

[] Binary XML

XML(eXtensible Markup Language) 1996 W3C(World Wide Web Consortium)

1998 2

. XML HTML

SGML(Standard Generalized Markup Language)

HTML SGML . XML 가

Binary XML

가

XML

XML 가 . XML

(tag) 가 ,

. XML

가

XML

XML

가

XML Binary XML . ,

XML

XML

XBC-WG Binary XML

W3C 2004 3 Binary XML XML Binary

Characterization Working Group (XBC-WG) . 1

3 XBC-WG Binary XML Binary XML

가 . XBC-WG Binary

XML 가

GUI

SOAP(Simple Object Access Protocol)

XML

, Binary XML

Binary XML W3C XML XML

, Binary XML W3C가 가

, Binary XML 가

XBC-WG XML

(use cases) Binary XML

(properties)

W3C (architectural principle) (best practices)

(MUST HAVE) 가 XML

Binary XML 가

Binary XML

XBC-WG Binary XML

< 1> Binary XML

MUST SUPPORT Properties	MUST NOT PREVENT Properties
Directly Readable and Writable	Processing Efficiency
Transport Independence	Small Footprint
Compactness	Widespread Adoption
Human Language Neutral	Space Efficiency
Platform Neutrality	Implementation Cost
Integratable into XML Stack	Forward Compatibility
Royalty Free	
Fragmentable	
Streamable	
Roundtrip Support	
Generality	
Schema Extensions and Deviations	
Format Version Identifier	
Content Type Management	
Self Contained	

XBC-WG W3C가 XML Binary XML

W3C Binary XML

Binary XML

XML

Fast Infoset

XML 가
Binary XML 가 , Fast
Infoset 가 . Fast Infoset ITU-T ISO/IEC JTC1
, ITU-T Study Group 17 ISO/IEC JTC1 SC6가
. ITU-T X.891 ISO/IEC 24824-1 'Information
Technology – Generic Applications of ASN.1 : Fast Infoset' 5 ITU-T
, ISO/IEC DIS(Draft International
Standard) 가 . ITU-T
XML 가 Binary
XML .
(, queue@etri.re.kr)