



TN-ITS

Map Update Exchange

DATEX-TN-ITS merger

TN-ITS inputs

7-11-2023



Co-funded by
the European Union

Agenda

Recap :Creation of Standards workgroups

Tech workgroup:

- Considerations
- Status

Governance workshop

- The merger

Recap: Creation of workgroups

- Tech workgroup
- Governance and comms workgroup

I) Tech workgroup

- TN-ITS considerations
- Status

Considerations: TN-ITS Standards: status today

CEN

TC278

TN-ITS platform is a
liaison org

Loic Blevé

WG7:
Geographical road data
ITS spatial data

WG8:
Road traffic data

Jon H Booth

Workitem I7268:TN-ITS
Status TS27268: REVISE
(systematic review-
Promote to European
Norm (EN))

Workitem I6157 DATEX

ISO

TC204-WG3

Considerations: TN-ITS /DATEX II merger: standards approach

CEN

TC278

TN-ITS platform remains a
liaison org

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WG7:
Geographical road data
ITS spatial data

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Road traffic data

Jon H Booth

~~Workitem 17268: TN-ITS
Status TS 17268: REVISE
(systematic review-
Promote to European
Norm (EN))~~

Workitem 16157 DATEX/TN-ITS

TN-ITS separately addressed as
ITS-DATEX II... part X-TN-ITS

ISO

TC204-WG3

Considerations: TN-ITS in TC278 WG8 I6I57: Impact analysis

CEN

TC278

WG8:
Road traffic data

Workitem I6I57 DATEX/TN-ITS

TN-ITS seperately addressed as
ITS-DATEX II... part X-TN-ITS

Item	Pro	Con
Content	No difference expected	
Presence in WG7 TC278	Possible	
Presence in WG8 TC278	Possible	
Lisbon declaration	In line	
DATEX part I issue (framework)		Must be adapted to support TN-ITS
DATEX part II issue (traffic mgt)	Overlap DATEX II/TN-ITS can be better handles in the standards org	
EN standard objective	Better chance as DATEXII has already some EN status	
Brand visibility	Expected to be increased	
Commission expectation	In Line	
Resources	Optimised and increased	

Considerations: Standards strategy: How do we merge within I6I57?

- Option 1:
 - Create a DATEX II part 14 and copy paste CENTS I7268 in it
 - Option 1+ = Option 1+ alignment and harmonisation on static data
- Option 2:
 - Split up TS I7268:
 - For data: unify to one common static data layer DATEX II part 11
 - For exchange : create Datex II part 14 describing the TN-ITS exchange methodology (XSD-XML and updates...)
- For obtaining EN
 - ? Create DATEX II part 15 describing compliance rules (Napcore deliverable M4.2.6 (available) & 7 (coming de 2024))

Considerations: Pro and con: option I

	Very good		Neutral		Attention point	Negative
Option1:		TN-ITS		DATEX II		
Brand recognition	Yes, DATEX brand with TN-ITS name in it maintained			Same		
Guaranteed Uptake of TN-ITS	Improved: DATEX brand is more recognised					
Legacy	OK			OK		
EN possibility	Possible			Possible		
CEN presence	WG7			WG8		
Platform	As per today					
Effort	Easy			Easy		
Avoid Confusion in market	Less guarantee-Part 11 and part 14 may differ			Less guarantee-Part 11 and part14 may differ		
Commission/NAP CORE SCOM expectation	Expected more			Expected more		

→ Can be solved by the co-operation agreement stating that an alignment is needed when either part 11 and/or part 14 is altered.

