

# TeamRoom Plus

IBM TeamRoom

This OPEN document will not be filed. It is being kept active.

## Meeting about Meetings\OGF

Project	DFDL 1.0
Meeting Date	10-Dec-08 (Wed)
Meeting Time	14:00 - 15:00

Created by Alan Powell on 10-Dec-08

Last Modified by Alan Powell on 10-Dec-08

## OGF DFDL Working Group Call , December- 10-2008

### Agenda

**Prepare** for your meeting by describing the objectives (both immediate and long-term, if appropriate) of the meeting; and describe key plan details.

### Minutes

#### Meeting Minutes

**Reflect** on your meeting as you record all topics and issues discussed , and any tabled conversations. What went well, or what would you do differently next time? Document those so others can take advantage of your learning .

#### Open Grid Forum : Data Format Description Language Working Group

#### Weekly Working Group Conference Call 13:00 GMT, 10 December 2008

#### Attendees

Steve Hanson (IBM)  
Alan Powell (IBM)

#### Appologies

Mike Beckerle(Oco)

#### 1. Padding to minlength

Discussed AP emailed proposal and subsequent emails.

SH comments

"Alan - I see what you have done - you've added textStringPad but also made it the controlling property - ie, you look at textStringPad first. (This matches what IBM WTX does). That's ok - as long as you don't have textStringPad controlling trimming. So here's a proposal that reflects that. Note that I have made textPadKind applicable to strings, numbers and calendars (like textTrimKind) - I think it's the justification direction and the

pad char that vary per type, not whether to pad or not. I've also dropped the stuff about a length prefixed string being trimmed to a max length - we can re-instate in the appropriate place if needed - was that to do with ensuring you couldn't pass a string whose length could not be accommodated in the prefix type (because that's not how it was worded)."

### Refined proposal

Property Name	Description
textTrimKind	<p>Enum</p> <p>Valid values 'none', 'padChar'</p> <p>Indicates whether to trim data on input.</p> <p>'none': No trimming takes place</p> <p>'padChar': If lengthKind results in a fixed length then the padding character can be trimmed instead, as controlled by textStringJustification.</p> <p>Annotation: dfdl:element (simple type 'string')</p>
textPadKind	<p>Enum</p> <p>Valid values 'none', 'fixed', 'minimum'</p> <p>Indicates whether to pad data on output.</p> <p>'none': The string is expected to match the length, it is an error otherwise.</p> <p>'fixed': If lengthKind results in a fixed length then the data can be padded to the fixed length, as controlled by textStringJustification.</p> <p>'minimum': If lengthKind results in a fixed length then the data can be padded to the length given by dfdl:outputMinLength property, as controlled by textStringJustification.</p>

Property Name	Description
textStringJustification	<p>Enum</p> <p>Valid values 'left', 'right', 'center'</p> <p><b>Output:</b></p> <p>'left': Justifies to the left and adds padding chars to the string contents if the string is too short, to the length determined by the textPadKind property.</p> <p>'right': Justifies to the right and adds padding chars to the string contents if the string is too short, to the length determined by the textPadKind property.</p> <p>'center': Adds equal padding chars left and right of the string contents if the string is too short, to the length determined by the textPadKind property. It adds one extra padding char before if needed.</p> <p><b>Input:</b></p> <p>'left': Trims any padding characters from the right of the string, according to textTrimKind property.</p> <p>'right': Trims any padding characters from the left of the string, according to textTrimKind property.</p>

'center' Trims any padding characters from the left and right of the string, according to textTrimKind property.

[OMG/CAM property justification]

Annotation: dfdl:element (simple type 'string')

Similar for textNumberJustification and textCalendarJustification

## 2. Implicit Lengths

Decided to disallow zoned for Float and Double (**MB to confirm**)

Use numberPattern for all zoned lengths instead of fixed length implied by type

Simple type	text (+ xml)	binary	
String	Length/maxlength	n/a	
Float	Text: numberPattern (length of positive subpattern)	32	
Double	Text: numberPattern	64	
Decimal/Integer	Text: numberPattern Zoned:numberPattern	Pkd/bcd: (TotalDigits+1)/2	
Long, UnsignedLong	Text: numberPattern Zoned:numberPattern	binary: 64 Pkd/bcd: (TotalDigits+1)/2	
Int, Unsignedint	Text: numberPattern Zoned:numberPattern	binary: 32 Pkd/bcd: (TotalDigits+1)/2	
Short, Unsignedshort	Text: numberPattern Zoned:numberPattern	binary: 16 Pkd/bcd: (TotalDigits+1)/2	
Byte, Unsignedbyte	Text: numberPattern Zoned:numberPattern	binary: 8 Pkd/bcd: (TotalDigits+1)/2	
DateTime	Calendarpattern		
Date	Calendarpattern		
Time	Calendarpattern		
Duration	Calendarpattern		
Boolean	Length of textBooleanTrue	32	
HexBinary	n/a	Length/maxlength	

### 3. Zoned Decimal

Discussed whether zonedDecimalSignStyle should be moved out of numberFormat.  
Noticed that no option for specifying overpunching or not. (added to action 020)

Need more investigation of ICU behaviour.

### 4. AOB

Next call 17 December

**Meeting closed , 13:00 GMT**

### Create Action Items

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### Action Items and Other Meeting Documents

View: ResultDocs

### Actions raised at this meeting

No	Action


### Current Actions :

No	Action
003	AP: Update spec from WTX document 13/8: All resolved issues have been added to spec. Remaining unresolved items need discussion 10/9: Alan will pull out the remaining unresolved items and circulate for discussion next week 17/9: Doc distributed and partially discussed 15/10: All updates complete except minlength 22/10: No update 12/11: Updates have been sent to wtx to review. Will chase up for comments
012	AP/SH: Update decimalCalendarScheme 10/9: Not allocated yet 17/9: No update 24/9: Add calendar binary formats to actions 22/10: No progress
018	AP: Agree padding to minimum length 15/10: Needs documenting 22/10: No update 26/11: discussed and AP to suggest dfdl:minlength
020	SH: Resolve packedDecimalSignCodes behaviour depends on NumberCheckPolicy 22/10: No progress 10/12: added how to decide to overpunch and sign position
023	MB: Review Schema 1.1
024	String XML type
025	Escape schemes
026	SH: Envelopes and Payloads
027	Property precedence tables
028	Variable markup
029	valueCalc (output length calculation)

### Closed actions :


### 033 Work items:

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N o	Item	
001	String XML type (Ian P) - Apr 30, 2008	
002	Escape schemes (Ian P) - Apr 30, 2008	
003	Variables - ??, 2008 (Mike)	
004	Selectors <del>(Suman/Alan) - Apr 30, 2008</del>	complete
005	Improvements on property descriptions - ??, 2008 (All - split TBD)	
006	Envelopes and Payloads (Steve) - Apr 30, 2008	
007	(from draft 32) valueCalc (Mike) - ??, 2008	mostly complete
008	(from draft 32) Property precedence for writing (Steve) -	under review
009	(from draft 32) Variable markup (Steve) - Mar 31, 2008	proposal needs writing up
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011	(from draft 32) How speculative parsing works (combining choice and variable-occurrence - currently these are separate) ??, 2008 (IBM)	in progress
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013	<del>(from F2F) New scoping rules</del>	complete
014	<del>(from F2F) Occurs, OccurSeparator changes</del>	complete
015	(from F2F) choices and Output (Mike)	
016	<del>(from F2F) xpath forward references (Alan)</del>	complete
017	<del>(IBM WTX review) Minor agreed updates (Alan)</del>	complete

018	(IBM WTX review) Review generateNewLine (Alan)–	complete
020	(IBM WTX review) Special value for zero seen eg 'zero'. (Steve)–	complete
021	(IBM WTX review) 'EndOfData' changes (Alan)	complete
022	(IBM WTX review) Unresolvable choices – infoset changes–	complete
023	(IBM WTX review) separatorKind='prefix' 'infix' or 'postfix'–	complete
024	(IBM WTX review) StopValue clarification (Alan)–	complete
025	Augmented infoset and unparsing (Alan)	added but needs work
026	Hidden changes	complete
027	Add decimal supp to main spec–	complete
028	Remove extended floats –	complete
029	AP: enum + expression wording–	complete
030	All: Document new EndOfData changes–	complete
031	AP: Document defineTextNumber etc–	complete
032	AP: Document textNumberRepresentenation and binaryNumberRepresentation–	complete

complete - specification updated

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## Meeting about Meetings\OGF

Project	DFDL 1.0
Meeting Date	03-Dec-08 (Wed)
Meeting Time	14:00 - 15:00

Created by Alan Powell on 05-Dec-08

Last Modified by Alan Powell on 05-Dec-08

## OGF DFDL Working Group Call , December- 03-2008

### Agenda

**Prepare** for your meeting by describing the objectives (both immediate and long-term, if appropriate) of the meeting; and describe key plan details.

### Minutes

#### Meeting Minutes

**Reflect** on your meeting as you record all topics and issues discussed , and any tabled conversations. What went well, or what would you do differently next time? Document those so others can take advantage of your learning .

#### Open Grid Forum : Data Format Description Language Working Group

**Weekly Working Group Conference Call**  
**13:00 GMT, 03 December 2008**

#### Attendees

Steve Hanson (IBM)  
Alan Powell (IBM)

#### Appologies

Mike Beckerle(Oco)

#### 1. Padding to minlength

Discussion on best way to pad to minlength for non-string text representations

Decided to split textpadCharacter into textStringPadChar, textNumberPadChar and textCalendarPadChar so that different defaults can be set up for each type,

Decided that all the ICU pattern special characters should be allowed, in particular the padding character to allow padding after the sign or currency symbol. Normal dfdl padding will be applied after the pattern has been





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024	String XML type
025	Escape schemes
026	SH: Envelopes and Payloads
027	Property precedence tables
028	Variable markup
029	valueCalc (output length calculation)

**Closed actions :**


**033 Work items:**

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005	Improvements on property descriptions - ??, 2008 (All - split TBD)	
006	Envelopes and Payloads (Steve) - Apr 30, 2008	
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0		
0	(IBM WTX review) 'EndOfData' changes (Alan)	complete
2		
1		
0	(IBM WTX review) Unresolvable choices -- infoSet changes --	complete
2		
2		
0	(IBM WTX review) separatorKind='prefix' 'infix' or 'postfix' --	complete
2		
3		
0	(IBM WTX review) StopValue clarification (Alan) --	complete
2		
4		
0	Augmented infoSet and unparsing (Alan)	added but needs work
2		
5		
0	Hidden changes	complete
2		
6		
0	Add decimal supp to main spec --	complete
2		
7		
0	Remove extended floats --	complete
2		
8		
0	AP: enum + expression wording --	complete
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0	All: Document new EndOfData changes --	complete
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0	AP: Document defineTextNumber etc --	complete
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1		
0	AP: Document textNumberRepresentation and binaryNumberRepresentation --	complete
3		
2		

complete - specification updated

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## Meeting about Meetings\OGF

Project	DFDL 1.0
Meeting Date	26-Nov-08 (Wed)
Meeting Time	14:00 - 15:00

Created by Alan Powell on 26-Nov-08

Last Modified by Alan Powell on 26-Nov-08

## OGF DFDL Working Group Call , November-26-2008

### Agenda

**Prepare** for your meeting by describing the objectives (both immediate and long-term, if appropriate) of the meeting; and describe key plan details.

