Selecting Voice Tones

The ZFP will allow you to choose three message pairs within the programming.

Each message has a Primary and Secondary tone, for example a Primary test message will be ‘This is a test of the fire alarm system please take no further action’. The Secondary test message will be ‘The fire alarm test is now complete’.

This document is going to show how to setup both Primary and Secondary message tones, the example is going to be the test message (using C-TEC Voice Sounders).

C-TEC have various types of voice sounders available. Also, C-TEC can produce voice messages specific to customers demand.

Fig 1 below shows setting this up via the Input Group tab within the programming tools.

Fig 1

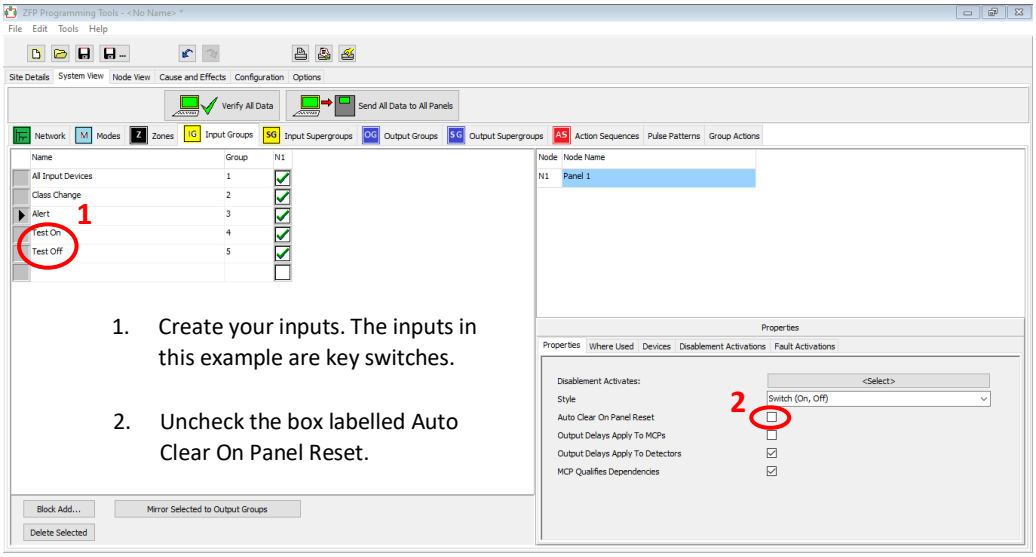
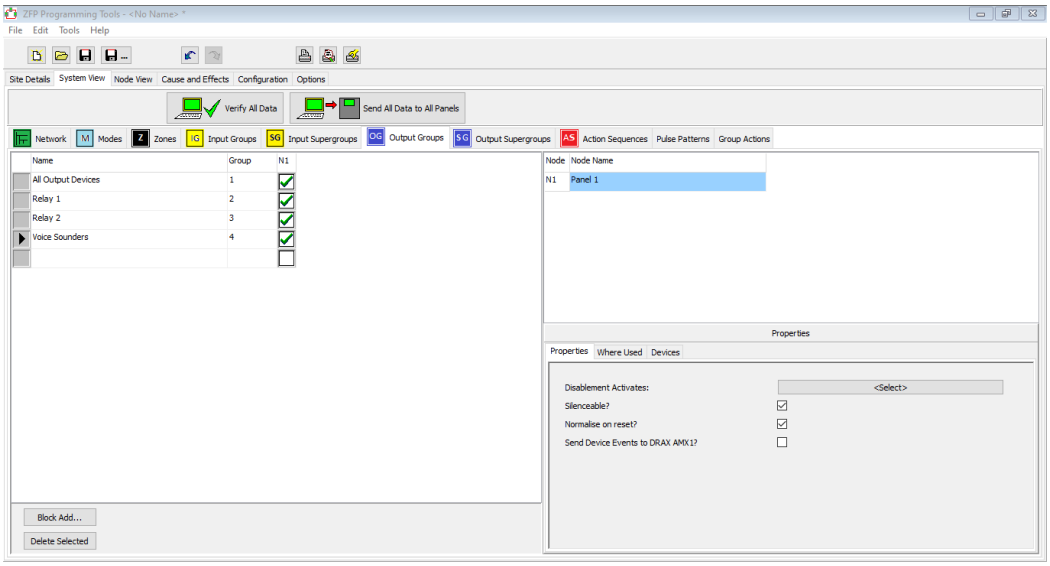


Fig 2 below shows the Output Group for the voice sounders.

