Norsk Elektroteknisk Komité (NEK)

Trond Salater og Håkon Nergård



Batterier som case

Tre batterityper relevante for DPP

Jf. Guidance Document: Digital Batteries Passport – data points by category, Version 3.2 – 19 October 2026

1. EV-batterier	2. LMT-batterier	3. Industribatterier
		
Elbiler	Elsykler, elsparkesykler m.m.	> 2 kWh

Kategoriene i veiledningen: EV, LMT og industribatterier over 2 kWh.

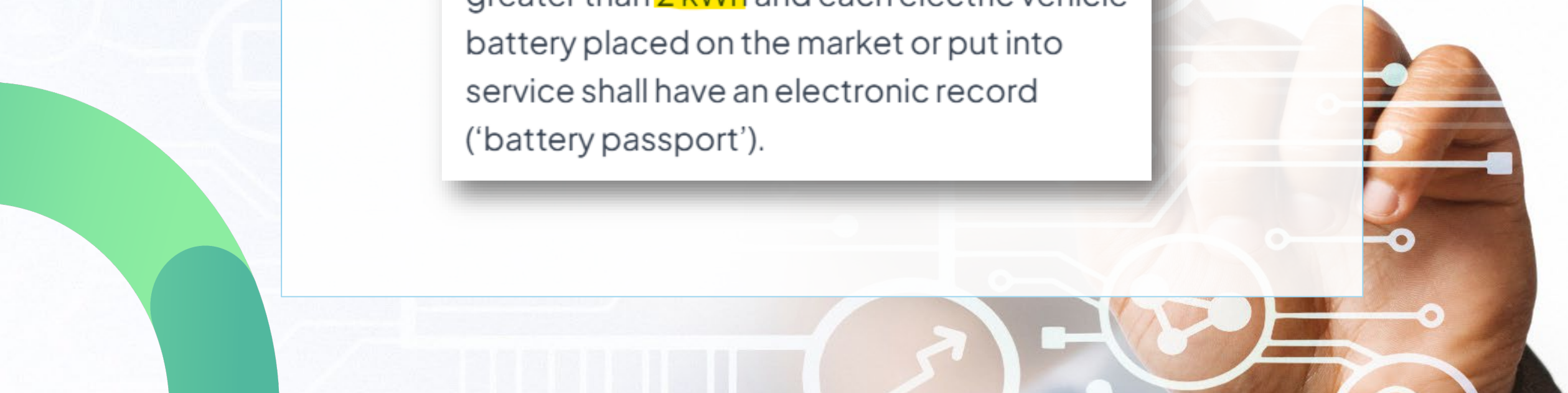




KI-generert bilde

Article 77(1), Regulation (EU) 2023/1542

From 18 February 2027 each LMT battery, each industrial battery with a capacity greater than 2 kWh and each electric vehicle battery placed on the market or put into service shall have an electronic record ('battery passport').



European Commission

Guidance Document: Digital Batteries Passport – data points by category

Version 3.2 – 19 October 2026



Item	Data point name (clarifications stated in square brackets [])	As defined in	Data point source	Type of information	Electric vehicles (EV)	Light means of transport (LMT)	Industrial
1.	Unique identifier [unique product identifier]	BR Art 3(1)(66)	BR Article 77 (3)	Public	Mandatory	Mandatory	Mandatory
2.	Identity of who is registering and/or is responsible for the battery passport [name]	BR Art 77(4)	BR Article 77 (3)	Public	Mandatory	Mandatory	Mandatory
3.	Manufacturer name, registered trade name or registered trademark [at least one of]	BR Art 3(1)(33) (manufacturer)	BR Annex VI A (1)	Public	Mandatory	Mandatory	Mandatory
4.	Manufacturer single contact postal address	N/A	BR Annex VI A (1)	Public	Mandatory	Mandatory	Mandatory
5.	If available, manufacturer web and email address [both optional]	N/A	BR Annex VI A (1)	Public	Optional, to be filled if such data is available	Optional, to be filled if such data is available	Optional, to be filled if such data is available
6.	Battery category [3-code list]	BR Art 3(1)(11), (13), and (14)	BR Annex VI A (2)	Public	Mandatory	Mandatory	Mandatory
7.	Model identification and batch or serial number, or product number or another element allowing their identification [at least one of]	N/A	BR Annex VI A (2)	Public	Mandatory	Mandatory	Mandatory
8.	The place of manufacture (geographical location of a battery manufacturing plant)	N/A	BR Annex VI A (3)	Public	Mandatory	Mandatory	Mandatory