Considerations:

Pro and con: option 1+

	Very good		Neutral		Attention point	Negative
Option 1+		TN-ITS		DATEX II		
Brand recognition		Yes, DATEX brand with TN-ITS name in it maintained		Same		
Guaranteed Uptake of TN-ITS		Improved: DATEX brand is more recognised				
Legacy		Less: harmonisation will require name and coding updates		Less: harmonisation will require name and coding updates		
EN possibility		Possible-more guaranteed		Possible-more guaranteed		
CEN presence		WG8		WG8		
Platform		As per today				
Effort		More		More		
Avoid Confusion in market		will require continuous effort		will require continuous effort		
Commission/NAP CORE SCOM expectation		Expected more		Expected more		

Considerations:

Pro and con: option 2

	Very good		Neutral		Attention point	Negative
Option 2		TN-ITS		DATEX II		
	Brand recognition	Yes, DATEX brand with TN-ITS name in it maintained		Same		
	Guaranteed Uptake of TN-ITS	Less sure-TN-ITS is not immediately recognisable in this standard				
	Legacy	Less: harmonisation will require name and coding updates		Less: harmonisation will require name and coding updates		
	EN possibility	Possible		Possible		
	CEN presence	WG8		WG8		
	Platform	???				
	Effort	a lot		a lot		
	Avoid Confusion in market	Garanteed		Garanteed		
	Commission/NAP CORE SCOM expectation	Strong 'road standard'		Strong 'road standard'		

Considerations

Pro and con: option 2

	Very good	Neutral	Attention point	Negative
Option 2	TN-ITS		DATEX II	
Brand recognition	Yes, DATEX brand with TN-ITS name in it maintained		Same	
Guaranteed Uptake of TN-ITS	Less sure-TN-ITS is not immediately recognisable in this standard			
Legacy	Less: harmonisation will require name and coding updates		Less: harmonisation will require name and coding updates	
EN possibility	Possible		Possible	
CEN presence	WG8		WG8	
Platform	???			
Effort	a lot		a lot	
Avoid Confusion in market	Garanteed		Garanteed	
Commission/NAP CORE SCOM expectation	Strong 'road standard'		Strong 'road standard'	

→ Proposal 3:

Extend part I I attributes with indicators 'add-remove-change' and describe in part I 4 that if this indicator is resent and automated TN-ITS feed is generated.

Status:

TN-ITS –DATEX II merger- standards go forward

- The idea of the roadmap: (cfr Vienna 22-25/10/2023)
- Go from option I+ (NAPCORE I)
 - In the initial phase, CEN TC278 WG7 will initiate a limited revision of CEN TS 17268:2018, while maintaining the same target. This revision will incorporate the findings from the CEF TN-ITS GO project and the NAPCORE deliverable: M4.0.1, titled "TN-ITS and the ecosystem of mobility data standards".
 - This step will also address as many semantic or ontological issues as possible to kickstart the merging process. However, the original methodology, based on ISO/TC 211 standards and GML, will be retained. Nevertheless, it is agreed to integrate this revision as part of the CEN TC278 16157 series. In terms of schedule, the aim is to circulate a first draft by either April or June 2024 for a formal CEN vote by the end of 2024
 - In the subsequent phase, once the new DATEXII methodology stabilizes, a second revision will be undertaken to apply this new methodology and transform this specification into a full EU Standard (EN).
- Approx 80 harmonisation items have been identified
- Further work on integration of tools with DATEX
 - E.g.: Bugzilla, Communication and dissemination, Azure topic tracker, ...
- to option 2 @ NAPCORE 2

Governance

TN-ITS –DATEX II merger-recap

- WHY do we do it?
 - Guarantee the TN-ITS Uptake , uptake , uptake, uptake,.....
 - Necessity to go for EN
 - Avoid standards confusion in the market
 - Necessity to align with DATEX part I I, and small rework on Part I

Recap: decisions taken by TN-ITS board

- Declaration of Lisbon signed
- Go for the merger:
 - Single brand
 - Governance of both standards remain separate
 - Single effort on the data enhancement
 - Single effort on Dissemination and Communication to enhance joined proliferation
- Creation of workgroups
 - Tech workgroup
 - Governance and comms workgroup

The merger :

