SFM Data Flow

KB-0013-22

Document Summary	
Article Type	User Guide
Products Affected	Exaquantum/SFM
Versions Affected	R3.00 - R3.20
Function Affected	SIFs
Available Resolution	N/A
Audience	System Integrator, Administrators, Engineer, Users
Summary	How SIFs are displayed in SFM
Review Date	Document to be reviewed before Jan 2022

Blank Page

Table of Contents

Chapter 1 Introduction

This document will describe the data flow that users can follow to investigate why SIFs are not being displayed on the SFM website.

1.1 Audience

This guide is intended for System Integrators, Administrators, Engineers and Users.

Chapter 2 SIF Flow Diagram

2.1 SIF Flow Diagram

If the required SIF is not displayed on the SFM Website follow the below diagram to figure out where in the flow of data the issue has occurred.

For Internal Use Only
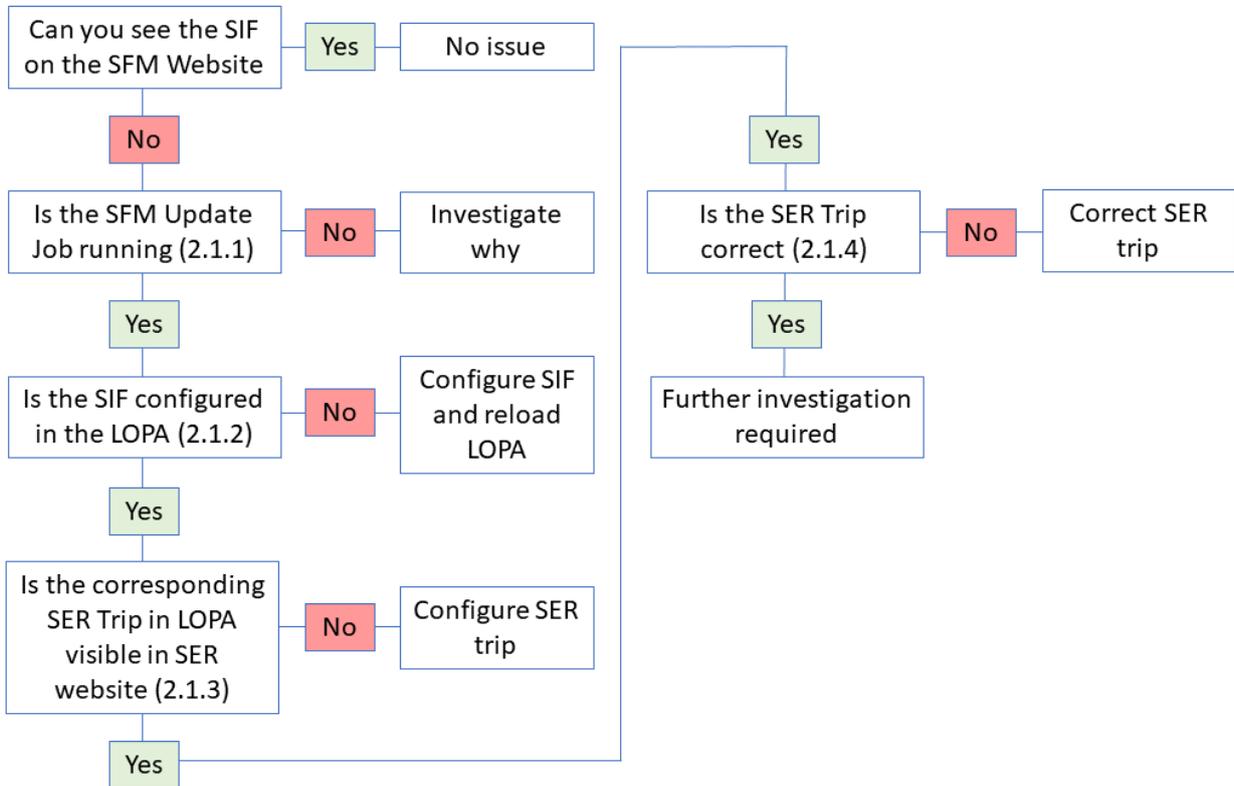
2.1.1 SFM Update Job