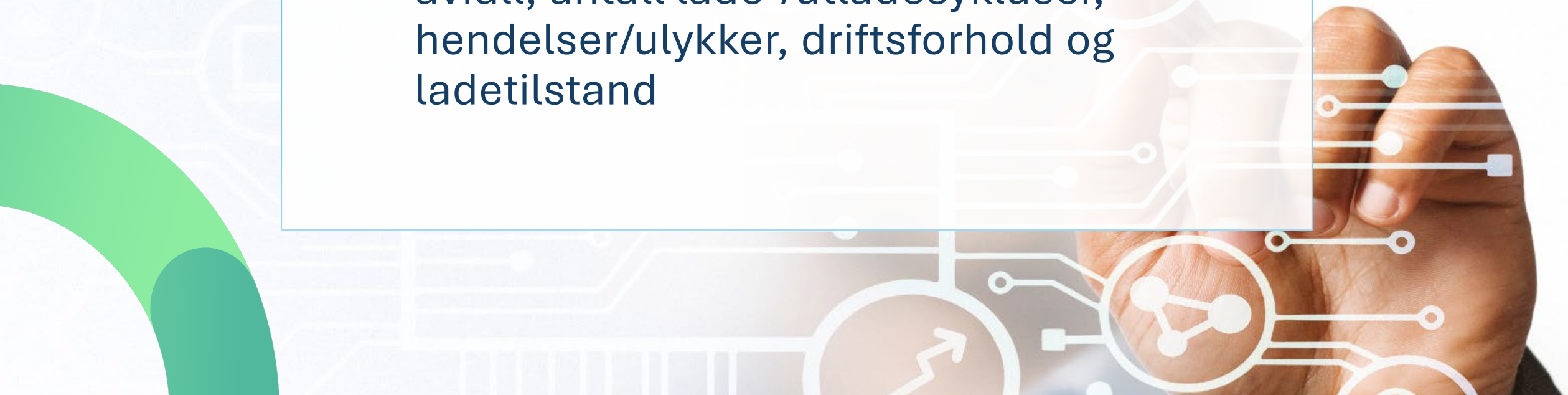
- Batteripasset skal gi et omfattende og konkret dataset/-punkter – totalt 71 stk.

  …unik produktidentifikator, produsent, produksjonssted, produksjonsdato, vekt, kapasitet, kjemi, farlige stoffer og kritiske råmaterialer



- Batteripasset skal være mer enn et statisk produktdatablad.

  originalt, gjenbrukt, remanufactured eller avfall, antall lade-/utladesykluser, hendelser/ulykker, driftsforhold og ladetilstand

