

Data Analysis

A univariate data analysis process was used to study each of the questions in the survey and the frequency table of distribution with the charts are plotted according to the responses of the respondents. There mean score was also determined.

Variables		Frequency	percent	Mean
<i>Are they ever overwhelmed by alarm 'floods'?</i>	<i>Strongly Agree</i>	2	25	3.0
	<i>Agree</i>	5	62.5	
	<i>Disagree</i>	1	12.5	
	<i>Strongly Disagree</i>	-	-	
<i>Are there nuisance alarms, e.g. are large numbers of alarms acknowledged in quick succession, or are audible alarms regularly turned off?</i>	<i>Strongly Agree</i>	2	25	3.0
	<i>Agree</i>	5	62.5	
	<i>Disagree</i>	1	12.5	
	<i>Strongly Disagree</i>	-	-	
<i>Is alarm prioritization helpful?</i>	<i>Very Helpful</i>	6	75	4.42
	<i>Helpful</i>	1	12.5	
	<i>Moderately</i>	-		
	<i>Fairly Helpful</i>	1	12.5	
	<i>Not Helpful</i>	-		
<i>Do you know what to do with each alarm?</i>	<i>Strongly Agree</i>	3	50	3.14
	<i>Agree</i>	4	37.5	
	<i>Disagree</i>	1	12.5	
	<i>Strongly Disagree</i>	-	-	

<i>Are the control room displays well laid out and easy to understand?</i>	<i>Yes</i>	8	100	3.0
	<i>No</i>	-	-	
	<i>May be</i>	-	-	
<i>Is clear help available, written or on ICSS screen?</i>	<i>Yes</i>	4	50	2.14
	<i>No</i>	2	25	
	<i>Maybe</i>	2	25	
<i>How easy is it to 'navigate' around the alarm pages?</i>	<i>Very Easy</i>	-	-	3.57
	<i>Easy</i>	4	50	
	<i>Moderately Easy</i>	4	50	

	<i>Not Easy</i>	-	-	
--	-----------------	---	---	--

<i>Are the information used on ICSS the same as the operators use?</i>	<i>Strongly Agree</i>	<i>1</i>	<i>12.5</i>	<i>2.86</i>
	<i>Agree</i>	<i>6</i>	<i>75</i>	
	<i>Disagree</i>	<i>1</i>	<i>12.5</i>	
	<i>Strongly Disagree</i>			
<i>Is there need to improve on Alarm management?</i>	<i>Strongly Agree</i>	<i>-</i>	<i>-</i>	<i>3.0</i>
	<i>Agree</i>	<i>8</i>	<i>100</i>	
	<i>Disagree</i>	<i>-</i>	<i>-</i>	
	<i>Strongly Disagree</i>	<i>-</i>	<i>-</i>	

From the Table above which represents Control Room Alarm Management respondents involved in the survey, about 87.5% of the respondents agreed that they are overwhelmed by both and alarm nuisance and the ‘floods’; in the same vein, they know what to do with each alarm; only 12.5 disagreed with this notion. However, their mean score shows that this case is true. 87.5% of the respondents also indicated that alarm prioritization was very helpful while 12.5% responded that it was helpful. Hence, the overall mean shows that alarm prioritization truly is helpful in control room alarm management.

The findings shows that the control room displays where well laid out and very easy to understand; 50% of the respondents who said ‘Yes’ indicated that a clear help was available, which was written on ICSS screen; about 25% of them were inconclusive while 25% said ‘No’. The Mean score of the respondents shows that it is easy to navigate through the alarm pages.

87.5% of the respondents agree that the information used on ICSS was the same the operators used. All the respondents agree that there should be need for an improvement in alarm management process.

