

APPENDIX

DETERMINATION QUESTIONNAIRE OF WEIGHT / PRIORITY IMPORTANCE OF CRITERIA TO ANALYSE THE FAILURE

Here are the criteria to analyse the failure mode potential:

1. Severity : an assessment of seriousness of an effect or the consequence of a potential failure on a component affecting an engine's work being analysed / examined.
2. Occurrence : measure of how often a failure occurs.
3. Detectability : a measurement of the ability to detect or control the failure that can occur.

To compare the importance level from each criteria to analyse the failure by crossing (X) the column below using pairwise:

- 1 = equally important
- 3 = slightly more important
- 5 = much more important
- 7 = far more important
- 9 = extremely more important
- 2,4,6,8 = middle value between 2 level of decision

By using pairwise comparison rating scale below, which criteria is more important to analyse the failure?

Criteria	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9	Criteria
Severity																		Occurrence
Severity																		Detectability
Occurrence																		Detectability

Left side more important ← → right side more important