### Minutes

#### Meeting Minutes

**Reflect** on your meeting as you record all topics and issues discussed , and any tabled conversations. What went well, or what would you do differently next time? Document those so others can take advantage of your learning .

#### Open Grid Forum : Data Format Description Language Working Group

#### Weekly Working Group Conference Call 13:00 GMT, 26 November 2008

#### Attendees

Steve Hanson (IBM)  
Mike Beckerle(Oco)  
Alan Powell (IBM)

#### 1. Moving to XSD 1.1 as base for DFDL

Continued discussion on benefit of moving to XSD 1.1

Discussed XSD assert and XPATH  
Restrictions

- Only on complex types
- Path steps are restricted to only match information items within the element being [:assessed](#).

Decided XSD 1.1 assert cannot replace dfdl:assert as it occurs in more places and has more function  
Decided not to rename dfdl:assert even though it is similar to xsd:assert as it properly describes function

XSD 1.1 assert is for validation only and has no effect on dfdl parsing and unparsing.

MB to investigate whether dfdl variables can be used to allow dfdl xpath paths to be restricted in the same way as XDS 1.1 as part of the existing variable action item.

## 2. Action Items / Work Items.

Actions

003/018 padding to minlength - discussed WTX response and AP to investigate adding dfdl:minlength

Work items

013 Scoping rules. Reviewed current description in spec and agreed section on overriding should be deleted.

## 3. AOB

Next call 3 December

**Meeting closed , 13:15 GMT**

### Create Action Items

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View: ResultDocs

### Actions raised at this meeting

No	Action



### 033 Work items:

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6		
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complete - specification updated

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## Meeting about Meetings\OGF

Project	DFDL 1.0
Meeting Date	19-Nov-08 (Wed)
Meeting Time	14:00 - 15:00

Created by Alan Powell on 19-Nov-08

Last Modified by Alan Powell on 19-Nov-08

## OGF DFDL Working Group Call , November-19-2008

### Agenda

**Prepare** for your meeting by describing the objectives (both immediate and long-term, if appropriate) of the meeting; and describe key plan details.

### Minutes

#### Meeting Minutes

**Reflect** on your meeting as you record all topics and issues discussed , and any tabled conversations. What went well, or what would you do differently next time? Document those so others can take advantage of your learning .

#### Open Grid Forum : Data Format Description Language Working Group

#### Weekly Working Group Conference Call 13:00 GMT, 19 November 2008

#### Attendees

Steve Hanson (IBM)  
Mike Beckerle(Oco)  
Alan Powell (IBM)

#### 1. Moving to XSD 1.1 as base for DFDL

Went through MB email of 12/11/08 [DFDL-WG] XML Schema 1.1 implications for DFDL

Agreed the following warranted further investigation

- open content
- Wildcard Element Name Namespace Flexibility - needs clarification of use in dfdl
- Xsd:all groups - as a replacement for unordered groups
- XPath Usage
- Type Tables and Alternative Conditional Types
- xsd:override

- support primitive datatypes and facets beyond those defined in [\[XML Schema: Datatypes\]](#)

## 5. Action Items / Work Items.

Didn't go through actions.

Agree a new version of the spec would be issued at the end of November and all included work items would be highlighted in work item table

## 6. AOB

Next call 26 November

**Meeting closed , 13:10 GMT**

## Create Action Items

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## Action Items and Other Meeting Documents

View: ResultDocs

## Actions raised at this meeting

No	Action


### Current Actions :

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020	SH: Resolve packedDecimalSignCodes behaviour depends on NumberCheckPolicy 22/10: No progress
023	MB: Review Schema 1.1
024	String XML type
025	Escape schemes
026	SH: Envelopes and Payloads
027	Property precedence tables
028	Variable markup
029	valueCalc (output length calculation)

### Closed actions :


### 033 Work items:

No	Item
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007	(from draft 32) valueCalc (Mike) - ??, 2008 <b>*Mostly complete*</b>
008	(from draft 32) Property precedence for writing (Steve) - <b>*complete but under review*</b>
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016	(from F2F) xpath forward references (Alan) <b>*complete*</b>
017	(IBM WTX review) Minor agreed updates (Alan) <b>*complete*</b>
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## Meeting about Meetings\OGF

Project	DFDL 1.0
Meeting Date	12-Nov-08 (Wed)
Meeting Time	14:00 - 15:00

Created by Alan Powell on 14-Nov-08

Last Modified by Alan Powell on 14-Nov-08

## OGF DFDL Working Group Call , November-12-2008

### Agenda

**Prepare** for your meeting by describing the objectives (both immediate and long-term, if appropriate) of the meeting; and describe key plan details.

### Minutes

#### Meeting Minutes

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#### Open Grid Forum : Data Format Description Language Working Group

#### Weekly Working Group Conference Call 13:00 GMT, 12 November 2008

#### Attendees

Steve Hanson (IBM)  
Mike Beckerle(Oco)  
Alan Powell (IBM)

#### 1. Schema Component Designator specification changes .

DFDL currently uses as part of the infoset to point to schema item associated with infoset item . Sandy Gao had alerted us to some changes in the SCD spec. MB reviewed these changes and concluded that the changes removed some limitations an so DFDL could now just reference the SCD spec without caveats .

#### 2. Selectors

Discussed Suman's comment on last call's decision on selectors. Reconfirmed the decision

#### 3. Moving to XSD 1.1 as base for DFDL

MB has done an initial review of the XSD 1.1 changes and identified some new features that might be used instead of DFDL extensions. Such as Alternative types instead of selectors and xpath instead of DFDL expression language. MB to review further.

#### 4. Multi-level semantics .

Discussed why schema had use this style and concluded it was not necessary for DFDL as we could build on the schema work.

In passing noted the need to standard for examples in the dfdl spec for showing scoped properties

Subsequent MB email

In the DFDL spec., the problem exists of how to express the behavior of a construct in the situation where there are properties in scope surrounding the construct.

I believe this kind of syntax can be used in the spec. to make clear the implications of scope:

```
Properties in scope: lengthKind="implicit"
                      representation="text"
<sequence dfdl:separator="," dfdl:terminator=";"
          dfdl:lengthKind="delimited">    // these are local
    <element name="f1" type="string" />
    <element name="f2" type="string" />
</sequence>
```

I would suggest the above syntax for the DFDL spec as a way to discuss property semantics. The only way properties can get in scope is by way of an enclosing complexType definition; but using that syntax explicitly begs the question of whether one means true lexical enclosure, can there be other enclosing complexTypes also, etc. The above style eliminates these issues.

#### 5. Action Items / Work Items .

Went through actions. Updated below

Inactive work items moved to action items

#### 6. AOB

Next call 18 November

**Meeting closed , 13:10 GMT**

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	22/10: No progress
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<b>023</b>	MB: Review Schema 1.1

### Closed actions :

<b>004</b>	MB: Mike will also author a new section in response to comments from Sandy Gao and Suman Kalia, explicitly connecting syntax with DFDL semantics 16/7: no progress 10/9: Mike not convinced this is necessary. Steve to talk to Sandy to see if it is needed for any IBM implementation that extends the existing XML parsing framework 15/10: SH to talk to Sandy 22/10: SH needs reminding of what this issue is about 12/11: Decided not needed. <b>Closed</b>
<b>007</b>	AP: enum + expression wording 13/8: no progress 10/9: No update 17/9: No update 22/10: No update 12/11: converted to work item
<b>014</b>	SH: Use cases for lengthKind pattern on binary fields. 10/9: Not done 17/9: No update 22/10: SH not sure he can provide a concrete use case 12/11: SH had identified need for pattern of complex structures with binary content which already included. Decided to allow patterns on simple binary fields for symmetry. Closed
<b>016</b>	AP: Add hidden changes to spec 22/10: No update 12/11: converted to work item
<b>017</b>	All: Review EndOfData changes 22/10: SH response mailed to Mike 5/11: Discussed on call and design agreed 12/11: converted to work item
<b>019</b>	AP: Document defineTextNumber etc 22/10: No update 12/11: converted to work item
<b>021</b>	AP: Document textNumberRepresentation and binaryNumberRepresentation 22/10: No update 12/11: converted to work item
<b>022</b>	SH: Talk to Sandy Gao to assess use of schema 1.1 22/10: Mail sent to Sandy 12/11: track as action 023

### 033 Work items:

No	Item
<b>001</b>	String XML type (Ian P) - Apr 30, 2008

002	Escape schemes (Ian P) - Apr 30, 2008
003	Variables - ??, 2008 (Mike)
004	Selectors (Suman/Alan) - Apr 30, 2008
005	Improvements on property descriptions - ??, 2008 (All - split TBD)
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007	(from draft 32) valueCalc (Mike) - ??, 2008 <b>*Mostly complete*</b>
008	(from draft 32) Property precedence for writing (Steve) - <b>*complete but under review*</b>
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012	(from draft 32) Reordering the properties discussion: move representation earlier, improve flow of topics ??, 2008 (Alan) <b>* not started *</b>
013	(from F2F) New scoping rules
014	(from F2F) Occurs, OccurSeparator changes
015	(from F2F) choices and Output (Mike)
016	(from F2F) xpath forward references (Alan) <b>*complete*</b>
017	(IBM WTX review) Minor agreed updates (Alan) <b>*complete*</b>
018	(IBM WTX review) Review generateNewLine (Alan) <b>*complete*</b>
020	(IBM WTX review) Special value for zero seen eg 'zero'. (Steve)
021	(IBM WTX review) 'EndOfData' changes (Alan)
022	(IBM WTX review) Unresolvable choices - infoSet changes <b>*complete*</b>
023	(IBM WTX review) separatorKind='prefix' 'infix' or 'postfix' (Alan)
024	(IBM WTX review) StopValue clarification (Alan)
025	Augmented infoSet and unparsing (Alan)
026	Hidden changes
027	Add decimal supp to main spec
028	Remove extended floats
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030	AP: Add hidden changes to spec
031	All: Document EndOfData changes
032	AP: Document defineTextNumber etc
032	AP: Document textNumberRepresentation and binaryNumberRepresentation

# TeamRoom Plus

IBM TeamRoom

This OPEN document will not be filed. It is being kept active.

## Meeting about Meetings\OGF

Project	DFDL 1.0
Meeting Date	05-Nov-08 (Wed)
Meeting Time	14:00 - 15:00

Created by Alan Powell on 06-Nov-08

Last Modified by Alan Powell on 06-Nov-08

## OGF DFDL Working Group Call , November-05-2008

### Agenda

**Prepare** for your meeting by describing the objectives (both immediate and long-term, if appropriate) of the meeting; and describe key plan details.

