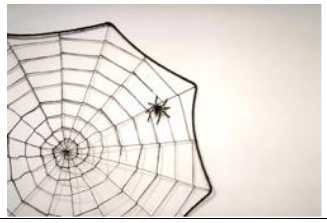
MINUTES OF THE UTRECHT TC/278 WG3 SG9 MEETING (NeTEx)



Location	**Brussels (CEN)**		Date 2011-02-07
Project	NeTEx		
Subject	***SG9***		
	Andrej	Tibaut	Maribor University
	Ulf	Bjersing	Hogia
	Winfried	Bruns	VDV
	Henno	Willering	Bison
	Stefan	de Konink	Stichting OpenGeo
	Nick	Knowles	Steam Intellect
	Gustav	Thiesing	Blic
	Stefan	Jugelt	ERA
	Gergely	Nitsch	One Planet
	Kjell-Erik	Eilertsen	Entur
	Kristian	Syversen	Entur (Sopra)
	Lars	Lundby	Entur
	Stephanie	Leonard	EC
	Fabrizio	Arneodo	5T
	Christophe	Duquesne	Aurige
	Kasia	Bourée	KBIC
	Andrew	Steele	Silver Rail
Writer	Christophe DUQUESNE (Aurige)		

Next meetings:

Wednesday - March 29th	Paris or Web conference (to be confirmed)
Tuesday – June 13th	Brussels
Tuesday – October 17th	Brussels

The presentations are too big to be attached to the minutes' mail. They are available on the Basecamp site of the project (1-Brussels Faburary 7th 2017 in the Meeting folder). If you need access to it send a mail to christophe.duquesne@aurigetech.com .

Action plan and decisions

What	Who	When
Change request shall be sent to Christophe Duquesne who will number them (to avoid numbering conflict) and publish them on Basecamp	all	now
Check the EU proposed profile against the national profile	To be done at each country level	During the development phase of the profile
Provide a simplified XSD for the profile	The Netherlands	Once the profile content will be defined
Propose a first extract of selected concept	Christophe Duquesne Stefan de Konink Kristian Syversen	Before March meeting (29th)
To provide XML examples to be inserted in the document.	Ulf Bjersing Nick Knowles Andrej Tibaut Stefan de Konink Kjell-Erik Eilertsen	Once the Profile's content will be defined
To provide consistency check rules	Nick Knowles Christophe Duquesne	Once the Profile's content will be defined
Propose a generic Translation object	Nick Knowles	Before March meeting (29th)
Review CRs, propose answers and solutions on Basecamp	All	Before March meeting (29th)

Minutes

A lot of information are available in the associated presentations and documents: these minutes only provide a short summary, additional information and main discussed topics.

TOPIC	COMMENTS
Introduction	*Christophe Duquesne* *See Document: NeTEx-Brussels Feb 7th -2017-CD-Slides v1.pdf* Short introduction to the scope of the work item and to the Basecamp project (see slides).

TOPIC	COMMENTS
ITS Directive Priority action A	*Stephanie Leonard* *See Document: ITS Directive MMTIS NeTEx WG3 CEN 07 02 2017.pdf* **ITS Directive Delegated Regulation** Stephanie Leonard presents the ITS Directive designed to establish a framework for coordinated and effective deployment and use of ITS across Europe, and its priority action A: the provision of EU-wide multimodal travel information services. All public transport modes are in the scope, including new modes of transport, but only static data are mandatory, dynamic data being also expected, but optional. The action concerning parking *(slide 3)* will be managed later on. Each country will have to setup a National Access Point (NAP) to provide its national PT data (but there are no specific rules required inside each country). NAPs will have to use the CEN NeTEx (static) and SIRI (dynamic) formats to provide their data. This requires the development of common EU profile for NeTEx. The final draft of the priority action A will be available in following weeks.

