

# SportsML & NAR

Alan Karben  
XML Team Solutions, Inc.  
[alan@xmlteam.com](mailto:alan@xmlteam.com)

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# Links

- <http://www.SportsML.org/dev/milan/nar>
- Download the PowerPoint Presentation
- Download the Example Zipfile
- Join the Chatroom within the iptcmembers Yahoo!Group
  - <http://groups.yahoo.com/group/iptcmembers/chat>

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# NAR Tutorial & SportsML Examples

- **Disclaimer!**
  - ◆ I haven't read all the messages on all the newsgroups
  - ◆ I've spent *some* time with the specs and samples, but not a ton of time
  - ◆ These draft specs have changed even yesterday, I'm told
  - ◆ All syntax is approximate
  - ◆ Suggestions for Draft 2 of the SportsML NAR Examples are welcome!

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# NAR At-A-Glance

newsMessage	news:item	package:item	topic:item
sender	coco:itemMeta	coco:itemMeta	coco:itemMeta
transmissionId	coco:contentMeta	coco:contentMeta	coco:contentMeta
priority	newsMeta	root?	topicMeta
origin	--locationOfOrigin?	group*	--conceptId*
destination	content*	--link*	
channel	--characteristics	--itemMeta	struct
itemCollection	--contentType	--contentMeta	
(	--format	--groupRef*	
news:item	--size		
package:item	--(text		
topic:item	struct		
)*	binary		
	)?		

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# <newsMessage> Outline

```
<newsMessage>
(message MetaData: <sender>, <transmissionId>, <dateOfTransmission>)
<itemCollection>
  <package:item>
    <itemMeta>
    <contentMeta>
    <package:root idref="ID000000"/>
    <package:group groupid="ID000000" mode="bag" role="post-game-package">
      <package:link>(for Preview)</package:link>
      <package:link>(for Matchup)</package:link>
      <package:link>(for Lineup)</package:link>
      <package:link>(for Box Score)</package:link>
      <package:link>(for Recap)</package:link>
    </package:group>
  </package:item>
  <news:item>(for Preview)</news:item>
  <news:item>(for Matchup)</news:item>
  <news:item>(for Lineup)</news:item>
  <news:item>(for Box Score)</news:item>
  <news:item>(for Recap)</news:item>
</itemCollection>
</newsMessage>
```

# Zoom In: First <contentMeta>

```
<newsMessage>
(message MetaData: <sender>, <transmissionId>, <dateOfTransmission>)
<itemCollection>
  <package:item>
    <itemMeta>
    <contentMeta>
    <package:root idref="ID000000"/>
    <package:group groupid="ID000000" mode="bag" role="post-game-package">
      <package:link>(for Preview)</package:link>
      <package:link>(for Matchup)</package:link>
      <package:link>(for Lineup)</package:link>
      <package:link>(for Box Score)</package:link>
      <package:link>(for Recap)</package:link>
    </package:group>
  </package:item>
  <news:item>(for Preview)</news:item>
  <news:item>(for Matchup)</news:item>
  <news:item>(for Lineup)</news:item>
  <news:item>(for Box Score)</news:item>
  <news:item>(for Recap)</news:item>
</itemCollection>
</newsMessage>
```

## Zoom In: First <contentMeta>

```
<contentMeta>
<created>2005-10-23T09:30:47.0Z</created>
<infoSource
  created="2005-05-11T12:34:56"
  code="url:xmlteam.com"
  type="scheme:code"
  why="iptc-infosource:distributor"
  >
  <title xml:lang="en">XML Team Solutions, Inc.</title>
</infoSource>
<title>Post-Game Content Package</title>
<description>Package containing game-related documents.</description>

<subject
  code="subject:15000000"
  type="iptc:nc"
  >
  <title xml:lang="en">Sports</title>
</subject>

<subject ...
```

