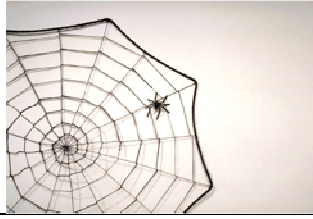

MINUTES OF THE PARIS TC/278 WG3 SG9 MEETING (NeTE_x)



Location	Paris(Rail Solution)	Date	2013-04-09 & 2013-04-10
Project	NeTE _x		
Subject	SG9		
	Fabrizio	Arneodo	(ST)
	Kasia	Bourée	(KBIC)
	Christophe	Duquesne	(Aurige)
	Marc	Florisson	(Cityway)
	Stefan	Jugelt	(ERA)
	Nick	Knowles	(Tapeze)
	Patrik	Lorenc	(UVT)
	Dominique	Margottin	(Rail Solution)
	Bart	Van Der Worp	(Humiq)
Writer	Christophe DUQUESNE (Aurige)		
Main conclusions and important issues			
<ul style="list-style-type: none"> • The NeTE_x Part 1&2 document has been submitted to CEN. A few additional changes on figures are required by CEN (to be update before publication, but after CEN ballot). • NeTE_x Part 3 work is going on: the main work was focused on ERA TAP-TSI annexes B1,2 and 3 mapping and NRT examples. • 			
Next meetings:			
	18th & 19st of June 2012 in Maribor	Part 3 – Fare information exchange	
	17th & 18st of September 2012 in Turin	Part 3 – Fare information exchange	

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/ygkcyahp75uiux4/2dGdbmbp0> . If they are not available any more, just ask for them by mail to christophe.duquesne@aurigetech.com .

Action plan

What	Who	When
Write minutes of the meeting	Christophe Duquesne	ASAP
Provide a summary of all the agreed updates to Kasia and Christophe in order to integrate them in the conceptual model.	Nick Knowles	ASAP
Write the first version of a paper explaining why CEN editorial rules have a lot of counterproductive issue when used on IT standard (UML based data model, XML/XSD exchange protocols, etc.) and how to enhance them, and circulate it for additional contributions from the group.	Nick Knowles	ASAP
Add a part 3 chapter dedicated to Part 1&2 extensions.	Christophe Duquesne	Maribor meeting
Walk through the Part 3 UML compositions in order to clean them	Christophe Duquesne	Once the model stabilised
Work on the SALES PACKAGE ELEMENT to FARE PRODUCT relation to solve the identified issue (see minutes)	Kasia Bourée Christophe Duquesne	Maribor meeting
Allow the use the Generic Grouping mechanism on VALIDITY CONDITIONs at XSD level.	Nick Knowles	ASAP
Add a " <i>monitored</i> " attribute to <i>VehicleJourney</i> in XSD.	Nick Knowles	ASAP
In XSD <i>Notice</i> needs to be possibly linked to <i>PointInJourney</i> pattern to conform the model	Nick Knowles	ASAP
Add an open ended code for StakeholderRoleType and DataRoleType in XSD	Nick Knowles	ASAP
Provide Bison mapping (part 1&2)	Bart van der Worp	ASAP
Update part 1&2 documents according to CEN rules	Christophe Duquesne	October 2013
Confirm the visio conferences possibility based in the University of Maribor infrastructure.	Andrej Tibaut	ASAP
Update the NeTeX web site.	Nick Knowles	ASAP
Provide details why Visual studio, seems not to be "NeTeX friendly".	Bart van der Worp	ASAP
Generate an HTML version of the XSD to put on the Web Site.	Christophe Duquesne Knowles	ASAP
Propose a way to finalise Part 3 use cases	Bart van der Worp and Andrej Tibaut	Maribor meeting
Come back to Christophe Duquesne, to tell if a new work item on Duties can be of interest for all involved countries.	ALL	ASAP

Povide more detailed information on possible CHARGING METHOD	by Gustav Thiesing and Andrej Tibaut	Maribor meeting
Extract the interesting definitions NeTEx need to align with from the ENV1545 document.	Winfried Bruns	Maribor meeting
Integrate the Railteam glossary in the term and definition harmonization work.	Christophe Duquesne	Maribor meeting
Experiment free or inexpensive XSD tools to be able to tell which are ok for NeTEx	ALL	Beginning of 2013
Provide T-Purse and Oyster card instance examples	Nick Knowles Bart van der Worp Kasia Bourée Christophe Duquesne	ASAP