Fig 2



The next step is to create two Action Sequences, the example below is Test Message Pri/Sec.

Fig 3

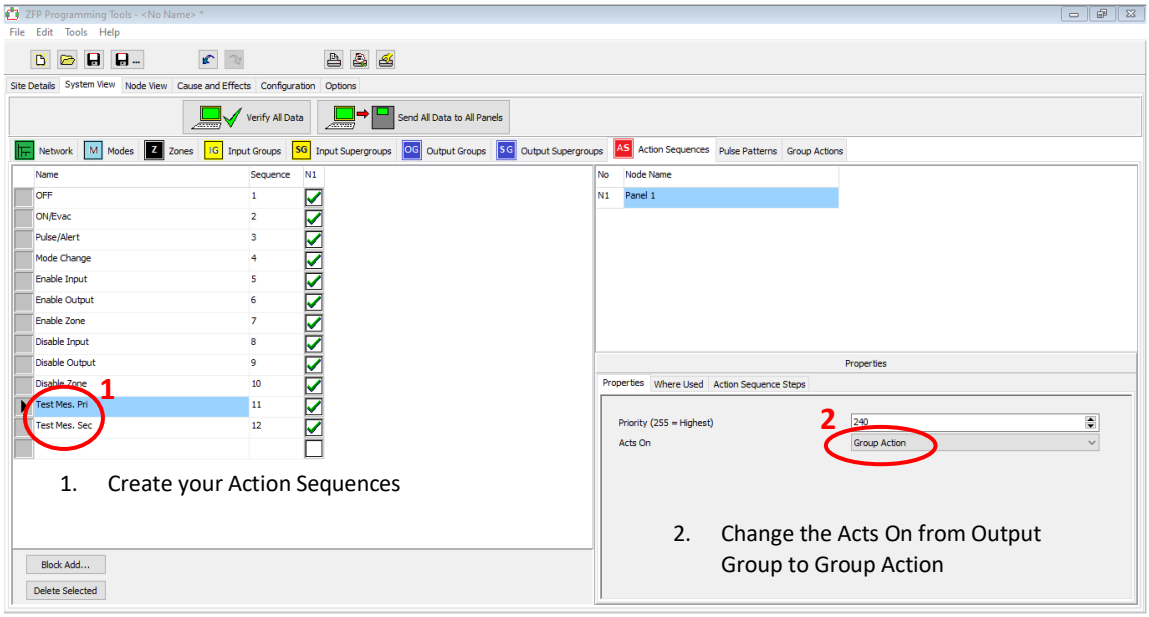


Fig 4 shows how to select a message pair. The message pair selections Table 1 is below Fig 4.

