

Defects Prevention for the Aerospace Industry



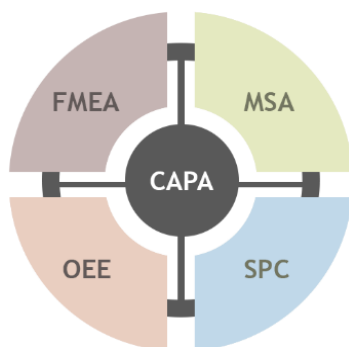
Introduction

The Aerospace industry is rapidly adopting a Zero Defects approach throughout its supply chain.

Achieving Zero Defects cannot be done successfully with current quality systems. New approaches, like those developed in automotive and semiconductor manufacturing will need to be adopted.

This will require some changes in thinking, commitment and a more proactive approach to quality.

To support, DataLyzor International has nurtured long term relationships with automotive and semiconductor manufacturers and has developed an integrated suite of quality tools that are fundamental to implementing and maintaining a Zero Defects programme.



DataLyzor solutions can inform and enable a more proactive approach to quality, to support the achievement of Zero Defects in the aerospace industry. Let us examine this together briefly.

Zero Defects Through APQP

The aerospace industry already uses various powerful methods and tools for quality, but these are largely reactive and post-process and generally don't prevent defects effectively.

Quality based on traditional inspection techniques will not result in Zero Defects. Quality must be built in from the design step onwards. This whole process is referred to as Advanced Product Quality Planning (APQP).

To support a more proactive approach to quality, the aerospace industry has developed its own set of standards to help suppliers to develop a consistent approach to Zero Defects through APQP.

Simply stated, the way to achieve Zero Defects for quality is to proactively prevent defects.

A fit for purpose defects prevention strategy requires enhanced capability around quality planning, process control and quality assurance.

The following series of current and upcoming Aerospace Standards provide guidelines for this:

Aerospace Standards	Current	Upcoming
AS13000 Problem Solving	✓	
AS13001 Supplier Self Release Training	✓	
AS13002 Inspection Frequency	✓	
AS13003 Measurement Systems Analysis	✓	
AS13004 PFMEA & Control Plans	✓	
AS13005 Internal & Supplier Audits		✓
AS13006 Process Control		✓
AS13007 Supplier Management		✓

To enhance your capability around quality planning, process control and quality assurance, DataLyzer provide a holistic solution set which maps to the requirements of current and upcoming Aerospace Standards as follows:

Aerospace Standards	DataLyzer Solutions
AS13000 Problem Solving	FMEA/Control Plan for Proactive D7 Approach
AS13001 Supplier Self Release Training	
AS13002 Inspection Frequency	First Article Inspection (CoA) and SPC
AS13003 Measurement Systems Analysis	Gage Management for Calibration and MSA Studies
AS13004 PFMEA & Control Plans	FMEA /Control Plan
AS13005 Internal & Supplier Audits	DataLyzer FMEA /Control Plan/SPC and CAPA
AS13006 Process Control	FMEA/Control Plan, SPC and MSA
AS13007 Supplier Management	DataLyzer FMEA /Control Plan/SPC and CAPA

Zero Defects + DataLyzer Solutions = Defects Prevention

DataLyzer solutions can inform and enable a more proactive approach to quality, i.e., an APQP process, to support the achievement of Zero Defects for quality in the aerospace industry.

Using DataLyzer Core Tools, [this video](#) shows how APQP can be implemented in a practical way.

To learn more about what DataLyzer can do for you and your company, please contact us at andrew.start@datalyzer.com or schedule a call - www.calendly.com/andrew-start

About DataLyzer International

With 38 years in the business, partners in Continuous Improvement, DataLyzer is the only provider of manufacturing intelligence solutions globally offering integrated tools for FMEA/Process Flow/Balloonning/Control Plan, real-time SPC and OEE with Gage Management for Calibration and MSA studies, CoA and CAPA.

This suite of integrated tools helps our customers to enhance their risk management capability, standardise processes to improve quality, (i.e., to deliver on-time and on-quality), whilst promoting efficiencies, reducing the cost to do so and not least to enhance customer satisfaction!

Website - <https://www.datalyzer.com/>