Charts of the Analysis

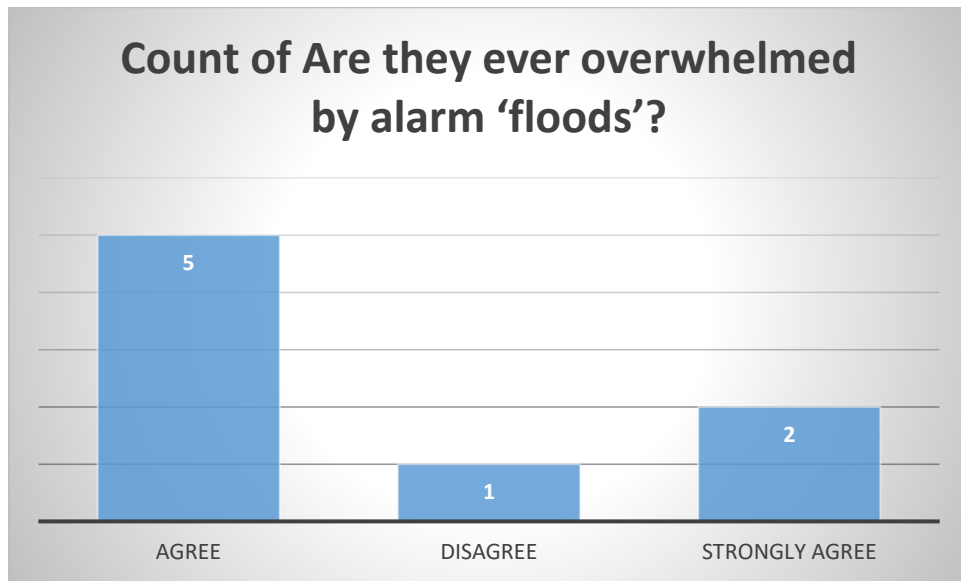


Chart 1

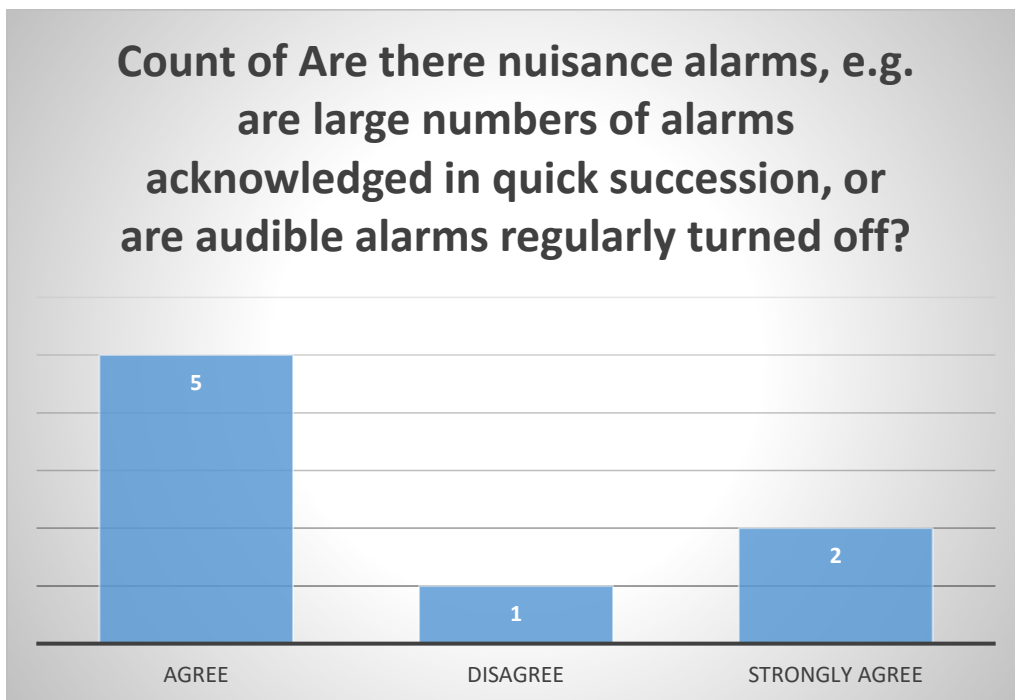


Chart 2

