Knowledge Base

Exaquantum/ARA

Exaquantum/ARA Alarm by Condition and Tag Report Limitations

KB-1083-22

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.
Review Date	Document to be reviewed before November 2023

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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 useability for the operator. The report and its limitations may be reviewed for resolution in a future version of the product.

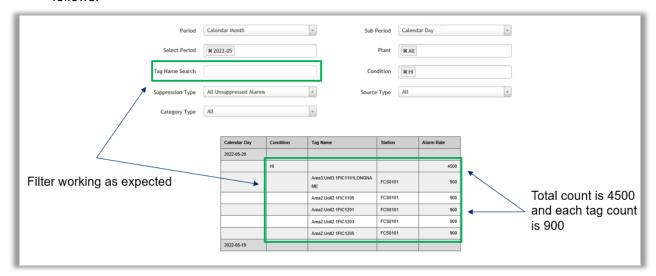The report limitations are summarized below and detailed in the following sections:

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.
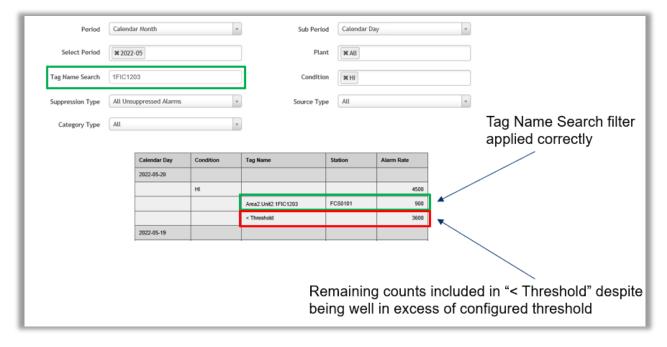
2.1 Incorrect "< Threshold" Count

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:

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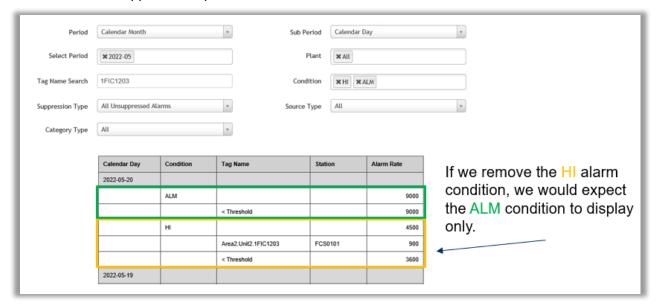

filter, users will see the filter is applied correctly but the remaining alarms are grouped into the "< Threshold" row:

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.
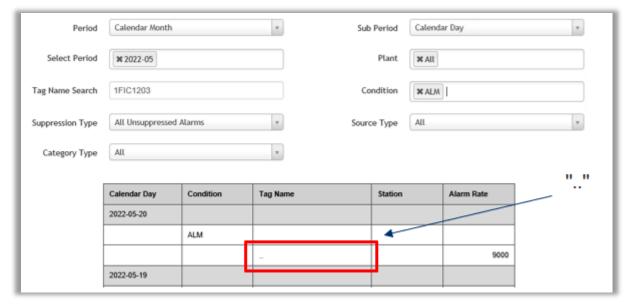
2.2 Incorrect Tag Name Cell ".."

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:

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:

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