AGORIA
Brussels, June 20, 2013
1. INVENTORY OF INCIDENTS
2. DEMAND FOR INFORMATION
3. RESPONSES
4. TESTS
5. CONCLUSIONS
1. INCIDENTS in EU

- Hamburg, May 2013
- Ellwangen, May 2nd 2013
- GRS 2012 & 2013
- Vienna (A), April 2013

SAFETY

- Production/Assembly
- End of Life Transport
- End of Life Storage
- Absence of SC Protection (NI)
- Mishandling (UK)
- USE
- Transport Air

Amsterdam, Nov 2011
Dubai / UPS
Lithium-Ion Batteries

Laptop Batteries

- Shipment not UN Compliant
- New applications by Non-Professionals
- High Concentration of Waste Batteries collected

Problem identified
Solution proposed by Industry
Market could develop

Problem not always identified
Solutions are pending

Market could be impacted

1. INCIDENTS in EU
2. DEMAND FOR INFORMATION
2. DEMAND FOR INFORMATION

1. From Actors in the supply chain
2. From Competent Authorities
3. New Comers: e.g. Insurance C°.
2. WHAT TYPE OF INFORMATION

What Type of Information?

1. From Actors in the supply chain
2. From Competent Authorities
3. New Comers: e.g. Insurance C°.
3. RECHARGE’s RESPONSE

3.1. GENERAL SAFETY INFORMATION on Lithium-Ion Batteries (PPT BM 09b, 2013-02)

3.2. BATTERY INFORMATION FACTSHEET (BIF)
3. RECHARGE’s RESPONSES

3.3. TRANSPORT REGULATION (Multimedia)

3.4. INTERVENTION MANUAL
Lithium ion cells and batteries tested by Fire Protection Research Foundation

- Cobalt oxide
- 19,200 cells total
- 4,800 cells/pallet

- Cobalt oxide
- 15,552 cells total
- 27 boxes/pallet

- 200 power packs total
- 2,000 cells total
- 25 boxes/pallet
Phase IIB report published May 2013 contains results of tests conducted on lithium ion polymer and 18650 cells and power tool battery packs.

Report and videos available:

http://www.nfpa.org/itemDetail.asp?categoryId=2925&itemID=63098

http://www.youtube.com/playlist?list=PLIEPQwbNZGefa2b31kmsdBWwvwlXXi6RA
5. CONCLUSIONS

1. There is a demand for Safety Information on the use, transport handling and storage of Lithium-Ion batteries.

2. There is a need to integrate Primary Lithium Batteries in the communication

3. Several Communication tools are developed by RECHARGE and are open for review

4. A global approach to prepare communication tools is necessary. RECHARGE will lead action on a global basis
1. INVENTORY of INITIATIVES related to Lithium Batteries Safety

2. DEFINE CRITICAL ISSUES TO BE TACKLED
   
   2.1. Fire Testing >>> FPRF, Luxemburg, EUCOBAT,…
   
   2.2. Cushioning Materials
   
   2.3. Emergency Response Guidance: E-mobility, Storage,…

3. SELECT and COORDINATE TARGETED ACTIONS