Advanced Product Quality Planning

APQP
Third Edition

AIAG
ADVANCING MOBILITY

ADVANCED PRODUCT QUALITY PLANNING (APQP)

Reference Manual

Third Edition

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FOREWORD

Third Edition

Effective March 1, 2024, APQP Third Edition and Control Plan Reference Manual replace APQP and Control Plan Second Edition unless otherwise specified by your customer.

The APQP and Control Plan Second Edition were split into separate manuals. Decoupling of the two will facilitate more timely updates as systems evolve.

Factors driving the need for this update:

- Changes to other references necessitate updates for APQP to remain relevant. For example, new terminology and concepts consistent with IATF 16949, AIAG & VDA FMEA Handbook and other Ford, General Motors, and Stellantis core tool manuals.
- The due diligence for APQP is being strengthened to avoid pitfalls from known risk factors.
- Incorporation of lessons learned from past projects and problems.
- Applications of APQP are changing to meet demands imposed by higher automation and ultimately autonomous driving, electrification and expanding definition of mobility.
- Addition of a "Safe Launch" requirement to the Production Control Plan, to be applied in initial launch of Mass Production.
- Appropriate references to customer specifics provided without the full text.
- Supplier input was actively solicited and incorporated when appropriate.

This manual continues to provide general guidelines for ensuring that Advanced Product Quality Planning is implemented in accordance with the requirements of the customer. There are no specific instructions on how to arrive at each APQP entry, this is a task best left to each organization.

The intent of APQP is to proactively assess and mitigate risk factors impacting product launch.

While these guidelines are intended to cover most situations normally occurring either in the early planning, design phase, or process analysis, there will be questions that arise. Please direct any questions to your authorized customer representative.

The following individuals and their respective companies participated in the revision process.

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