

ARA Update Job Timings

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Summary	Describes the Timing of the ARA Update Job and what jobs run at certain times.
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Chapter 1 Introduction

This document will describe the three different timings of the ARA Update Job and what jobs are run at what time depending on the stage in processing, all descriptions are based on the default ARA settings being.

This document is designed to help the user understand why only certain ARA data may be in the system and at what point the data is in the ARA processing.

1.1 Audience

This guide is intended for the Users of the ARA system.

Chapter 2 ARA Update Job

The ARA Update Job is the method which ARA uses to process the data in the Exaquantum Alarm tables and populate the ARA Databases and CUBE with the relevant data.

2.1 ARA Update Job Data Retrieval Types & Methodology

There are 3 different types of data retrieval that can happen when the ARA Update Job is run:

Types:

Last Hour - The Job will run and retrieve the Last Hour of data.

Historical - The Job will run and retrieve History data.

Catch Up – If ARA has stopped the Job will run and retrieve data from the time ARA has stopped until 'Last Hour'.

Methodology:

Start of Reporting – This is the date set in the ARA Configurator, ARA will only collect data from the Exaquantum Database from this date onwards, if there is no data in the database for this date ARA will stop at the earliest point the data may not be available due to archiving.

Process To Live – This is the latest time which ARA has processed to, if this is not up to the 'Last Hour' a 'CatchUp' will be required ARA will do this automatically.

2.2 ARA Update Job Timings

The ARA Update Job (Known as ARA Event Processing from Exaquantum\ARA R3.40 onwards) by default runs every 10 minutes.

The Last Hour ARA Update Job is run every hour at 10 minutes past the hour.

This job will not run if the previous Update Job is still running, this job will run once the previous job has finished.

The Historical ARA Update Job is run every 10 minutes.

This job will not run if the previous Update Job is still running, this job will run once the previous job has finished.

This job will not run at 10 minutes past the hour as this is when the 'Last Hour' ARA Update Job is run.

This Job will not run if ARA has been stopped and a 'CatchUp' is required.

This job will not run if the 'Start of Reporting' has been reached.

The CatchUp will run every 10 minutes even at 10 minutes past the hour if a catch up is required to get the ARA data to catch up from the 'Process To Live' to the 'Last Hour'.

Chapter 3 Further Reading

For more information on the ARA Update Job please review the following documents:

- IM 36J40A25-01EN Exaquantum/ARA Engineering Guide

If you require further information, please contact Yokogawa Customer Support

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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