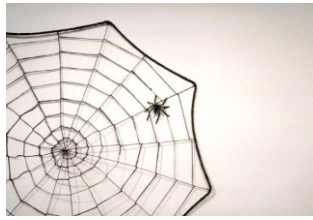


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**MINUTES OF THE SCHAFFHAUSEN TC/278 WG3 SG9 MEETING  
(NeTEx)**

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Location	Paris – France	Date	2012-09-12 & 2012-09-13
Project	NeTEx		
Subject	<b>SG9</b>		
	Michael	<b>Beck</b> (InitPlan)	
	Ulf	<b>Bjersing</b> (Hogia)	
	Winfried	<b>Bruns</b> (VDV)	
	Kasia	<b>Bourée</b> (KBIC)	
	Christophe	<b>Duquesne</b> (Aurige)	
	Gerald	<b>Dury</b> (Trapeze)	
	Wilfried	<b>Düx</b> (MDV)	
	Nick	<b>Knowles</b> (Tapeze)	
	Matthias	<b>Kopp</b> (Tapeze)	
	Patrik	<b>Lorenc</b> (UVT)	
	Dominique	<b>Margottin</b> (SNCF / Rail Solutions)	
	Gustav	<b>Thiesing</b> (Blic)	
	Fabrizio	<b>Arneodo</b> (5T)	
Writer	Christophe DUQUESNE (Aurige)		
<b>Main conclusions and important issues</b>			
<ul style="list-style-type: none"> <li>• <b>The NeTEx Part 1&amp;2 document review is nearly finished; the final document will be ready by end of September or beginning of October.</b></li> <li>• <b>NeTEx Part 3 work is going on, an overview of the current model stat has been done.</b></li> </ul>			
<b>Next meetings:</b>			
<b>6<sup>th</sup> &amp; 7<sup>th</sup> of September 2012 in Berlin</b>		Part 3 continuation (and Part 1&2 status)	

*The presentations are too big to be attached to the minutes' mail. They are temporarily available on the following URL <https://www.dropbox.com/sh/3az84118mlys93t/OWTy6JYwTX>. If they are not available any more, just ask for them by mail to [christophe.duquesne@aurigetechnology.com](mailto:christophe.duquesne@aurigetechnology.com).*

### Action plan

<b>What</b>	<b>Who</b>	<b>When</b>
Write minutes of the meeting	Christophe Duquesne	ASAP
Update the VDV mapping to take meeting decisions into account.	Gerald Dury	ASAP
Finalise Part 1 &2 document	Christophe Duquesne (with support of all)	ASAP
Add TramTrain submode to Tram submodes	Nick Knowles	ASAP
Homework all: how to Model: <ul style="list-style-type: none"><li>• « except line xx »</li><li>• « no round trip »</li><li>• « additional ticket needed for n sections on line x»: Is this a new Fare Product?</li></ul>	ALL	Berlin meeting
Check availability (and funding) to attend UIC price message meetings	Nick Knowles	ASAP
Put the explanations from the document back into the EA model.	Christophe Duquesne	At the end of the project
Provision of examples about Reductions & Entitlements.	Winfried Bruns	ASAP
Check and validate the UML schemas extracted from TAP TSI annexes B1/2/3.	UIC (once all the schemas will be available from ERA)	

## Minutes

TOPIC	COMMENTS
<b>NeTeX Part 1&amp;2 Document review</b>	<p><i>Christophe Duquesne</i></p> <p>See slides:        <i>NeTeX-Paris-09-2012-CD-Slides.ppt</i></p> <p><b><u>Document status</u></b></p> <p>See slides for the description of the document status</p> <p>As most of the recent work (post meeting) was dedicated to the document update, these minutes are quite late. The main output of this part of the meeting is the final Part 1 and Part 2 NeTeX document. They can be found here: <a href="https://www.dropbox.com/sh/oup843trnyrmgs4/V7Ith30afF">https://www.dropbox.com/sh/oup843trnyrmgs4/V7Ith30afF</a></p> <p>The folder contains :</p> <ul style="list-style-type: none"> <li>• The PDF version of both documents</li> <li>• The MS Word version of both documents</li> <li>• A zip file containing the figures (required for Word version as, according to CEN rules, figures are external)</li> <li>• A folder with all mapping table (VDV, NEPTUNE, UIC, NOPTIS)</li> <li>• A zip file of the latest XSD schema</li> <li>• A zip file containing the last model (conceptual and physical) in HTML format</li> </ul>

