NAR / specific standards



- NAR provides a generic framework
- NAR is *not* an IPTC standard for end users
- An IPTC news exchange standard implements the NAR for a specific usage.
- Example NewsML: representation of textual stories, pictures, audio & video clips, or multimedia stories (text associated with illustrations).
- Example SportsML: representation of sports results ans statistics.

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News Architecture



- The overall requirements the NAR has to meet:
 - 1. Simplify the processing of news objects
 - 2. Treat news, events, sports results and other news-related information the same way
 - 3. Use the latest XML technologies
 - 4. Make it compact
 - 5. Make it storage-friendly
 - 6. Make it semantically rich!
 - 7. Keep compatibility with the current model
- Create a News Architecture (NAR)
- Use it for all IPTC standards

NAR: after AGM 2005



- · Worked on refinements of the News Structure
- Worked on data types and the main common components
- · Worked on the metadata framework (tech. consulting)
- · Worked on the XML syntax, plus technical documentation (tech. consulting)
- · Discussed aspects of the processing model

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NAR: in the 5 last months



- Only eight "usual suspects" worked on the development
- Mails (>=June):
 NAR-dev: 474

 - NMDF-dev: 159 CoCo-dev: 257
 - NMAN-dev: 49 Total: ~ 950 posts
- · Confcalls:
 - Agenda published on the IPTC web site
 - http://www.iptc.org/membersonly/schedule main.php#confcall (>=June): 2 times a week = 19 times (40 hours!)

 - Notes published on the NAR-dev list
- · Multiple version of the WG documents

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NAR status October 2005 §



- A set of documents: modeling + tech specs
- · A set of XML Schema files (.xsd)
- · Consultancy:
 - for XML Schema implementation (Jay Cousins, Ulf Wingstedt)
- for metadata implementation (Mark Birbeck)
- Interaction with other communities:
 - W3C (RDF/A & XHTML, semantic web)
- Therefore: NAR is close to a good framework, but still many details to decide on.

NAR Model documents



- · Key approach: "What NAR provides"
- Expressed as verbal documentation + UML diagrams
- Introduction to:
 - A model for the creation of common components
 - A set of datatypes and common components
 - A conceptual model
 - A metadata framework
- · And two conformance levels
 - 'core' and 'power'

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NAR Technical Spec documents & · Key approach: "How NAR works in detail"

- · Expressed as a more formal verbal documentation + XML samples
- · Detailed definition of:
 - A set of datatypes
 - A set of common components
 - A set of reusable items
 - The processing model associated with each component and item.

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NAR Glossary document



- Supplements the Model and the Tech Spec documents as a third document
- - Glossarv
 - Acronyms
 - External references (to documents outside the NAR

NAR: timeline



- Autumn 2005:
 - IPTC approval of a NAR experimental period.
- Winter 2005
 - Work on NewsML2 and EventsML specifications
 - Debriefing of the test period.
- Spring 2006: IPTC approval of the final NAR documentation.
- Summer 2006: roll-out of NewsML2 and EventsML

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NAR Experimental period



- · Goals:
 - Allow IPTC members to get a grip on the NAR.
 - Test "real life" use cases vs the NAR
 - Bring back practical issues not spotted by the WP.
 - Help on the finalization of the NAR tech spec.

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Statement of the NAR WP

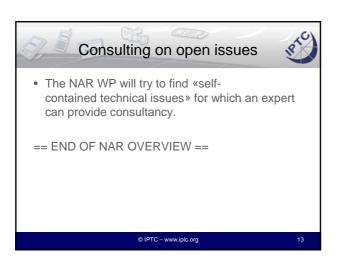


- Request to launch a experimental phase.
- · Parallel with new public drafts & XML Schema
- For to IPTC members ONLY: because external experiments would cause problems with resources and with timeline
- · Use the model and XML Schemas
 - Test feeds (single media and multi media)
 - Object oriented applications
- Start: 1 December
- · Feed back is due on 15 February 2006.

