

Document number —

Revision **A**

Effective date —

Owner —

DRAFT

FMEA header

FMEA type **Process FMEA (PFMEA)**

Company / plant

Program / model year

Subject / part name

FMEA ID number

Cross-functional team

Start date / revision date

Confidentiality level

Scope & structure analysis

Define the process, its steps and functions, and the analysis boundary (structure & function analysis).

Failure, risk & optimization (AIAG-VDA 7-step)

RISK ANALYSIS									OPTIMIZATION									
PROCESS STEP / FUNCTION	FAILURE MODE	EFFECT(S)	S	CAUSE / MECHANISM	PREVENTION CONTROL	O	DETECTION CONTROL	D	A P	RECOMMENDED ACTION	RESPONSIBILITY	TARGET DATE	STATUS	ACTION TAKEN & EVIDENCE	S'	O	D	A P
[Process step / function]	[Potential failure mode]	[Effect on customer / next operation]	8	[Potential cause / mechanism]	[Current prevention control]	4	[Current detection control]	6	H	[Recomm ended action]	[Owner]	[Target date]	Open	[Action taken + evidence + completion date]	8	2	4	L
[...]	[...]	[...]	9	[...]	[...]	3	[...]	4	H	[...]								

Rating scales & Action Priority

RATING SCALES (1–10) • AIAG-VDA

RATING	SEVERITY (S)	OCCURRENCE (O)	DETECTION (D)
9–10	Safety / regulatory	Very high: failure inevitable	Very low: control unlikely to detect
7–8	Loss of primary function	High	Low
4–6	Loss of secondary function	Moderate	Moderate
2–3	Minor / annoyance	Low	High
1	No discernible effect	Failure eliminated by control	Certain: control will detect

Action Priority (High / Medium / Low) is derived from Severity, Occurrence and Detection per the AIAG-VDA AP table. High priority requires action, Medium should be actioned, Low is at the team's discretion.

Approval

PREPARED BY

REVIEWED BY

APPROVED BY

DATE

DATE

DATE

CONTROLLED STRUCTURE AIAG-VDA FMEA Handbook (2019)

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