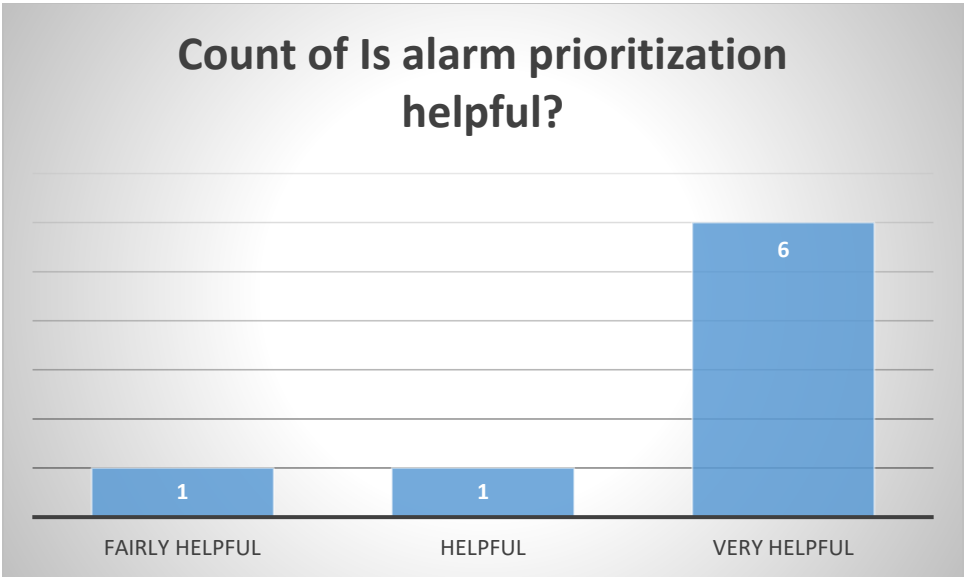


Chart 3

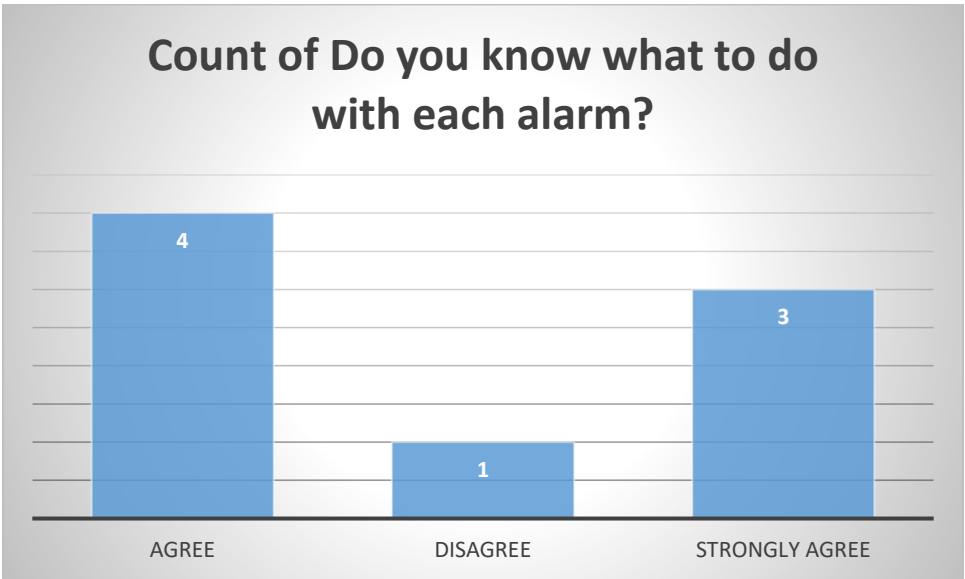
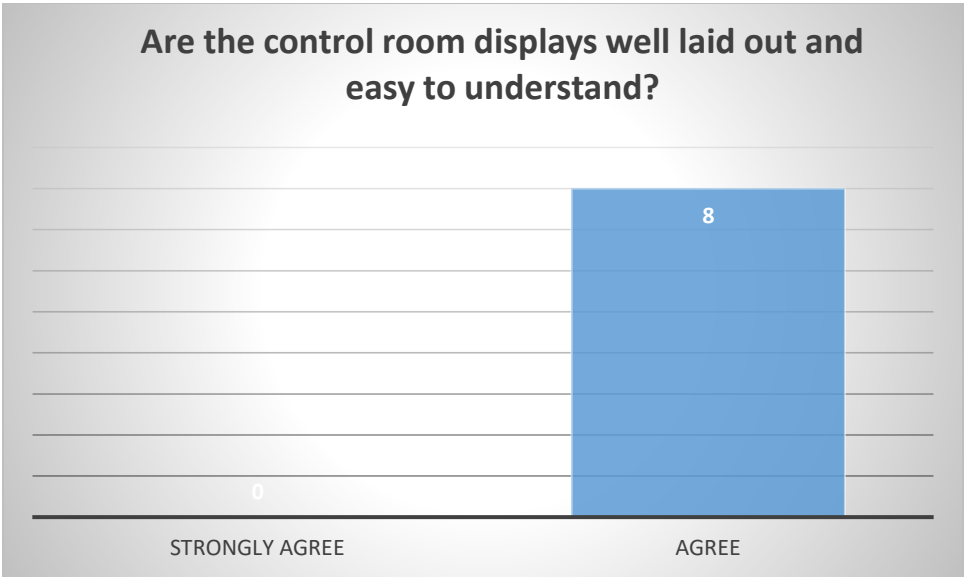


