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| 28.01.2022  | <p align="center"><b>Formular</b><br/>IATA – IMDG – ADR Conformity</p> |                     | <br><b>GS-YUASA Battery Germany GmbH</b> |
| Revision: 0 | Rev.-Datum: 03.11.2017   | Erstellt: J. Vieten | Geprüft/Freigabe: J. Vieten   |

**TRANSPORTATION OF YUASA BATTERIES BY AIR, SEA AND/OR LAND**  
**Series of VRLA BATTERIES: NP, NPC, NPH, NPL, NPW, RE, REC, REW, SWL, TEV, UXH, UXL, UXF, FXH, ENDURANCE ( EN / ENL / FT) , YTZ, GYZ**

Under IATA Dangerous Goods Regulations 63<sup>st</sup> Edition effective 1<sup>st</sup> January 2022 until 31<sup>st</sup> December 2022, accordance to IATA-Resolution 618 Annex “A” and in consultation with ICAO the above batteries are classified as:

**Valve Regulated Lead-Acid (VRLA) Battery**  
 Battery, wet, non-Spillable electric storage  
 Substance classification: UN 2800  
 “Class 8, Group III, no limit, special provision A48, A67, A164 and A183.”

These batteries are classified as non-spillable because they have been shown to meet the requirements of the above IATA-Regulations as stated in Packing Instruction 872 Chapter 5 on page 666ff (German version).  
 This is also according to special directive IMDG 238.2 (International Maritime Dangerous Goods Code). Furthermore this checking apply to IMDG chapter 3.3.1 reference 238.1 and 238.2.

**Transport Information**

| <b>Components</b>   |               |   |
|---------------------|---------------|---|
| <b>VRLA Battery</b> | Air Transport | Air Transport (IATA-DGR) <ul style="list-style-type: none"> <li>• UN No: 2800</li> <li>• Classification: Class 8</li> <li>• Proper Shipping Name: BATTERIES, WET, NON-SPILLABLE electric storage</li> <li>• <u>Special Provision A48</u>: Packing Test are not considered necessary</li> <li>• <u>Special Provision A67</u>: Yuasa’s VRLA batteries meet the requirements of Packing Instruction 872.</li> </ul> <p>The battery has been prepared for transport so as to prevent:</p> <ol style="list-style-type: none"> <li>a) A short-circuit of the battery’s terminals by packing in a strong and sturdy carton box; AND/OR</li> <li>b) The battery has been fitted with an insulating cover (made from ABS) which prevents contact with the terminals.</li> <li>c) Unintentional activation is thus prevented</li> </ol> <p>The words “NOT RESTRICTED” and the Special Provision (SP) number must be indicated on all shipping documents</p> |

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|  |                          |   |
|--|--------------------------|---|
|  |                          | <ul style="list-style-type: none"> <li>• <u>Special Provision A164</u>: The battery has been prepared for transport so as prevent: <ul style="list-style-type: none"> <li>a) Short-circuit of the battery's terminals by packing in a strong and sturdy carton box; AND/OR</li> <li>b) The battery has been fitted with cover (made from ABS) which prevents contact with the terminals</li> <li>c) Unintentional activation is thus prevented</li> </ul> </li> </ul> |
|  | Land Transport           | Land Transport (ADR / RID) <ul style="list-style-type: none"> <li>• UN No: UN2800</li> <li>• Classification ADR / RID: Class 8</li> <li>• Proper Shipping Name: BATTERIES, WET, NON-SPILLABLE electric storage</li> <li>• Packing Group ADR: not assigned</li> <li>• Tunnel code: E</li> <li>• ADR / RID: New and spent (used) batteries are exempt from all ADR / RID (special provision 598)</li> </ul>   |
|  | Sea Transport            | Sea transport (IMDG Code) <ul style="list-style-type: none"> <li>• UN No: UN2800</li> <li>• Classification: class 8</li> <li>• Proper Shipping Name: BATTERIES, WET, NON-SPILLABLE electric storage</li> <li>• EmS: F-A, S-B</li> </ul> Non-spillable batteries meet the requirements of Special Provision 238; they are therefore exempt from all IMDG codes and are not regulated for sea transport.  |
|  | All methods of transport | <p><b>Do not place VRLA batteries inside sealed enclosures.</b></p> VRLA Batteries emit hydrogen gas which is highly flammable and will form explosive mixtures in air from approx. 4% to 76%. This can be ignited by a spark at any voltage, naked flames or other sources of ignition.  |

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