

Hvordan hænger miljøkrav til elektriske produkter og standardisering sammen?



Relevante lovkrav for elektriske produkter

CE mærknings direktiver og forordninger

- Maskindirektivet 2006/42/EC
- Lavspændings direktivet 2014/35/EU
- Elektromagnetisk kompatibilitet 2014/30/EU
- Radio udstyrs direktivet 2014/53/EU
- Byggevarerforordningen (EU)305/2011
- Anvendelse af visse farlige stoffer RoHS 2011/65/EU

Andre produktkrav

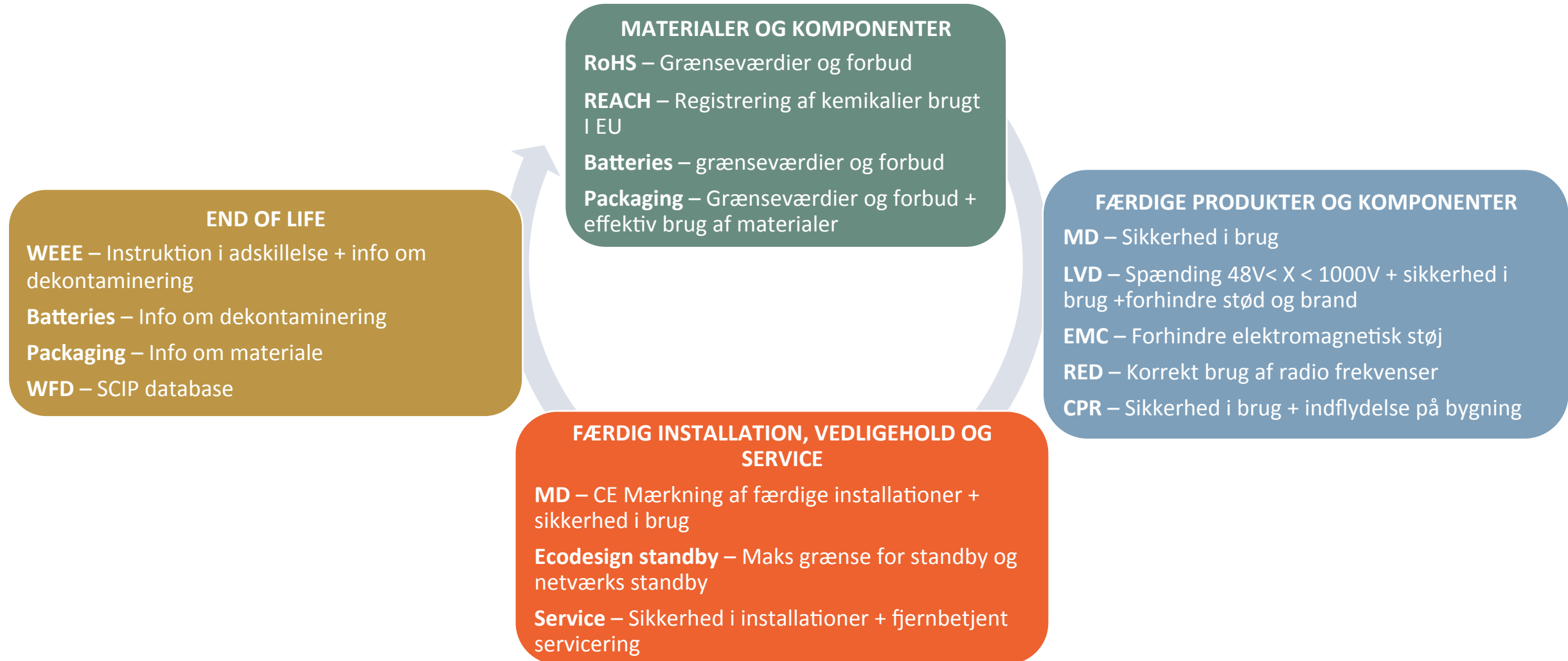
- Ecodesign standby og netværks standby 2023/826/EU
- Registrering af kemikalier REACH 1907/2006
- Batteri direktivet 2006/42/EC
- Emballage direktivet 94/62/EC
- Affald fra elektrisk og elektronisk udstyr WEEE 2012/19/EU
- Affaldsramme direktivet 2008/98/EC

