



# AMERICA'S CUP

## AC CLASS RULE

### INTERPRETATION NO 11

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#### Rule References:

- . 15.4 Power delivery control devices:
  - . (a) shall have the wiring for devices permitted in Rule 15.2 isolated and clearly identifiable from the wiring systems permitted in Rule 15.3. The wiring for devices described in Rules 15.2 and 15.3 shall be isolated and clearly identifiable from any other wiring system. Each of these systems shall have its own voltage supply which may be connected to a common battery provided each system is electronically isolated; and
  - . (b) shall be hard-wired and may use protocol-based communications (CAN, Ethernet, etc.)

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#### Question:

Provided the electrical and electronic isolation required by Rule 15.4(a) can be demonstrated to the satisfaction of the Measurement Committee (for example, through continuity testing, pin identification, connector disassembly, or other standard electrical and electronic testing methods), may the wiring for devices permitted in Rules 15.2 and 15.3 share a common pass-through connecting plug at bulkheads or other obstructions?

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#### Interpretation:

The first use of the word "wiring" in the second sentence of Rule 15.4 (a) is interpreted to include connections and similar components in the connection of one device to another.

Rule 15.4(a) requires wiring of devices permitted in 15.2 and 15.3 to be isolated and clearly identifiable from any other wiring systems.

On the basis of above and for inspection clarity it is not permitted to share the wiring of Rule 15.2 and 15.3 pin type connection plugs or similar components with any other wiring systems. END