TOPIC	COMMENTS
<b>Small change requests raised from VDV mapping update</b>	<p><i>Gerald Dury</i></p> <p>See Document:        <i>Proposal for NeTeX XSD Changes .docx</i></p> <p>Gerald Dury has provided some change requests, raised by the last VDV-&gt;NeTeX mapping update. They are detailed in the attached document.</p> <p>1) A <i>SiriLineRef</i> and <i>SiriDirectionRef</i> are required in FeederFilter: this is useful when several AVMS are connected together. As they are not really Siri specific they will be named <i>ExternalLineRef</i> and <i>ExternalDirectionRef</i>. The NeTeX data namespace mechanism should be used for these Ids. There is also a need for a similar <i>ExternalInterchangeRef</i> in Interchanges.</p> <p>2) The request on PointOnLink is already fulfilled by the model: the Link has a passingThrough attribute refereeing all the possible PointOnLink. The only constraint is that PointOnLink require a Link to carry them. The VDV mapping has to be updated accordingly.</p> <p>3) A CONTROL CENTER is an ORGANISATIONAL PART. And ControlCenter needs to be available in the <i>ResourceFrame</i>. The new CONTROL CENTER definition was validated during the meeting.</p>

	<p>4) Additional XSD level integrity rules should be added (see details in <i>Proposal for NeTeX XSD Changes .docx</i>)</p> <p>Additional points were discussed on the VDV mapping. Main outputs are:</p> <ul style="list-style-type: none"> <li>• The relation between Block and VehicleJourney should be reversed in the mapping: it is better to have the Block referring the VehicleJourney.</li> <li>• A lot of RunTimes have a 0 value: it is probably an export bug.</li> <li>• Onward links should be used on the ScheduledStopPoint in the mapping</li> <li>• Links and sequence of points can be used alternatively, but Links should be preferred in VDV mapping</li> <li>• NeTeX allows classification of <b>TimeDemandTypes</b> (<b>TypeOfTimeDemandTypeRef</b>) and VDV need to separate wait time and run time TimeDemandTypes: such a classifier should be added to VDV mapping.</li> </ul>
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TOPIC	COMMENTS
Namespaces	<p><i>Nick Knowles</i></p> <p>There may be a confusion between XML namespace, and the use of namespace in NeTeX to classify data Id. Therefore it is proposed (and accepted) to rename it to <b>Codespace</b> (<i>A system for uniquely identifying objects of a given type. Used for the distributed management of objects from many different sources.</i>).</p>

TOPIC	COMMENTS
Using NeTeX with an Integrator perspective	<p><i>Ulf Bjersing</i></p> <p>See slides: <i>NeTeX_Integrator_PA3.pdf</i></p> <p>Ulf Bjersing has presented some very nice and didactic slides on using NeTeX with an Integrator perspective... see slides</p>

TOPIC	COMMENTS
Using NeTeX with an Integrator perspective	<p><i>Andrej Tibaut</i></p> <p>See slides: <i>AndrejTibaut_UMFG-SIST_ReviewSummary-NeTeX Part1-V26.pptx</i></p> <p>Andrej Tibaut has sent some slides summarising his review.</p> <p>There is also a request on <b>ServiceExclusion</b> requiring a [0..*] <b>ExcludedPointsRef</b> instead of the [1:1] <b>StartPointsRef</b> and <b>EndPointsRef</b> (in order to manage the fact that the constraint may only occur on some specific SCHEDULED STOP POINTS within the pattern.</p> <p>But it is reminded that several <b>ServiceExclusion</b> can occur on a single JourneyPattern, thus allowing these occurrence on some specific SCHEDULED STOP POINT (then having <b>StartPointsRef= EndPointsRef</b> for single points).</p>

TOPIC	COMMENTS
	<i>Fabrizio Arneodo</i>

<b>Part 3 Use Case</b>	<p><i>See slides: 20120906-CENTC278-NeTEX-meeting-Paris.pdf</i></p> <p>Fabrizio Arneodo has presented some slides on potential Use Cases for NeTEX part 3, coming from the Piedmont Region Electronic Ticketing System. Six possible use cases are presented (see slides). Unfortunately most of them deeply involve ticketing, which is outside NeTEX scope (focused on scheduled fare information). Only the scheduled part of these first 2 use cases can be added to NeTEX use cases.</p>
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TOPIC	COMMENTS
<b>NeTEX Part 3 Model</b>	<p><i>Kasia Bourée</i></p> <p><i>Input slides: NeTEX Part 3Paris09.pptx</i>  <i>Input documents: Fares -NeTEXPart 3kbv03.doc</i></p> <p>Kasia has prepared some slide providing usage example of the Part 3 model, based on the Paris Ticket T+ example. An overview of the model was also circulated (<i>Fares -NeTEXPart 3kbv03.doc</i>) putting together all the main concepts. Most of the discussion was on the document and an update (also attached to the minutes) was provided by Kasia in the meantime (before the writing of these minutes): this updated document has to be seen as the minutes of the Paris meeting Part 3 work : <i>Part3RevisedKB20121024.docx</i></p> <p>Some homework is proposed for all:  How to Model:</p> <ul style="list-style-type: none"> <li>• « except line xx »</li> <li>• « no round trip »</li> <li>• « additional ticket needed for n sections on line xx»: Is this a new Fare Product?</li> </ul>