### Minutes

#### Meeting Minutes

**Reflect** on your meeting as you record all topics and issues discussed , and any tabled conversations. What went well, or what would you do differently next time? Document those so others can take advantage of your learning .

#### Open Grid Forum : Data Format Description Language Working Group

#### Weekly Working Group Conference Call 13:00 GMT, 5 November 2008

#### Attendees

Steve Hanson (IBM)  
Mike Beckerle(Oco)  
Alan Powell (IBM)

#### 1. End Of Parent

Discussed last proposal and subsequent emails.

Decided:

Only last element in a sequence can have lengthKind=EndOfParent

Sequence can also have lengthKind=EndOfParent - means take length from parent sequence.

LengthKind=endOfParent on outermost sequence means end of data stream. So for the last field in a definition to extend to the end of the data stream the element has lengthKind="endOfParent" and the enclosing sequence, and all parent sequences including outermost also have lengthKind="endOfParent"

Examples

### 1. Last element to end of data stream

```
<xsd:sequence>
  <xsd:annotation>
    <xsd:appinfo source="http://www.ogf.org/dfdl/">
      <dfdl:format lengthKind="endOfParent" />
    </xsd:appinfo>
  </xsd:annotation>

  <xs:element name="mandt" type="xsd:string"/>
    <xsd:annotation>
      <xsd:appinfo source="http://www.ogf.org/dfdl/">
        <dfdl:format lengthKind="explicit" length="3"/>
      </xsd:appinfo>
    </xsd:annotation>
  </xsd:element>
  ....
  <xs:element name="last" type="xsd:string"/>
    <xsd:annotation>
      <xsd:appinfo source="http://www.ogf.org/dfdl/">
        <dfdl:format lengthKind="endOfParent"/>
      </xsd:appinfo>
    </xsd:annotation>
  </xsd:element>
</xsd:sequence>
```

### 2. last element to fixed length container

```
<xsd:sequence>
  <xsd:annotation>
    <xsd:appinfo source="http://www.ogf.org/dfdl/">
      <dfdl:format lengthKind="explicit" length="100" />
    </xsd:appinfo>
  </xsd:annotation>

  <xs:element name="mandt" type="xsd:string"/>
    <xsd:annotation>
      <xsd:appinfo source="http://www.ogf.org/dfdl/">
        <dfdl:format lengthKind="explicit" length="3"/>
      </xsd:appinfo>
    </xsd:annotation>
  </xsd:element>
  ....
  <xs:element name="last" type="xsd:string"/>
    <xsd:annotation>
      <xsd:appinfo source="http://www.ogf.org/dfdl/">
        <dfdl:format lengthKind="endOfParent"/>
      </xsd:appinfo>
    </xsd:annotation>
  </xsd:element>
</xsd:sequence>
```

### 3. last element to container terminator

```
<xsd:sequence>
  <xsd:annotation>
    <xsd:appinfo source="http://www.ogf.org/dfdl/">
      <dfdl:format lengthKind="delimited" terminator="$" />
    </xsd:appinfo>
```

```

</xsd:annotation>

<xs:element name="mandt" type="xsd:string"/>
  <xsd:annotation>
    <xsd:appinfo source="http://www.ogf.org/dfdl/">
      <dfdl:format lengthKind="explicit" length="3"/>
    </xsd:appinfo>
  </xsd:annotation>
</xsd:element>
....
<xs:element name="last" type="xsd:string"/>
  <xsd:annotation>
    <xsd:appinfo source="http://www.ogf.org/dfdl/">
      <dfdl:format lengthKind="endOfParent"/>
    </xsd:appinfo>
  </xsd:annotation>
</xsd:element>
</xsd:sequence>

```

*Isn't this the same as "last " with lengthKind = "delimited"?*

## 2. Selectors

Discussed Suman's suggestion from last weeks call.

- If a selector is supplied, then only dfdl:format blocks matching that selector are used
- If a selector is not supplied, then only dfdl:format blocks without a selector are used

Decided this is too restrictive as it requires a format block for each selector on every item even if they define the same properties so stayed with previous decision

- If selector is supplied and matches one of the dfdl:format blocks then that block is used.
- Otherwise the dfdl:format block with no selector is used.

Reiterated that selectors are qnames.

## 3. Moving to XSD 1.1 as base for DFDL

Benfits:

Can use xsd:all instead of introducing unordered sequences.  
weakened wildcard rules.

Agreed in principle. MB to investigate to look at the other changes in Schema 1.1 to check effect on other dfdl functions and restrictions

## 4. Not dicussed

SCD spec changes  
Multi-level semntics

## 2. AOB

Next call 12 November

**Meeting closed , 13:10 GMT**

## Create Action Items

Record the to-do's and individuals assigned by entering the appropriate information in the form below . Press the "Create

Action Items" button to create specific to do's that can be tracked in the assignee's Work for Me views. " All Action Items will be tracked in the Action Items and Other Meeting Documents tab .

## Action Items and Other Meeting Documents

View: ResultDocs

### Actions raised at this meeting

No	Action
023	MB: Review Schema 1.1

### Current Actions :

No	Action
003	AP: Update spec from WTX document 13/8: All resolved issues have been added to spec. Remaining unresolved items need discussion 10/9: Alan will pull out the remaining unresolved items and circulate for discussion next week 17/9: Doc distributed and partially discussed 15/10: All updates complete except minlength 22/10: No update
004	MB: Mike will also author a new section in response to comments from Sandy Gao and Suman Kalia, explicitly connecting syntax with DFDL semantics 16/7: no progress 10/9: Mike not convinced this is necessary. Steve to talk to Sandy to see if it is needed for any IBM implementation that extends the existing XML parsing framework 15/10: SH to talk to Sandy

	22/10: SH needs reminding of what this issue is about
007	AP: enum + expression wording 13/8: no progress 10/9: No update 17/9: No update 22/10: No update
012	AP/SH: Update decimalCalendarScheme 10/9: Not allocated yet 17/9: No update 24/9: Add calendar binary formats to actions 22/10: No progress
014	SH: Use cases for lengthKind pattern on binary fields. 10/9: Not done 17/9: No update 22/10: SH not sure he can provide a concrete use case
016	AP: Add hidden changes to spec 22/10: No update
017	All: Review EndOfData changes 22/10: SH response mailed to Mike
018	AP: Agree padding to minimum length 15/10: Needs documenting 22/10: No update
019	AP: Document defineTextNumber etc 22/10: No update
020	SH: Resolve packedDecimalSignCodes behaviour depends on NumberCheckPolicy 22/10: No progress
021	AP: Document textNumberRepresentation and binaryNumberRepresentation 22/10: No update
022	SH: Talk to Sandy Gao to assess use of schema 1.1 22/10: Mail sent to Sandy

#### Closed actions :


#### 033 Work items:

No	Item
001	String XML type (Ian P) - Apr 30, 2008
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013	(from F2F) New scoping rules
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016	(from F2F) xpath forward references (Alan) * <b>complete</b> *
017	(IBM WTX review) Minor agreed updates (Alan) * <b>complete</b> *
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026	Hidden changes
027	Add decimal supp to main spec
028	Remove extended floats



# TeamRoom Plus

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## Meeting about Meetings\OGF

Project	DFDL 1.0
Meeting Date	15-Oct-08 (Wed)
Meeting Time	14:00 - 14:45

Created by Alan Powell on 15-Oct-08

Last Modified by Alan Powell on 15-Oct-08

## OGF DFDL Working Group Call , October-15-2008

### Agenda

**Prepare** for your meeting by describing the objectives (both immediate and long-term, if appropriate) of the meeting; and describe key plan details.

### Minutes

#### Meeting Minutes

**Reflect** on your meeting as you record all topics and issues discussed , and any tabled conversations. What went well, or what would you do differently next time? Document those so others can take advantage of your learning .

#### Open Grid Forum : Data Format Description Language Working Group

**Weekly Working Group Conference Call**  
**13:00 GMT, 15 October 2008**

#### Attendees

Mike Beckerle (Oco)  
Alan Powell (IBM)

#### Apologies

Steve Hanson (IBM)

#### 1. Decimal Supplement

MB had reviewed last weeks proposal. Did not like scoping rules which are different from normal scoping rules . Agreed to not allow in-line syntax so no need for scoping rules .

#### 2.Unordered Choice info set order

Previous call had decided infoset should be in order of data. SH pointed out that validation will fail unless sequenced data is in schema order. Agreed to change back to schema order. Document that data order can be achieved using an array of choice.

Discussed changing to Schema 1.1 for updated syntax of xs:all which provides required syntax. Felt that it was too late to change now but IBM will talk to Sandy Gao to assess impact.

### 3. Selectors

Discussed SKK's note and SH reply.

Suggest simple syntax where ONE of the format statement on an item is used. Format which matching the selector will be used otherwise if NONE of the format selectors match, the format with NO selector specified will be used.

To be consistent only ONE format statement will be allowed in a defineFormat.

### 4. Padding

Agreed to restrict padding to string text variable length with minlength facet. No need for an extra property.

### 4. AOB

Will discuss End of Data next week

Next call 22nd Oct

AP will be away for the next 2 weeks.

**Meeting closed , 13:45 GMT**

### Create Action Items

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# TeamRoom Plus

IBM TeamRoom

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## Meeting about Meetings\OGF

Project	DFDL 1.0
Meeting Date	15-Oct-08 (Wed)
Meeting Time	14:00 - 14:45

Created by Alan Powell on 15-Oct-08

Last Modified by Alan Powell on 15-Oct-08

## OGF DFDL Working Group Call , October-15-2008

### Agenda

**Prepare** for your meeting by describing the objectives (both immediate and long-term, if appropriate) of the meeting; and describe key plan details.

### Minutes

#### Meeting Minutes

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#### Open Grid Forum : Data Format Description Language Working Group

#### Weekly Working Group Conference Call

13:00 GMT, 15 October 2008

#### Attendees

Mike Beckerle (Oco)

Alan Powell (IBM)

#### Apologies

Steve Hanson (IBM)

#### 1. Decimal Supplement

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To be consistent only ONE format statement will be allowed in a defineFormat.

### 4. Padding

Agreed to restrict padding to string text variable length with minlength facet. No need for an extra property.

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# TeamRoom Plus

IBM TeamRoom

This OPEN document will not be filed. It is being kept active.

## Meeting about Meetings\OGF

Project	DFDL 1.0
Meeting Date	08-Oct-08 (Wed)
Meeting Time	13:00 - 14:00

Created by Alan Powell on 08-Oct-08

Last Modified by Alan Powell on 15-Oct-08

## OGF DFDL Working Group Call , October-08-2008

### Agenda

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### Minutes

#### Meeting Minutes

**Reflect** on your meeting as you record all topics and issues discussed , and any tabled conversations. What went well, or what would you do differently next time? Document those so others can take advantage of your learning .

#### Open Grid Forum : Data Format Description Language Working Group

#### Weekly Working Group Conference Call

13:00 GMT, 08 October 2008

#### Attendees

Steve Hanson (IBM)

Alan Powell (IBM)

#### Apologies

Mike Beckerle (Oco)

#### 1. Decimal Supplement

Previous decimal discussions had not covered syntax for `defineTextNumberFormat` and `textNumberformat`.

Based on `defineFormat/Format` pattern

**`defineTextNumberFormat`** annotation defines a named reusable number format

```
<dfdl:defineTextNumberFormat name ="myNumFormat">
```

```

    <dfdl:textNumberFormat decimalseparator="." />
  </dfdl:defineTextNumberFormat >

```

Note: does not have baseFormat= as nesting not required.

**textNumberFormat** annotation contains the properties that define the numberformat.

```

    <dfdl:textNumberFormat decimalseparator = "." />

```

**textNumberFormatReference** references a defineTextNumberFormat from an element declaration.

```

<xs:element name="foo" type="xs:int" >
  <xs:annotation><xs:appinfo source="http://www.ogf.org/dfdl/">
    <dfdl:format representation="text"
      numberFormat="text"
      textNumberFormatReference="myNumFormat"/>
  </xs:appinfo></xs:annotation>
</xs:element>

```

and has normal short and long form

```

    <dfdl:textNumberFormatReference="myNumFormat"
  </dfdl:property name=textNumberFormatReference > "myNumFormat" </dfdl:property>

```

Note: we decide not to follow the defineFormat/Format pattern of having the reference on the textNumberFormat

as this wouldn't have allowed a short form and the normal form would be verbose.

```

    <dfdl:format representation="text"
      numberFormat="text" >
      <dfdl:textNumberFormat ref="myNumFormat" />
    </dfdl:format>

```

As an extension **textNumberFormat** can also be in-line

```

<xs:element name="foo" type="xs:int" >
  <xs:annotation><xs:appinfo source="http://www.ogf.org/dfdl/">
    <dfdl:format representation="text"
      numberFormat="text" >
      <dfdl:textNumberFormat
        pattern='####'
        decimalseparator="." />
    </dfdl:format>
  </xs:appinfo></xs:annotation>
</xs:element>

```

### Scoping:

1. In-line numberFormats override any textNumberFormatRefernce on the element or in scope.
2. The textNumberFormat is considered as a single scheme and is overridden as a whole. Properties within textNumberFormat cannot be overridden separately

## 2. packedDecimalSignCodes

packedDecimalSignCodes behaviour depends on NumberCheckPolicy but NumberCheckPolicy is defined in

textNumberFormat which isn't applicable to binary numbers

### 3. NumberFormat

Decided to split NumberFormat into textNumberRepresentation (text, zoned) and binaryNumberRepresentation(binary, bcd, packed) so there is a simple property decision tree based off representation

### 4. AOB

Will discuss End of Data next week

Next call 15st Oct

**Meeting closed , 14:05 GMT**

### Create Action Items

Record the to-do's and individuals assigned by entering the appropriate information in the form below . Press the "Create Action Items" button to create specific to do's that can be tracked in the assignee's Work for Me views. " All Action Items will be tracked in the Action Items and Other Meeting Documents tab .

### Action Items and Other Meeting Documents

View: ResultDocs

### Actions raised at this meeting

No	Action
019	AP: document defineTextNumber etc
020	SH: resolve packedDecimalSignCodes behaviour depends on NumberCheckPolicy

**Current Actions :**

No	Action
003	AP: Update spec from WTX document 13/8: All resolved issues have been added to spec. Remaining unresolved items need discussion 10/9: Alan will pull out the remaining unresolved items and circulate for discussion next week 17/9: Doc distributed and partially discussed
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011	SH: Update decimal supplement 13/8: Editorial changes needed. 10/9: Alan to incorporate into main spec 17/9: No update
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013	MB: Description and use cases for EndOfData syntax 10/9: Steve didn't receive this mail, he now has and will review
014	SH: Use cases for lengthKind pattern on binary fields. 10/9: Not done 17/9: No update
015	AP: removed extended floats 10/9: No update 17/9: No update
016	AP: add hidden changes to spec
017	All: Review EndOfData changes
018	AP: Agree padding to minimum length

**033 Work items:**

No	Item
001	String XML type (Ian P) - Apr 30, 2008
002	Escape schemes (Ian P) - Apr 30, 2008
003	Variables - ??, 2008 (Mike)
004	Selectors (Suman) - Apr 30, 2008

005	Improvements on property descriptions - <a href="#">??, 2008</a> (All - split TBD)
006	Envelopes and Payloads ( <a href="#">Steve</a> ) - <a href="#">Apr 30, 2008</a>
007	(from draft 32) valueCalc ( <a href="#">Mike</a> ) - <a href="#">??, 2008</a> <b>*Mostly complete*</b>
008	(from draft 32) Property precedence for writing ( <a href="#">Steve</a> ) - <b>*complete but under review*</b>
009	(from draft 32) Variable markup ( <a href="#">Steve</a> ) - <a href="#">Mar 31, 2008</a> <b>*proposal needs writing up*</b>
010	(from draft 32) Assertions, discriminators and choice, including discussion of timing option ( <a href="#">Suman</a> ) - <a href="#">Mar 31, 2008</a> <b>* in progress *</b>
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012	(from draft 32) Reordering the properties discussion: move representation earlier, improve flow of topics <a href="#">??, 2008</a> ( <a href="#">Alan</a> ) <b>* not started *</b>
013	(from F2F) New scoping rules
014	(from F2F) Occurs, OccurSeparator changes
015	(from F2F) choices and Output ( <a href="#">Mike</a> )
016	(from F2F) xpath forward references ( <a href="#">Alan</a> ) <b>*complete*</b>
017	(IBM WTX review) Minor agreed updates ( <a href="#">Alan</a> ) <b>*complete*</b>
018	(IBM WTX review) Review generateNewLine ( <a href="#">Alan</a> ) <b>*complete*</b>
020	(IBM WTX review) <a href="#">Special value for zero seen eg 'zero'</a> . ( <a href="#">Steve</a> )
021	(IBM WTX review) 'EndOfData' changes ( <a href="#">Alan</a> )
022	(IBM WTX review) Unresolvable choices - infoSet changes <b>*complete*</b>
023	(IBM WTX review) separatorKind='prefix' 'infix' or 'postfix' ( <a href="#">Alan</a> )
024	(IBM WTX review) StopValue clarification ( <a href="#">Alan</a> )
025	Augmented infoSet and unparsing ( <a href="#">Alan</a> )

# TeamRoom Plus

IBM TeamRoom

This OPEN document will not be filed. It is being kept active.

## Meeting about Meetings\OGF

Project	DFDL 1.0
Meeting Date	24-Sep-08 (Wed)
Meeting Time	13:00 - 14:00

Created by Alan Powell on 24-Sep-08

Last Modified by Alan Powell on 15-Oct-08

## OGF DFDL Working Group Call , September-24-2008

### Agenda

**Prepare** for your meeting by describing the objectives (both immediate and long-term, if appropriate) of the meeting; and describe key plan details.

### Minutes

#### Meeting Minutes

**Reflect** on your meeting as you record all topics and issues discussed , and any tabled conversations. What went well, or what would you do differently next time? Document those so others can take advantage of your learning .

#### Open Grid Forum : Data Format Description Language Working Group

#### Weekly Working Group Conference Call

13:00 GMT, 24 September 2008

#### Attendees

Mike Beckerle (Oco)

Alan Powell (IBM)

#### Apologies

Steve Hanson (IBM)

#### 1. Physical to Logical type conversions .

Discussed table distributed by AP

Simple type	text (+ xml)	binary	
String		n/a	
Float	??	<b>FloatFormat:</b> IEEE, IBM390Hex	
		<b>FloatFormat:</b>	



Double	??	IEEE, IBM390Hex	
Decimal/Integer	<b>NumberFormat:</b> text, zoned	<b>NumberFormat:</b> packed, BCD	
Long, Int, Short, Byte,	<b>NumberFormat:</b> text, zoned	<b>NumberFormat:</b> packed, BCD, <del>twosComplement,</del> binary	
UnsignedLong, Unsignedint, Unsignedshort, Unsignedbyte	<b>NumberFormat:</b> text, <del>zoned</del>	<b>NumberFormat:</b> packed, BCD, binary	
DateTime			
Date			
Time			
Duration			
Boolean			
HexBinary			

Agreed to keep FloatFormat rather than FloatBinaryFormat and not to have NumberTextFormat and NumberBinaryFormat. Reduces the number of properties.

No need to add text to floatFormat

Add NumberFormat Binary to do the 'normal' cases ie twoscomplement for signed types and unsigned binary for unsigned types. Remove twoscomplement. Can add other signed formats like onescomplement later when supported

Keep zoned for unsigned text even though it will produce the same output as text but it also limits the allowable NumberPattern.

Remove BCD from Long etc

Need to investigate calendar/date text and binary formats. Add to existing action

## 2. WTX unresolved items .

Last weeks decisions:

3,4 agreed to drop textCharacterSize and DBCSOnly from dfdl V1

7 Padding; deferred pending proposal from IBM (WTX)

9 Add zeroRequiredOnInput to meet WTX requirement - resolved

17 finalTerminatorCanBeMissing, finalPostFixSeparatorCanBeMissing.

Agreed to drop these properties and change the default syntax of terminator and postFixSeparator to be optional on parsing the last element of a sequence but always written on unparsing.

Continued this weeks:

20 unordered sequence does not necessarily need initiator, speculative parsing can work it out too.

Discussed relaxing initiator restriction and infoSet order

Decided to add enum unorderedInitiated to sequenceKind for unordered initiated item and change unordered to be resolved by speculative parsing

sequenceKind	<p>Enum</p> <p>Valid values are "ordered", "unordered" "unorderedInitiated"</p> <p>This property cannot have an expression used to compute its value.</p> <p>When "ordered", this property means that the contained items of the sequence will be encountered in the same order that they appear in the schema, which is called schema-definition-order.</p> <p>When "unordered", this property means that the items of the sequence will be encountered in any order.</p> <p>When "unorderedInitiated", this property means that the items of the sequence will be encountered in any order, but each item must have an initiator</p> <p>Annotation: dfdl:sequence</p>
--------------	---

The infoSet order for unordered and unorderedInitiated is the order in the datastream.

#### 25. ChoiceKind fixed or variable

These are still needed. Decided to leave choiceKind as a single property but change fixed and variable longestLength and variableLength

#### 27 OccursKind for delimited arrays.

occurskind = delimited had been removed in error and will be put back.  
occurskind renamed to occursLengthKind

#### 7 padding

AP has done more investigation and main deficiency vs WTX is lack of support for pad to minimum length for variable length items. Agreed to add this. Will use minLength facet for strings and the number pattern for Text numbers.

### 4. AOB

Will discuss End of Data next week

Next call 1st Oct

**Meeting closed , 14:05 GMT**

#### Create Action Items

Record the to-do's and individuals assigned by entering the appropriate information in the form below . Press the "Create Action Items" button to create specific to do's that can be tracked in the assignee's Work for Me views. " All Action Items will be tracked in the Action Items and Other Meeting Documents tab .

#### Action Items and Other Meeting Documents

View: ResultDocs

### Actions raised at this meeting

No	Action

### Current Actions :

No	Action
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	10/9: No update 17/9: No update
011	SH: Update decimal supplement 13/8: Editorial changes needed. 10/9: Alan to incorporate into main spec 17/9: No update
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016	AP: add hidden changes to spec
017	All: Review EndOfData changes

### 033 Work items:

No	Item
001	String XML type (Ian P) - Apr 30, 2008
002	Escape schemes (Ian P) - Apr 30, 2008
003	Variables - ?, 2008 (Mike)
004	Selectors (Suman) - Apr 30, 2008
005	Improvements on property descriptions - ?, 2008 (All - split TBD)
006	Envelopes and Payloads (Steve) - Apr 30, 2008
007	(from draft 32) valueCalc (Mike) - ?, 2008 <b>*Mostly complete*</b>
008	(from draft 32) Property precedence for writing (Steve) - <b>*complete but under review*</b>
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013	(from F2F) New scoping rules
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016	(from F2F) xpath forward references (Alan) <b>*complete*</b>
017	(IBM WTX review) Minor agreed updates (Alan) <b>*complete*</b>
018	(IBM WTX review) Review generateNewLine (Alan) <b>*complete*</b>
020	(IBM WTX review) Special value for zero seen eg 'zero'. (Steve)
021	(IBM WTX review) 'EndOfData' changes (Alan)
022	(IBM WTX review) Unresolvable choices - infoSet changes <b>*complete*</b>
023	(IBM WTX review) separatorKind='prefix' 'infix' or 'postfix' (Alan)

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# TeamRoom Plus

IBM TeamRoom

This OPEN document will not be filed. It is being kept active.

## Meeting about Meetings\OGF

Project	DFDL 1.0
Meeting Date	17-Sep-08 (Wed)
Meeting Time	14:00 - 17:00

Created by Alan Powell on 17-Sep-08

Last Modified by Alan Powell on 15-Oct-08

## OGF DFDL Working Group Call , September-17-2008

### Agenda

**Prepare** for your meeting by describing the objectives (both immediate and long-term, if appropriate) of the meeting; and describe key plan details.

### Minutes

#### Meeting Minutes

**Reflect** on your meeting as you record all topics and issues discussed , and any tabled conversations. What went well, or what would you do differently next time? Document those so others can take advantage of your learning .

#### Open Grid Forum : Data Format Description Language Working Group

#### Weekly Working Group Conference Call 13:00 GMT, 17 September 2008

#### Attendees

Mike Beckerle (Oco)  
Steve Hanson (IBM)  
Alan Powell (IBM)

#### 1. Visit actions

Actions updated below

#### 2. Hidden proposal

Agreed to adopt proposal for hidden element to be a reference to a group.  
Decided not to have dfdlHidden=true on referenced group/sequence be more composable.

#### 3. WTX unresolved items .

3,4 agreed to drop textCharacterSize and DBCSOnly from dfdl V1

7 Padding; deferred pending proposal from IBM (WTX)

9 Add zeroRequiredOnInput to meet WTX requirement - resolved

17 finalTerminatorCanBeMissing, finalPostFixSeparatorCanBeMissing.

Agreed to drop these properties and change the default syntax of terminator and postFixSeparator to be optional on parsing the last element of a sequence but always written on unparsing.

remaining items to be discussed on next call.

#### 4. AOB

Next call 24th Sept

**Meeting closed , 14:05 GMT**

#### Create Action Items

Record the to-do's and individuals assigned by entering the appropriate information in the form below . Press the "Create Action Items" button to create specific to do's that can be tracked in the assignee's Work for Me views. " All Action Items will be tracked in the Action Items and Other Meeting Documents tab .

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View: ResultDocs

#### Actions raised at this meeting

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**033 Work items:**

No	Item
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002	Escape schemes (Ian P) - Apr 30, 2008
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022	(IBM WTX review) Unresolvable choices - infoSet changes * <b>complete</b> *
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# TeamRoom Plus

IBM TeamRoom

This OPEN document will not be filed. It is being kept active.

## Meeting about Meetings\OGF

Project	DFDL 1.0
Meeting Date	10-Sep-08 (Wed)
Meeting Time	13:00 - 14:00

Created by Steve Hanson on 15-Aug-08

Last Modified by Steve Hanson on 15-Oct-08

## OGF DFDL Working Group Call , September-10-2008

### Agenda

**Prepare** for your meeting by describing the objectives (both immediate and long-term, if appropriate) of the meeting; and describe key plan details.

### Minutes

#### Meeting Minutes

**Reflect** on your meeting as you record all topics and issues discussed , and any tabled conversations. What went well, or what would you do differently next time? Document those so others can take advantage of your learning .

#### Open Grid Forum : Data Format Description Language Working Group

#### Weekly Working Group Conference Call

13:00 GMT, 10 September 2008

#### Attendees

Mike Beckerle (Oco)

Steve Hanson (IBM)

Apologies: Alan Powell (IBM)

#### 1. Visit actions

Actions updated below

#### 2. AOB

Next call 17th Sept

**Meeting closed , 13:40 GMT**

### Create Action Items

Record the to-do's and individuals assigned by entering the appropriate information in the form below . Press the "Create Action Items" button to create specific to do's that can be tracked in the assignee's Work for Me views. " All Action Items will be tracked in the Action Items and Other Meeting Documents tab .

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#### Actions raised at this meeting

No	Action

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# TeamRoom Plus

IBM TeamRoom

This OPEN document will not be filed. It is being kept active.

## Meeting about Meetings\OGF

Project	DFDL 1.0
Meeting Date	22-Oct-08 (Wed)
Meeting Time	14:00 - 15:00

Created by Steve Hanson on 15-Aug-08

Last Modified by Steve Hanson on 13-Jan-09

## OGF DFDL Working Group Call , October-22-2008

### Agenda

**Prepare** for your meeting by describing the objectives (both immediate and long-term, if appropriate) of the meeting; and describe key plan details.

### Minutes

#### Meeting Minutes

**Reflect** on your meeting as you record all topics and issues discussed , and any tabled conversations. What went well, or what would you do differently next time? Document those so others can take advantage of your learning .

#### Open Grid Forum : Data Format Description Language Working Group

#### Weekly Working Group Conference Call 13:00 GMT, 22 October 2008

#### Attendees

Steve Hanson (IBM), Suman Kalia (IBM)

Apologies: Alan Powell (IBM)

#### 1. Visit actions

Actions updated below

#### 2. Selectors

Suman suggested a tightening of the selector rules minuted from last call.

- If a selector is supplied , then only dfdl:format blocks matching that selector are used
- If a selector is not supplied, then only dfdl:format blocks without a selector are used

This might be too restrictive because for data with two physical formats, it forces the use of two DFDL format blocks everywhere. Take the following definition of a SAP IDoc, which has two physical formats, fixed length and delimited, but the logical structure is the same. I'd want my DFDL to use the selector to select a dfdl:format on the <sequence> but to pick up all the dfdl:formats on its children:

```

<xsd:complexType name="idoc">
  <xsd:annotation>
    <xsd:appinfo source="http://www.ogf.org/dfdl/">
      <dfdl:format lengthKind="explicit"/>
    </xsd:appinfo>
  </xsd:annotation>
  <xsd:sequence>
    <xsd:annotation>
      <xsd:appinfo source="http://www.ogf.org/dfdl/">
        <dfdl:format lengthKind="implicit" terminator="%CR%LF" selector="File" />
        <dfdl:format lengthKind="explicit" length="500" selector="ALE" />
      </xsd:appinfo>
    </xsd:annotation>
    <xs:element name="tabnam" type="xsd:string"/>
    <xsd:annotation>
      <xsd:appinfo source="http://www.ogf.org/dfdl/">
        <dfdl:format length="10"/>
      </xsd:appinfo>
    </xsd:annotation>
    </xsd:element>
    <xs:element name="mandt" type="xsd:string"/>
    <xsd:annotation>
      <xsd:appinfo source="http://www.ogf.org/dfdl/">
        <dfdl:format length="3"/>
      </xsd:appinfo>
    </xsd:annotation>
    </xsd:element>
    ....
    <xs:element name="last" type="xsd:string"/>
    <xsd:annotation>
      <xsd:appinfo source="http://www.ogf.org/dfdl/">
        <dfdl:format lengthKind="endOfData"/>
      </xsd:appinfo>
    </xsd:annotation>
    </xsd:element>
  </xsd:sequence>
</xsd:complexType>

```

## 2. AOB

Next call 29th Sept

**Meeting closed , 13:40 GMT**

### Create Action Items

Record the to-do's and individuals assigned by entering the appropriate information in the form below . Press the "Create Action Items" button to create specific to do's that can be tracked in the assignee's Work for Me views. " All Action Items will be tracked in the Action Items and Other Meeting Documents tab .

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No	Action

### Current Actions :

No	Action
<b>003</b>	AP: Update spec from WTX document 13/8: All resolved issues have been added to spec. Remaining unresolved items need discussion 10/9: Alan will pull out the remaining unresolved items and circulate for discussion next week 17/9: Doc distributed and partially discussed 15/10: All updates complete except minlength 22/10: No update
<b>004</b>	MB: Mike will also author a new section in response to comments from Sandy Gao and Suman Kalia, explicitly connecting syntax with DFDL semantics 16/7: no progress 10/9: Mike not convinced this is necessary. Steve to talk to Sandy to see if it is needed for any IBM implementation that extends the existing XML parsing framework 15/10: SH to talk to Sandy 22/10: SH needs reminding of what this issue is about
<b>007</b>	AP: enum + expression wording 13/8: no progress 10/9: No update 17/9: No update 22/10: No update



012	AP/SH: Update decimalCalendarScheme 10/9: Not allocated yet 17/9: No update 24/9: Add calendar binary formats to actions 22/10: No progress
014	SH: Use cases for lengthKind pattern on binary fields. 10/9: Not done 17/9: No update 22/10: SH not sure he can provide a concrete use case
016	AP: Add hidden changes to spec 22/10: No update
017	All: Review EndOfData changes 22/10: SH response mailed to Mike
018	AP: Agree padding to minimum length 15/10: Needs documenting 22/10: No update
019	AP: Document defineTextNumber etc 22/10: No update
020	SH: Resolve packedDecimalSignCodes behaviour depends on NumberCheckPolicy 22/10: No progress
021	AP: Document textNumberRepresentation and binaryNumberRepresentation 22/10: No update
022	SH: Talk to Sandy Gao to assess use of schema 1.1 22/10: Mail sent to Sandy

### Closed actions :

006	SH: Distribute hidden proposal 16/7: Done. MB to review 13/8: MB to review 10/9: Mike has located this and will review 17/9: Proposal agreed
011	SH: Update decimal supplement 13/8: Editorial changes needed. 10/9: Alan to incorporate into main spec 17/9: No update 15/10: spec updated. closed
015	AP: removed extended floats 10/9: No update 17/9: No update 15/10: Spec updated. closed
013	MB: Description and use cases for EndofData syntax 10/9: Steve didn't receive this mail, he now has and will review 22/10: Response mailed to Mike - closed - track using action 017

