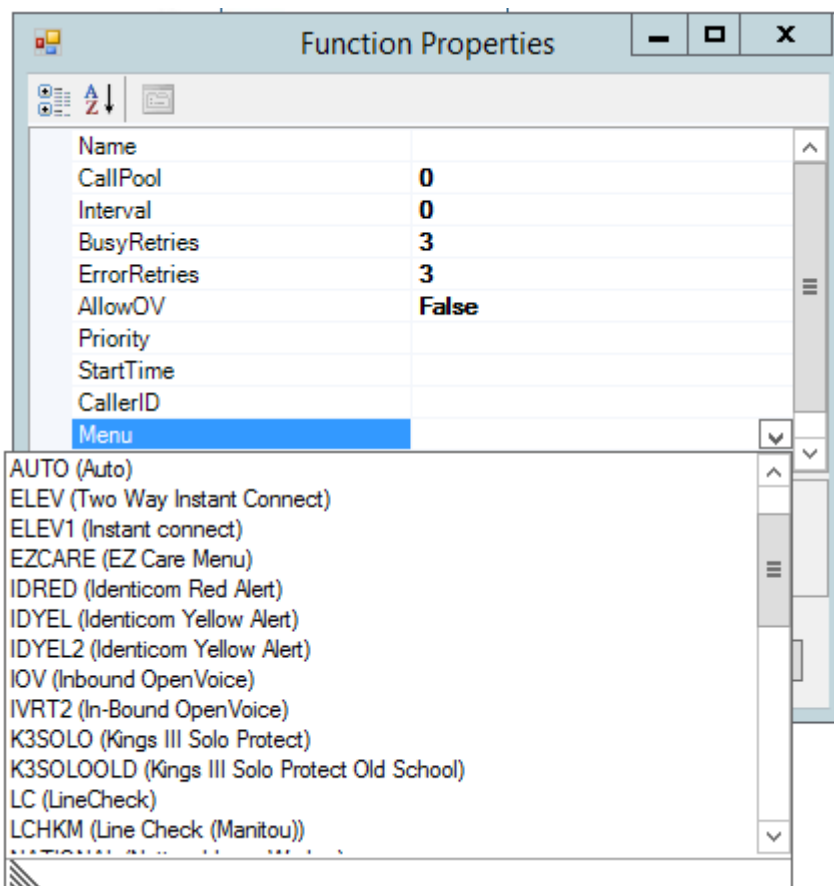


**Result:** the “Function Properties” window displays as shown in the following screenshot:



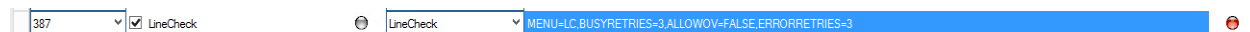
- Click at the right edge of the “Menu” field until a dropdown menu displays, and then select the menu you created earlier as shown in the following screenshot:





10. Click “OK”.

**Result:** the properties you selected now display in the “Properties” field as shown in the following screenshot:



**Note:** depending on your specific configuration, defining additional menu properties in the “Function Properties” window may be required.

11. Click in the first available “Lookup” field (denoted with an asterisk) as shown in the following screenshot:

	Lookup	Line Function	Parameters
	(719) 599-0006	LineCheck	CALLPOOL=1
►*			

12. Enter the 10-digit phone number you want to add to the Lookup.

**Note:** the number you enter into the Lookup field must match the Transmitter ID you will later enter into Manitou.

13. Select "LineCheck" from the “Line Function” dropdown menu.
14. Select the current Lookup row in the Parameters area of the form.

15. Right-click in the Parameters area, and select "Properties".

**Result:** the Function Properties window displays as shown in the following screenshot:

Field	Value
CallPool	0
Account	
Code	
Area	
Zone	
Comment	

**CallPool**  
Manual Mode Only. Identifies accounts in LOOKUP list to use.

OK Cancel

16. Populate any of the following fields on the Function Properties window:

**CallPool** - lines are assigned to specific CallPools to help balance call load

**Account** - account number to send using Contact ID

**Code** - Contact ID

**Area** - area to send using Contact ID

**Zone** - zone to send using Contact ID

**Comment** - optional comment for this phone number

**Note:** the following screenshot is provided as an example only. The values you enter for these fields may be different than those displayed depending on your business needs and specific configuration.