Andre regler

- Service direktivet 2006/123/EC



Forskellige krav i løbet af et produkts levetid



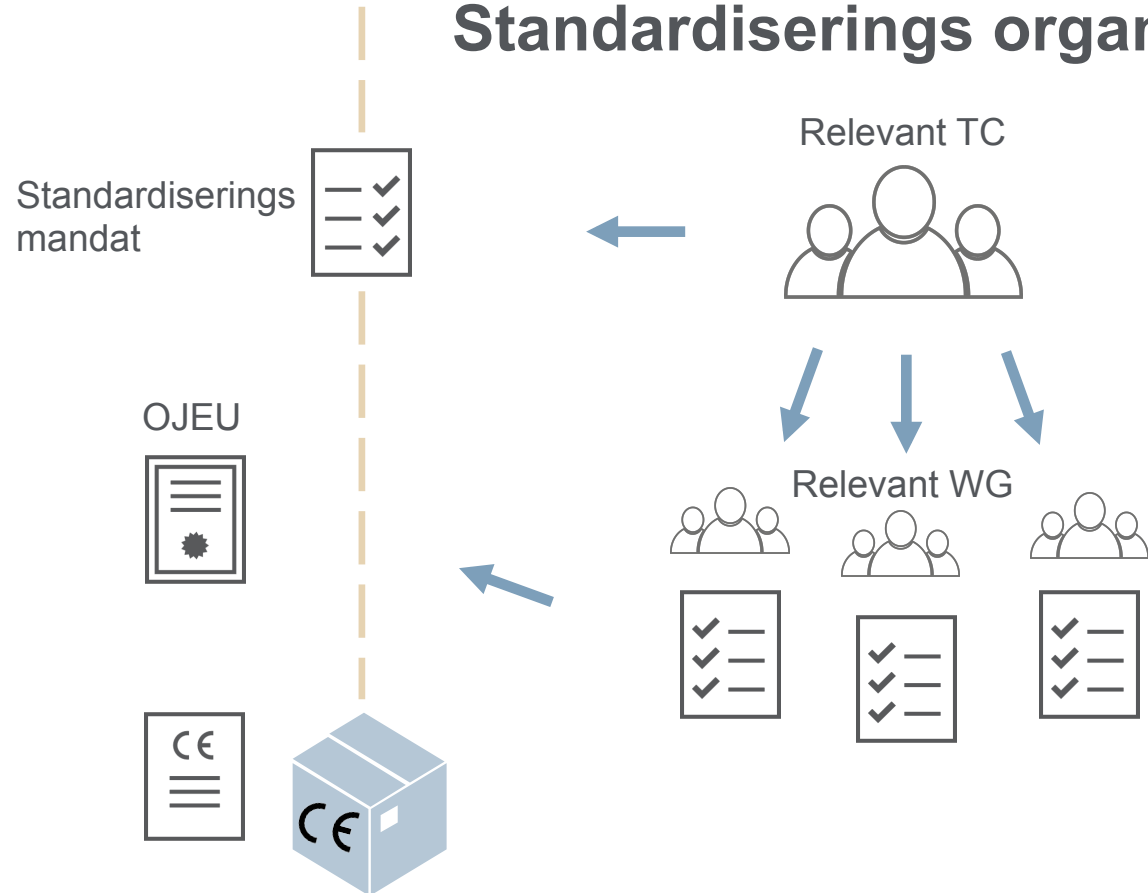
Hvordan arbejder EU lovgivning og standarder sammen?