## <contentMeta>: Slew of <subject>s

```
<subject
  code="subject:15000000"
  type="iptc:nc"
  >
  <title xml:lang="en">Sports</title>
</subject>

<subject
  code="subject:15007000"
  type="iptc:nc"
  >
  <childOf code="iptc:sports"/>
  <title xml:lang="en">Baseball</title>
</subject>

<subject
  code="leagues:1.mlb.com"
  type="xts:league-key"
  >
  <childOf code="subject:15007000"/>
  <title xml:lang="en">Major League Baseball</title>
</subject>

<subject
  code="conferences:1.mlb.com-c.al"
  type="xts:conference-key"
  >
  <childOf code="leagues:1.mlb.com"/>
  <title xml:lang="en">MLB: American League</title>
</subject>

<subject ...
```

## Zoom In: <package:link>

```
<newsMessage>
(message MetaData: <sender>, <transmissionId>, <dateOfTransmission>)
<itemCollection>
  <package:item>
    <itemMeta>
      <contentMeta>
        <package:root idref="ID000000"/>
        <package:group groupid="ID000000" mode="bag" role="post-game-package">
          <package:link> (for Preview) </package:link>
          <package:link> (for Matchup) </package:link>
          <package:link> (for Lineup) </package:link>
          <package:link> (for Box Score) </package:link>
          <package:link> (for Recap) </package:link>
        </package:group>
      </package:item>
      <news:item> (for Preview) </news:item>
      <news:item> (for Matchup) </news:item>
      <news:item> (for Lineup) </news:item>
      <news:item> (for Box Score) </news:item>
      <news:item> (for Recap) </news:item>
    </itemCollection>
  </newsMessage>
```

## Zoom In: <package:link>

```
<package:link
  coco:itemIdRef="Item.1"
  coco:role="sportsml-fixture-pre-event-coverage">
  <contentMeta>
    <created>2005-10-23T09:30:47.0Z</created>
    <infoSource
      code="url:sportsnetwork.com"
      why="iptc-infosource:publisher"
      >
      <title xml:lang="en">The Sports Network</title>
    </infoSource>
    <infoSource
      code="url:xmlteam.com"
      why="iptc-infosource:distributor"
      >
      <title xml:lang="en">XML Team Solutions, Inc.</title>
    </infoSource>
    <title>Pre-Game Preview</title>
    <description>Editorial preview of game.</description>
    <slugline coco:separator=",">mlb.previews.wseries.game1</slugline>
  </contentMeta>
</package:link>
```

## Zoom In: <news:item>

```
<newsMessage>
(message MetaData: <sender>, <transmissionId>, <dateOfTransmission>)
<itemCollection>
  <package:item>
    <itemMeta>
      <contentMeta>
        <package:root idref="ID000000"/>
        <package:group groupid="ID000000" mode="bag" role="post-game-package">
          <package:link> (for Preview) </package:link>
          <package:link> (for Matchup) </package:link>
          <package:link> (for Lineup) </package:link>
          <package:link> (for Box Score) </package:link>
          <package:link> (for Recap) </package:link>
        </package:group>
      </package:item>
      <news:item> (for Preview) </news:item>
      <news:item> (for Matchup) </news:item>
      <news:item> (for Lineup) </news:item>
      <news:item> (for Box Score) </news:item>
      <news:item> (for Recap) </news:item>
    </itemCollection>
  </newsMessage>
```