1. Open the SQL Server Management studio and find the SFM Update under the SQL Server Agent Jobs folder.
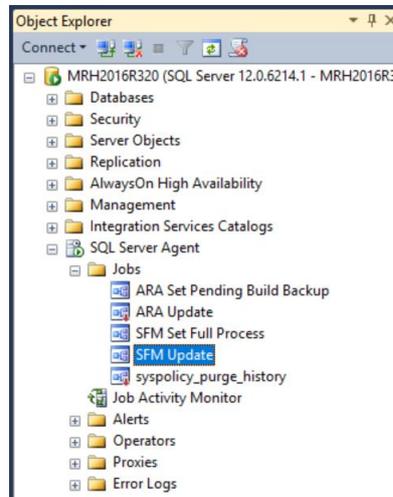
2. The SFM Update job may be disabled.

3. To check this right click on the SFM Update and check to see if Enable is greyed out (this indicated the job is Enabled).

4. The SFM Update job could be failing, to check the status of the job right click on the SFM Update and select View History, the pop up will clearly display if the job was successful.

5. If the SFM Update job is failing review the message, if required please contact support@ymx.yokogawa.com for further help. The below screen shot is an example of a successful job, if the job has failed the green tick will be replaced with a red cross.
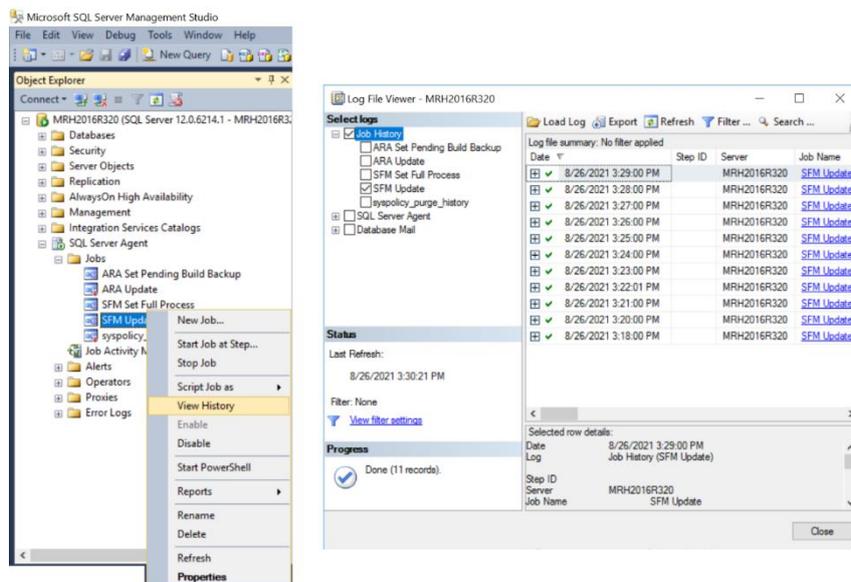
2.1.2 SIF Configured in the LOPA

Open the LOPA file that has been created in Excel and check the SIF has been correctly configured and assigned a related SER trip.

Under the SIFs worksheet tab find the SIF that is missing from the website.

Make sure there is a Trip Name associated with the SIF in the Coolum that is highlighted below.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	LOCAL REF	NAME	TRIP NAME	ASSOCIATED TAGS	VERSION	IL	FE/YR	PFDAvg	RPU	SITE	FACILITY	AREA	SYSTEM	OFFLINE TRIP	ONLINE TRIP
2	1	YMX-001 Feed Gas KO drum Overfilling Protection	SIF-7-1	001OP001	1	1	4.38E-03	0.02283105	STN001	Plant1	Gas	Gas	3231	GAS TR1 OFFLINE	GAS TR1 ONLINE
3	2	YMX-002 Feed Gas KO drum Overfilling Protection	SIF-7-2	001OP008	1	1	4.38E-03	0.02283105	STN001	Plant1	Gas	Gas	3232	GAS TR1 OFFLINE	GAS TR1 ONLINE
4	3	YMX-001 Gas Blowby Protection for Feed Gas KO Drum	SIF-8-1	001OP002	1	a	6.00E-05	0.166666667	STN001	Plant1	Gas	Gas	3231	GAS TR1 OFFLINE	GAS TR1 ONLINE

2.1.3 SER Trip Configured in the LOPA visible on the SFM Website

Open the SER Website and make sure the SER Trip configured for the SIF is showing on the website.

This will be on the Trips page, use the Filter please refer to the SER User Manual Chapter 5.3 Common Components and Functionality.