Identified strengths and weakness

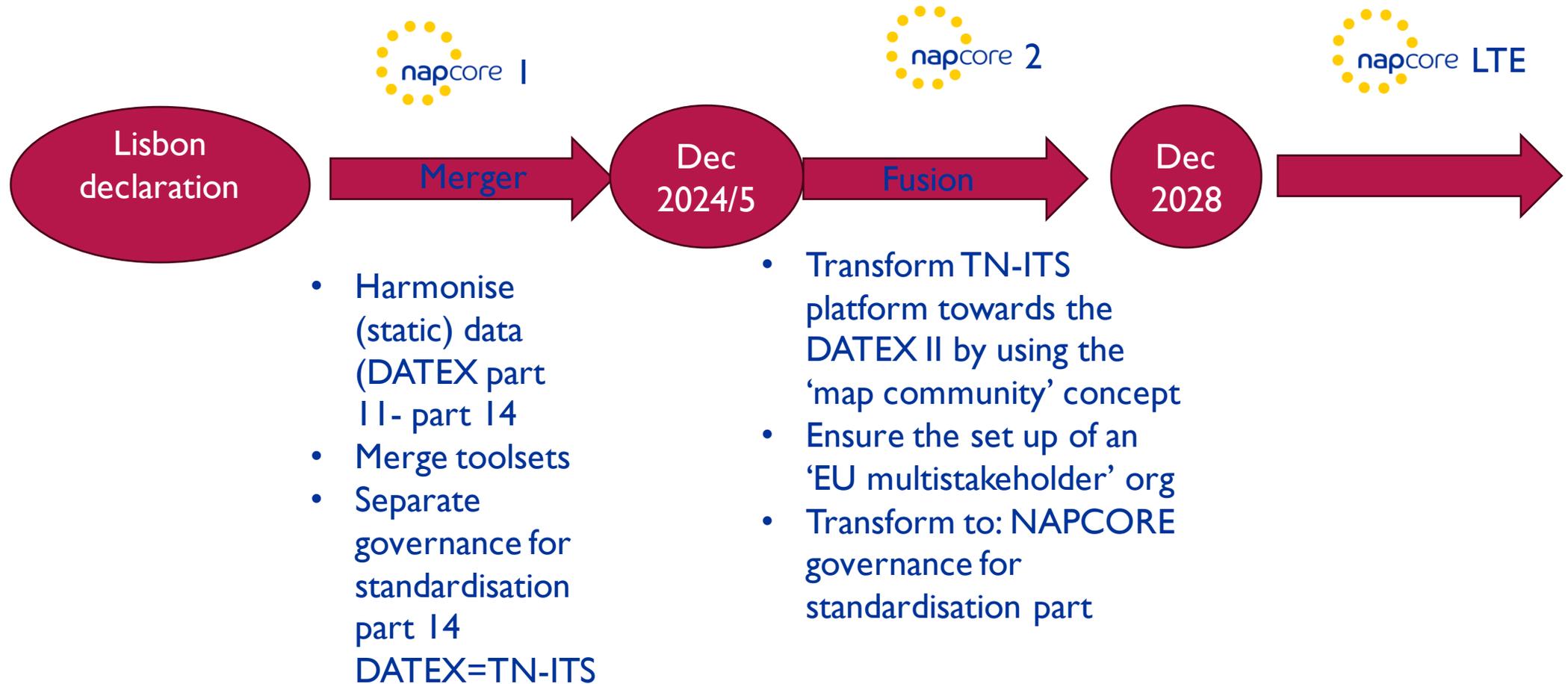
Strenghts

- TN-ITS stays a focussed service towards the eco system => It serves the user groups
- Technical specification stays light footed and easy maintenance
- Established governance
 - TN-ITS has a structure, legal entity and an ongoing revenue to operate
 - TN-ITS remains in charge of own decisions
- TN-ITS benefits from joint forces and resources on common topics, such as data chain enhancements, communication and dissemination
- Improvement of the 'brand' recognition for TN-ITS

Weakness

- Consensus building between DATEXII and TN-ITS will demand effort for the supporting the single brand

Roadmap (Cfr Vienna 22-25/10/2023)



Q&A