



LONMARK®
INTERNATIONAL

BACnet vs. LON

The Battle is over



LONMARK®
INTERNATIONAL

Presenter

- Hans-Jörg Schweinzer
- LOYTEC CEO
- Co-Founder of LOYTEC
- BOD member
 - LonMark Germany;
 - LonMark International
- Austrian delegate in CEN TC247,
ISO/IEC JTC1, ISO TC205, CLC TC205

International Standards

- BACnet and LON are international standards
 - ISO16484-5 (BACnet)
 - ISO/IEC14908 (LON)
- CEN TC247 is the home for both standards in Europe

Co-Existence in Real World Buildings

- In more and more buildings BACnet and LON do an excellent job together
- BACnet benefits from its standardized automation and management functions like
 - Alarming
 - Scheduling and
 - Trending
- LON is excellent when it comes to mass integration
 - Network Database (LNS)
 - Room Automation

Mapping Guidelines

- Data point communication between BACnet and LON systems is proven to work in an excellent way
- CEN/TS 15231:2005
 - Mapping guideline to map LON SNVTs to BACnet Objects

Auto Mappings

- Work flow is crucial
 - Start with the LON side
 - LON SNVTs to be mapped element by element automatically to BACnet objects (digital, analog, multi state)
 - Auto create BACnet objects and connect
- Implementation example:

