Common Public Radio Interface CPRI.

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CPRI – an industry cooperation

The Common Public Radio Interface (CPRI) was jointly created by













Some 2003 history ...

April first meeting between the 5 parties

May first technical meeting

June press release announcing CPRI

July launch of CPRI homepage

August first draft specification

September release of CPRI specification

November CPRI Day

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Scope of CPRI.

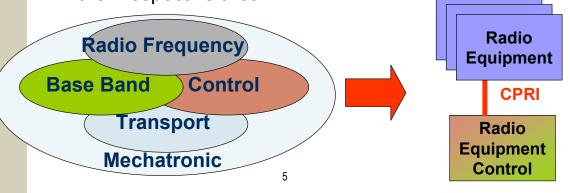
- The industry cooperation objective was to
 - define a publicly available specification
 - for the key internal interface of radio base stations
 - between Radio Equipment Control and Radio Equipment
 - which can be used for all relevant 3G standards
 - simplifies the base station architecture
- CPRI is not
 - a legal entity, joint venture, formal body
 - a supply chain agreement



CPRI exploits evolution of technology.

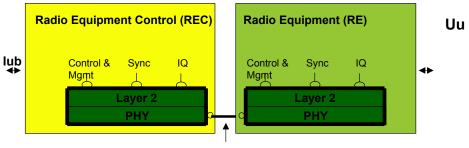
CPRI focuses on a simplified Radio Base Station architecture dividing the Radio Base Station into a radio and a control part, by specifying <u>one</u> new interface.

Each part will benefit from the technology evolution in their respective area.



The CPRI interface.

Simplicity and Flexibility



Digitized Radio Base Station internal interface specification

CPRI



- Efficient product differentiation with faster time to market.
- Different and new Radio Base Station architectures deliver more flexible solutions
 - integrated architectures
 - distributed architectures
 - remote tower mounted radios
 - etc
- More deployment scenarios
- Efficient network deployment



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Benefits to Suppliers

- CPRI allows access to the majority of the market
 - defined and maintained by five leading vendors
- CPRI is an open standard
 - equal opportunities for third parties to develop optimized solutions
- CPRI gives guidance and security
 - suppliers can focus R&D to innovation not to variants
 - suppliers can exploit their key advantages

Competition and Value Chain.

- The radio network system vendors will continue to take full responsibility for complete radio base stations and on the delivery of complete systems and solutions.
- The emergence of a more open market for subsystems will increase innovation and competition.
- Any subsystem supplier can develop products based on the CPRI-specification, with adoptions (e.g. form, size) to each Radio Base Station system.

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CPRI key success factors.

Simplicity

- just one interface
- one access technology W-CDMA (first step)

Flexibility

- options
- increasing the flexibility of radio base station architectures.

Availability

- specification openly available to everybody
- only 4 months to final specification





Thank You For Your Attention!

