Prachith's Infotech Marketers

10KVA(3:3) => Model -TTI50010 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.

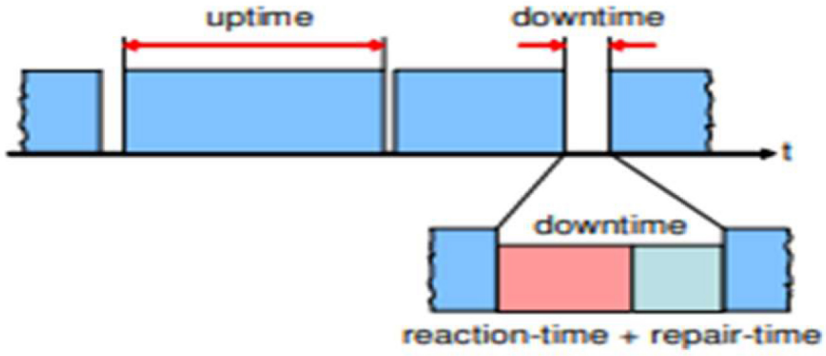
During the sample period, twenty eight failures were reported. Of those, So, based on the definition of failure ,twenty eight failures are used in the calculation that follows. The failed products were received, diagnosed, and repaired prior to the AFR calculation.

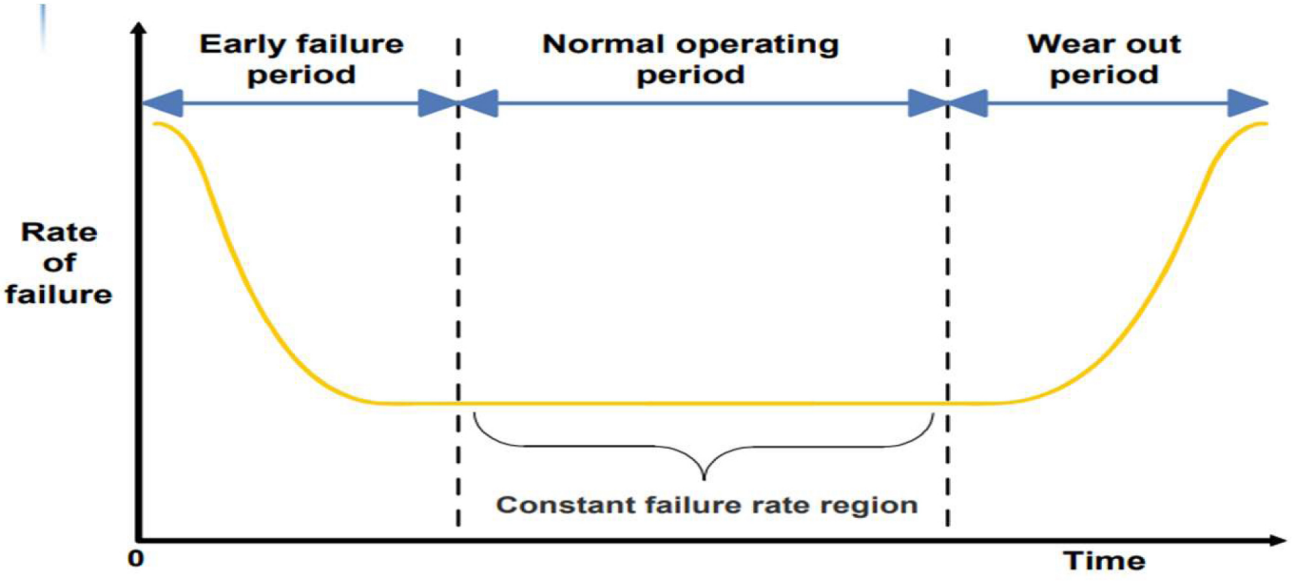
AFR is Calculated As

AFR	=	28 failures X (52 weeks per year /24 weeks in sample / 1000	
	=	28x2.17 / 1000	
	=	0.061	
MTBF	=	8760 / 0.061	hours
MTBF	=	143607	hours
MTBF	=	**16**	Years

MTTR	=	**4 hours**

Availability	=	MTBF / MTBF+MTTR
Availability	=	143607 / (143607+4)
Availability	=	143607 / 143611
Availability	=	0.999972147





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