## Zoom In: <news:item>

```
<news:item
  coco:guid="Item.1"
  xmlns:news="urn:iptc:std:news:1.0:mlns">
  <itemMeta>
    <itemMeta>
      <contentMeta>
        <news:newsMeta> <news:locationOfOrigin-Chicago</news:locationOfOrigin> </news:newsMeta>
        <news:content
          rendition="sportsml"
          href="http://webservice.xmlteam.com/getDoc?id=xt.90210-002-00001-preview"
          >
          <news:characteristics>
            <contentType>application/sportsml+xml</contentType>
            <format>application/xml</format>
            <size>3774</size>
          </news:characteristics>
          <news:struct> <!-- Inline SportsML would have gone here --> </news:struct>
        </news:content>
        <news:content
          rendition="xhtml"
          href="http://webservice.xmlteam.com/getDoc?id=xt.90210-002-00001-preview&stylesheet=sportsml2html"
          >
          <news:characteristics>
            <contentType>text/xhtml</contentType>
            <format>text/xhtml</format>
            <size>8912</size>
            <!-- Nice to add: generator -- which XSLT Engine processed Stylesheet that created this rendition -->
            <!-- Nice to add: profile, for which XSLT Stylesheet was used to created this rendition -->
          </news:characteristics>
          <news:struct> <!-- Inline XHTML would have gone here --> </news:struct>
        </news:content>
      </news:content>
    </itemMeta>
  </news:item>
```

## Alan's NAR Suggestion Wishlist

- ◆ Some suggestions, since I can't be there discussing this and that, here and there.

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## NAR Suggestion Wishlist

- **Disclaimer!**
  - ◆ Plenty of these suggestions have probably been thrown around and discussed on the Yahoo!Groups and via phone calls / meetings
  - ◆ So I'll allow that there'd likely be many compelling reasons to keep things Status Quo
  - ◆ That said...

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## NAR Improvement Wishlist

1. **Make the various :item's more Parallel**
  - ◆ Easier to explain & understand
  - ◆ Easier to code

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## NAR @ Recent Spec

newsMessage	news:item	package:item	topic:item
sender	coco:itemMeta	coco:itemMeta	coco:itemMeta
transmissionId	coco:contentMeta	coco:contentMeta	coco:contentMeta
priority	newsMeta	root?	topicMeta
origin	--locationOfOrigin?	group*	--conceptId*
destination	content*	--link*	struct
channel	--characteristics	--itemMeta	
	--contentType	--contentMeta	
itemCollection	--format	--groupRef*	
(	--size		
news:item	--(text		
package:item	struct		
topic:item	binary		
)*	)?		

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## Put top newsMessage elements into messageMeta

Organizing those elements unifies newsMessage with the :item's

newsMessage	news:item	package:item	topic:item
<b>messageMeta</b>	coco:itemMeta	coco:itemMeta	coco:itemMeta
sender	coco:contentMeta	coco:contentMeta	coco:contentMeta
transmissionId	newsMeta	root?	topicMeta
priority	--locationOfOrigin?	group*	--conceptId*
origin	content*	--link*	struct
destination	--characteristics	--itemMeta	
channel	--contentType	--contentMeta	
itemCollection	--format	--groupRef*	
(	--size		
news:item	--(text		
package:item	struct		
topic:item	binary		
)*	)?		

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## Roll newsMeta/locationOfOrigin into contentMeta

It's just one property, sticks out like sore thumb, and can apply elsewhere

newsMessage	news:item	package:item	topic:item
<b>messageMeta</b>	coco:itemMeta	coco:itemMeta	coco:itemMeta
sender	coco:contentMeta	coco:contentMeta	coco:contentMeta
transmissionId	content*	root?	topicMeta
priority	--characteristics	group*	--conceptId*
origin	--contentType	--link*	struct
destination	--format	--itemMeta	
channel	--size	--contentMeta	
itemCollection	--(text	--groupRef*	
(	struct		
news:item	binary		
package:item	)?		
topic:item	)*		

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## Rename itemCollection to itemSet

itemSet is shorter, and the "set" term can readily apply to other elements

newsMessage	news:item	package:item	topic:item
messageMeta	coco:itemMeta coco:contentMeta	coco:itemMeta coco:contentMeta	coco:itemMeta coco:contentMeta
itemSet	content* --characteristics --contentType --format --size --(text   struct   binary )?	root? group* --link* --itemMeta --contentMeta --groupRef*	topicMeta --conceptId* struct