Date/Time ↓	Trip Name	OPC Server	Source	Message
24 Feb 2015 08:20:44.000	SIF–7–1	CAMS	2FIC1103	2FIC1103 Flow Lower LineB UnitC PV = 50.0 KM3/H LO Recover
24 Feb 2015 08:20:44.000	SIF–7–2	CAMS	2FIC1102	2FIC1102 Flow Lower LineB UnitC PV = 50.0 KM3/H LO Recover

Exaquantum/SER ▾ Trips Sequence of Events 👤 RDS-P\Quantumuser ▾

Trips from 23/02/2015 00:00:00 to 24/02/2015 23:59:59 (102 Trips) ▼ Filter ▾ ⚙ ▾

2.1.4 SER Trip Correctly Configured

Open the SER configurator and check the trip is correctly configured, check the attributes match the alarm coming in from the DCS.
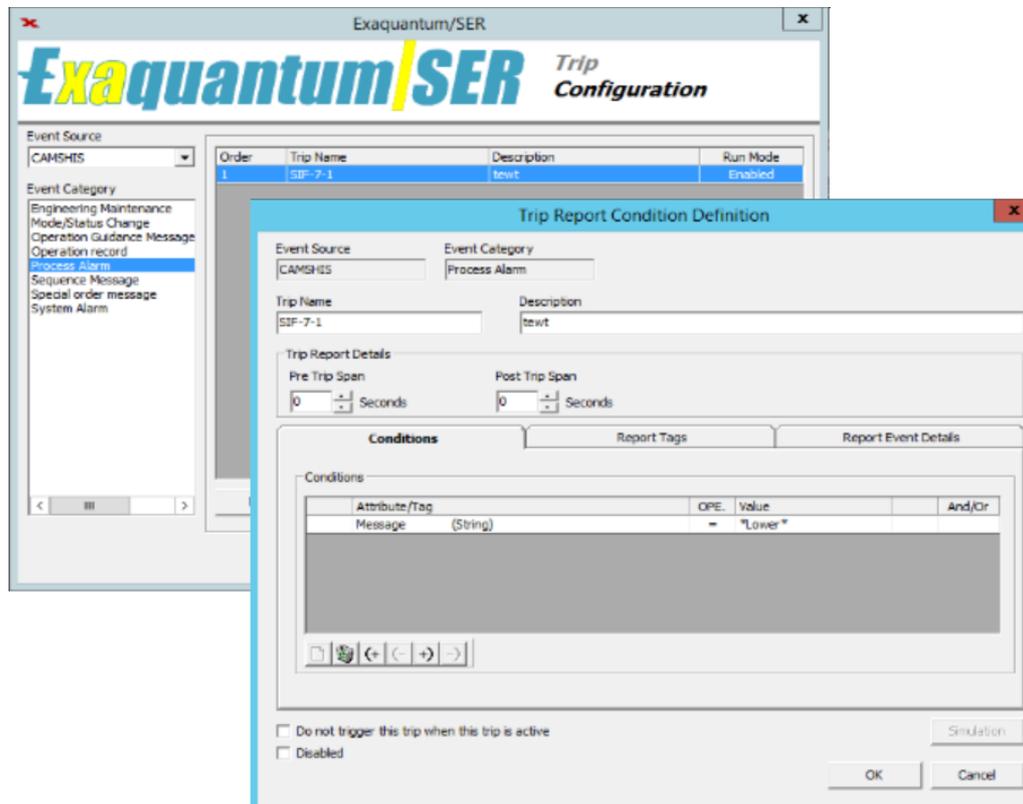
This will be on the Sequence of Events page on the SER website, use the Filter to find the Alarm that should cause the Trip to do this please refer to the SER User Manual Chapter 5.3 Common Components and Functionality.

Chapter 3 Further Investigation

For further investigations please contact Yokogawa Customer Support

Customer.services@ymx.yokogawa.com

Please raise a call and fill in the Customer Support Initial Call Logging Sheet.

Chapter 4 Further Reading

For more information on SFM please review the following documents:

- IM 36J40B21-01EN SFM User Manual

- IM 36J40B25-01EN SFM Engineering Guide

If you require further information, please contact Yokogawa Customer Support

Customer.services@ymx.yokogawa.com

Copyright and Trademark Notices

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