

DEVELOPING AN INVENTORY OF ULAB

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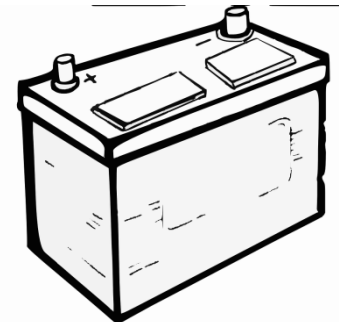


BASEL CONVENTION

Why is an inventory useful

Key output: information on the amount of ULAB generated

- Strategy for environmentally sound management (ESM):
 - Policies
 - Collection system
 - Planning and financing of disposal/recycling facilities
- Effectiveness of control system
 - Transboundary movements of ULAB controlled according to Basel Convention (BC)
- Facilitate reporting
 - Data provided as part of national report under the BC



Practical guidance on the inventory of ULAB

- ❑ Simple methodology for developing ULAB inventory
- ❑ Appropriate for early stages of developing a system for the ESM of ULAB

- ❑ Guidance aims to facilitate national reporting under BC:
 - Information to be collected on:
 - Generation of ULAB
 - Waste disposal and recovery (recycling) facilities
 - Transboundary movements of ULAB

- ❑ Request by BC Conference of the Parties for pilot-testing of the guidance and comments from Parties

Methodology

Classification of ULAB:

Consistent classification useful for data collection, analysis and reporting.

Basel Convention

Annex I:

Y31: lead; lead compounds

Y34: acidic solutions or acids in solid form

Annex VIII:

A1160: waste lead-acid batteries, whole or crushed

A4090: waste acidic or basic solutions, other than those specified in the corresponding entry on list B (note the related entry on list B B2120)

Methodology

Calculating estimate of ULAB generation:

Relies on readily available statistics and data on a few key parameters

Step 1: Collect data on the **amount of LAB in use**

Step 2: Estimate amount of ULAB generated based on **lifespan** and **weight** of LAB

Amount of ULAB generated per year = $\frac{\text{Amount of LAB in use}}{\text{Life span}}$

Practical guidance step-by-step calculation and examples

Methodology

Data requirements:

- Identify LAB applications in your country (table 2 of Practical guidance)
- Identify possible sources of information and information to be collected (table 2)
- For each application:
 - number of LAB per system (table 3)
E.g. 1 LAB per vehicle; 10 for a mobile phone station
 - Weight of each LAB (table 3)
 - Lifespan (varies according to conditions of use)

Practical guidance provides:

-Example questionnaire for collecting data

-Model database for recording information

Collecting data for national reporting

Information to be reported includes:

- Country contacts (focal point transmits national report and competent authority authorizes imports and exports of hazardous wastes)
- Legislation to implement BC
- National definitions of waste and hazardous wastes
- Restrictions on transboundary movements of hazardous and other wastes
- Use of notification and movement documents
- Options for final disposal and recovery of hazardous and other wastes
- Import of hazardous and other wastes
- Export of hazardous and other wastes
- Amount of hazardous and other wastes generated
- Disposal which did not proceed as intended
- Accidents during transboundary movements
- Cases of illegal traffic

<http://www.basel.int/Countries/NationalReporting/tabid/2314/Default.aspx>

Assessing results and conclusions

- ❑ Make inventory more complete:
 - Reliability of collected data
 - Ways for improving data quality (e.g. field survey instead of desk study)
 - Mechanism for regular updating of the inventory

- ❑ Assessing accuracy:
 - E.g. compare amount generated with amount exported and/or disposed

Next steps: pilot testing

- Email to interested countries
- Introductory webinar with technical expert
- Follow-up webinar for support

- Feedback and comments on the Practical guidance to be provided by 30 January 2018

Acknowledgements

Draft practical manual for the development of inventories of used lead-acid batteries

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THANK YOU

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