Prachith's Infotech Marketers

3KVA(1:1) => Model -HP3KL Online UPS System MTBF-MTTR-AVAILABILITY & AFR

MTBF	=	Hours in a Year / AFR	**Mean Time Between failure**

Failures are defined as critical load drops caused by anything, including human error.

During the sample period, hundred failures were reported. Of those, So, based on the definition of failure ,hundred failures are used in the calculation that follows. The failed products were received, diagnosed, and repaired prior to the AFR calculation.

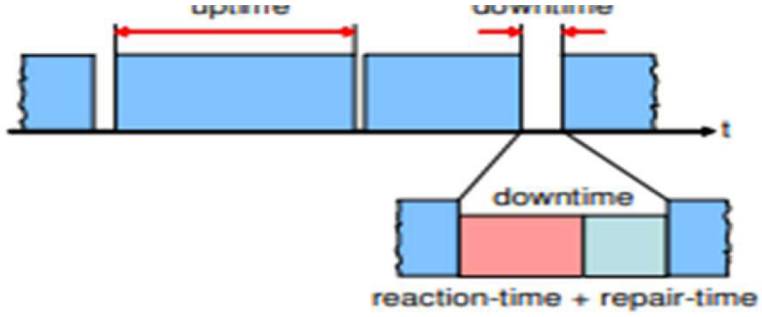
AFR is Calculated As

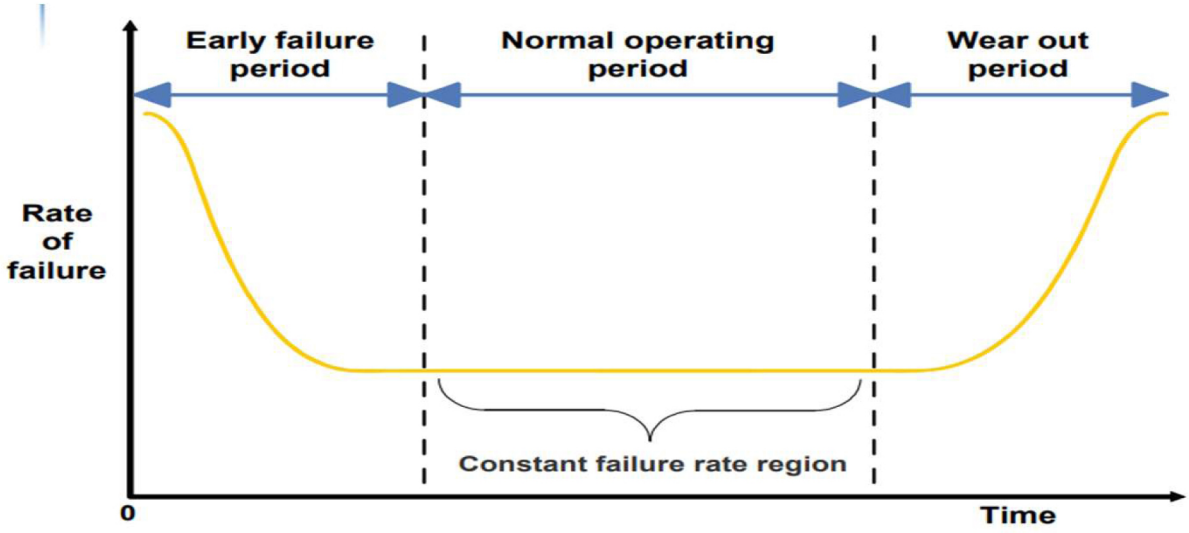
AFR	=	100failures X (52 weeks per year /24 weeks in / 3000	
	=	100x2.17 / 3000	
	=	0.072	
MTBF	=	8760 / 0.072	hours
MTBF	=	121667	hours
MTBF	=	**14**	Years

MTTR	=	**4 hours**

Availability	=	MTBF / MTBF+MTTR
Availability	=	121667 / (121667+4)
Availability	=	121667 / 121671
Availability	=	0.999967124

uptime downtime





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