CallPool	1
Account	1114
Code	3331
Area	1
Zone	1
Comment	

**CallPool**  
Manual Mode Only. Identifies accounts in LOOKUP list to use.

OK Cancel

387 ☒ LineCheck ☐ LineCheck MENU=LC,BUSYRETRIES=3,ALLOWOV=FALSE,ERRORRETRIES=3

17. When you finish entering information into the Function Properties window, click "OK".  
**Result:** the Function Properties window closes and the Lookup Parameters you entered now display as shown in the following screenshot:

Lookup	Line Function	Parameters
(719) 599-0006	LineCheck	CALLPOOL=1
(989) 555-9995	LineCheck	CALLPOOL=1,ACCOUNT=1114,CODE=3331,AREA=1,ZONE=1
*		

18. Click "Save".

## Setting Up LineCheck in Manitou

### Adding LineCheck as a Manitou Audio Type

Perform the following steps to add LineCheck as a Manitou Audio Type:

1. Open the Manitou Supervisor Workstation.
2. Navigate to the Maintenance menu, and then select "Setup" and "Audio Types".

**Result:** the “Audio Types” form displays as shown in the following screenshot:

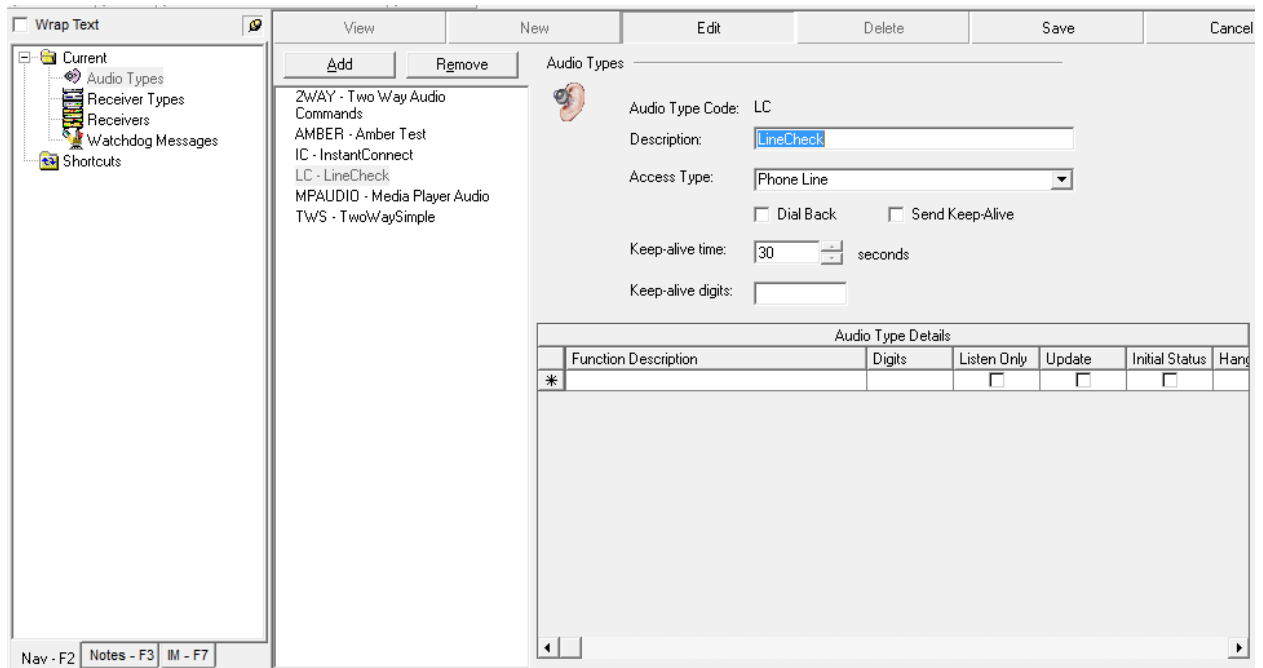
Function Description	Digits	Listen Only	Update	Initial Status	Hangup
▶ Ack Privat Report	2	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
End Session (hangup)	99	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Speaker On; Mike Off	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Mike On; Speaker Off	3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
AutoFull Duplex	6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Increase Speak Vol	4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Trouble Announcement	5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

