

**Table F.1 — Scoring process and quantification of measures against CCF**

No.	Measure against CCF	Score
1	separation/segregation	15
2	diversity	20
3	design/application/experience	
3.1	protection against over-voltage, over-pressure, over-current, over-temperature	15
3.2	components used are well-tried	5
4	assessment/analysis	5
5	training	5
6	environmental	
6.1	prevention of EMI or impurity of fluidic medium	25
6.2	other influences	10
	total	[max. achievable 100]
<b>Total score</b>		<b>Measures for avoiding CCF</b>
65 or better		Meets the requirements
Less than 65		Process failed ⇒ apply additional measures

The measures listed in [Table F.1](#) should be evaluated according to their effectiveness to avoid or control CCFs of redundant channels. Engineering judgement should support that typical causes for CCF are reduced as much as reasonably possible.

NOTE 1 The calculation of the CCF is usually performed on a subsystem level, as the measures for the individual subsystems differ (e.g. inputs, logic and outputs).

NOTE 2 Redundant channels in this annex means functional channel and testing channel in category 2 or redundant functional channels in categories 3 and 4.

NOTE 3 Typical CCF causes are over-voltage, over-pressure, over-current, over-temperature, humidity, shock, vibration, EMI, impurity of the pressure medium. The appropriate level of these causes is deduced from the expected application of the SRP/CS including foreseeable faults (e.g. failure of a cooling fan) and reasonably foreseeable misuse. The measures can vary for different categories (category 2 vs. 3 and 4) or input/logic/output parts of the SRP/CS.