



## ROAR LITHIUM POLYMER BATTERY APPROVAL FORM

Battery packs using Lithium Polymer type cells may be used in ROAR racing classes after approval by the ROAR Technical Director.

The battery manufacturer/supplier must complete sections of this application form identifying the battery name, type, part number, manufacturer of final product, cell manufacturer, battery pack capacity, and battery pack voltage.

- The battery manufacturer/supplier must submit four identical battery packs to the ROAR Lithium Polymer battery test laboratory along with the original of the completed form. Three of the packs will be subjected to destructive testing and the fourth will be held by ROAR in the battery archive.
- The address of the test laboratory is:  
**ROAR Li-Poly Battery Test Laboratory**  
**Attention: Ling-Kang Tong**  
**38850 Altura Street**  
**Freemont, CA 94536**
- The battery manufacturer must submit a Certification of Compliance of the cells used in the battery pack as it applies to United Nations Recommendations on the Transport of Dangerous Goods, Manual of Test and Criteria (ST/SG/AC.10.11/Rev.4), if one is available from the cell manufacturer. The certification should at a minimum identify that the cells comply with UN T1 through T8 of the previously stated document. The Certification of Compliance shall be included with the battery packs that are shipped to the ROAR Li-Poly battery test laboratory. This requirement may be omitted if a Certificate of Compliance is not available.
- A check in the amount of \$250.00 shall be included in the package containing the battery packs that go to the ROAR Lithium Polymer battery test laboratory. These funds pay for the cost of performing the tests required for battery pack approval. The check should be written to: Ling-Kang Tong.
- The ROAR Lithium Polymer battery test laboratory will inform the ROAR Technical Director of the results of each approval application. The ROAR Technical Director will inform the ROAR Administrator of the passing battery packs for inclusion in the Approved Battery List on the ROAR website. The ROAR Technical Director will inform the manufacturers of failed battery packs and establish a plan for gaining approval. This plan, will at a minimum, require additional testing to show compliance to the ROAR acceptance tests.
- ROAR has adopted two battery pack approval cycles in each calendar year. Battery packs must be submitted to the laboratory prior to either April 1<sup>st</sup> or Oct 1<sup>st</sup> to be included in an approval cycle. The results of each approval cycle will be announced by ROAR on the Approved Battery List of the ROAR Website on either May 1<sup>st</sup> or Nov 1<sup>st</sup>.
- See section 8.3 of the ROAR Rulebook for battery requirements and additional information.
- ROAR also requires each battery manufacturer/supplier must be an ROAR Industry Affiliate prior the approval being posted on the ROAR website.

[Link to ROAR Website Industry Affiliation paperwork.](#)



### For Manufacturer/Supplier Use

** Battery Pack Manufacturer/Supplier:		
** Address		
** City	**State	**ZIP
** Phone	**Email	
** Contact Person Name & Number if different		
** Battery Pack Name	** Part Number	
** Battery Type	** Capacity	** Pack Voltage
** Cell Manufacturer		
** <i>Required Data (forms will be returned if incomplete)</i>		

### For ROAR Use Only

Did the manufacturer/supplier provide four (4) battery packs?	Yes _____	No _____
Is the manufacturer/supplier section above completely filled out?	Yes _____	No _____
Did the manufacturer/supplier provide a Certificate of Compliance?	Yes _____	No _____
Did the supplied pack(s) pass the Impact/Drop Test?	Yes _____	No _____
Did the supplied pack(s) pass the Overcharge Test? <i>(not performed if Certificate of Compliance provided)</i>	Yes _____	No _____
Did the supplied pack(s) pass the External Short Test?	Yes _____	No _____
<b>DISPOSITION OF TESTING THE SUPPLIED PACKS:</b>		
PASS _____ FAIL _____		

Comments:

Signed (test technician): \_\_\_\_\_ Date: \_\_\_\_\_

Signed (ROAR Technical Director): \_\_\_\_\_ Date: \_\_\_\_\_