

**Automation & Control Solutions**  
Honeywell International  
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Golden Valley, MN 55422-3992

March 14, 2016

Dear Customer,

At Honeywell we are responsible for the safe and compliant shipments of our products. One of our highest priorities is the safety and security of our employees, our customers, and our supply chain. Honeywell would like to advise our customers of upcoming changes in transportation requirements for bulk shipments of lithium batteries worldwide which may affect the packaging and transportation requirements for your battery shipments, the way you maintain inventory of the ion batteries received from Honeywell, and how you ship the batteries to your customers.

The International Civil Aviation Organization (ICAO) has issued regulatory changes for **air shipments of bulk lithium batteries only**. "Bulk" refers to one or more lithium batteries shipped by themselves. This change does not impact batteries packed with or contained in equipment. **Compliance with these lithium battery regulations is mandatory effective April 1, 2016.**

At this time Honeywell is taking a proactive approach to work with our customers, partners, and suppliers to mitigate any impact from the changes. Therefore we are putting the following processes in place:

- **Air shipments of lithium ion batteries in bulk will be limited to a "State of Charge" (SOC) for cells and batteries of 30% maximum.**
  - Any lithium ion batteries exceeding SOC of 30% rated design capacity will only be limited to road or ocean only. This may impact shipment lead time.
  - Honeywell is working with its vendors to confirm SOC reduction on all batteries, but there will be a transition period after 1 April during which time there will be mixed SOC inventories which may limit available stock for air shipment. If stock is not available at the reduced SOC, then shipment will be re-routed to ground or ocean depending on origin/destination.
  - All packages of bulk lithium ion batteries at Honeywell will be labeled with either a red or green SOC internal-use label to visually manage inventories as we move through this transition period. This visual labeling will also allow our facilities to comply with mode restrictions.
- **Removal of Small Quantity Exception:**
  - Many shippers have taken advantage of the small quantity exception which allowed for 2 batteries/8 cells or less per package. On 1 April that exception will be eliminated which will move air shipments of lithium batteries in bulk to fully regulated Class 9 dangerous goods shipments
  - Effective 1 April, all lithium batteries and cells in bulk (by themselves) will be shipped as Class 9 fully regulated and will require:
    - Trained/certified personnel to handle shipping/receiving Class 9 lithium ion/metal batteries – which we have in place at all locations.
    - Placement of Class 9 label on shipping packages and limitation of net battery weight per package to Cargo Aircraft Only limits
    - Shipper's Declaration of Dangerous Goods
  - It is likely that air transportation costs for fully regulated battery shipments will increase.

We appreciate your patience and understanding with this mandatory change by the global regulatory agency. Many battery manufacturers have confirmed their intent to reduce all lithium ion batteries shipped in bulk to 30% or less SOC to minimize transportation restrictions. This will continue to have supply chain ramifications for the near future.

**We encourage all customers and users to ensure the battery is fully charged before first use.**

If you have any questions or concerns, please contact your account manager.

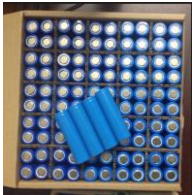
Thank you for your support,

## Appendix and Additional Resources

### 1. Bulk Definition per DG Regulations = Batteries by themselves only (Not packed with or contained in equipment)

*“Bulk” = 1 or more lithium batteries shipped by themselves*

Examples:

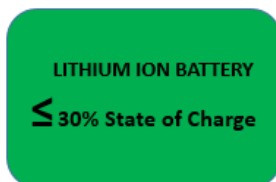
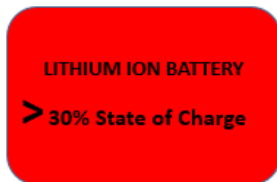


### 2. State of Charge Labeling for internal Honeywell use only\*

Red → Ocean/Road Transportation Only

Green → May be possible to ship via air

\* These markings are intended for Honeywell-use only and represent the approximate State of Charge at time of shipment from Honeywell. If a customer or external party decides to change the State of Charge using equipment, then these markings would no longer be accurate and should be removed. Honeywell is not responsible for any changes to lithium ion batteries in bulk after time of shipment from Honeywell site.



### 3. Additional Information on 1 April 2016 Regulatory Change

IATA has summary of all changes at its website [here](#)

### 4. Small Parcel Air Carrier Shipping Guidance for Lithium Batteries in Bulk

Carrier account DG pre-approval may be required. Country restrictions may apply.

- [FedEx Express Overview](#) - 2016
- [DHL Express Overview](#) - 2016
- [UPS Express Overview](#) – 2016
- [TNT Express Overview](#) - 2016