Minutes

TOPIC	COMMENTS
NeTEx Part 1&2 Document	<p><i>Christophe Duquesne</i></p> <p>See slides: <i>NeTEx-Paris-9-04-2013-CD-Slides.ppt</i></p> <p><u>Document status</u></p> <p>The document has been officially submitted to CEN TC278 secretary, through WG3, for official submission, and is now accepted to enter validation ballot (from July to October 2013).</p> <p>CEN has required a figure update to use only TIF format and to rename all the figure using their number in the document (which is a bit strange since this mean that any figure addition will lead to rename all the figures, and that figure's names won't provide any more information about what is inside...). This has to be done before publication (October 2013).</p>

TOPIC	COMMENTS
General issues	<p><i>All</i></p> <p>See Document: <i>NeTEx-Paris-9-04-2013-CD-Slides.ppt</i> <i>NeTEx FC Examples.pptx</i></p> <p><u>NRT Working day</u></p> <p>The afternoon of the 8th was held a small working group dedicated to the mapping of some NRT examples from SNCF. Some questions where left open at the end of the meeting: answer will possibly be provided on the 10th (based en the group work and on Nick's mapping of TAP TSI annexes B1-2-3). The open point point were to decide what was the best and agreed level of granularity for FARE PRODUCTS (one or several for a NRT offer) and how to avoid repeating several time the same SALES PACKAGE, if several FARE PRODUCTS are used for an NRT offer).</p> <p><u>Web Site</u></p> <p>Nick Knowles now has access to the NeTEx web site, and will soon do the necessary updates.</p>

TOPIC	COMMENTS
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Presentation of NeTex usage in the open source tool CHOUETTE

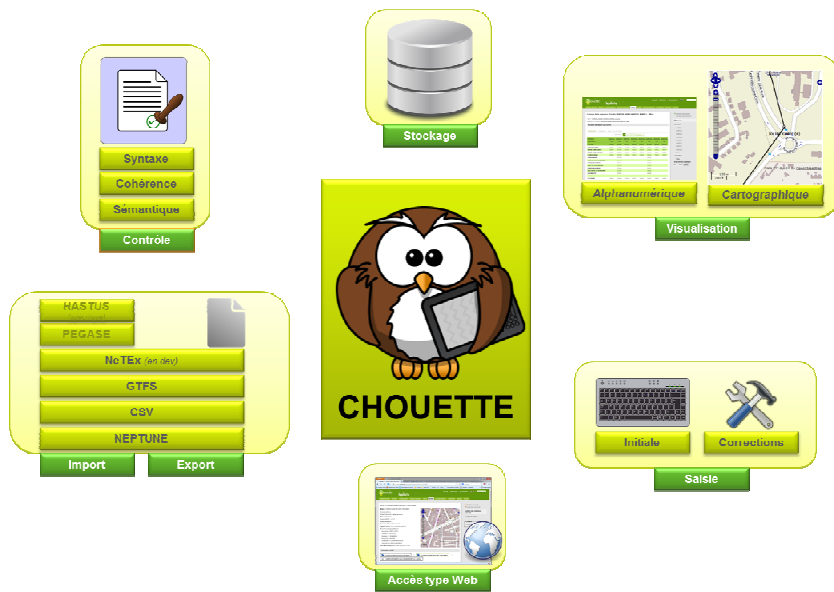
Marc Florisson - Christophe Duquesne

See slides: *NeTex-Paris-9-04-2013-CD-Slides.ppt*

CHOUETTE is an open source tool funded by the French Transport Department (but any contribution is of course welcome).

It includes:

- A database (Postgres SQL)
- An import/export mechanism (NEPTUNE, GTFS, CSV and now NeTex)
- A data validation mechanism



Visualization and editing tool(text and map based) through a Web interface
 An overview of CHOUETTE and a more detailed presentation of the NeTex import/export was provided by Marc Florisson (one of the application developer). CHOUETTE has recently integrated a NeTex import-export function (with a profile functionally equivalent to NEPTUNE: network and timing information for passenger information systems).