3. Click “**Edit**”, and then click “**Add**”.

**Result:** the “Add Audio Type” window displays as shown in the following screenshot:

4. Enter a code into the “Audio Type Code:” field.
5. Enter a description into the “Description:” field, and click “**OK**”.

**Result:** the new Audio Type you created now displays as the selected item on the form as shown in the following screenshot:



6. Click **“Save”**.

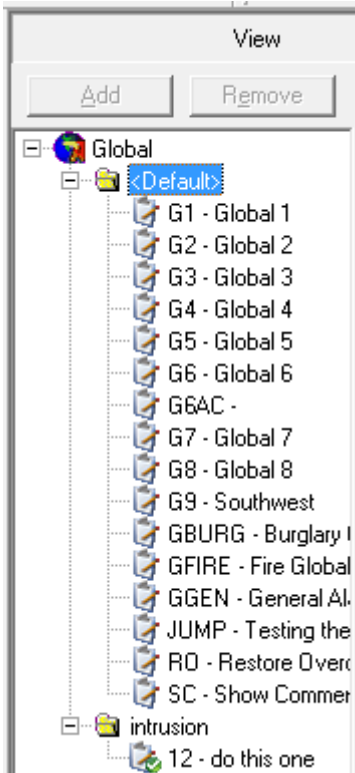
## Adding an Action Pattern for LineCheck

**Note:** you can create a Manitou Action Pattern to perform many different functions. In this instruction example, we will be creating a simple Action Pattern to contact the Customer at the site in the event a “\*DF” alarm arrives into Manitou. Depending on the specific Action Pattern you want to create, your procedures for creating and executing an Action Pattern may vary.

Perform the following steps to add a Manitou Action Pattern:

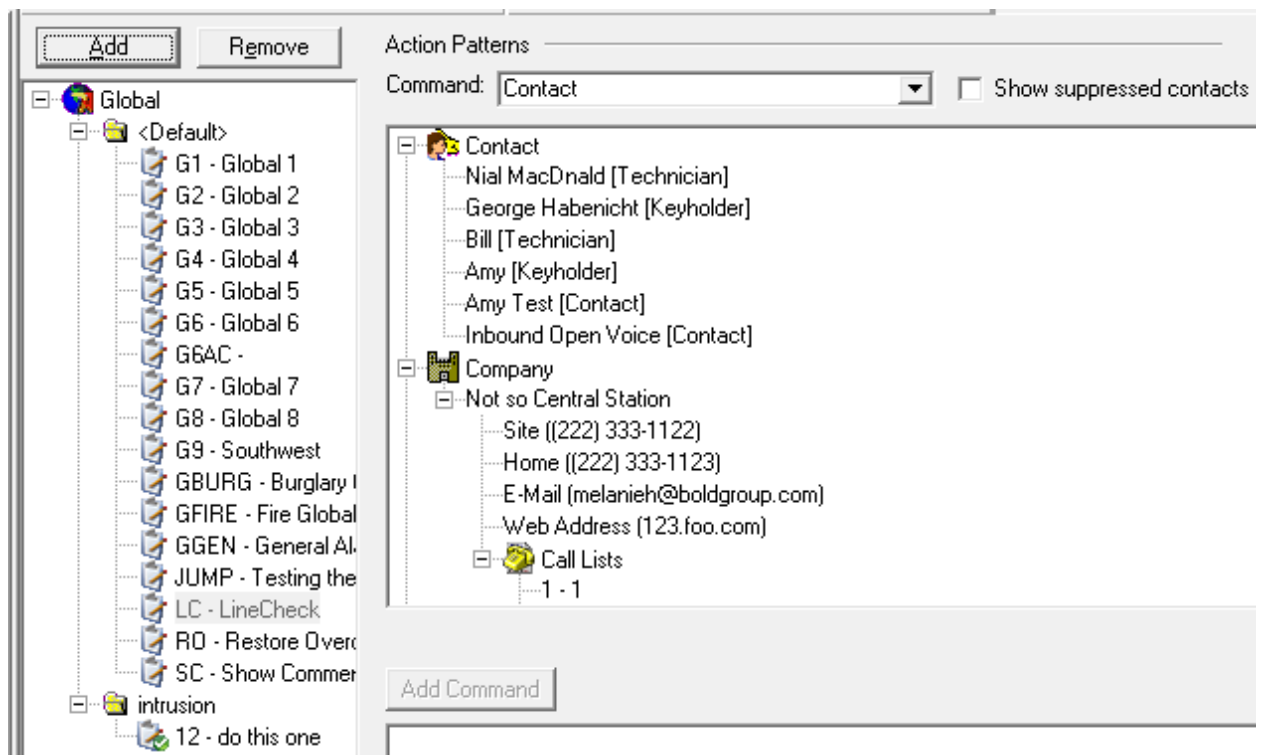
1. Open the Manitou Operator Workstation.
2. Navigate to the Maintenance menu, and select “Monitoring Company”.
3. Select the “Action Patterns” option from the Jump To menu.