Chart 4



Chat 5

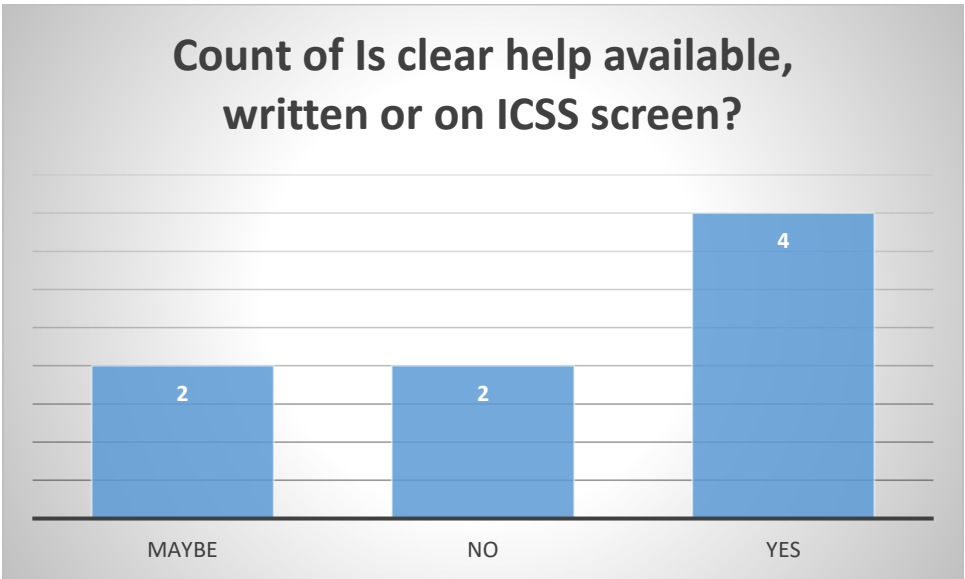


Chart 6

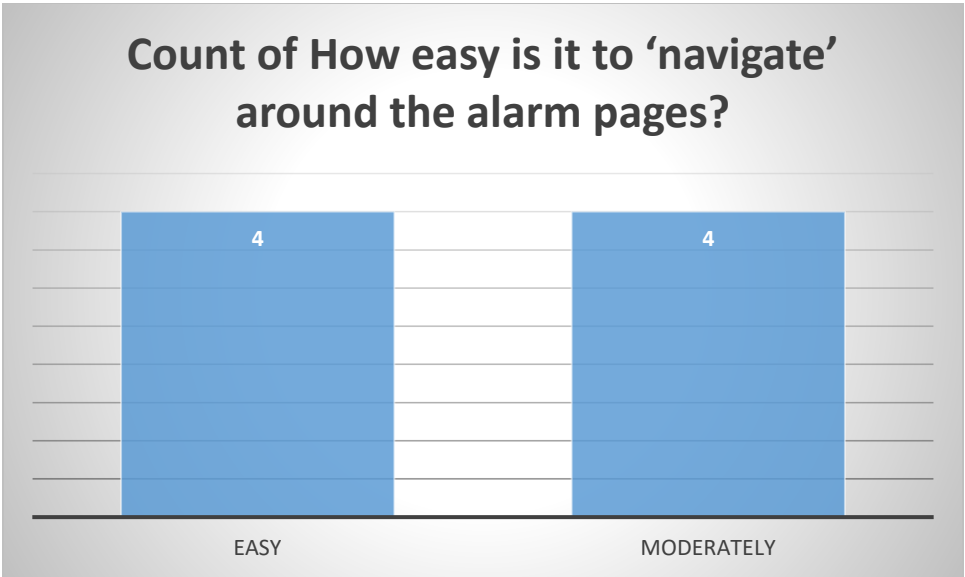


Chart 7

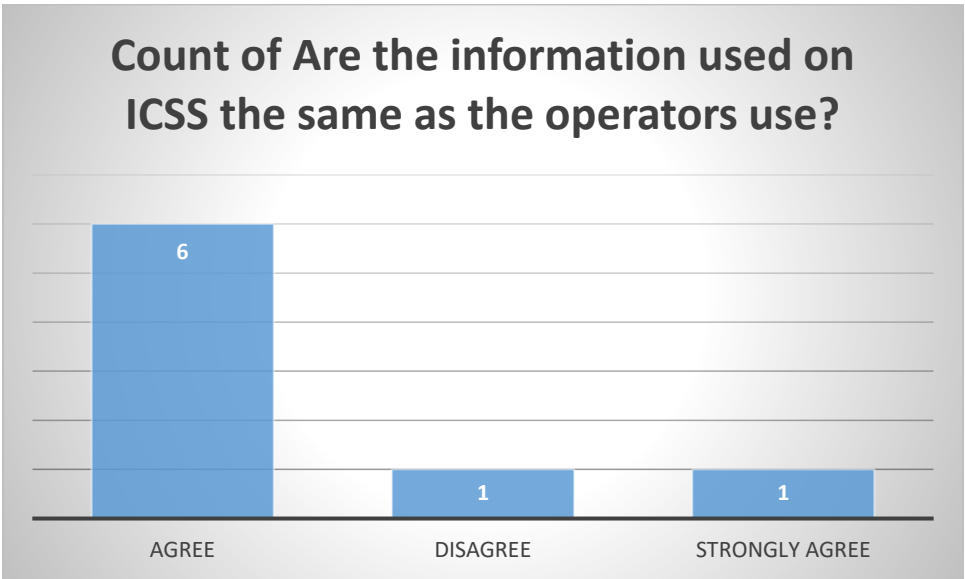


Chart 8



Chart 9