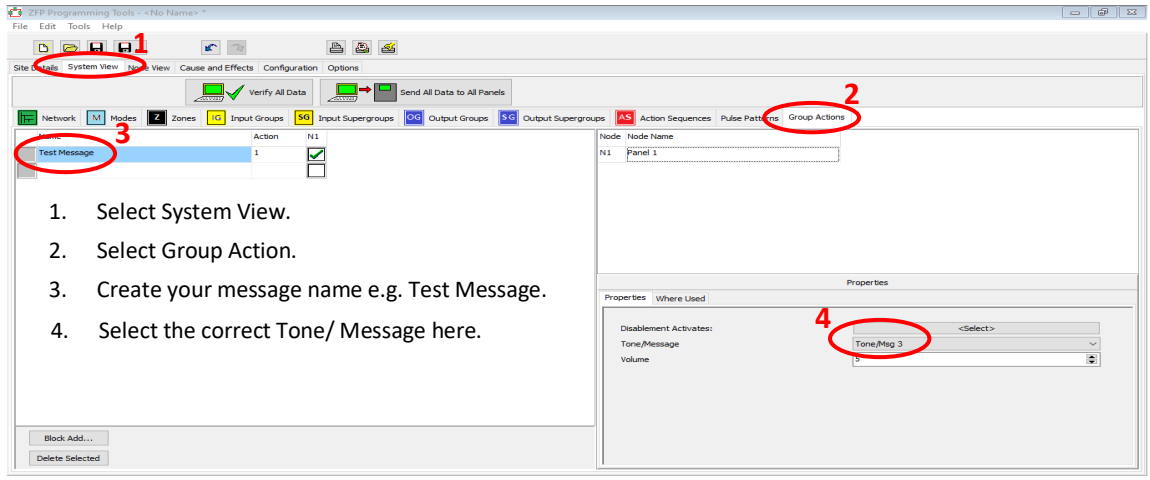


Table 1.

Sounder Tone Pair Details (Tones are selectable at the panel)

PAIR	TONE 1 - PRIMARY	MESSAGE	TONE 2 - SECONDARY	MESSAGE
1	Evacuate (550 Hz for 0.5 sec, 825 Hz for 0.5 sec)	Attention please. Attention please. Fire has been reported in the building. Please leave immediately by the nearest exit. (repeated 2x)	Alert (1 sec off, 825 Hz for 1 sec)	This is a fire alert. This is a fire alert. Await further instructions. Await further instructions. (repeated 2x)
2	Evacuate (550 Hz for 0.5 sec, 825 Hz for 0.5 sec)	In the interests of safety please evacuate the building now. (repeated 3x)	Alert (1 sec off, 825 Hz for 1 sec)	All Clear. The emergency has been resolved. It is safe to resume normal activities. All Clear. (repeated 2x)
3	Evacuate (550 Hz for 0.5 sec, 825 Hz for 0.5 sec)	This is a test of the fire alarm system. Please do not take any action. (repeated 2x)	Alert (1 sec off, 825 Hz for 1 sec)	The fire alarm test is now complete. (repeated 3x)
4	Fast Sweep (2500 Hz to 2850 Hz at 9 Hz)	Spare	Continuous (2850 Hz)	Spare
5	Dutch Slow Sweep (500 Hz to 1200 Hz for 3.5 sec, 0.5 sec off)	Spare	Continuous (825 Hz)	Spare
6	DIN Tone Sweep (1200 Hz to 500 Hz for 1 sec)	Spare	Continuous (825 Hz)	Spare
7	Swedish Fire Tone (660 Hz, 150 msec on, 150 msec off)	Spare	All clear continuous (660 Hz)	Spare
8	Aus Fast Rise Sweep [3 x (500 Hz to 1200 Hz for 0.5 sec), 0.5 sec off]	Spare	Aus Alert (420 Hz, 0.625 sec, 0.625 sec off)	Spare
9	NZ Slow Rise Sweep (500 Hz to 1200 Hz for 3.75 sec, 0.25 sec off)	Spare	NZ Alert (420 Hz, 0.625 sec, 0.625 sec off)	Spare
10	US Temporal LF [3 x (970 Hz, 0.5 sec on, 0.5 sec off), 1 sec off]	Spare	Continuous (970 Hz)	Spare
11	US Temporal HF [3 x (2850 Hz, 0.5 sec on, 0.5 sec off), 1 sec off]	Spare	Continuous (2850 Hz)	Spare
12	Simulated Bell Continuous	Spare	Simulated Bell Intermittent (1 sec off, 1 sec on)	Spare
13	Cranford Sweep	Spare	Cranford Alert	Spare
14	Cranford Continuous	Spare	Cranford Alert	Spare
15	Cranford Two Tone	Spare	Cranford Alert	Spare

Fig 5 and Fig 6 show how to select between Primary and Secondary in Action Sequence.

