

PROPOSAL

Status: 15.05.2008
ELSA-2-4

A Electric Safety Provisions

A1 Electric safety provisions during “in-use”

- 1.0 Scope
- 2.0 Definitions
- 3.0 Requirements concerning protection against electric shock of power system
 - 3.1 Scope
 - 3.2 Protection against direct contacts
 - 3.3 Protection against indirect contacts
 - 3.4 Insulation resistance
- 4.0 Requirements concerning protection against electric shock from charging system coupling system
 - 4.1 Scope
 - 4.2 Protection against direct contact
 - 4.3 Grounding device
 - 4.4 Insulation resistance
- 5.0 Requirements concerning traction battery
 - 5.1 Protection against over current
 - 5.2 Handling of hydrogen gas emissions
- 6.0 Requirements concerning functional safety
- 7.0 Alternative approach to protection measures against electric shock

Annex 1

Annex 2

Annex ??

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A2 Electric safety provisions during “post-crash”

1.0 Scope

2.0 Definitions

3.0 General requirements

3.1 Electrolyte spillage from propulsion batteries

3.2 Energy storage device retention

- Requirements concerning mounting position of traction battery pack and electrical circuit
- Requirements concerning strength of traction battery pack mount

3.3 Electrical safety

4.0 Test requirements

4.1 Frontal barrier crash

4.2 Rear moving barrier impact

4.3 Side moving deformable barrier impact

4.4 Post-impact test static rollover

5.0 Test conditions

Annex 1

Annex 2

Annex ???