### 033 Work items:

No	Item
001	String XML type (Ian P) - Apr 30, 2008
002	Escape schemes (Ian P) - Apr 30, 2008
003	Variables - ??, 2008 (Mike)
004	Selectors (Suman) - Apr 30, 2008

005	Improvements on property descriptions - <a href="#">??, 2008</a> (All - split TBD)
006	Envelopes and Payloads ( <a href="#">Steve</a> ) - <a href="#">Apr 30, 2008</a>
007	(from draft 32) valueCalc ( <a href="#">Mike</a> ) - <a href="#">??, 2008</a> <b>*Mostly complete*</b>
008	(from draft 32) Property precedence for writing ( <a href="#">Steve</a> ) - <b>*complete but under review*</b>
009	(from draft 32) Variable markup ( <a href="#">Steve</a> ) - <a href="#">Mar 31, 2008</a> <b>*proposal needs writing up*</b>
010	(from draft 32) Assertions, discriminators and choice, including discussion of timing option ( <a href="#">Suman</a> ) - <a href="#">Mar 31, 2008</a> <b>* in progress *</b>
011	(from draft 32) How speculative parsing works (combining choice and variable-occurrence - currently these are separate) <a href="#">??, 2008</a> ( <a href="#">IBM</a> ) <b>* in progress *</b>
012	(from draft 32) Reordering the properties discussion: move representation earlier, improve flow of topics <a href="#">??, 2008</a> ( <a href="#">Alan</a> ) <b>* not started *</b>
013	(from F2F) New scoping rules
014	(from F2F) Occurs, OccurSeparator changes
015	(from F2F) choices and Output ( <a href="#">Mike</a> )
016	(from F2F) xpath forward references ( <a href="#">Alan</a> ) <b>*complete*</b>
017	(IBM WTX review) Minor agreed updates ( <a href="#">Alan</a> ) <b>*complete*</b>
018	(IBM WTX review) Review generateNewLine ( <a href="#">Alan</a> ) <b>*complete*</b>
020	(IBM WTX review) <a href="#">Special value for zero seen eg 'zero'</a> . ( <a href="#">Steve</a> )
021	(IBM WTX review) 'EndOfData' changes ( <a href="#">Alan</a> )
022	(IBM WTX review) Unresolvable choices - infoSet changes <b>*complete*</b>
023	(IBM WTX review) separatorKind='prefix' 'infix' or 'postfix' ( <a href="#">Alan</a> )
024	(IBM WTX review) StopValue clarification ( <a href="#">Alan</a> )
025	Augmented infoSet and unparsing ( <a href="#">Alan</a> )

# TeamRoom Plus

IBM TeamRoom

This OPEN document will not be filed. It is being kept active.

## Meeting about Meetings\OGF

Project	DFDL 1.0
Meeting Date	13-Aug-08 (Wed)
Meeting Time	13:00 - 14:30
Meeting Editors	Alan Powell, Steve Hanson

Created by Alan Powell on 15-Aug-08

Last Modified by Alan Powell on 15-Oct-08

## OGF DFDL Working Group Call , August-13-2008

### Agenda

**Prepare** for your meeting by describing the objectives (both immediate and long-term, if appropriate) of the meeting; and describe key plan details.

Person Responsible	Time Allotted	Subject to be reviewed	Link to Materials to be reviewed (also click to post your updates)

### Minutes

#### Meeting Minutes

**Reflect** on your meeting as you record all topics and issues discussed , and any tabled conversations. What went well, or what would you do differently next time? Document those so others can take advantage of your learning .

#### Open Grid Forum : Data Format Description Language Working Group

Weekly Working Group Conference Call  
13:00 GMT, 13 August 2008

UPDATE: Added MBs notes

#### Attendees

Mike Beckerle (Oco)  
Alan Powell (IBM)

Apologies: Steve Hanson (IBM)

## 1. Update to Decimal supplement

Wrong updated document was distributed in with the agenda. Correct one will be sent.

decimalCalendarScheme needs updating. Action created

<i>Property Name</i>	<i>Description</i>
decimalCalendarScheme	Indicates that decimal calendars are described by a defined calendar scheme.  An anonymous calendar scheme can be specified as a child element of the annotation element.  See Section TBD <b>Error! Reference source not found..</b>

**TOPIC:** Decimal Calendar – idea: should behave as if decimal to text then text to date/time. I.e., use same date/time pattern language, but a subset of it since decimal can express nothing but digits.

## 2. Discuss lengthKind issues

New Lengthkind document was distributed and discussion continued from last call

Decided dfdl will do minimal type conversion of binary numbers. Decimal and integer can have only have packed decimal or BCD numberFormat. Int, short, long, byte can only have 2sComplement.

**TOPIC:** Notes to authors (at start of spec) add that we don't do scalar type coersions/conversions generally. I.e., if the representation is a floating point, then the logical must be a floating point. If the representation is decimal, the logical must be decimal. We don't allow you to have a logical int whose rep is decimal or vice versa. Rationale: it adds complexity that we an avoid. Doesn't provide anything you can't easily do another way (layering), etc.

MB didn't like endOfBitstream property as if is nit composable. Decided to separate EoD from delimited again and have special meaning that EOD on the last item of a top level sequence means endOfBitstream. MB to provide description and examples of use. Need to revisit the EndOfData property name.

**TOPIC:** EndOfData Semantics:

We discussed that currently we were overloading the delimited concept to include the end-of-data concept, and that was unsatisfactory and was resulting in attempts to reinject end-of-data as "end-of-bitstream" and the like.

Points -

- Distinguish delimited to mean we positively ARE scanning for a text pattern delimiter, and not confusing this with the end-of-data case which is fundamentally different.
- Avoid special-case keyword only for the "top level" end of the data stream. This has really bad composition properties.
- lengthKind='endOfData' applies to both binary and text representations. For text it means there is no terminator for this element. The enclosing construct's length, however determined (separator, terminator, fixed, prefix, etc.) will bound length of this contained element.
- o Case: <sequence dfdl:separator="," dfdl:terminator=";">
- o     <element name="f1" type="string" dfdl:lengthKind="endOfData"/>
- o     <element name="f2" type="string" dfdl:lengthKind="endOfData"/>

```

o      </sequence>
o The above seems ok to me.
o Case: <sequence dfdl:lengthKind="prefixed" dfdl:representation="binary">
o      <element name="f1" type="int" dfdl:length="4" dfdl:lengthKind="explicit"/>
o      <element name="f2" type="hexBinary" dfdl:lengthKind="endOfData"/>
o      </sequence>
o The above seems ok to me.

```

Important use cases:

Case 1: binary element at the end of a top-level sequence.

```

<schema ...>
  <element name="theTop">
    <complexType>
      <sequence dfdl:lengthKind="implicit">
        <element name="f1" type="int" dfdl:length="4" dfdl:lengthKind="explicit"/>
        <element name="f2" type="hexBinary" dfdl:lengthKind="endOfData"/>
      </sequence>
    </complexType>
  </element>
</schema>

```

In the above, the top level sequence has implicit length kind. This is ok, because the top level is assumed to be in an "end of data" context.

Case 2: deeper nesting, same implicit-length sequence.

```

<schema ...>
  <element name="NestedInside">
    <complexType>
      <sequence dfdl:lengthKind="implicit">
        <element name="f1" type="int" dfdl:length="4" dfdl:lengthKind="explicit"/>
        <element name="f2" type="hexBinary" dfdl:lengthKind="endOfData"/>
      </sequence>
    </complexType>
  </element>

  <element name="stillNotTheTop">
    <complexType>
      <sequence dfdl:lengthKind="implicit">
        ...
        <element ref="NestedInside"/>
      </sequence>
    </complexType>
  </element>

  <element name="hasFixedLength">
    <complexType>
      <sequence dfdl:lengthKind="explicit" dfdl:length="100">
        ...
        <element ref="stillNotTheTop"/>
      </sequence>
    </complexType>
  </element>

  ...
</schema>

```

This case illustrates how the composition properties work for explicit/implicit lengths.

The definition of how this works goes something like this.

When the last element of a sequence is binary with lengthKind="endOfData" this implies that the enclosing sequence is:

- (a) length kind explicit or prefixed or endOfdata
- (b) length kind implicit – in this case recursively this enclosing sequence must itself be enclosed in a sequence similarly constrained on length kind (cases a, b, c here)
- (c) the top-level sequence

Note: We need to revisit whether the name 'endOfData' is desirable or not. There's a list of alternatives from the F2F meeting. Problem is that a naïve user will be thinking "top level" but the concept actually needs to be compositional/nestable.

MB not happy with lengthKind=pattern on binary fields. Would like use cases.

Decided not to support extended float (128 bit) until XML provides an simple type that matches.

**TOPIC:** float/double – we concluded that until XML has floating point types that can handle extended precisions that DFDL can't handle extended precisions in any reasonable way, so we should simply say DFDL v1.0 supports only 64-bit floating point precision and 32 bit floating point precision. This narrows down float types to IEEE (single and double), and IBM390 (single and double), and maybe AS400 if that's different and still within 64 bits precision.

MB agreed to use numberpattern with stated restrictions to calculated implicit lengths of number/text fields. Discussion of what to do if conflicts with TotalDigits . Could decide not to support totalDigits. max/min/Inclusive/exclusive for validation only .

### 3. Hidden proposal

Not discussed

### 4. Unresolved WTX issues

Not discussed

### 5. AOB

SH and AP away w/o 18 & 25 Aug. MB away w/o 1 Sept. Next call 10th Sept

**Meeting closed , 14:30 GMT**

## Create Action Items

Record the to-do's and individuals assigned by entering the appropriate information in the form below . Press the "Create Action Items" button to create specific to do's that can be tracked in the assignee's Work for Me views. " All Action Items will be tracked in the Action Items and Other Meeting Documents tab .

## Action Items and Other Meeting Documents

View: ResultDocs

### Actions raised at this meeting

No	Action
012	?: Update decimalCalendarScheme
013	MB: Description and use cases for EndofData syntax
014	SH: Use cases for lengthKind pattern on binary fields.
015	AP: removed extended floats

### Current Actions :

No	Action
003	AP: Update spec from WTX document 13/8: All resolved issues have been added to spec. Remaining unresolved items need discussion
004	MB: Mike will also author a new section in response to comments from Sandy Gao and Suman Kalia, explicitly connecting syntax with DFDL semantics 16/7: no progress
006	SH: Distribute hidden proposal 16/7: Done. MB to review 13/8: MB to review
007	AP: enum + expression wording 13/8: no progress
009	SH: propose algorithm unparse length lengthKind=implicit decimal type/binary representation 13/8: AP has incorporated into lengthkind document. Done
010	AP: Document Fixed length string truncation property

	13/8: done
011	SH: Update decimal supplement 13/8: Editorial changes needed.