Fig 5

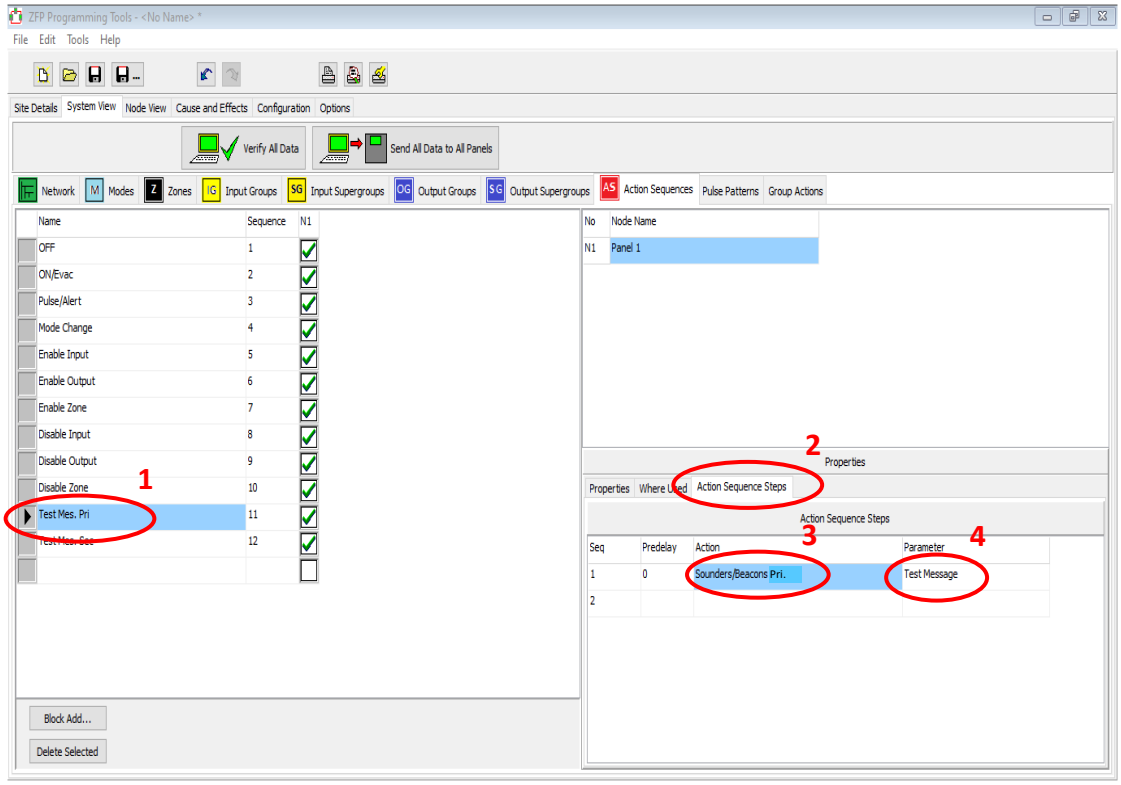
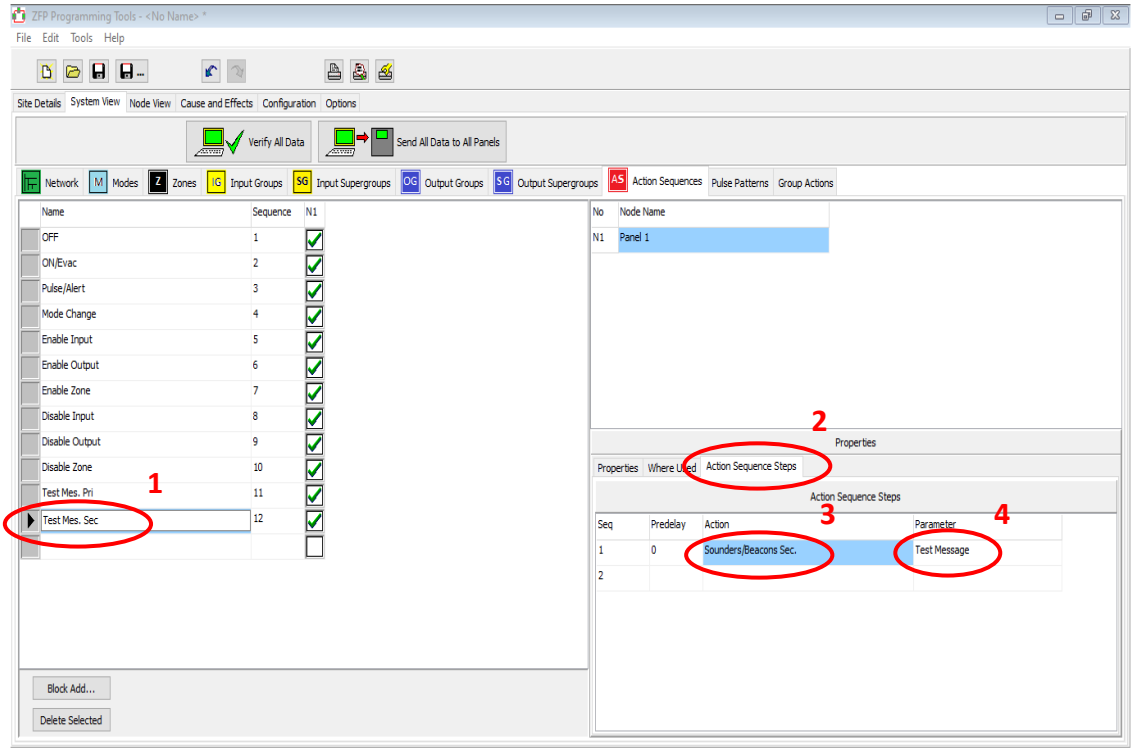