TOPIC	COMMENTS
TAP TSI	*Stefan Jugelt* *See Document: Revision of TAP TSI - impact on NeTEx.pdf* **Revision of the TAP TSI** TAP TSI will be revised by 2019 in order to close all its open points. Slide 7 introduces use of NeTEx Part 3 as a harmonized standard for tariff data intended for domestic sales. There is no hierarchy between the TAP-TSI and the ITS Directive, but some synchronization is expected. The presentation is mainly focused on the use of

	NeTEx for domestic fares, but the old EDI will probably still be used for a long time for timetable information. NAPs will provide links to the Rail Access point. However it would be a good point if the NeTEx profile was also designed to support the TAP-TSI timetable in order to allow an easy conversion from the EDI format to the NeTEx format following the European profile. Common open source shared tools could be used for such translation.

TOPIC	COMMENTS
Sweden	*Ulf Bjersing* *See Document: UB_20170207_NeTEx_PA3.pdf* **<u>Use of NeTEx in EBSF2 and NOPTIS</u>** One of the decision point Hogia had to face in its project is the choice between normalized or de-normalized profile (*https://en.wikipedia.org/wiki/Denormalization*) since NeTEx allows both. The choice was done in favour of de-normalized solution (i.e. meaning the use of Call, and available views proposed by NeTEx). Some feedback on the use of TimeDemandType, object reference data and stable IDs (required), matching of objects, etc. are presented (see slides). Two change requests are proposed by Sweden.

TOPIC	COMMENTS
Germany	*Gustav Thiesing* *See Document: NeTEx VDV Application Handbook_V02.pdf* *NeTEx VDV Change Requests.pdf* **<u>German handbook and profile</u>** Gustav Thiesing present a NeTEx Handbook that was elaborated in Germany in order to help authorities, operators and IT companies to start up with NeTEx. This is done for the context of Part 1&2 and taking into account the VDV452 compatibility issues. This is for now in German, but it will most probably soon be translated in English. Even if named "handbook" it is also a profile definition, introducing 3 levels of detail (Basic/Standard/Extended). EPTIS work (NeTEx TR) was used as one of the inputs for this work. It is expected to be published in May 2017 (provided that the submitted CRs are solved). Ten change requests are proposed by Germany.

TOPIC	COMMENTS
The Netherlands	*Henno Willering* *See Document: Dutch NeTex Profile.pdf* **Dutch NeTEx Profile** The Netherlands' BISON plan to migrate its KV series of standards to NeTEx and SIRI and has defined a NeTEx profile for that purpose. The target is Passenger Information, but also some fare information (including rails) and the definition of a national Stop database. One of the specificities from the other presentation is the use of a simplified XSD (but still 100% NeTEx compatible) in order to simplify and speed-up the use of XML related tools. One part of the feedback of the Netherlands is also that it has been difficult to start working with NeTEx: NeTEx needs some easy access, support and accompanying. What would be expected is : • a free online access to the standard (as for GTFS for example) • a default, open-source implementation, some examples, etc. • some guides and explanations about "why NeTEx": what you can expect from using it, what is it good at, etc. Six change requests are proposed by The Netherlands.

TOPIC	COMMENTS
Norway	*Kristian Syversen* *See Document: 2017-02-07-NeTEx-CEN-Norway.pdf* **Norwegian profile** In the context of its nation journey planning project, Norway has defined a NeTEx profile in order to collect nationwide data for stops and scheduled public transport information. The project goes much further than just a profile and includes a journey planner, but also a nation stop repository, real-time information and, later on, fare information. One of the important feedback is that good examples, easy to use tools (open source) and data validation rules and tools are mandatory. The operation beginning of NeTEx use is expected for June 2017. A standardized NeTEx based API is also expected. The trip planner (OTP *http://www.opentripplanner.org*) is directly fed through its API (no GTFS conversion). As being a Sweden neighbour, discussion had taken place with Hogia about the normalized/de-normalized and Call approach (see Ulf Bjersing's presentation). But as France, Norway is for now not using Calls.

	Five change requests are proposed by The Norway.

TOPIC	COMMENTS
UK	*Nick Knowles* *See Document: NetExUKProfile-v02.pdf* **Use of NeTEx in UK** Nick Knowles presented the way NeTEx was used in UK, in the context of NaPTAN, NPTG and TransXChange. UK has started using NeTEx very early due to the Olympics, with a focus on the detail modelling of Stop Places. Furthermore a NeTEx update for NaPTAN has also been drafted. A new NeTEx UK profile is expected for 2017 (covering the scope of NPTG / NaPTAN / TXC but not the TXC registration component). Although TfL is using NeTEx in the context of EBSF2, there is no link between the different projects. Nick Knowles emphasis that the profile needs to discuss and explain issues like how to combine Validity Conditions when there are several together. Six change requests are proposed by UK.