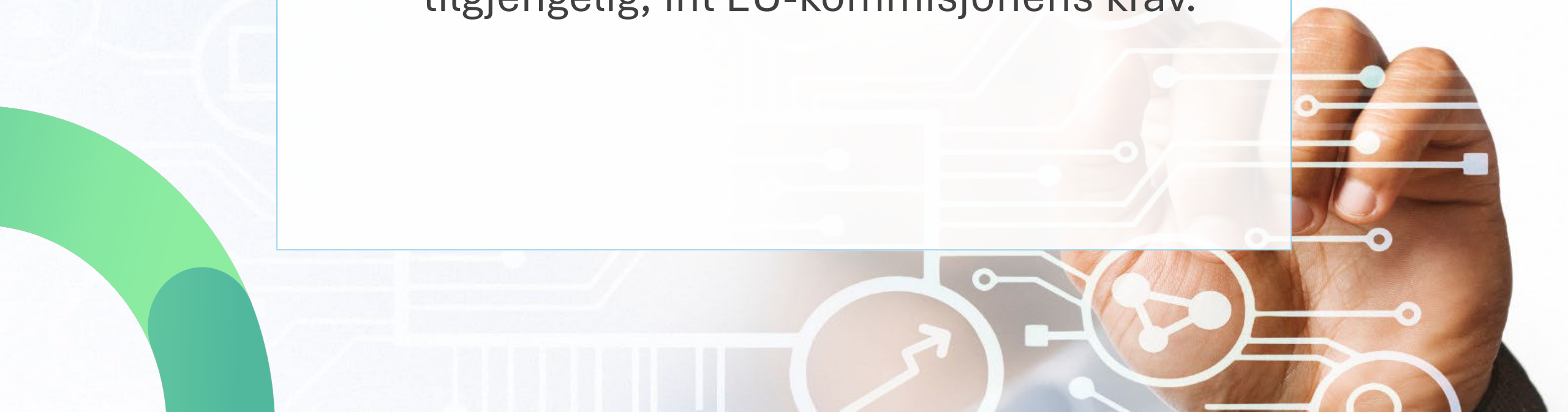


- Skiller mellom offentlig informasjon og tilgangsbegrenset informasjon

  materialesammensetning,reservedelsinformasjon , demonteringsinformasjon og sikkerhetstiltak er eksempelvis begrenset til aktører med legitim interesse og/eller myndigheter og kontrollorganer



DPP skal gjøre produktinformasjon sporbar og tilgjengelig, iht EU-kommisjonens krav.



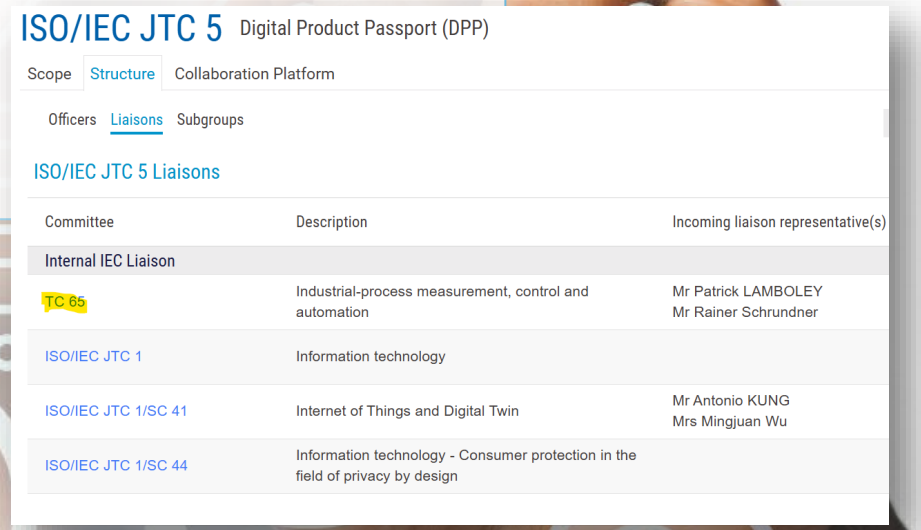
DPP-standardene gir felles spilleregler for produktpassene

Hvordan får vi det til i stor skala?



... Med nok en standard:

AAS (Asset Administration Shell, IEC 63278) gir en felles struktur for produktets digitale representasjon



ISO/IEC JTC 5 Digital Product Passport (DPP)

Scope | Structure | Collaboration Platform

Officers | Liaisons | Subgroups

ISO/IEC JTC 5 Liaisons

Committee	Description	Incoming liaison representative(s)
Internal IEC Liaison		
TC 65	Industrial-process measurement, control and automation	Mr Patrick LAMBOLEY Mr Rainer Schrundner
ISO/IEC JTC 1	Information technology	
ISO/IEC JTC 1/SC 41	Internet of Things and Digital Twin	Mr Antonio KUNG Mrs Mingjuan Wu
ISO/IEC JTC 1/SC 44	Information technology - Consumer protection in the field of privacy by design	


ISO 668

Asset Administration Shell (AAS)

IEC 63278



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