Processing open issues

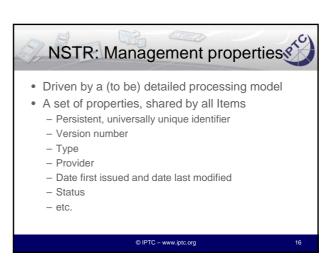


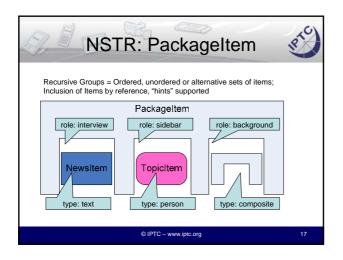
- · Members have to send comments to the NAR-dev Yahoo list.
- Each editor of a specific document will maintain a record of formal open issues, inline or in an appendix.
- The NAR WP prioritizes the open issues, discussion on
- · Each editor modifies his document is order to have a proposal ready for final discussion.
- After agreement at a conf call each editor updates his document, and forwards it to the «global-docuent» editor.

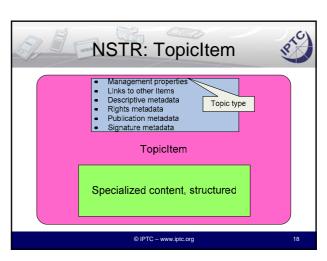


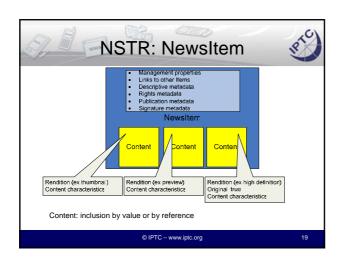


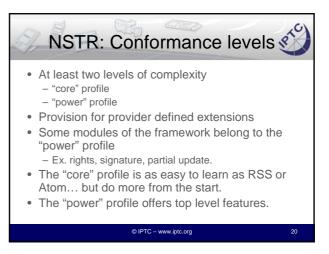


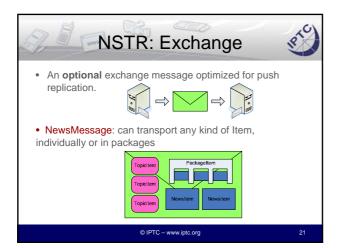




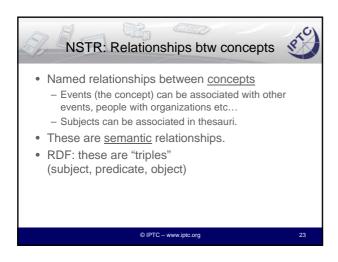


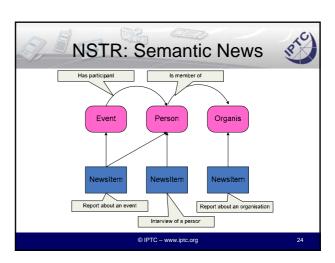


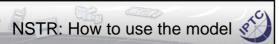












- For applying the NAR to a specific content related news exchange standard this standard's WG has to consider:
 - Is the content news?
 - · Assess structure and processing of NewsItem
 - Reuse existing or create a new content class of NewsItem
 - Is the content knowledge?
 - Assess structure and processing of TopicItem
 - Reuse existing or create a new concept type of TopicItem
 - Is the content something different?
 - Create a new item class by derivation from Anyltem
 - E.g.: AssignmentItem (EventsML)

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Example: EventsML



- Process:
 - Specify the event component (= "the content", information about the event) in coordination with the CoCo WG
 - Model the coverage item and assignment item: what content? Which relationships?
 - Create your items based on the provided schemas.

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NSTR open issues



- Open issues
 - Item identifiers: single URN as specified by RFC3085 vs a generic GUID plus a version identifier.
 - "Content class" vs NMDF "concept type"
 - Position of the content Characteristics in the structure
 - Expression of usage rights associated only with a specific single content component
 - Details of the topic header (specific metadata, thesauri, semantic networks)

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NAR XML implementation §



- · Consultancy provided by Rivcom/CNet
- Remember: 1st part Implementation Guidelines – finally approved in May 2005.
- · Goal: create a set of XML Schema files
 - a/ delivery of requirements to the consultants
 - b/ first delivery of a draft XML Schema
 - c/ IPTC made comments, sent to the consultants
 - d/ consultants provided a new deliverable
- Three iterations -> current draft is 0.3

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XML Schema presentation §



- · Using XML Spy.
- Framework-0.3.xsd
- · PackageItem-0.3.xsd
- TopicItem-0.3.xsd
- NewsItem-0.3.xsd
- NewsMessage-0.3.xsd
- Associated samples

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