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## Move <content>s into <contentSet>

Add originalIdRef attribute, to contentSet, which then enforces a single pointer

newsMessage	news:item	package:item	topic:item
messageMeta	coco:itemMeta coco:contentMeta	coco:itemMeta coco:contentMeta	coco:itemMeta coco:contentMeta
itemSet	contentSet ( news:item   package:item   topic:item )*	root? group* --link* --itemMeta --contentMeta --groupRef*	topicMeta --conceptId* struct

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## Move <group>s into <groupSet>

Add root attribute, which then points to the root group

newsMessage	news:item	package:item	topic:item
messageMeta	coco:itemMeta coco:contentMeta	coco:itemMeta coco:contentMeta	coco:itemMeta coco:contentMeta
itemSet	contentSet ( news:item   package:item   topic:item )*	groupSet ( group* --link* --itemMeta --contentMeta --groupRef* --(text   struct   binary )?	topicMeta --conceptId* struct

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## Rename <topicMeta> and <conceptId>

topicMeta isn't really "Meta," it's really the substance of topic:item

newsMessage	news:item	package:item	topic:item
messageMeta	coco:itemMeta coco:contentMeta	coco:itemMeta coco:contentMeta	coco:itemMeta coco:contentMeta
itemSet	contentSet ( news:item   package:item   topic:item )*	groupSet ( group* --link* --itemMeta --contentMeta --groupRef* --(text   struct   binary )?	conceptSet ( concept )* struct

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## Now That's Easy-to-Understand!

newsMessage	news:item	package:item	topic:item
messageMeta	coco:itemMeta coco:contentMeta	coco:itemMeta coco:contentMeta	coco:itemMeta coco:contentMeta
itemSet	contentSet ( news:item   package:item   topic:item )*	groupSet ( group )*	conceptSet ( concept )* struct

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## NAR Improvement Wishlist

1. **Make the various :item's more Parallel**
  - ◆ Easier to explain & understand
  - ◆ Easier to code
2. **Consider whether simple XML Schema Validation can be used to validate MetaData's controlled vocabularies**
  - ◆ Rather than demanding fancy Schematron scripting or a custom NAR engine

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## Schema MetaData Validation

See `topic-schema.xsd` sample file

```
<enumeration value="1.mlb.com-4.6">
  <annotation>
    <appinfo>
      <cooco:concept
        creator="scheme.code"
        created="2005-05-11T12:34:56"
        type="scheme.code"
        why="scheme.code"
        >
      <childOf codes="subject:15007000"/>
      <sameAs code="scheme.code"/>
      <title xml:lang="en">Chicago White Sox</title>
    </cooco:concept>
    <sportsml:team>
      <team-metadata>
        <name first="Chicago" last="White Sox" />
      </team-metadata>
      <affiliation
        membership-type="conference"
        membership-key="1.mlb.com-c.al"
        membership-name="MLB: American League"
      />
    </sportsml:team>
  </appinfo>
</annotation>
</enumeration>
```

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## NAR Improvement Wishlist

1. **Make the various :item's more Parallel**
  - ◆ Easier to explain & understand
  - ◆ Easier to code
2. **Consider whether simple XML Schema Validation can be used to validate MetaData's controlled vocabularies**
  - ◆ Rather than demanding fancy Schematron scripting or a custom NAR engine
3. **Call the whole banana "NewsML"**
  - ◆ It clearly aims to be a functional superset of NewsML 1.0
  - ◆ It's a great term to market.

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## Next Steps / Open Forum

- Flesh out further examples for SportsML Use within New Architecture
- Begin information-gathering for SportsML 1.7
- Provide more examples and continually improve documentation
- Continue to develop SportsML Schema
  - ◆ Improve the "specificness" of controlled formats and vocabularies
- Next Meeting: Vancouver, March 27-29
- Open Forum

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