

Exaquantum/ARA Alarm by Condition and Tag Report Limitations

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Document Summary	
Article Type	User Guide
Products Affected	Exaquantum/ARA
Versions Affected	All
Function Affected	ARA Alarm by Condition and Tag Report
Available Resolution	None
Audience	System Integrators, Administrators and Operators.
Summary	Details of limitations with the current ARA Alarm by Condition & Tag Report to ensure the report can continue to be effective for operators.
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Chapter 1 Introduction

Exaquantum/ARA provides an Alarm by Condition and Tag report. This report's purpose and function is detailed in the Exaquantum/ARA User Manual Chapter 12.2. There are currently two known limitations with the operation of the report. This document will detail these limitations and how the report can be interpreted so that it remains effective for operators.

1.1 Audience

This guide is intended for system integrators, administrators, and operators.

Chapter 2 Limitations

There are two limitations with the current Exaquantum/ARA Alarm by Condition and Tag report. These limitations do not affect the integrity of the data in the report, but can affect the usability for the operator. The report and its limitations may be reviewed for resolution in a future version of the product.

The report limitations are summarized below and detailed in the following sections:

1. When filtering the report using the Tag Name Search parameter, other tags that have counts over the report threshold are grouped in the "< Threshold" row.
2. When the applied report filter has no alarms of the configured conditions above the report threshold, an empty tag name cell of ".." is displayed instead of the "< Threshold" row.

Note the report alarm count threshold is by default set to 5. The Exaquantum/ARA User Manual Chapter 5.4.2 contains details on how to modify this value.

2.1 Incorrect “< Threshold” Count

When filtering the report using the Tag Search parameter, alarms that do not match the Tag Search criteria are included in the “< Threshold” row for each condition.

In this example, with no Tag Search filter applied, the results for the calendar day are as follows:

Filter working as expected

Calendar Day	Condition	Tag Name	Station	Alarm Rate
2022-05-20	HI			4500
		Area3_Unit3_1FIC1101LONGNA ME	FCS0101	900
		Area2_Unit2_1FIC1105	FCS0101	900
		Area2_Unit2_1FIC1201	FCS0101	900
		Area2_Unit2_1FIC1203	FCS0101	900
		Area2_Unit2_1FIC1205	FCS0101	900
2022-05-19				

Total count is 4500 and each tag count is 900

However, with a Tag Search applied, by adding a search criteria to the Tag Name Search

Tag Name Search filter applied correctly

Calendar Day	Condition	Tag Name	Station	Alarm Rate
2022-05-20	HI			4500
		Area2_Unit2_1FIC1203	FCS0101	900
		< Threshold		3600
2022-05-19				

Remaining counts included in “< Threshold” despite being well in excess of configured threshold

filter, users will see the filter is applied correctly but the remaining alarms are grouped into the “< Threshold” row:

As the report filter has been configured for a specific Tag Name Search criteria, and so Operators are reporting on specific tags only, this limitation with the “< Threshold” count can be ignored.

2.2 Incorrect Tag Name Cell “..”

When the applied report filter has no tags of configured conditions above the report threshold, the row visibility logic does not apply correctly and an empty tag name row is displayed.

In this example, with the Tag Name Search and Condition filters configured, the report Tag Name cells appear as expected:

Calendar Day	Condition	Tag Name	Station	Alarm Rate
2022-05-20				
	ALM			9000
		< Threshold		9000
	HI	Area2.Unit2.1FIC1203	FCS0101	4500
		< Threshold		3600
2022-05-19				

If the filter for the “HI” condition is removed from the filter configuration, users can expect the “ALM” condition to display only. However, in this example the “ALM” condition does not have any Tags that exceed the threshold, and so the Tag Name cell does not appear correctly:

Calendar Day	Condition	Tag Name	Station	Alarm Rate
2022-05-20				
	ALM			
		..		9000
2022-05-19				

If the user encounters this limitation with the report, the “..” tag name cell can be interpreted as “all tag alarm counts of this condition that do not match the report filter criteria”.

Chapter 3 Further Reading

For further information please visit the Yokogawa Marex support website or contact YMX at the support@ymx.yokogawa.com email address.

The Yokogawa Marex support website is available at <https://ymx.yokogawa.com/support>

The Yokogawa Marex Knowledgebase is available at <https://ymx.yokogawa.com/knowledge-base>

The Exaquantum/ARA User Manual Chapter 12.2 contains detail of the Alarm by Condition and Tag report.

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Highlights

The Highlights section gives details of the changes made since the previous issue of this document.

- **Summary of Changes**

This is Issue 1.0 of the document related to Product Library version 1.0.

- **Detail of Changes**

The changes are as follows:

Chapter/Section/Page	Change