A uniform model for access to the delivery context
Model is derived from DOM-like interfaces
A "context DOM tree" parallel to the "content DOM"
Has FULL DOM event support
Semantics defined separately in an ontology doc
Supports dynamic values, topologies, metadata
Expected that DCCI might benefit from existing DOM technologies, tool support, libraries, techniques etc.
• Proposed Rec since December 2008
• Compliant implementations:
  • Nokia
  • France Telecom
• Since then, the status has remained the same due to certain *concerns* raised by industry
• Review of DCCI by UWA WG commenced in 2H 2009
• Observations:
  • *Too dependent on DOM*
  • *Heavy* – most interfaces/methods not needed, or inappropriate
  • *DOM event is heavy* for use within a simple context model
• Deficiencies/Omissions:
  • *Support for data provider* nodes (emphasis was on consumers)
  • Support for *external properties, storage and retrieval*
  • Means of *extending standard interfaces*
  • *Security Model*
DOM?  • DOM interface: established & familiar
  – **But** developer feedback suggests that representing context as a DOM is counter-intuitive and confusing.
  – Most methods were merely stubs!

• Conclusion
  – Don’t try to fit square peg into round hole
  – Separate into different interfaces
    • E.g. Model, Property, Collection, Metadata etc.
  – Consider alignment with DDR interface
    • Vocabulary, Property, Aspect
Next   • We solicit participation from industry to work on a next generation leaner, lightweight model

• Uniform interfaces with extension support for properties, a security model, lighter event and propagation schemes

• First draft for discussion is available within UWA DCCI requirements wiki