AVO EMPOWERING BUSINESS

SWITCHING AVO ELECTRO POWER LIMITED

15KVA(3:3) => Model -TTI50015 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.

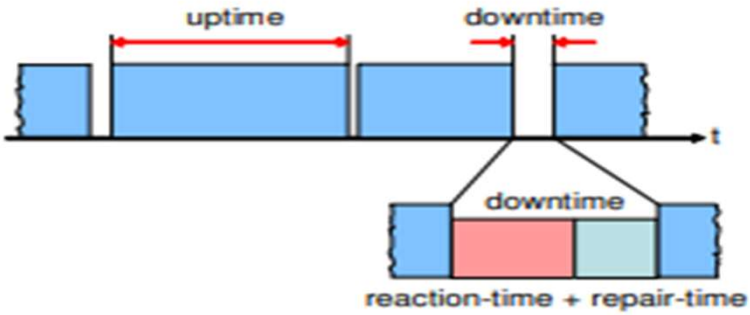
During the sample period, twenty five failures were reported. So, based on the definition of failure established 25 failures are used in the calculation that follows. The failed products were received, diagnosed, and repaired prior to the AFR calculation.

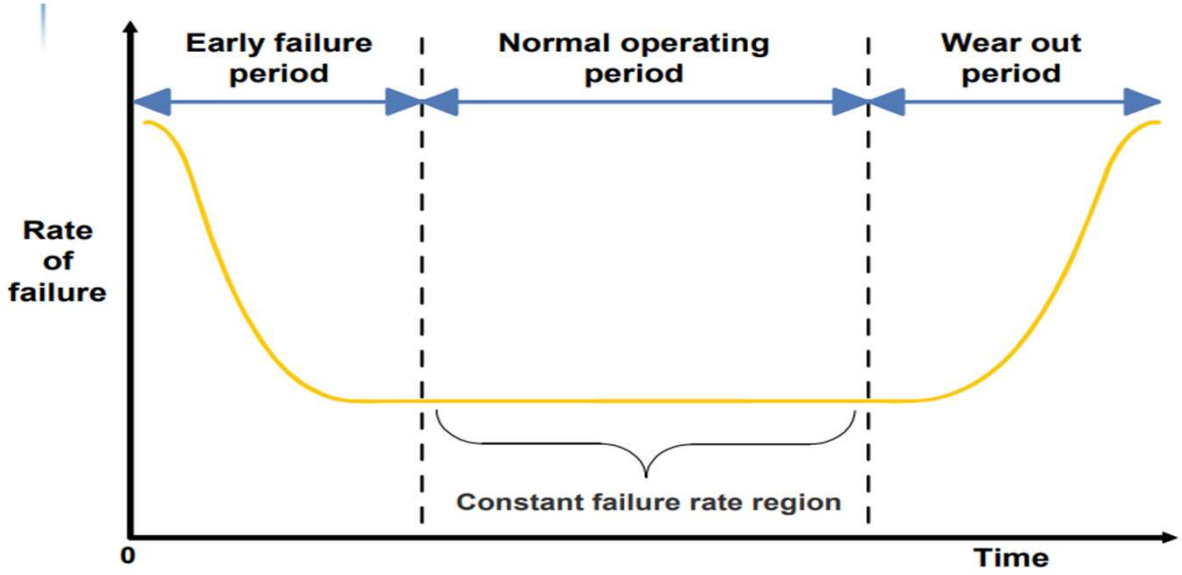
AFR is Calculated As

AFR	=	25 failures X (52 weeks per year /26 weeks in sample period) / 1000	
	=	25x2 / 1000	
	=	0.05	
MTBF	=	8760 / 0.05	hours
MTBF	=	175200	hours
MTBF	=	**20**	Years

MTTR	=	**4 hours**

Availability	=	MTBF / MTBF+MTTR
Availability	=	175200 / 175200+4
Availability	=	175200 / 175204
Availability	=	0.999977169





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