

# Power Tools

**JA2014 Launch Event**

*1<sup>st</sup> July 2015*

*Brussels, Belgium*

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*Activity Coordinator: Berend Kamerling*

# 12 Participants

- Bulgaria
- Croatia
- Czech Republic
- Finland
- Germany
- Latvia
- Luxembourg
- Malta
- Poland
- Portugal
- Slovakia
- Slovenia

# Areas of Activities

## **1. Market surveillance activity**

The activity will focus on Power Tools with testing sample products, given results, and making appropriate conclusions.

## **2. Priority setting activity**

There will also be a priority - setting exercise identifying products for future Joint Actions following the procedure established under previous Child care articles and Toys activities (JA2011, JA2012 and JA2013)

## Power Tools (rough)

- (impact) Drills
- Saws (circular, reciprocating, chain, band, bench, mitre, combined mitre - bench),
- Planers,
- Sanders,
- Grinders,
- Strapping tools and jointers,
- Shears, nibblers and hammers,
- Routers, tackers and trimmers.
- Screw drivers and impact wrenches,

# Main risks



- The main hazards associated with power tools include the following:
  - Cuts, abrasions, punctures;
  - Electric shock, electrocution, burns;
  - Heat, sparks (fire);
  - Dust/flying particles (eyes);
  - Entrapment of clothing, etc.;
  - Sprains and strains (wrist, hand, arm, shoulder);
  - Noise (hearing);
  - Vibration (“white fingers”).

## RAPEX notifications

- There have been a significant number of RAPEX notifications in past 5 years e.g. 9 saws, 9 angle grinders, 5 hard bladed cutter accessories for grass trimmers, for powered hand tools, particularly those with cutting blades.

# Applied definition ‘Power Tools’

Electric powered

handheld and/or transportable tools available  
in the ‘do it yourself (DIY)’ market,

including different accessories (e.g. for cutting  
if appropriate for that specific type of tool).

# Power Tools



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## Relevant Directive/standards

- Machinery Directive 2006/42/EC (MD)  
with their harmonized standards.

Compliance with those standards provide a presumption of conformity with the specified essential requirements of the machinery directive

Risk-protection to electricity supply is included in MD annex1 but follow the **LVD** requirements

## Relevant Directive/standards

- Directive **2004/108/EC** relating to the electromagnetic compatibility with their harmonized standards.

Compliance with those standards provide a presumption of conformity with the specified essential requirements of the EMC directive (e.g.

**EN 50370-1: 2005** Product family standard for machine tools - Emission and **EN 50370-2: 2005** Product family standard for machine tools - Immunity).

# Relevant harmonized standards to the Machinery directive for Power Tools

- **EN 60745** part 1 and parts 2) which covers both mains and battery powered hand held electric tools.
- **EN 61029** part 1 and parts 2 Transportable motor-operated electric tools
- **EN 62841** part 1, parts 2 and parts 3 Electric motor operated hand held tools, transportable tools & lawn and garden machinery (not harm.) and also EN ISO standards (EN ISO 11806 part 1 and 2).

## Relevant Commission guidance

Commission Decision **2012/32/EU** requiring Member States to prohibit the placing on the market of flail-type cutting attachments for portable hand-held brush cutters- trimmers



# Priority setting, sampling and testing

- The activity will set up a priority processing with a quick ‘first choice’ within power tools
- An estimated 60 samples will be sent for testing
- Cooperation with the ADCO Machinery group is foreseen; the MD does not distinguish between consumer- and professional use of machinery



# Next Step



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Two days Kick-off meeting - 17 and 18 September

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