### 033 Work items:

No	Item
001	String XML type (Ian P) - Apr 30, 2008
002	Escape schemes (Ian P) - Apr 30, 2008
003	Variables - ??, 2008 (Mike)
004	Selectors (Suman) - Apr 30, 2008
005	Improvements on property descriptions - ??, 2008 (All - split TBD)
006	Envelopes and Payloads (Steve) - Apr 30, 2008
007	(from draft 32) valueCalc (Mike) - ??, 2008 <b>*Mostly complete*</b>
008	(from draft 32) Property precedence for writing (Steve) - <b>*complete but under review*</b>
009	(from draft 32) Variable markup (Steve) - Mar 31, 2008 <b>*proposal needs writing up*</b>
010	(from draft 32) Assertions, discriminators and choice, including discussion of timing option (Suman) - Mar 31, 2008 <b>* in progress *</b>
011	(from draft 32) How speculative parsing works (combining choice and variable-occurrence - currently these are separate) ??, 2008 (IBM) <b>* in progress *</b>
012	(from draft 32) Reordering the properties discussion: move representation earlier, improve flow of topics ??, 2008 (Alan) <b>* not started *</b>
013	(from F2F) New scoping rules
014	(from F2F) Occurs, OccurSeparator changes
015	(from F2F) choices and Output (Mike)
016	(from F2F) xpath forward references (Alan) <b>*complete*</b>
017	(IBM WTX review) Minor agreed updates (Alan) <b>*complete*</b>
018	(IBM WTX review) Review generateNewLine (Alan) <b>*complete*</b>
020	(IBM WTX review) Special value for zero seen eg 'zero'. (Steve)
021	(IBM WTX review) 'EndOfData' changes (Alan)
022	(IBM WTX review) Unresolvable choices - infoSet changes <b>*complete*</b>
023	(IBM WTX review) separatorKind='prefix' 'infix' or 'postfix' (Alan)
024	(IBM WTX review) StopValue clarification (Alan)
025	Augmented infoSet and unparsing (Alan)



# TeamRoom Plus

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This OPEN document will not be filed. It is being kept active.

## Meeting about Meetings\OGF

Project	DFDL 1.0
Meeting Date	22-Jul-08 (Tues)
Meeting Time	13:00 - 14:30
Meeting Editors	Alan Powell, Steve Hanson

Created by Alan Powell on 23-Jul-08

Last Modified by Alan Powell on 15-Oct-08

## OGF DFDL Working Group Call , July-22-2008

### Agenda

**Prepare** for your meeting by describing the objectives (both immediate and long-term, if appropriate) of the meeting; and describe key plan details.

Person Responsible	Time Allotted	Subject to be reviewed	Link to Materials to be reviewed (also click to post your updates)

### Minutes

#### Meeting Minutes

**Reflect** on your meeting as you record all topics and issues discussed , and any tabled conversations. What went well, or what would you do differently next time? Document those so others can take advantage of your learning .

#### Open Grid Forum : Data Format Description Language Working Group

**Weekly Working Group Conference Call**  
**13:00 GMT, 22 July 2008**

#### Attendees

Mike Beckerle (Oco)  
Steve Hanson (IBM)  
Alan Powell (IBM)

### 1. Update to Decimal supplement

Discussed MB comments on SH decimal supplement document.

Agreed

- added zeroSign to packedDecimalSignCodes which allows zero to be represented as all zero nibble
- Move numberCheckPoicy out of dfdl:DefineNumberFormat (renamed to dfdl:DefineTextNumberFormat) so it can apply to binary representation.
- add numberZeroRep to provide a special value for zero. er 'zero'

### 2. Discuss lengthKind issues

Discussed lengthKind/scanability email distributed by AP

Need to add to table truncation, fill for binary, more logical/physical type combinations such as logical number with text representation.

lengthKind=Implicit

no pad/ fill for sequences

Long discussion on what the implicit length should be on unparse for various logical/physical type combinations.

Decimal/integer with text representations look a problem. Action: SH to propose algorithm

For number/text decided that min/maxInclusive would only be used for validation and not for any physical attributes.

Action: Check all simple types vs representation and investigate if numberFormat can be used.

.

LengthKind=explicit

Decided for choice dfdl=length will be used, choiceKind is only used for lengthKind=implicit

Discussion of truncation is logical length is too big.

Decided that truncation is only valid for fixed length strings and we need a new property to control whether it is valid or not.

Action: propose new fixed length string truncation property.

For text numbers if numberpattern produces a text string that is too long at runtime then it is a runtime error.

lengthKind=prefixed

Decided that there is no padding for variable length lengthKinds

Will carry on discussion on next call

### 3. Hidden proposal

Not discussed

### 4. Unresolved WTX issues

Not discussed

### 5. AOB

Next weeks (30 July) call will start at 13:00 UK for 2 hours in stead of an additional call.

**Meeting closed , 14:30 GMT**

### Create Action Items

Record the to-do's and individuals assigned by entering the appropriate information in the form below . Press the "Create Action Items" button to create specific to do's that can be tracked in the assignee's Work for Me views. " All Action Items

will be tracked in the Action Items and Other Meeting Documents tab .

## Action Items and Other Meeting Documents

View: ResultDocs

### Actions raised at this meeting

No	Action
009	SH: propose algorithm unparse length lengthKind=implicit decimal type/binary representation
010	AP: Document Fixed length string truncation property
011	SH: Update decimal supplement

### Current Actions :

No	Action
003	AP: Update spec from WTX document 16/7: in progress
004	MB: Mike will also author a new section in response to comments from Sandy Gao and Suman Kalia, explicitly connecting syntax with DFDL semantics 16/7: no progress
006	SH: Distribute hidden proposal 16/7: Done. MB to review
007	AP: enum + expression wording 16/7: no progress

### 033 Work items:

No	Item
001	String XML type (Ian P) - Apr 30, 2008
002	Escape schemes (Ian P) - Apr 30, 2008
003	Variables - ??, 2008 (Mike)
004	Selectors (Suman) - Apr 30, 2008
005	Improvements on property descriptions - ??, 2008 (All - split TBD)
006	Envelopes and Payloads (Steve) - Apr 30, 2008
007	(from draft 32) valueCalc (Mike) - ??, 2008 <b>*Mostly complete*</b>
008	(from draft 32) Property precedence for writing (Steve) - <b>*complete but under review*</b>
009	(from draft 32) Variable markup (Steve) - Mar 31, 2008 <b>*proposal needs writing up*</b>
010	(from draft 32) Assertions, discriminators and choice, including discussion of timing option (Suman) - Mar 31, 2008 <b>* in progress *</b>
011	(from draft 32) How speculative parsing works (combining choice and variable-occurrence - currently these are separate) ??, 2008 (IBM) <b>* in progress *</b>
012	(from draft 32) Reordering the properties discussion: move representation earlier, improve flow of topics ??, 2008 (Alan) <b>* not started *</b>
013	(from F2F) New scoping rules
014	(from F2F) Occurs, OccurSeparator changes
015	(from F2F) choices and Output (Mike)
016	(from F2F) xpath forward references (Alan)
017	(IBM WTX review) Minor agreed updates (Alan)
018	(IBM WTX review) Review generateNewLine (Alan)
020	(IBM WTX review) Special value for zero seen eg 'zero'. (Steve)
021	(IBM WTX review) 'EndOfData' changes (Alan)
022	(IBM WTX review) Unresolvable choices - infoSet changes
023	(IBM WTX review) separatorKind='prefix' 'infix' or 'postfix' (Alan)
024	(IBM WTX review) StopValue clarification (Alan)
025	Augmented infoSet and unparsing (Alan)

# TeamRoom Plus

IBM TeamRoom

This OPEN document will not be filed. It is being kept active.

## Meeting about Meetings\OGF

Project	DFDL 1.0
Meeting Date	16-Jul-08 (Wed)
Meeting Time	14:00 - 15:00
Meeting Editors	Alan Powell, Steve Hanson

Created by Alan Powell on 16-Jul-08

Last Modified by Alan Powell on 15-Oct-08

## OGF DFDL Working Group Call , July-16-2008

### Agenda

**Prepare** for your meeting by describing the objectives (both immediate and long-term, if appropriate) of the meeting; and describe key plan details.

Person Responsible	Time Allotted	Subject to be reviewed	Link to Materials to be reviewed (also click to post your updates)

### Minutes

#### Meeting Minutes

**Reflect** on your meeting as you record all topics and issues discussed , and any tabled conversations. What went well, or what would you do differently next time? Document those so others can take advantage of your learning .

#### Open Grid Forum : Data Format Description Language Working Group

**Weekly Working Group Conference Call**  
**14:00 GMT, 16 July 2008**

#### Attendees

Mike Beckerle (Oco)  
Steve Hanson (IBM)  
Alan Powell (IBM)

### 1. Go through actions

status updated below

003: AP is updating spec from WTX review and will produce a list of remaining unresolved items

007: Discussion about how expressions can be allowed in enumerated fields such as encoding . Simplest would be to convert enum properties to string but that wouldn't allow schema validation to catch errors .

### 2. Version 003 work items

The list of work items had been distributed and was discussed . Items requiring discussion will be converted to actions. Work items will also be tracked in this meeting .

### 3. Update to Decimal supplement

SH had distributed an updated proposal which was discussed . General agreement on the changes with the main point of discussion being the use of numberCheckPolicy to control the behaviour of the new numberZeroRep property. MB to review

### 4. Discuss lengthKind issues identified by WTX

Not discussed

### 5. Hidden proposal

Not discussed

### 6. AOB

Agreed an additional weekly WG call is needed . MB to set up

**Meeting closed , 15:00 GMT**

### Create Action Items

Record the to-do's and individuals assigned by entering the appropriate information in the form below . Press the "Create Action Items" button to create specific to do's that can be tracked in the assignee's Work for Me views. " All Action Items will be tracked in the Action Items and Other Meeting Documents tab .

### Action Items and Other Meeting Documents

View: ResultDocs

### Actions raised at this meeting

No	Action
008	MB: set up additional WG call

### Current Actions :

No	Action
001	MB: update outputvalueCalc doc Done
002	AP: Send out updated work item list 16/7: done
003	AP: Update spec from WTX document 16/7: in progress
004	MB: Mike will also author a new section in response to comments from Sandy Gao and Suman Kalia, explicitly connecting syntax with DFDL semantics 16/7: no progress
005	AP: update spec with unparsing and augmented info set. 16/7: no progress. Converted to work item
006	SH: Distribute hidden proposal 16/7: Done. MB to review
007	AP: enum + expression wording 16/7: no progress

### 033 Work items:

No	Item
001	String XML type (Ian P) - Apr 30, 2008
002	Escape schemes (Ian P) - Apr 30, 2008
003	Variables - ??, 2008 (Mike)
004	Selectors (Suman) - Apr 30, 2008
005	Improvements on property descriptions - ??, 2008 (All - split TBD)
006	Envelopes and Payloads (Steve) - Apr 30, 2008
007	(from draft 32) valueCalc (Mike) - ??, 2008 <b>*Mostly complete*</b>
008	(from draft 32) Property precedence for writing (Steve) - <b>*complete but under review*</b>
009	(from draft 32) Variable markup (Steve) - Mar 31, 2008 <b>*proposal needs writing up*</b>
010	(from draft 32) Assertions, discriminators and choice, including discussion of timing option (Suman) - Mar 31, 2008 <b>* in progress *</b>
011	(from draft 32) How speculative parsing works (combining choice and variable-occurrence - currently these are separate) ??, 2008 (IBM) <b>* in progress *</b>
012	(from draft 32) Reordering the properties discussion: move representation earlier, improve flow of topics ??, 2008 (Alan) <b>* not started *</b>
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025	Augmented infoSet and unparsing (Alan)



# TeamRoom Plus

IBM TeamRoom

This OPEN document will not be filed. It is being kept active.

