

Meeting Report
ISO TC 188 JWG 1
Amsterdam, The Netherlands
November 13, 2011

Joint Technical Committee 188 – Working Group 1/ IEC Technical Committee 18, Electrical Propulsion System

ISO CD 16315, Electric Propulsion

1. This is a joint work group 1 meeting of TC 188 and IEC/TC 18.
2. This document is a committee draft and will be submitted to the ISO secretariat as a DIS after this meeting.
3. Continued discussion on the lower system voltage of 50 versus 60. This is a standards issue versus an engineering issue. The WG determined that this voltage would be identified as “system voltage of 50 volts.”
4. Added the definition of nominal voltage and insulation monitor system (IMS).
5. The document addresses an upper limit of 1000 VAC and 1500 VDC.
6. The propulsion system shall have a readily accessible emergency shutdown.
7. The standard will retain the EMC testing requirement.
8. Batteries shall be monitored at the smallest battery module.
9. The table for allowable amperages of conductors (50VDC/300VAC) was changed to the comparable IEC 60092-352 table.
10. Defined the characteristics for conductors: oil resistant, minimum 70 deg, fire retardant, stranded copper, appropriate voltage rating (minimum 125% nominal).
11. Will add a section for owners and technical manual.
12. Next action: DIS to ISO Secretariat by end of 2011.

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