

EN 303 645 in Practice - a Manufacturer's View

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BOSCH



Mobility Solutions



Industrial Technology



Energy and Building Technology



Consumer Goods



B/S/H/

Home appliances for daily use



Home Connect – BSH's IoT ecosystem

Coffee machine



Dishwasher



home connect

Camera in the fridge



Oven



Home Connect – BSH's IoT ecosystem

Coffee machine



Dishwasher



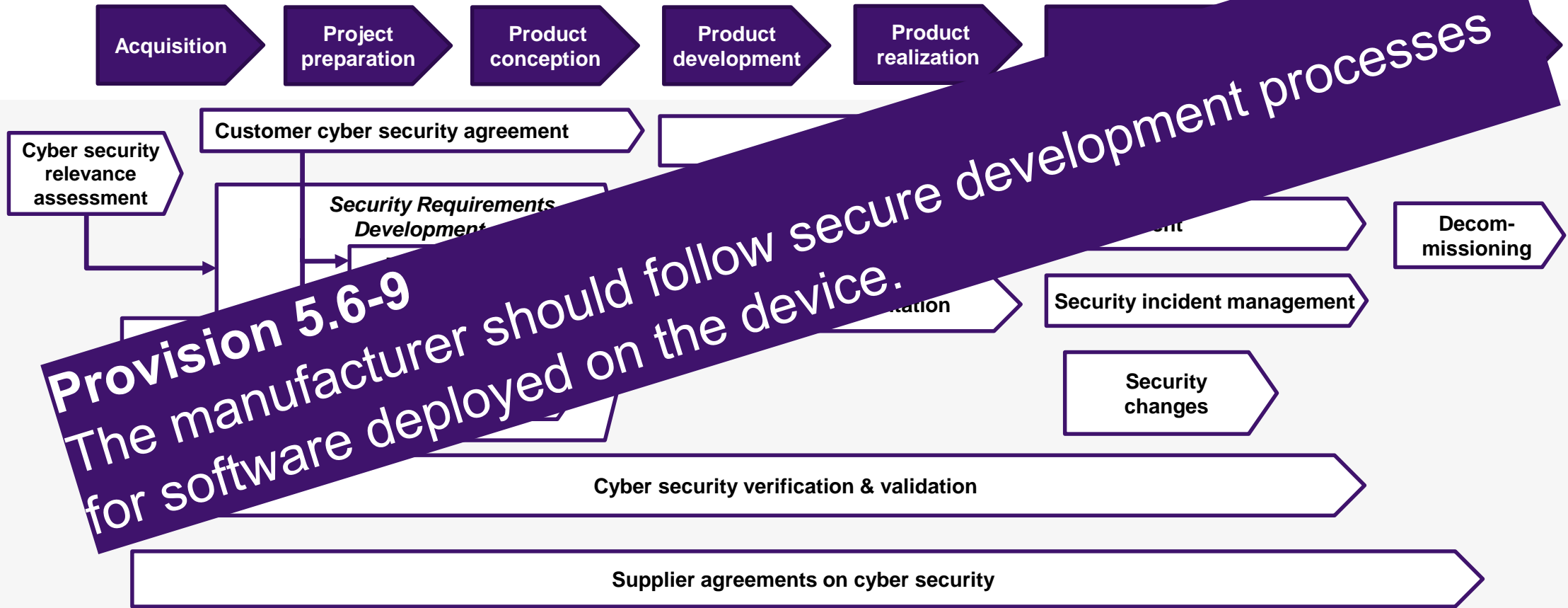
Camera in the fridge