CE mærkning generelt

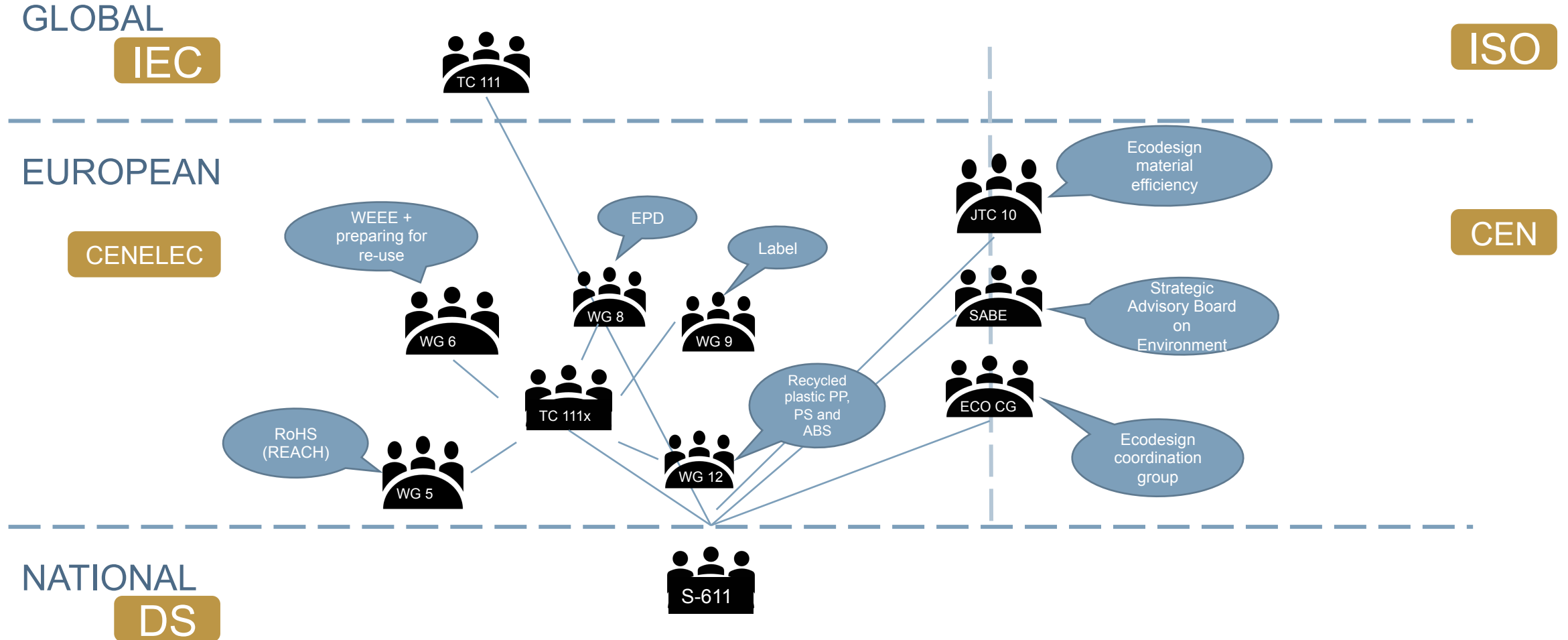
EU Kommissionen



Standardiserings organisation



S-611, CLC TC 111x



Situation: An overview of European Standards for WEEE

- Situation
- Complications
- Message

Collection and Transport of WEEE



Treatment of WEEE

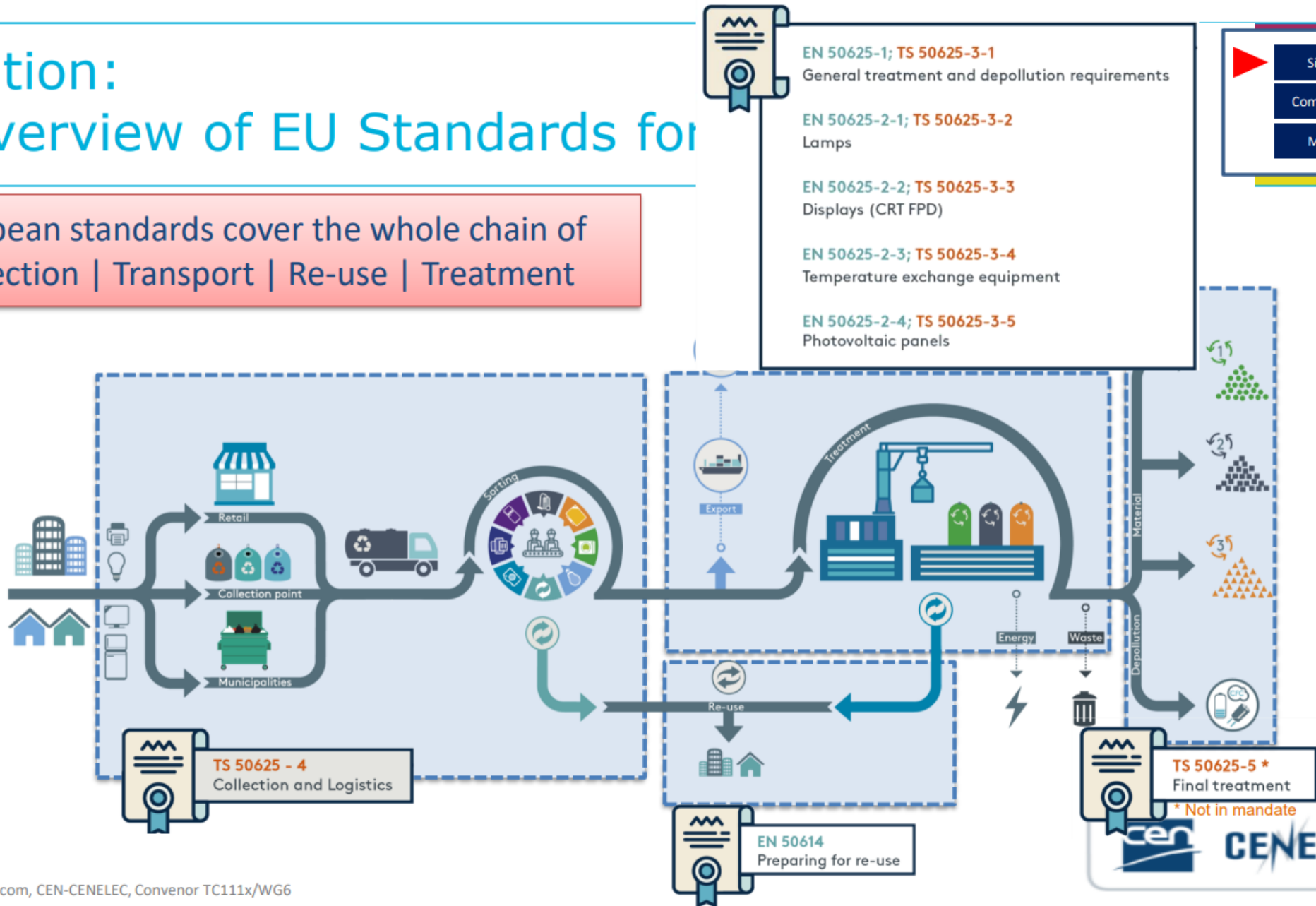
- TS 50625 - 4
Collection and Logistics
- EN 50625-1; TS 50625-3-1
General treatment and depollution requirements
- EN 50625-2-1; TS 50625-3-2
Lamps
- EN 50625-2-2; TS 50625-3-3
Displays (CRT FPD)
- EN 50625-2-3; TS 50625-3-4
Temperature exchange equipment
- EN 50625-2-4; TS 50625-3-5
Photovoltaic panels
- TS 50625-5 *
Final treatment
- EN 50614
Preparing for re-use