**Result:** the Action Patterns form displays as shown in the following screenshot:

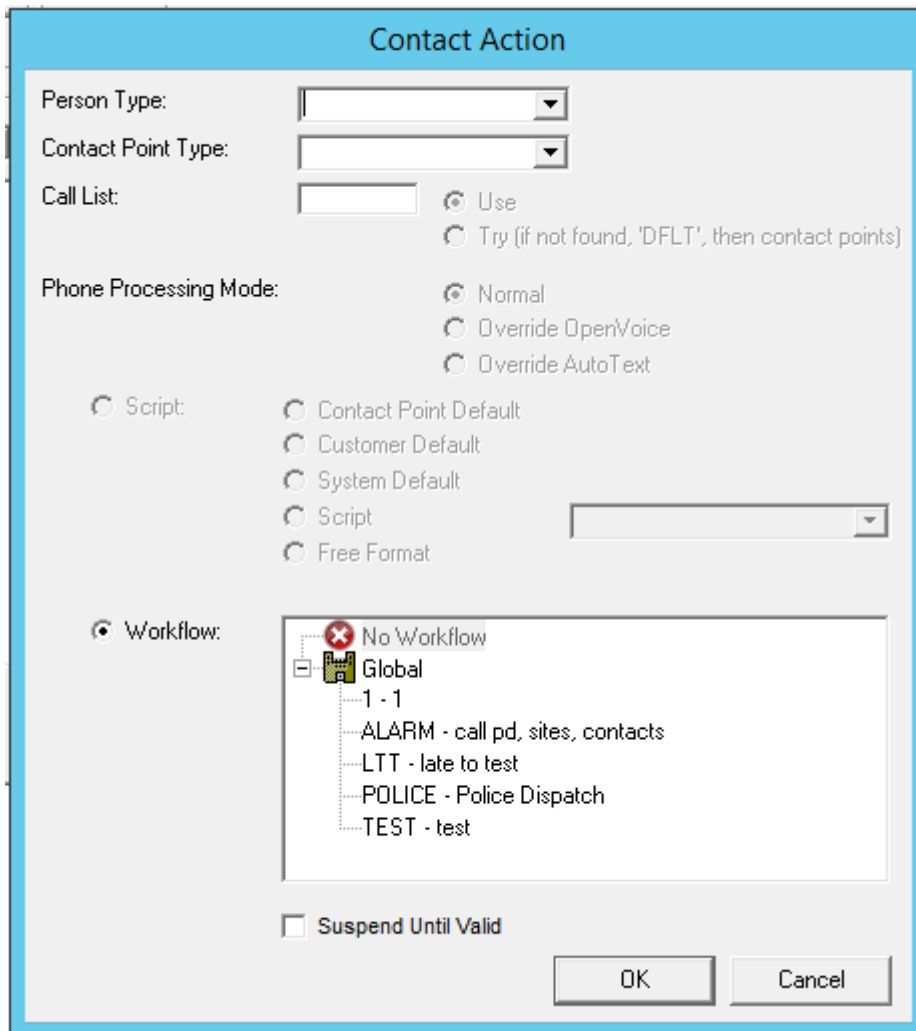


4. Select the node for the category into which you want to add an Action Pattern.  
**Note:** in our example, we are selecting the “Default” category node.
5. Click “Edit”, and then click “Add”.  
**Result:** the “Add Action Pattern” window displays as shown in the following screenshot:

