

COVER LETTER

STANDARDS

IEC 61508	IEC 62061
ISO 26262	ISO 13850
ISO 21448	MIL STD 882e
ISO 13849	ISO 10218
ISO 12100	ISO/SAE 21434

SOFTWARE TOOLS

IBM DOORS	MEDINI
HELIX ALM	CAMEO
JAMA	MAGIC DRAW
JIRA	VISIO
POLARIAN	MS OFFICE

Lion
of

Functional Safety™



Jherrod Thomas

Metro Atlanta, GA 30126

jherrod.Thomas@consultant.com

CERTIFIED FUNCTIONAL SAFETY EXPERT

I'm a certified Functional Safety Expert that leverages Model-Based Safety Engineering practices. MBSaE™ is an endeavour to provide a multidimensional, task-oriented digital model of functional safety efforts. It has advantage over document-based system because its all-in-one system and it saves the time of the stakeholders because of its efficiency. Normally, document-based system is complex and needs documents/inputs from different stakeholders in various departments like systems, software, hardware, testing, and production while this practice operates using single source of truth. Secondly, it aims to set a common standard for all users so that the discrepancies may be fixed by creating a specific program for that. In this way, this common modelling approach helps in removing inconsistencies more effectively in comparison with the traditional document-based system. The strength of this database is to create an automation system so that all information must be synchronized and disseminated to all users at once. Similarly, new and updated information is also installed automatically for the convenience of the customers across various disciplines.

I add value in every role by doing the following:

- Developing a robust Functional Safety culture for the organization.
- Creating Functional Safety work products for the organization while managing the program timeline until completion.
- Building a comprehensive safety plan and identifying resources
- Coaching & training engineering teams to increase working level knowledge of Functional Safety deliverables.
- Performing Safety analysis, such as FMEDA, FTA, & DFA, for safety-critical architectures