Annex A – Indications on hazardous substances and hazards

A General data

A.1 Applicant	
A.2 Location (street, house no)	
A.3 Location (country, post code, city)	
A.4 Technical contact person	
A.5 Phone no	
A.6 E-Mail address	
A.7 Order number at VdS (if available)	
A.8 Test sample/product designation	

B Hazardous substances and hazards

B.1 Existing hazardous substances	
B.2 Existing hazards	

C Required documentation

☐ Security data sheets

Additionally for lithium-ion batteries:

☐ Transport safety certificate acc. to UN38.3 Part III by accredited laboratory

☐ Indications on ingredients of the cells, the types, etc. (for fire brigade)

D Test sample with lithium-ion batteries

☐ Test samples contain lithium-ion batteries

For the testing of test samples or assemblies using batteries with Li-ion technology, further requirements and prerequisites may be relevant which are not the subject of the general framework and prerequisites addressed here and which are provided by the relevant specialist laboratory.

D.1 Battery – type designation	
D.2 Nominal voltage	
D.3 Energy content (Wh)	
D.4 Capacity (Ah)	
D.5 Primary cell - type	
D.6 Certificate number	
D.7 Issued by	

E Information on test sample/battery

Monitoring option during product test

☐ Temperature, current and voltage of the battery may continuously be monitored

☐ The monitoring can be selected automatically (e.g. relays outputs available for limit values)

☐ Devices for monitoring are provided and documented (operation instruction)

Storage of the test sample

☐ The test sample may be stored outside the laboratory rooms (e.g. in a container on the VdS premises)

☐ The battery may be taken off the test sample and may be stored outside the laboratory rooms (e.g. in a container on the VdS premises)

☐ The test sample with battery shall be stored within the laboratory rooms; additional costs arising by the storage due to necessary security measures are borne.

Cell balancing

☐ The balancing of the primary cells of the battery is done passively.

Charging equipment and state of charge

☐ The charging equipment of the test sample is suited for the used battery.

☐ The battery is only kept in the safe range of 20 to 80 % of the battery capacity.

State of test sample and battery

☐ The test sample and its battery are as new.

☐ The test sample and its battery were properly stored at all times.

☐ The test sample and its battery were not conditioned in advance.

☐ The battery was never deep discharged.

Current limitation

☐ The test sample limits the maximum battery discharge current in the event of a fault (e.g. fuse).

Type of fuse protection/key figures _____

The information provided above is hereby confirmed.

Place, date: _____

Signature of applicant or of
authorised representative: _____