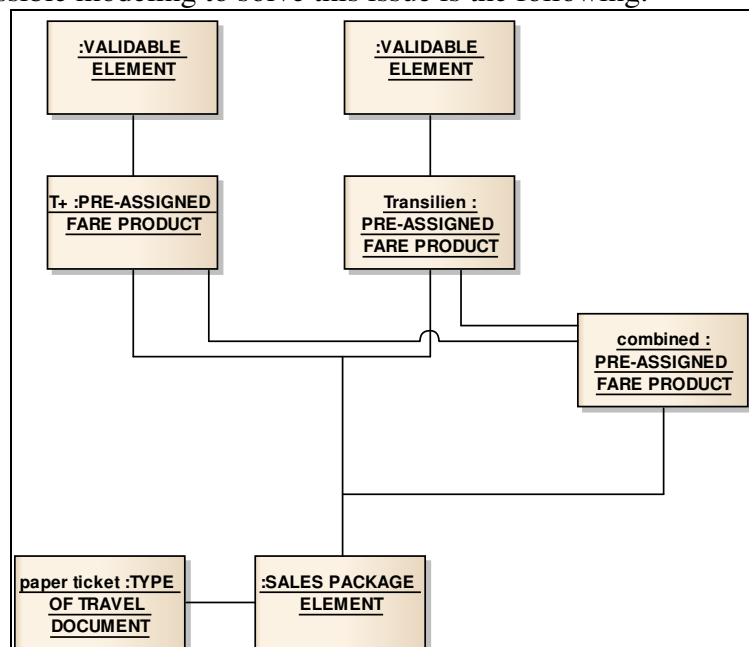
This version is not yet officially available (ask Marc Florisson or Christophe Duquesne if you need to test it) but will be soon on www.chouette.mobi (the demo link is [http://www.chouette.mobi/chouette2/users/sign_in?user\[email\]=demo@chouette.mobi](http://www.chouette.mobi/chouette2/users/sign_in?user[email]=demo@chouette.mobi) with password *chouette*) and Github (for source code <https://github.com/dryade/chouette2>). CHOUETTE is available in French and in English.

TOPIC	COMMENTS
<p data-bbox="181 226 427 291">NeTEx Part 3 Model</p> <p data-bbox="181 291 427 358">TAP TSI annexes B1-2-3 mapping</p>	<p data-bbox="427 226 1485 291"><i>Nick Knowles</i></p> <p data-bbox="427 291 1485 425"><i>Input slides: ERA-INTEROP-NP-10_NeTEx-Report-B1_2013.04.01-v1.14.ppt ERA-INTEROP-NP-10_NeTEx-Report-B2_2013.04.01-v1.14.ppt ERA-INTEROP-NP-10_NeTEx-Report-B3_2013.04.01-v1.14.ppt</i></p> <p data-bbox="427 425 1485 694">Nick Knowles has circulated three presentations before the meeting, presenting the mapping of the 3 annexes of the TAP TSI, B1-2-3, to Transmodel and NeTEx. These presentations contain a set of enhancements proposition to NeTEx in order to properly map the TAP TSI. Refer to the slide for details about these proposals. The following lines only provide a short summary of the discussions around them.</p> <p data-bbox="427 694 1485 784">Nick Knowles will provide a summary of all the agreed updates to Kasia and Christophe in order to integrate them in the conceptual model.</p> <p data-bbox="427 784 1485 851"><u>Summary of discussions and complement to slides</u></p> <ul data-bbox="427 851 1485 2103" style="list-style-type: none"> <li data-bbox="427 851 1485 1075">• Mapping of TAP-TSI Annexes B1/2/3 requires some NeTEx updates, and some of them are related to Part 1&2 (for example the need for a DELEGATE to ORGANISATIONS). All the extension will need to be compliant with the current Part 1&2 and will be added in a Part 3 dedicated chapter. <li data-bbox="427 1075 1485 1164">• BORDER POINTs are not ROUTE POINT but rather TIMING POINT (attached passing times are mandatory). <li data-bbox="427 1164 1485 1254">• A Pictogram should be added to facility sets. <li data-bbox="427 1254 1485 1478">• NeTEx Part 3 needs to be able to describe <i>Supplement</i> (probably as a FARE PRODUCT generalization) to describe a possible enhancement (seat class upgrade, period upgrade, etc.) of an existing FARE PRODUCT. <li data-bbox="427 1478 1485 1612">• FARE PRODUCT will not be directly linked to OPERATORS, but has a possible RESPONSIBILITY that may relate it to an OPERATOR with a specific ROLE. <li data-bbox="427 1612 1485 1971">• The model allows FARE PRODUCT to be seen with several granularity levels: for example, for NRT, one could decide to have one single FARE PRODUCT and another one FARE PRODUCT for each advertised product (first class, second class, adult, child... and combination). A choice (and a recommendation) needs to be done. The decision is to have one fare product linked to a set of DISCOUNT RIGHT (and not one for each DISCOUNT RIGHT): therefore a single FARE PRODUCT will be related to "full fare adult", "full fare child", "group fare adult", etc. But there will be separated FARE PROUCT for 1st Class and 2nd Class. <li data-bbox="427 1971 1485 2103">• TAP-TSI Annexes B1/2/3 required quite a lot a USAGE PARAMETERS. They will be categorized and split in several sub-packages (to be proposed

by Nick Kbowles).

