

WIB Wireless Workgroup

2008-2009 Update

Berry Mulder
Shell Global Solutions
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Agenda

- Workgroup Scope
- Status of Wireless
- Activities

Workgroup Scope

Observe the development of Wireless Instrumentation
and promote end-user's requirements on:

- Ease-of-deployment
- Secure solutions
- Interoperability
- System Integration

Typically:

what matters for an end-user beyond the supplier's factory

Status of Wireless – Market:

Major suppliers have products that work

Smaller suppliers closer to the sweet-spot

Bits and pieces sometimes still hard to get working

Security not auditable yet

Interoperability not confirmed

Systems integration very basic (typical Modbus)

Status of Wireless – Standards (1):

WirelessHART / IEC62591

very few products seen after 1.5 years of release

compliance seems to be a struggle

ISA100.11a

2nd draft standard did not pass: not ready yet

3rd draft standard soon under voting

limited vendors/products available after approval

in the near term

Status of Wireless – Standards (2):

ISA100.12

Convergence of WirelessHART and ISA100.11a

Aims for dual-(/multi-)mode sensors and/or baseradios

Gap-analysis document expected

ISA100.15

defines standard backbone for wireless (sub-)networks

typical: wireless / remote I/O

strong involvement of Fieldbus Foundation (FF-HSE)

Wireless Workgroup – Activities:

Supplier presentations and demonstrations

Delegate-participation in Standardisation Committees

Investigate availability of special frequencies and/or technologies for more-critical applications (safety, etc) (as an alternative to the 2,4 GHz ISM band)

Stimulate qualification institute

maybe WIB even becomes leading/executing !