Re-use of WEEE



Situation: An overview of EU Standards for

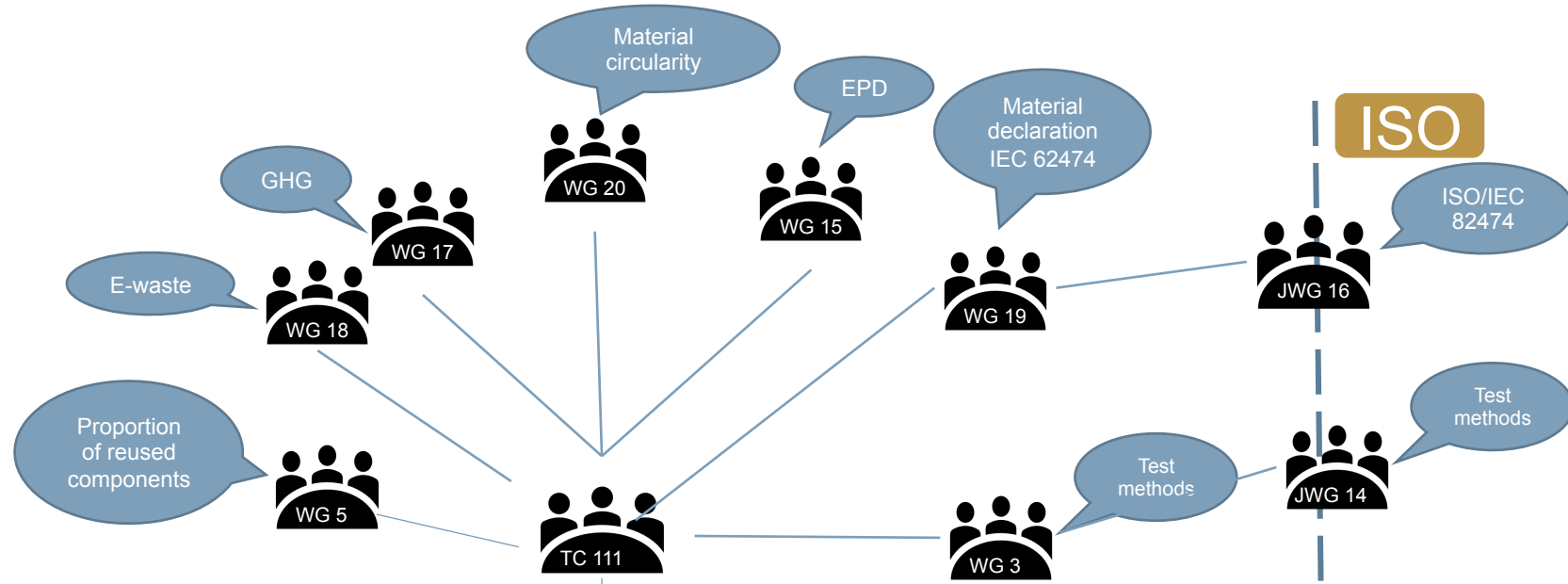
European standards cover the whole chain of
Collection | Transport | Re-use | Treatment



S-611, CLC TC 111x

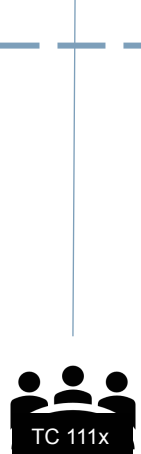
GLOBAL

IEC



EUROPEAN

CENELEC



Deklarering af materialer og kemiske stoffer i elektronik

- Standarden er udarbejdet i IEC 111



- IEC ISO JWG 16
 - ISO/IEC 82474



- Bruges i ERP og PLM systemer
- Vi arbejder for at det bliver brugt i det Digitale Produkt Pas DPP