- B2 requires Brand name that link Timetables and Fares. It will be provided through a PRODUCT CATEGORY.
- The NeTEx Part 3 documentation will need to provide explanations and examples on how to go from a trip (based on NeTEx Part 1&2) to a fare.
- The usage of UML composition in NeTEx Part 3 is coming from the automatic import of Transmodel is often not used appropriately. Once the model stabilized, a walk through these compositions will need to be done in order to clean them.
- A long discussion took place about SALES PACKAGE ELEMENTs and the way to connect them to FARE PRODUCTS. It had to be reminded that the TYPE OF TRAVEL DOCUMENT is related to this SALES PACKAGE ELEMENT. It should be avoided to redefine a new SALES PACKAGE ELEMENT- TYPE OF TRAVEL DOCUMENT for each FARE PRODUCT and combination of FARE PRODUCT that can be hosted on a same TYPE OF TRAVEL DOCUMENT. A SALES PACKAGE ELEMENT can already be linked to several FARE PRODUCTS but 2 kind of links are needed:
 - You can use one (and only one) of these FARE PRODUCTS with this SALES PACKAGE ELEMENT
 - You can use a combination of these FARE PRODUCTS with this SALES PACKAGE ELEMENT

A possible modeling to solve this issue is the following:



This issue still needs additional work.

- The B2 *Grouped OD* is a group of DISTANCE MATRIC ELEMENT for Transmodel.
- TAP-TSI B2 doesn't make use of *Series*, but *Series Pattern* will be used to model the required *Via*.
- NeTEx Part 3 needs to be able to define a *Deposit* (amount you will pay/need to enter the network, a that will be reimbursed when exiting and

	<p>paying for the journey). It may depend on the Network, the Mode and in some case on the "longest possible journey".</p> <ul style="list-style-type: none"> • The B2 Tarrif Range is a Group of SALES PACKAGES. • TAP-TSI B2 requires Sales Conditions (added to NeTE_x). • Exchange and Refund needs to be two separated objects • The SALES NOTICE ASSIGNMENT doesn't really inherit from NOTICE ASSIGNMENT (it is a standalone concept). • There is a need for SALES PACKAGE Substitution information (to be used when the requested SALES PACKAGE is not available anymore). • TAP-TSI B3 requires rounding and capping rules (due to description of calculation rules). • Two concepts need to be (separately) taken into account: <ul style="list-style-type: none"> ○ Distribution: Where can I buy my ticket ○ Fulfilment method: Where (and how) will I get my ticket
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TOPIC	COMMENTS
<p><i>Part 1&2 questions from Bart Van Der Worp</i></p>	<p><i>Bart Van Der Worp</i></p> <p><i>See slides: Bart vander Worp part 1 - 2.ppt</i></p> <p>Bart Van Der Worp has presented a set of questions (most discussed by mail before) raised when using NeTE_x Part 1&2 in Netherlands.</p> <ul style="list-style-type: none"> • There is a request that AVAILABILITY CONDITIONs could Ref several objects: this is not accepted as is, but it seems that introducing the possibility to use the Generic Grouping mechanism on VALIDITY CONDITIONs could solve the issue. Nick Knowles will allow this in the XSD. • A "monitored" attribute needs to be added to VehicleJourney in XSD. • Notice needs to be possibly linked to PointInJourney pattern to conform the model. • The need of a separate day offset on departure can be solved by a simple rule: if the departure time is before the arrival time, this means that the departure is the days after the arrival (the only constraint being therefore "no stay longer than 24h"... note: in case of such situation, use 2 different <i>TimetabledPassingTime</i> one for arrival (with no departure) and the following for departure (with no arrival) and of course 2 different <i>DayOffset</i>). <p><i>Note: the meeting decision was to add a <i>DepartureDayOffset</i>, but this may not be required with this proposed rule (the idea of having use 2 different <i>TimetabledPassingTime</i> was added after the meeting).</i></p> <ul style="list-style-type: none"> • An open ended code for StakeholderRoleType and DataRoleType needs to be added in XSD.