## Meeting about Meetings\OGF

Project	DFDL 1.0
Meeting Date	25-Jun-08 (Wed)
Meeting Time	14:00 - 15:00
Meeting Editors	Alan Powell, Steve Hanson

Created by Alan Powell on 26-Jun-08

Last Modified by Alan Powell on 15-Oct-08

## OGF DFDL Working Group Call , June-25-2008

### Agenda

**Prepare** for your meeting by describing the objectives (both immediate and long-term, if appropriate) of the meeting; and describe key plan details.

Person Responsible	Time Allotted	Subject to be reviewed	Link to Materials to be reviewed (also click to post your updates)

### Minutes

#### Meeting Minutes

**Reflect** on your meeting as you record all topics and issues discussed , and any tabled conversations. What went well, or what would you do differently next time? Document those so others can take advantage of your learning .

#### Open Grid Forum : Data Format Description Language Working Group

**Weekly Working Group Conference Call**  
**14:00 GMT, 25 June 2008**

#### Attendees

Mike Beckerle (Oco)  
Steve Hanson (IBM)  
Alan Powell (IBM)

## 1. Infoset order

It was agreed that the infoset needs to be in the schema order otherwise it would not be possible to know if elements were missing and needed defaulting on unparsing.

## 2. Unparsing , Augmented infoset .

Discussed latest version of description of unparsing including the introduction of the 'augmented infoset' concept. Agreed it can be added to spec.

## 3. Byte Order Mark .

Reviewed Unicode documents on BOM and concluded that DFDL should provide no special treatment so it will be treated as a normal code point. If a document contains an optional BOM then it should be defined as an optional, hidden field and an expression used to set the dfdl:byteOrder property.

## 4. enums and expressions

During the BOM discussion it was noted that current dfdl syntax rules do not allow expressions for enumerated properties. AP to make a proposal.

## 5. Hidden element syntax

Discussed IBM's outline proposal for using groups to define hidden elements which would allow their syntax to be validated by an XML parser. Agreed in principle, SH to circulate detailed proposal.

## 6. Gridforge

Gridforge seem to be working again so will not look for alternatives

## 7. AOB

MB on vacation for the next 2 weeks.

**Meeting closed , 15:00 GMT**

### Create Action Items

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### Action Items and Other Meeting Documents

View: ResultDocs

### Actions raised at this meeting

No	Action
	AP: update spec with unparsing and augmented info set.
	SH: Distribute hidden proposal
	AP: enum + expression wording

### Current Actions :

No	Action
	MB: update outputvalueCalc doc Done
	AP: Send out updated work item list
	AP: Update spec from WTX document
	MB: Mike will also author a new section in response to comments from Sandy Gao and Suman Kalia, explicitly connecting syntax with DFDL semantics

# TeamRoom Plus

IBM TeamRoom

This OPEN document will not be filed. It is being kept active.

## Meeting about Meetings\OGF

Project	DFDL 1.0
Meeting Date	18-Jun-08 (Wed)
Meeting Time	14:00 - 15:00
Meeting Editors	Alan Powell, Steve Hanson

Created by Alan Powell on 25-Jun-08

Last Modified by Alan Powell on 15-Oct-08

## OGF DFDL Working Group Call , June-18-2008

### Agenda

**Prepare** for your meeting by describing the objectives (both immediate and long-term, if appropriate) of the meeting; and describe key plan details.

Person Responsible	Time Allotted	Subject to be reviewed	Link to Materials to be reviewed (also click to post your updates)

### Minutes

#### Meeting Minutes

**Reflect** on your meeting as you record all topics and issues discussed , and any tabled conversations. What went well, or what would you do differently next time? Document those so others can take advantage of your learning .

#### Open Grid Forum : Data Format Description Language Working Group

**Weekly Working Group Conference Call**  
**14:00 GMT, 18 June 2008**

#### Attendees

Mike Beckerle (Oco)  
Steve Hanson (IBM)  
Alan Powell (IBM)

## 1. Discussion of unparsing

Discussed Mike's description of unparsing email dated 12/06

- outputValueCalc has the highest priority. If there is a value in the infoSet it is ignored  
Use case is using parsed infoSet for output.
- The outputValueCalc can be evaluated multiple times but must return the same result
- It is an error if there is a value in the onfoSet for a hidden element
- dfdl:length of an element with an inputValueCalc returns zero

## 2. Hidden Elements

Discussion about alternative methods of defining hidden elements using minOccurs=maxOccurs=0.  
SH to discuss with Sandy Rao

## 3. Gridforge

Gridforge has been unavailable for some time so we need to find an alternative. AP to investigate options

## 4. Spec work items

AP to reissue list of remaining spec work items.

**Meeting closed , 15:00 GMT**

### Create Action Items

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### Action Items and Other Meeting Documents

View: ResultDocs

# TeamRoom Plus

IBM TeamRoom

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## Meeting about Meetings\OGF

Project	DFDL 1.0
Meeting Date	16-Jan-08 (Wed)
Meeting Time	17:00 - 18:00
Meeting Editors	Steve Hanson

Created by Ian W Parkinson on 16-Jan-08

Last Modified by Steve Hanson on 17-Jan-08

## OGF DFDL Working Group Call , Jan-16-2008

### Agenda

**Prepare** for your meeting by describing the objectives (both immediate and long-term, if appropriate) of the meeting; and describe key plan details.

Person Responsible	Time Allotted	Subject to be reviewed	Link to Materials to be reviewed (also click to post your updates)

### Minutes

#### Meeting Minutes

**Reflect** on your meeting as you record all topics and issues discussed , and any tabled conversations. What went well, or what would you do differently next time? Document those so others can take advantage of your learning .

#### Open Grid Forum : Data Format Description Language Working Group

**Weekly Working Group Conference Call**  
**17:00 GMT, 16 Jan 2008**

#### Attendees

Geoff Judd (IBM)  
Simon Parker (PolarLake)  
Ian Parkinson (IBM)

Alan Powell (IBM)  
Steve Hanson (IBM)  
Suman Kalia (IBM)

## 1. Review of Minutes from last week

- i. **OGF22** - No update from Mike.
- ii. **Specification Drafts** - Steve and Alan have distributed a version of Mike's plan for the next few versions of the specification with work items assigned to individuals. Simon asked for clarification regarding his item "2-level description (schema components)" - this covers reviewing and updating the DFDL schema abstract data model document (distributed by Steve, with the agenda for this meeting) for inclusion in the DFDL specification, to replace and extend the existing UML diagram.
- iii. **Expression Language** - Alan will update and distribute a new draft of the expression language proposal.
- iv. **Property Precedence** - Steve has prepared a proposal as a Freemind mind map and would appreciate any review comments, especially with regard to the questions distributed along with the proposal. The group briefly discussed some of these, and Steve will email Mike asking for his opinion on some of these issues.
  - Regarding dfdl:escapeScheme, and how it applies when lengthKind=end of data - the specification plan includes a review of the escapeScheme mechanism and this issue can be discussed then.
  - While discussing the enum used for dfdl:nullKind, Simon observed that this issue has not arisen in PolarLake's parser as it does not have a well-developed concept of null.
  - Steve felt we should perhaps remove the Advanced Text Delimiter Supplement.
- v. **Entity References** - Alan and Ian have been looking at this, and will prepare and distribute a revised proposal. Steve will write a proposal to cover whitespaceing.

(Simon Parker left the meeting)

## 2. Property Precedence

The group discussed Steve's proposal and its relation to the specification document. It was suggested that the specification could list the properties of each object in precedence order; and further that the UML diagrams could show which properties can be used with each object.

**Meeting closed , 17:40 GMT**

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## IBM review of UML for DFDL Schema Abstract Model

For convenience, here is the set of comments from IBM regarding the UML diagrams in the schema abstract model document.

General:

- All associations originating from DFDLSchema should have black diamond instead of empty diamond because DFDL schema object would be the owner of these objects. Cardinality of relationship is not explicitly shown; I think the default cardinality as per standard is 1 which won't be correct in this case. e.g. DFDLSchema would have more than 1 global elements/ types etc.. Likewise there would be black diamond relationship from Element Declaration/Simple Type Definition/ComplexType Definition to DFDL Annotation Base. (Suman)
- In the open source XML Schema model, there is no explicitly defined object for element reference and group reference. Same XSDElementDeclaration or XSDGroupDefinition are used to model references. It is determined programmatically and I think it would be better to use the open source XML schema model as source model and show relationship of DFDL Annotations attached to the XSD schema model. (Suman)



#### UML for DFDL subset of XSDL :

- Need cardinality adding (Steve)
- White v black diamond not correct (Suman)
- What does 'ref' mean on the link from Particle to Element Declaration ? (Steve)
- Link from Complex Type Definition to Particle - this can only be to a Model Group subclass (Steve)
- May want to add the following pointer to make it complete: complex type definition -> (base type) -> complex type definition (Sandy)
- I know this is probably not needed by DFDL; but may help to include it for completeness. We have it for simple types; may confuse people if it's not on complex types. (Sandy)

#### UML for DFDL annotations on XSDL:

- Wondering whether this is necessary. It's a middle step, possibly only useful to implementors (Sandy)
- 1st bullet - talks about a limitation in the XSDL model - I'd like Sandy to take us through this. MRM carries annotations on groups and group refs.(Steve)
- 1st bullet - the practical limitation appears to be that you can't override the properties of a global group on a group reference, like you can with elements. Is this going to be an issue? (Steve)
- 4th bullet - prohibiting dfdl:discriminator on xs:choice seems sensible (Steve)
- Should "variable definition" be derived from "DFDL annotation base"? (Sandy)
- The current diagram suggests that "variable definition" can both be part of a format base or as a standalone annotation (outside of a format). Is this true? (Sandy)
- Can "hidden" be viewed as a specialized element reference? (Sandy)
- This only implies a "base class" pointer from "hidden" to "element reference". There really isn't much benefit in doing this. It just \*feels\* better. Don't feel strongly. (Sandy)

#### UML for post-scope resolution and inheritance flattening:

- Haven't finished reviewing it carefully. (Sandy)
- Inheritance is used much more often in this diagram. e.g. "Any Element Wildcard" is derived from both "Occurrence Properties" and "DFDL properties Base". Is this intentional? Feels counter-intuitive to me. Components should \*have\* properties, rather than \*be\* properties. (Sandy)
- Wondering whether it makes sense to combine diagrams 2 and 3. That is, a single diagram that has everything inherited/flattened, but don't attempt to remove properties that are not used at runtime. e.g. keep DFDL Schema etc. (Sandy)

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