

Correction page 75:

**Table C.1: PFD formulas for specific configurations; (values for  $C_N$  and  $H_N$  from Table B.3)**

Voting	Formula for PFD	Explanation of contributions
1001	$\lambda_{DU} \cdot \tau/2$	DU failure of the single component.
1002	$\beta \cdot \lambda_{DU} \cdot \tau/2 + ((1 - \beta) \cdot \lambda_{DU} \cdot \tau)^2/3$	Common cause failure of both components. Independent DU failure of both components.
2002	$(2 - \beta) \cdot \lambda_{DU} \cdot \tau/2$	DU failure of at least one of the two components.
1003	$C_{1003} \cdot \beta \cdot \lambda_{DU} \cdot \tau/2 + ((1 - 1.5\beta) \cdot \lambda_{DU} \cdot \tau)^3/4$	Common cause failure of all three components. Independent DU failure of all three components; ( $H_3 = 1.5$ ).
2003	$C_{2003} \cdot \beta \cdot \lambda_{DU} \cdot \frac{\tau}{2} + ((1 - 1.5\beta) \cdot \lambda_{DU} \cdot \tau)^2$	Common cause failure of two or three components. Independent DU failure of (any) two of the three components (independent failure of all three components neglected); ( $H_3 = 1.5$ ).
3003	$(3 - 2.5\beta) \cdot \lambda_{DU} \cdot \tau/2$	A DU failure of at least one of the components; ( $C_3 = 2.5$ ).

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**Table C.3: Generic formulas for PFD presenting main contributions**

Voting	Formula for PFD	Explanation of contributions
100N; $N \geq 2$	$C_{100N} \cdot \beta \cdot \lambda_{DU} \cdot \tau/2 + ((1 - H_N \cdot \beta) \cdot \lambda_{DU} \cdot \tau)^N / (N + 1)$	Common cause failure of all $N$ components. Independent DU failure of all $N$ components.
MooN; $M < N,$ $M \geq 1, N \geq 2$	$C_{MooN} \cdot \beta \cdot \lambda_{DU} \cdot \tau/2 + \binom{N}{N - M + 1} ((1 - H_N \beta) \cdot \lambda_{DU} \cdot \tau)^{N - M + 1} / (N - M + 2)$	Common cause failure of $N - M + 1$ or more components. Independent DU failure of (any) $N - M + 1$ of the $N$ components, (independent failures of more components neglected).
NooN; $N \geq 2$	$(N - C_N \cdot \beta) \cdot \lambda_{DU} \cdot \tau/2$	DU failure of at least one of the $N$ components.