6. Enter an Action ID and a description into the appropriate fields.
7. If you want, select the "Auto-Run" checkbox, and then click "OK".  
**Note:** having an Auto-Run designation is not necessary when you are operating in AutoClient mode.  
**Result:** the “Add Action Pattern” window closes and the system returns you to the Action Patterns form as shown in the following screenshot:



8. Select the “Customer” node in the Navigation Tree, and then click “**Add Command**”.
- Result:** the “Contact Action” window displays as shown in the following screenshot:



The "Contact Action" dialog box is shown with the following settings:

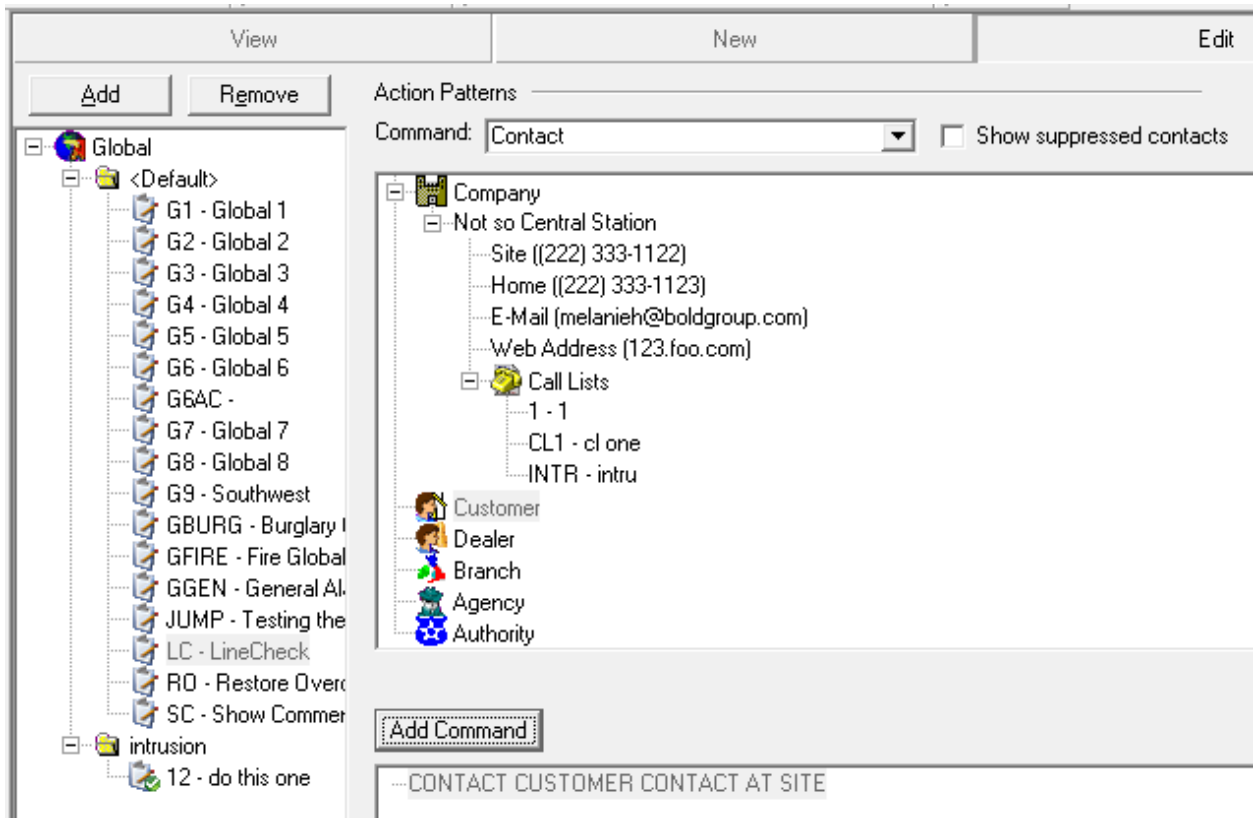
- Person Type:** [Empty dropdown]
- Contact Point Type:** [Empty dropdown]
- Call List:** [Empty text box]
  - ☒ Use
  - ☐ Try (if not found, 'DFLT', then contact points)
- Phone Processing Mode:**
  - ☒ Normal
  - ☐ Override OpenVoice
  - ☐ Override AutoText
- Script:**
  - ☐ Contact Point Default
  - ☐ Customer Default
  - ☐ System Default
  - ☐ Script [Empty dropdown]
  - ☐ Free Format
- Workflow:** ☒
  - ☒ No Workflow
  - ☐ Global
    - 1 - 1
      - ALARM - call pd, sites, contacts
      - LTT - late to test
      - POLICE - Police Dispatch
      - TEST - test

