

UK ABWR

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UK ABWR Generic Design Assessment

Generic PCSR Sub-chapter 15.6 : Panel and Raceway Layout



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15.6.1 Panel and Raceway Layout

Safety class 1 electrical panels, circuits and raceways of trays and conduits are designed to be physically and electrically separated from ones of the other safety classes (class 2/3) and non safety class.

Safety class 1 electrical panels are physically separated between safety divisions by walls or floors or ceilings or spaces or barriers. Safety class 1 electrical panels are also physically separated from panels of the other safety classes (class 2/3) and non safety class by walls or floors or ceilings or spaces or barriers.

Safety class 1 circuits are electrically separated between safety divisions by isolators. Safety class 1 circuits are also electrically separated from circuits of the other safety classes (class 2/3) and non safety class by isolators.

Safety class 1 raceways of trays and conduits are also physically separated between safety divisions by walls or floors or spaces or barriers. Safety class 1 electrical raceways are also physically separated from raceways of the other safety classes (class 2/3) and non safety class by walls or floors or ceilings or spaces or barriers.

Panels, circuits and raceways of the other safety classes (class 2 and class 3) are arranged with ones of non safety class.

15.6.2 References

[Ref-1] "Electrical Equipment and Raceway Separation Plan" (GA33-1001-0001-00001, Rev.0)