



THE EUROPEAN FEDERATION OF ASSOCIATIONS OF LOCK AND BUILDERS HARDWARE MANUFACTURERS
ARBEITSGEMEINSCHAFT DER VERBANDE DER EUROPÄISCHEN SCHLOSS - UND BESCHLAGINDUSTRIE
FEDERATION EUROPEENE DES ASSOCIATIONS DE FABRICANTS DE SERRURES ET FERRURES

Construction products standardisation in Europe - Only as strong as the weakest link!

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WG C – Standardization
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Introduction

- Standards
 - for specific products
 - for groups of products - “Systems”
- Concern:
- Many do not provide adequate cover
 - Where product required to exceed the standard
 - For products working in systems
 - Where responsibility shared between product standards
- Recommendations & Opportunities!

Door Systems

- **Normally door plus 3 or 4 types of hardware**
 - hinges, lock, handles, door closer... etc

- **Hardware to individual standards?**

- **Hardware to appropriate standards?**

- **Door systems often specified around hardware standards achieved in isolation eg.**
 - Door Closer Performance
 - Latch performance
 - Lock Security

Door System Performance

- Testing to Performance standards typically confirm:-
 - Fire resistance, Smoke resistance
 - Weather resistance
 - Forced attack resistance of door

- Other parameters typically by hardware specification vs door mass etc:-
 - Closing speed
 - Closing force
 - Latching operation from stop start

Door System Security

- Testing to security standards typically address security against forced attack
- Normally includes lock (door to frame)
- May not include cylinder ?
- May not include surreptitious attack ?
- Where responsibility shared - often neglected
 - Eg Forcing of a handle to overcome a locking device
 - Not covered by prEN's 1627 - 1630

Other security issues include

- **Attachments / Fixings / Fastenings**
 - Not covered adequately in many CEN standards
 - Recommended fixings not always used during testing

 - **Manipulation / picking**
 - Not covered in all CEN/WG4 standards
 - prEN1630 does not address picking

 - **Drive-through (hammer) attack on cylinders**
 - PrEN 1629 (soft impact test) does not address

 - **Cylinder snapping attack**
 - EN1303 does not address
 - prEN 1630 toolkit does not address

 - **New attack methods**
 - Standards development process is typically too slow to address
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Result

- Door system components may all meet individual standards but:
- Door system may have weak link, eg.
 - Door closer which will not always overcome latching force and/or hinge and weatherseal resistance etc
 - Door which is difficult to force but may have a low performance cylinder lock which is easy to drill, pick or break.

The Solution - Integrated System Standards and Quality Marks !

➤ Mutually supporting Standards

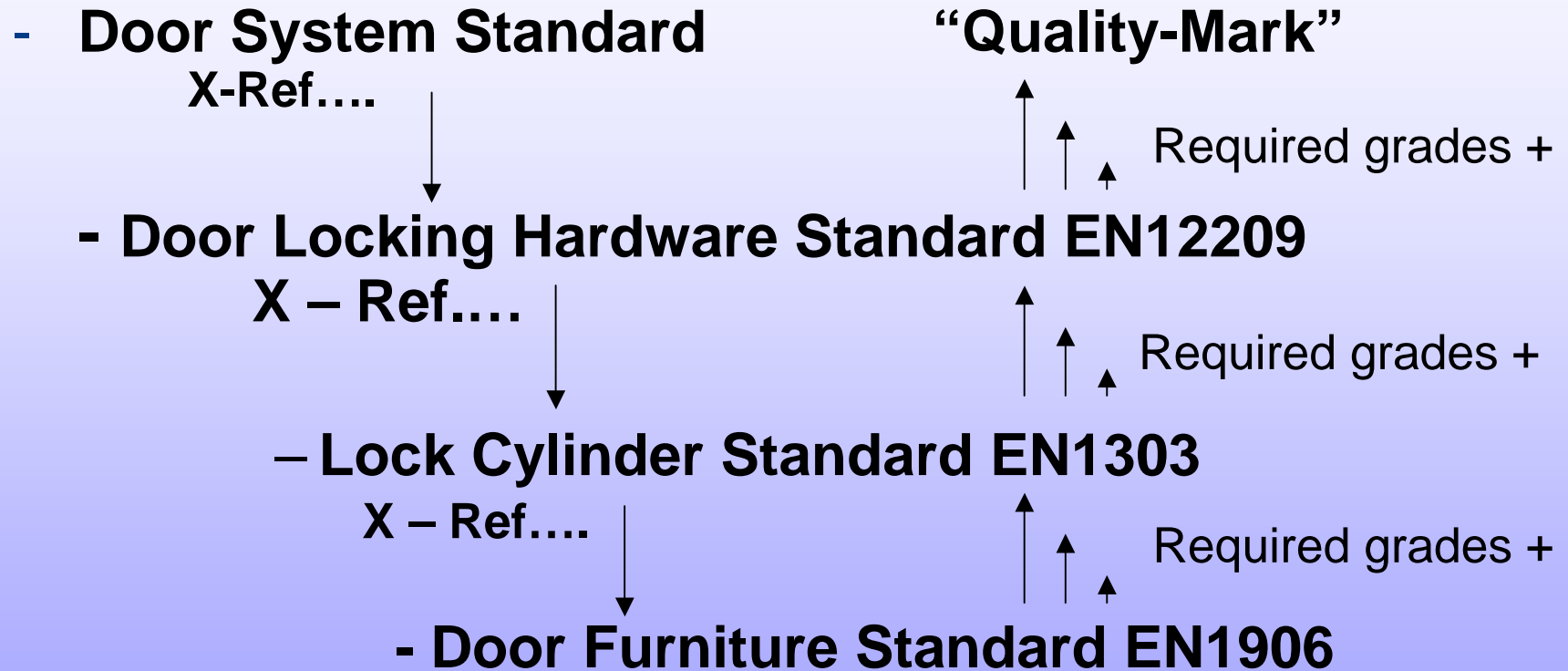
- Achieve by coordinating standards development activities
 - Improved X-referencing other standards
 - Performance and grades required to support another standard
 - Faster processes for introducing changes in Test Methods

➤ Third Party Quality Marks

- Independently select Product Standards and higher grades required for Quality Marking of a product or system
 - Use to enhance EN and other Standards
 - Confirm that selected products perform as a system
- Easily recognised by CUSTOMERS
- DEMANDED by CUSTOMERS



For example



Resulting Opportunities?

- **Standards and Quality Marks**
 - Use EN Standards to **BENCHMARK** our products
 - Use Local Standards to **DEFINE** our products for our targeted / local markets
 - Use Quality Marks to **UPSELL** our products and systems
 - More closely aligned to **System needs!!**
 - More closely aligned to **Market and Customer needs!!**

- **Specification based more on performance rather than just on price?**

- **Raise barriers to certain low cost suppliers?**

- **Customers awareness of “more value for more money” ..!!**

In summary

- **Door systems usually let down by weakest link.....**
- **Need mutually supporting Performance and Security Standards !**
- **Faster introduction of new test methods!**
- **More use of Local Standards and Quality Marks!**
- **Drive the weakest link out of system!**
- **Provide “More Value for More Money” !**
- **All Standards WGs / TGs should focus !**



Thank you