- ☐ Suspend Until Valid

Buttons: OK, Cancel

9. Select "Contact" from the "Person Type:" dropdown menu.
  10. Select "Site" from the "Contact Point Type:" dropdown menu, and then click "OK".
- Result:** the Action Pattern you created now displays under the "Add Command" button as shown in the following screenshot:





11. Click “Save”.

## Adding a LineCheck Transmitter Type and Programming Commands

Perform the following steps to add a LineCheck Transmitter Type and programming commands:

1. Open the Manitou Operator Workstation
2. Navigate to the Maintenance menu, and select “Transmitter Types”.

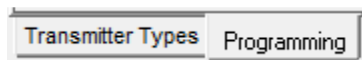
**Result:** the “Transmitter Type” menu displays as shown in the following screenshot:

3. Select the “Event Monitoring” node in the Navigation Tree.
4. Click “Edit”, and then click “Add”.

**Result:** the “Transmitter Type” window displays as shown in the following screenshot:

5. Enter a type into the “Type:” field.
6. Enter a description into the “Description:” field, and click “OK”.
7. The “Transmitter Type:” window closes, and the new Transmitter Type you created now displays as the selected item on the “Transmitter Type” form as shown in the following screenshot:


8. Select the “Audio Capable” and the “Create Call Session (No Listen-In)” checkboxes in the “Attributes” area of the form.
9. Select the Audio Type you previously created from the “Audio Type:” dropdown menu.
10. Select the “Programming” Tab at the bottom of the form as shown in the following screenshot:



**Result:** the “Event Actions Programming” grid displays at the bottom of the “Transmitter Programming” form as shown in the following screenshot:


Event Actions Programming						
	Event ▼	Area	Zone	Alarm	Action ID	Instructions
*						

11. Click at the right edge of the first “Event” field until a dropdown menu displays, and then select “\*DO” as shown in the following screenshot:

	Event ▼	Area	Zone	Alarm	Action ID	Instructions
	*DO					
*						

12. Click in the “Area” field.


**Result:** several fields populate as shown in the following screenshot:

	Event ▼	Area	Zone	Alarm	Action ID	Instructions
	*DO	*	*	Default		
*						

13. Click at the right edge of the “Alarm” field until a dropdown menu displays, and then select “No” as shown in the following screenshot:


	Event ▼	Area	Zone	Alarm	Action ID	Instructions
	*DO	*	*	No		
*						

14. Navigate to the next programming line, click at the right edge of that line’s “Event” field, and select “\*DF” as shown in the following screenshot:



	Event ▼	Area	Zone	Alarm	Action ID	Instructions
	*DO	*	*	No		
	*DF					
*						

15. Click in the “Area” field.

**Result:** several fields populate as shown in the following screenshot:

	Event ▼	Area	Zone	Alarm	Action ID	Instructions
	*DO	*	*	No		
	*DF	*	*	Default		
*						