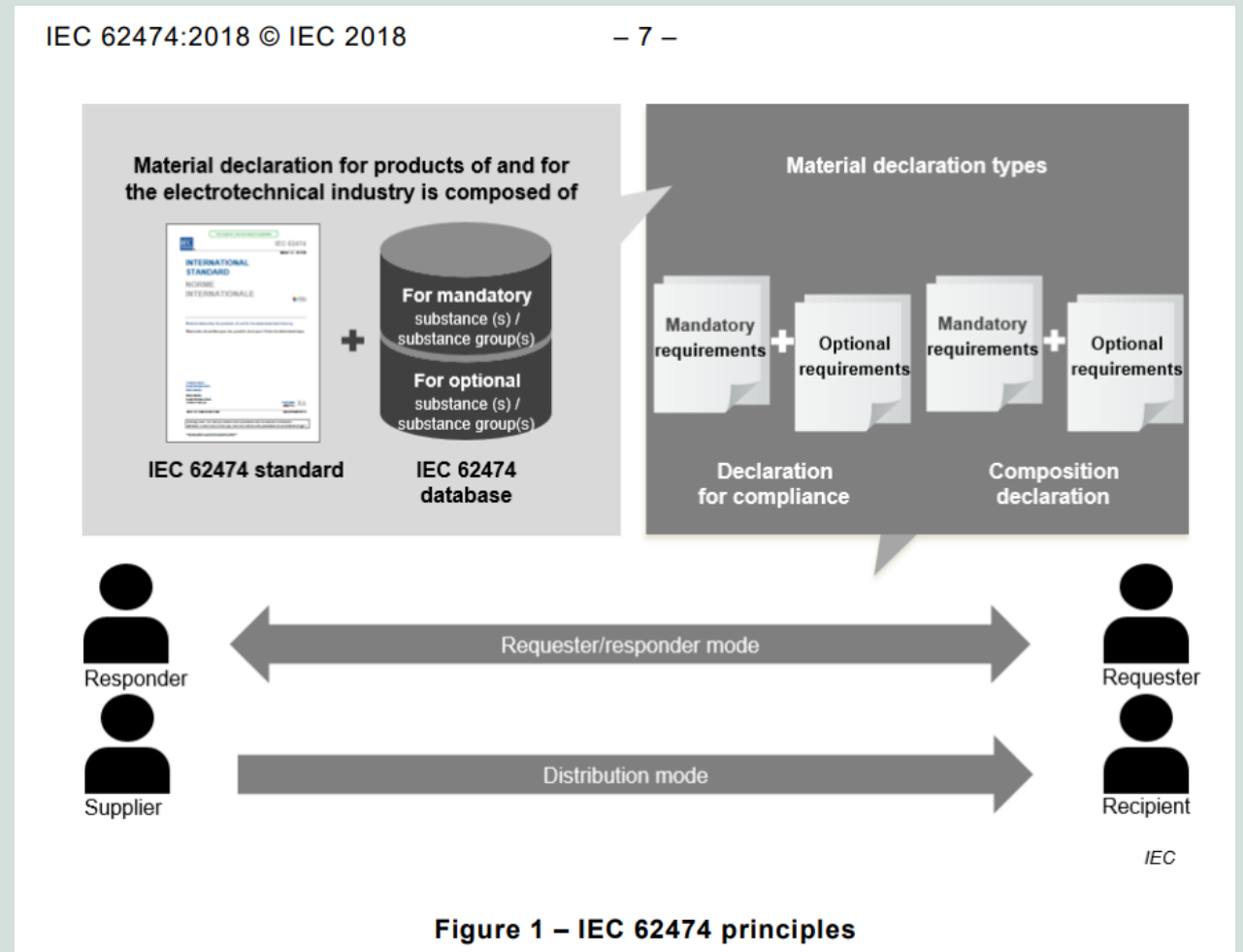
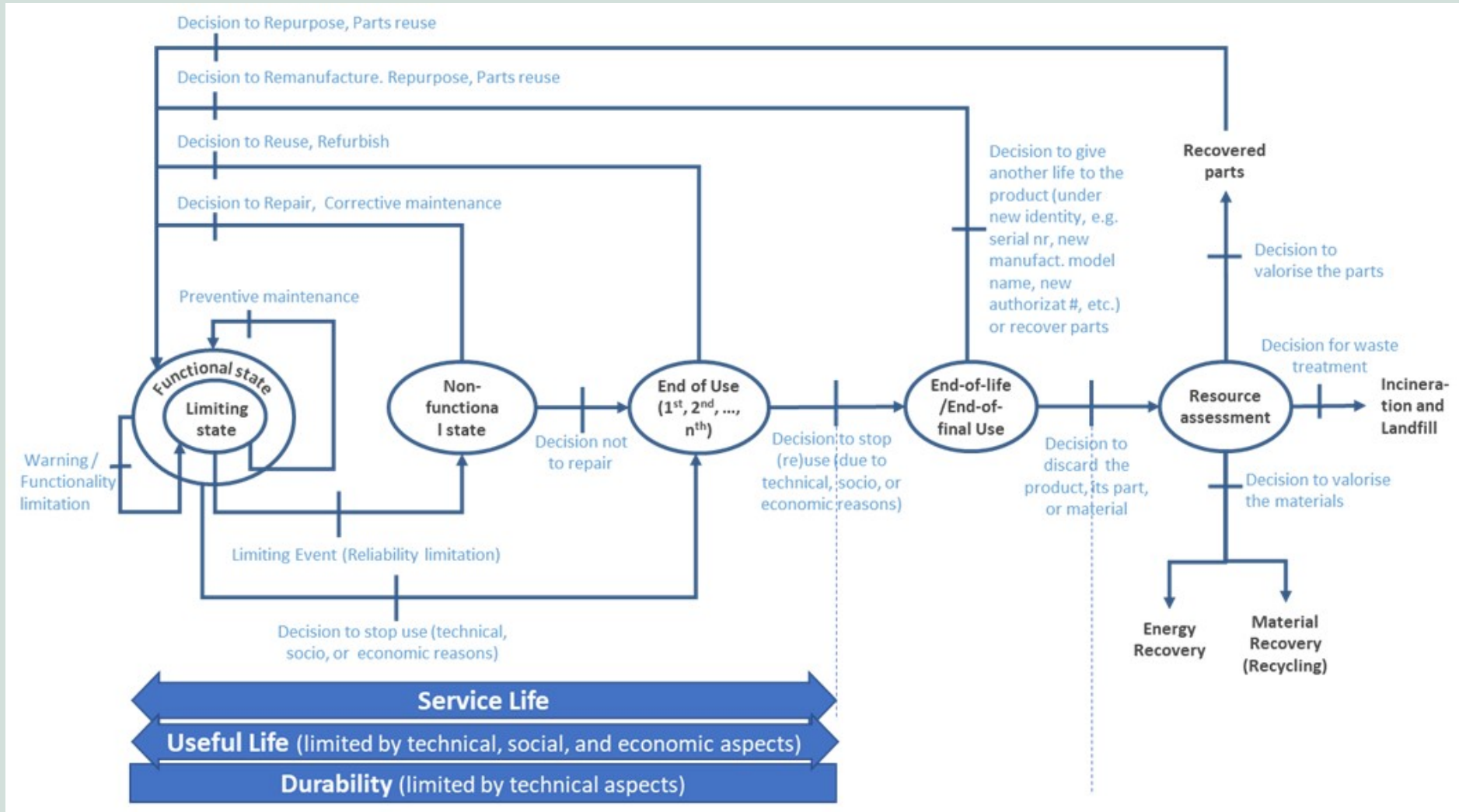


