312217205045 Maaduhwavam.P this plan for action on a T- A'

Sheet No. ....

Forlue Mode and effect Analysis: (FMEA)

finture moder

In mis method, various parts or components of the system and modes of failure are studied. The causes of failure or me inter-sulationships between me components are not studied. successful FMEA implementation originales sulevant knowledge and viright as well as engineering judgement.

FMEA is defined as a systematic tool

to

(i) identify possible failure modes in me product/process.

(ii) to sink understand failur mechanism

(iv) plan for action on eluminating failure modes.

Steps to conduct FMEA:

Derodutt Process and its function must be understood first.

2) Block diagram of product/procus

3) Header on FMEA form is Completed.

Junctions are listed logically.

5) Identification of fortune modes. 6) Identifying relationship between

failures of different components.
7) référets of failure mode au

described. Pra: injung to and, environment, equipment, etc:

equipment, eve. 8) Cours of failures are identified

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9) Probability of occurre of failures is calculated; I indicating 'nor likely' and 'o' midicating inevitable!

10) Design or process mechanism has to be identified, which com prevent came of Jouline before reaching me austomer.

11) Pisk Pronty number (RPN) is calculated as

RPN= swenty × Probability × Deliction 12) Recommended actions one determined

to address potential risks or failures bith high RPN.

FMEA Document:

| 1 | Model No<br>FMEN Horm |     |    |     |       |         | Prepard by Responsibility Origin FMER date Date of survision |        |       |     |                       |                     |        |                                       |
|---|-----------------------|-----|----|-----|-------|---------|--|--------|-------|-----|-----------------------|---------------------|--------|---------------------------------------|
|   |                       | 1   |    |     | المور | 1       | l .  | Protes | tion  | 7   | Recommended<br>Ac non | Perponsibily Parage | Action |                                       |
|   | Todas,                | hyo | 大大 | 428 | J .   | Court o | Occurne  | Cumit  | petec | RPN | Rec                   | Respons             |        | 1                                     |
|   |                       |     |    |     |       |         |  |        |       |     |                       |                     |        |                                       |
|   |                       |     |    |     |       |         |  |        |       |     |                       |                     |        |                                       |
|   |                       |     |    |     |       |         |  | _      | 1_    | 1-  | <b></b>               |                     |        | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |

DModel NO: Includes name and identification no. of system or components

2) Prepared by: Details like norme, phone number, address of personnel.

3) Responsibility: Jeom nicharge of design or process should be included. The company or department of person or group responsible for preparing the document.

4) FMEA ream! Normes of susponsible midwiduals and departments mat have authority to perform tasks are vieleded.

5) FMEA date: Date of original FMEA compiled should be entered.

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