16. Click at the right edge of the “Action ID” field until a dropdown menu displays, and then select the Action Pattern you previously created from the list as shown in the following screenshot:

	Event ▼	Area	Zone	Alarm	Action ID	Instructions
	*DO	*	*	No		
	*DF	*	*	Default		
*						

17. Click the “Transmitter Types” Tab.

**Result:** the “Programming” Tab closes, and the system returns you to the “Transmitter Types” form.

18. Your entries on the “Transmitter Type” form now match the following screenshot:

The screenshot shows the "Transmitter Type" configuration window. The left pane lists various transmitter types under three categories: Event Monitoring, Access Control, and GPS. The right pane shows the configuration for the selected "LC - Line Check" transmitter. The configuration includes fields for Transmitter Type, System Type, Description, Protocol Type, Reverse Cmd Protocol, Transmitter Input ID (with Base, Minimum, Maximum, and Separator fields for three groups), and a list of Attributes.

**Transmitter Type:** LC

**System Type:** Event Monitoring

**Description:** Line Check

**Protocol Type:** (empty dropdown)

**Reverse Cmd Protocol:** None

**Transmitter Input ID:**

Group	Base	Minimum	Maximum	Separator
Group 1 Value Range:	<input checked="" type="radio"/> Decimal <input type="radio"/> Hexadecimal	<input type="text"/>	<input type="text"/>	<input type="text"/>
Group 2 Value Range:	<input checked="" type="radio"/> Decimal <input type="radio"/> Hexadecimal	<input type="text"/>	<input type="text"/>	<input type="text"/>
Group 3 Value Range:	<input checked="" type="radio"/> Decimal <input type="radio"/> Hexadecimal	<input type="text"/>	<input type="text"/>	<input type="text"/>

**TX Input ID:**

**Attributes:**

- ☒ Audio Capable (Audio Type: LineCheck)
- ☒ Create Call Session (No Listen-In)
- ☐ Drop Listen-In if no Alarm
- ☐ Video Capable (Video Type: )
- ☐ Raw Event Programming
- ☐ Monitored Transmission Path
- ☐ Generate L-T-T Only When Closed

**Note:** depending on your specific configuration, defining additional properties on the “Transmitter Type” window may be required.

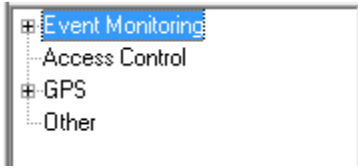
19. Click “Save”.

## Adding a LineCheck Transmitter in Manitou

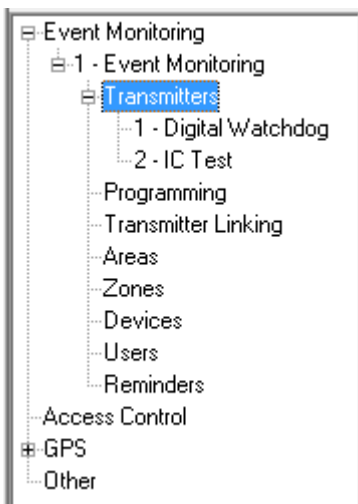
Perform the following steps to add a LineCheck Transmitter in Manitou:

1. Open the Manitou Operator Workstation.
2. Open the Customer record for whom you want to add a Transmitter.
3. Select the “Systems” option from the Jump To menu.

**Result:** the following window displays:



4. Expand the “Event Monitoring” node, and select “Transmitters” as shown in the following screenshot:



5. Click “Edit”, and then click “Add”.

**Result:** the “Add Transmitter” window displays as shown in the following screenshot:

A screenshot of a dialog box titled 'Add Transmitter'. It has a light blue header bar. Inside, there are two input fields: 'Transmitter No:' with a numeric spinner box showing the value '3', and 'Description:' with a text input field. At the bottom right, there are two buttons: 'OK' and 'Cancel'.