TOPIC	COMMENTS
France	*Christophe Duquesne* *See Document: NeTEx-Brussels Feb 7th -2017-CD-Slides v1.pdf* **French Profile European profile** France has defined a NeTex national profile. As for Norway, it is split in 4 parts (common elements, stops, network and timetables). These profiles were developed based on an agreed subset of concepts from Transmodel. It is now used by STIF (Paris, Ile-de-France Authority) and is currently under implementation in the open source Chouette tool (also including a cooperation with Norway): *https://github.com/afimb/chouette2* and *https://github.com/afimb/chouette* Eight change requests are proposed by France.

TOPIC	COMMENTS
EU Profile	*Christophe Duquesne and all*

	See Document: NeTEx-Brussels Feb 7th -2017-CD-Slides v1.pdf **<u>Scope and organization for the NeTEx European profile</u>** Note that all the input profiles are available on the Basecamp site. The main topics and questions are described in the slides. The proposed scope is agreed (see slide 26) It is decided to go for 3 documents (each having a detailed purpose with use case examples) : 1. common elements, 2. stops, 3. network and timetables It is expected that the EU Profile will, as much as possible, take into account existing national works and will keep things easy to convert one to the other. However the checking process will be done by each interested country during the development process: whenever an issue is discovered, it will be submitted to the group and discussed. A first extract of selected concept will be provided for the March meeting by Christophe Duquesne, Stefan de Konink and Kristian Syversen. This set of concepts will be discussed with the group and from that point the attribute selection will be done. VDV will also provide inputs to this task. Ulf Bjersing, Nick Knowles, Andrej Tibaut, Stefan de Konink and Kjell-Erik Eilertsen will provide XML example (once the content defined) to be inserted in the document. Nick Knowles and Christophe Duquesne will provide consistency check rules (once the profile's content is defined). The Netherlands will provide a simplified XSD for the profile The profile will take into account the fact that a national stop database (or even a European wide one for rail) may (or also may not) exist.

TOPIC	COMMENTS
Change Request	*Christophe Duquesne and all* *See Document: NeTEx-Brussels Feb 7th -2017-CD-Slides v1.pdf* **<u>Organization for the NeTEx change requests</u>** The main topics and questions are described in the slides.

	Part 3 review is not mandatory, however, if possible, it is expected to take advantage of this update to also update Part 3 in order to keep it fully consistent with the ongoing Tranmodel v6, Part 5, update. The misspelling issues, mostly pointed by Norway, are described. They are easy to fix, but some will lead to backward incompatibility when it is an enumerating code or an element name. Therefore it is decided that fixes will be done by adding a correct value, but keeping the old with a "deprecated" comment. Each CR will be discussed online (Basecamp) and one validated, all implementations of a CR will be done "at once": XSD + Physical Model + Document altogether (one contributor provides the 3 updates together to Christophe Duquesne for integration). It is expected that for the March meeting, most CR will have a proposed answer that will be validated during the meeting.

TOPIC	COMMENTS
Change Request discussion	*VDV and All* *See Document: German change requests (see basecamp)* **<u>Discussion of the German CRs</u>** In order to meet the scheduled date for the VDV NeTEx Handbook, Germany needs some first answers to their CRs ASAP. So a first detailed walk through these CRs was done. (see the detail of CR on Basecamp).

CR1	Agreed
CR2	Why not using Validity Condition: open discussion
CR3	Alternate names are only part of the answer and only provides a solution for names (not for Descriptions, etc.). It is agreed that a generic Translation object will be proposed (action NK).
CR4	Agreed
CR5	Agreed but with an additional check from Ulf, Nick and Christophe
CR6	Agreed but with some "tuning" from Nick
CR7	Rejected (already available, but the physical model has to be checked)
CR8	Agreed but with an update from Ulf and Nick (prefer distinct interchange rules)
CR9	Rejected (already available, but the physical model has to be checked)
CR10	Rejected: there is already an order in the hierarchy, but Document should be updated for more clarity.