Fig 6



1. Select the correct Action Sequence.
2. Click onto Action sequence Steps.
3. Choose the correct message. Primary is Fig 5, Secondary is Fig 6.
4. Select Test Message.

Fig 7 below shows a completed cause and Effects tree again based on 2 different key switches doing the Primary message and the Secondary message.

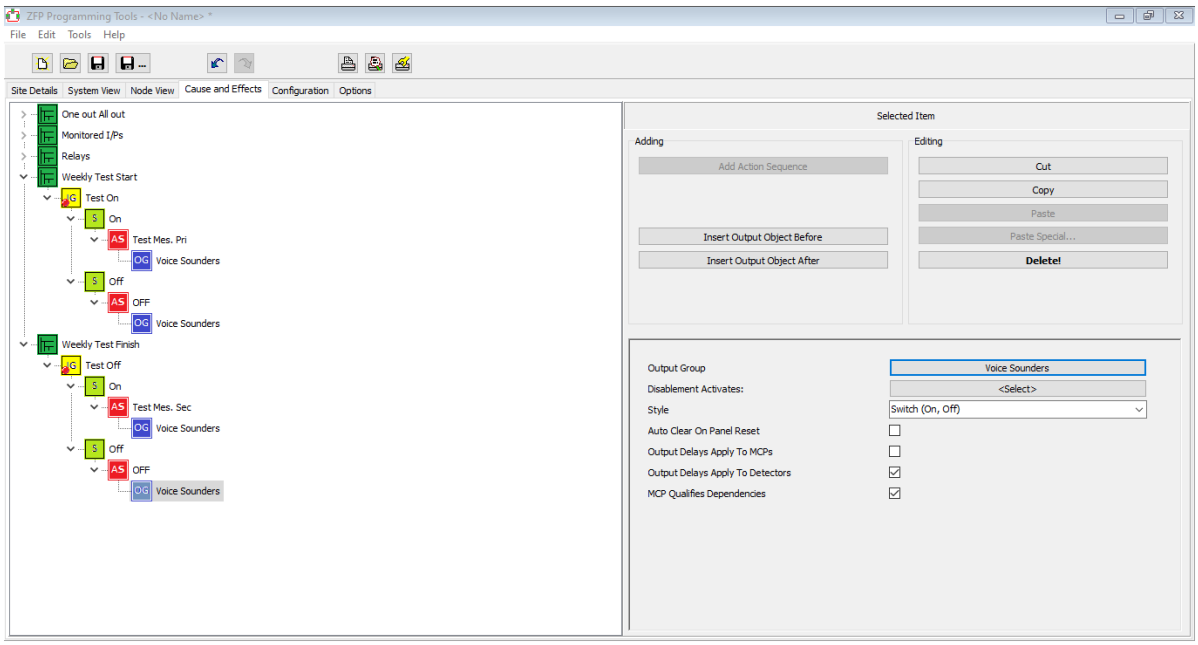



Fig 7