6. Enter a description into the “Description” field, and click “OK”.

**Result:** the Transmitter you just created displays as the selected item on the “Transmitter” form as shown in the following screenshot:

**Transmitter**

Transmitter No: 4

Description: LineCheck

Transmitter Type: [Dropdown]

Receiver Line Prefix: [Dropdown]

Transmitter ID: [Text] [Arrow]

TX Protocol Type: [Dropdown]

Caller ID 1: [Text]

Caller ID 2: [Text]

Remote Address: [Text]

**Transmitter Dates**

Path-Enabled Date: [Dropdown]

Connect Date: [Dropdown]

Termination Date: [Dropdown]

**Offsets**

Area Offset: [Text: 0]

Zone Offset: [Text: 0]

Sensor Offset: [Text: 0]

**Options**

☐ Generate Restore Overdues  
☐ Any Activity Satisfies Test  
☐ Extended Signaling  
☐ Do not use Dealer Programming  
☐ Generate L-T-T Only When Closed  
☐ Regular Activity Expected

☐ Audio Capable  
☐ Create Call Session (No Listen-In)  
☐ Drop Listen-In if no Alarm  
☐ Video Capable  
☐ Raw Event Programming  
☐ Monitored Transmission Path

☐ Encrypted  
☐ Backup Transmitter

**Transmitter Test**

Interval: [Text: 0] [Dropdown]

**Notes**

[Text Area]

7. Select the Transmitter Type you created earlier from the "Transmitter Type:" dropdown menu.
8. Select a Receiver Line Prefix from the "Receiver Line Prefix" dropdown menu, or select the default option.
9. Enter a Transmitter ID into the "Transmitter ID:" field.  
**Note:** the Transmitter ID you enter here must match the phone number you previously entered into the Lookup field on the MediaGateway 2 Line Drivers form.
10. Select the "Audio Capable" and the "Create Call Session (No Listen-In)" checkboxes.
11. Your Transmitter setup should now match the following screenshot:

**Transmitter**

Transmitter No: 4

Description: LineCheck

Transmitter Type: LC

Receiver Line Prefix: 00

Transmitter ID: 9895559995

TX Protocol Type:

Caller ID 1:

Caller ID 2:

Remote Address:

**Transmitter Dates**

Path-Enabled Date:

Connect Date:

Termination Date:

**Offsets**

Area Offset: 0

Zone Offset: 0

Sensor Offset: 0

**Options**

☐ Generate Restore Overdues

☐ Any Activity Satisfies Test

☐ Extended Signaling

☐ Do not use Dealer Programming

☐ Generate L-T-T Only When Closed

☐ Regular Activity Expected

☒ Audio Capable

☒ Create Call Session (No Listen-In)

☐ Drop Listen-In if no Alarm

☐ Video Capable

☐ Raw Event Programming

☐ Monitored Transmission Path

☐ Encrypted

☐ Backup Transmitter

**Transmitter Test**

Interval: 0

**Notes**

12. Click **“Save”**.

## Activating your Line Driver in the MediaGateway 2

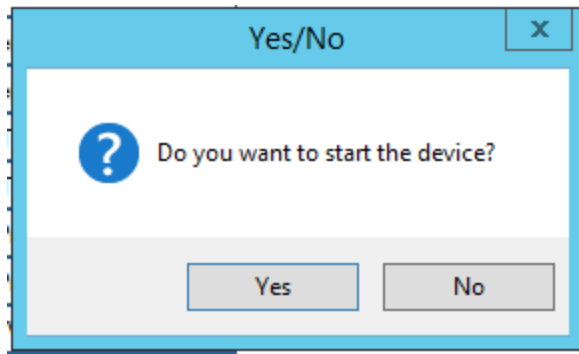
Now that your Manitou setup is complete, you must return to the MediaGateway 2 Line Drivers section to activate the Line Driver you created earlier. Perform the following steps to activate your Line Driver in the MediaGateway2:

1. If you want to make the Line Driver you created active, click the checkbox next to the “Description” field as shown in the following screenshot:

387 ☒ LineCheck ☒ LineCheck MENU=LC,BUSYRETRIES=3,ALLOWOV=FALSE,ERRORRETRIES=3

**Result:** the following dialog displays:





2. Click **"Yes"**.
3. Click **"Save"**.
4. Click **"Re-load & Restart all Devices"** as shown in the following screenshot:

