Prachith's Infotech Marketers

30KVA(3:3) => Model -TTI50030 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.

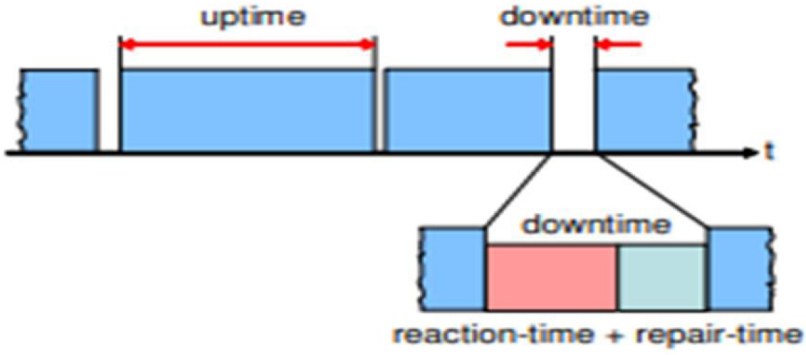
During the sample period, Four failures were reported. Of those, So, based on the definition of failure ,Four failures are used in the calculation that follows. The failed products were received, diagnosed, and repaired prior to the AFR calculation.

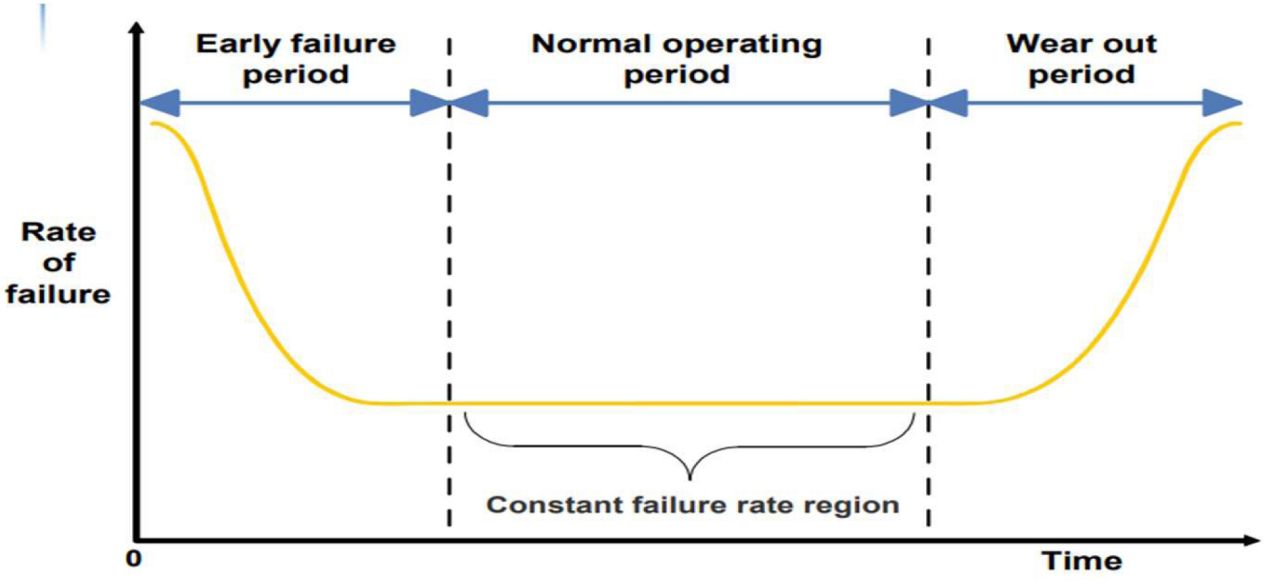
AFR is Calculated As

AFR	=	4failures X (52 weeks per year /26 weeks in sample / 200	
	=	4x2 / 200	
	=	0.040	
MTBF	=	8760 / 0.04	hours
MTBF	=	219000	hours
MTBF	=	**25**	Years

MTTR	=	**4 hours**

Availability	=	MTBF / MTBF+MTTR
Availability	=	219000 / (219000+4)
Availability	=	219000 / 219004
Availability	=	0.999981735





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