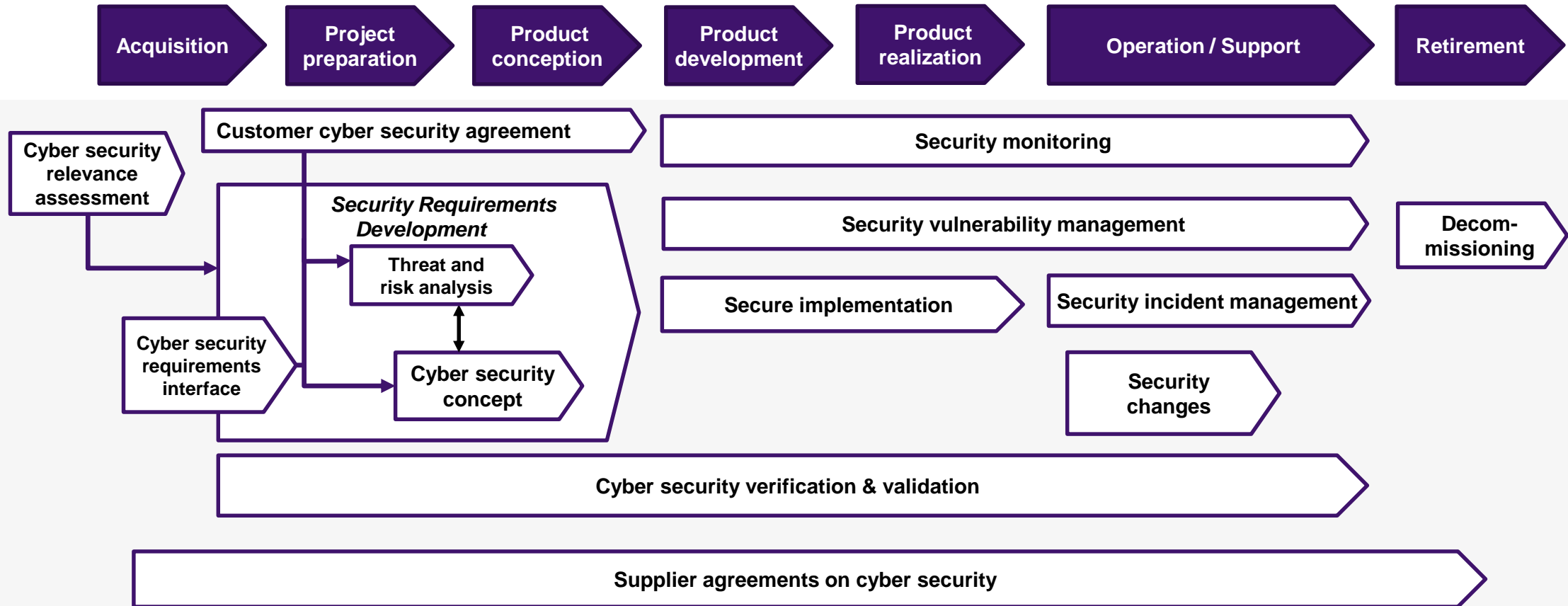
Oven



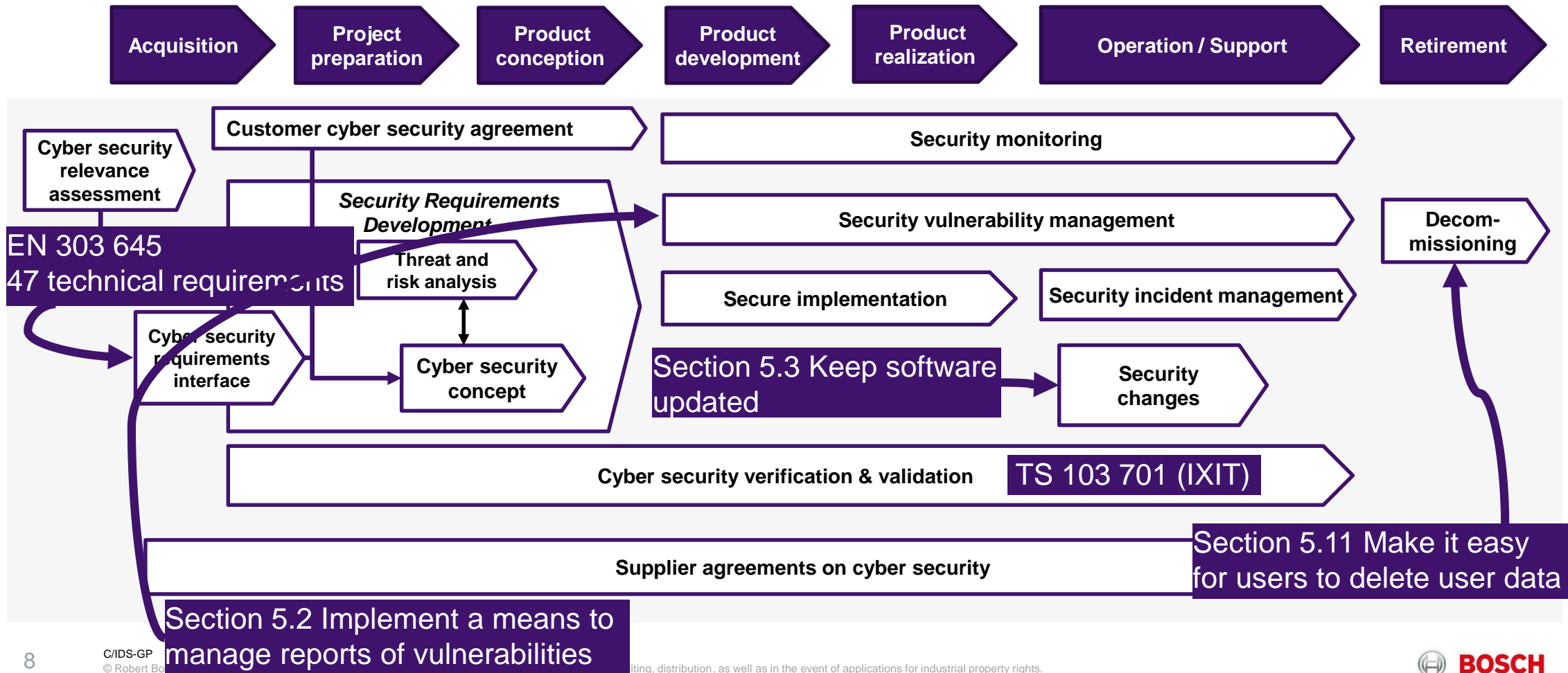
Bosch Security Engineering Process

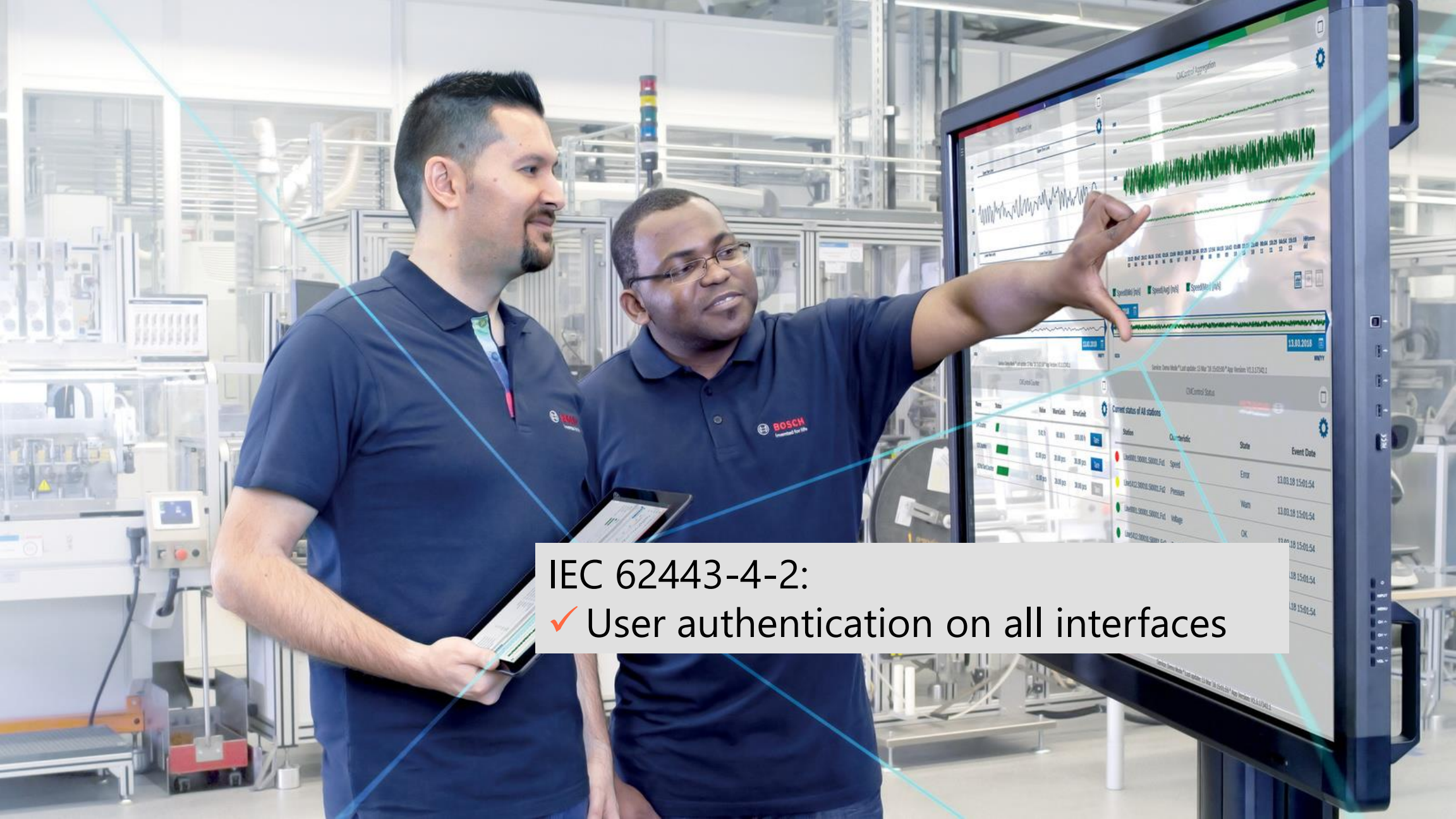


Bosch Security Engineering Process



Bosch Security Engineering Process





IEC 62443-4-2:

✓ User authentication on all interfaces



– User authentication on all interfaces



– User authentication on all interfaces

EN 303 645:

- ✓ Provision 5.6-3 Device hardware should not unnecessarily expose physical interfaces to attack.
- Provision 5.6-4 Where a debug interface is physically accessible, it shall be **disabled** in software.

→ **Be careful with detailed technical requirements!**

Conclusion

- Norms and standards can be helpful
 - general technical requirements as basis for specific solutions
 - helpful templates (IXIT)
- BUT:
 - Risk of over- or underengineering!
 - Threat landscape evolves continuously
 - ➔ Specific requirements easily outdated

Good process better than technical specifics!