Figure 1 – IEC 62474 principles

Definitioner i den cirkulære økonomi IEC 111 WG 20

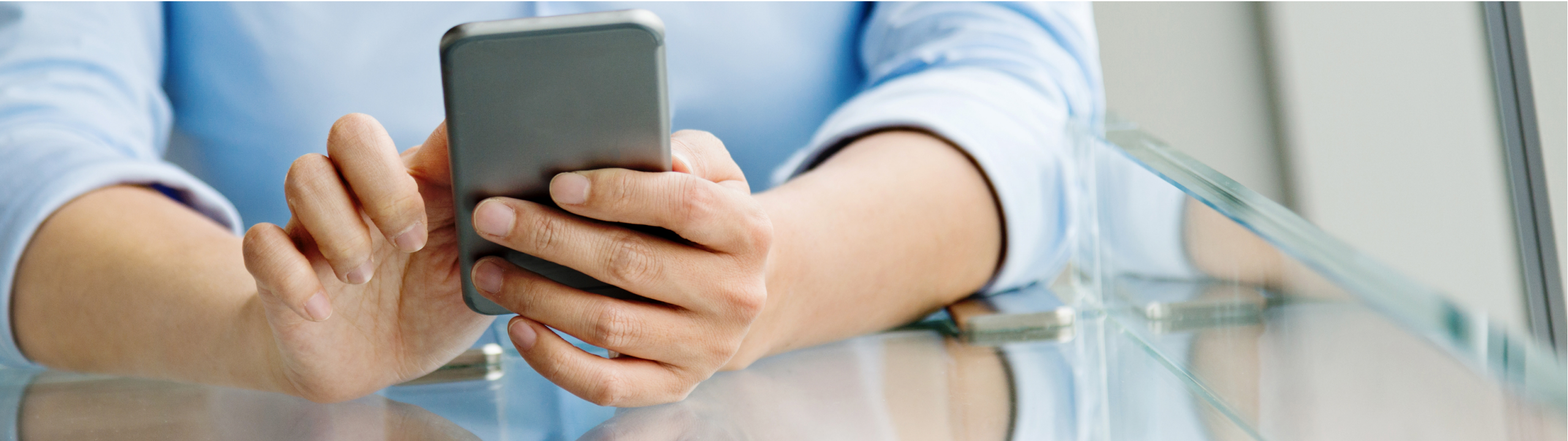
IEC TS 63428



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