



## Transport Network ITS Spatial Data Deployment Platform



General Assembly - 17 June 2014 - Helsinki, Finland

# TN-ITS General Assembly

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## Opening and welcome

Hermann Meyer

*CEO ERTICO - ITS Europe*



# TN-ITS General Assembly

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## Keynote speech

Claire Depré

*Head of Unit, European Commission, DG MOVE*



# Adoption draft minutes first General Assembly

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- To be found at TN-ITS web site under: Documents/TN-ITS
- ITS Romania was provisionally listed as a member of the category Active, with the following note:
  - Note: ITS Romania has signed the Memorandum of Understanding but, however, at the time of the voting, it was not clear if the organization had been mandated by the ministry or the national mapping agency to act as ITS spatial data owner. If ITS Romania receives the mandate from the relevant Romanian Public Authority, it will be considered as Founding Member.
- Proposal:
  - remove the qualification Active for ITS Romania
  - remove the note
  - adopt the minutes with these changes implemented

# Report to the General Assembly

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- Foundation 5 June 2013 at inaugural General Assembly, Dublin
- Eight founding members
  - Norway, Sweden, Finland, Flanders, Ireland, the UK, Nokia/Here, TomTom
- Objective
  - To give support, on a permanent basis, for the implementation of priority actions 1.2 and 1.3 of the 'Action Plan for the Deployment of Intelligent Transport Systems in Europe' of the European Commission (for short 'ITS Action Plan') of 16 December 2008, as published in document COM(2008) 886 final/2 of 20 March 2009 (corrigendum to the original document).
- Mission statement
  - To facilitate and foster, throughout Europe, the digital maintenance of ITS-related spatial data at public road authorities, the immediate exchange of such data between public road authorities as data providers, and map makers and other parties as data users, and the timely integration of such data on the side of ITS map providers.
- Public authorities make the changes, and are therefore the most efficient source for updates



# 30 years evolution of the digital map for ITS

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- 1984 foundation of Tele Atlas, Belgium
- 1985 foundation of Navigation Technologies (NavTech), USA
- 1985 start of GDF development (Demeter project)
- 1986 start of the development of the Carin **navigation** system (Philips)
- 1991 foundation of European Geographic Technologies (EGT), The Netherlands
- 1995 (around this time) first use of term ADAS and gradual start of development (from ~1999 real take-off)
- 1996 first factory-installed vehicle navigations system (Carin, BMW)
- 1996 Philips merges EGT into NavTech, headquarters Chicago
- 1996 completion of CEN GDF 3.0 as ENV14825:1996
- 1999 IN-ARTE project, on integration of **ADAS** applications
- 2000 Tele Atlas acquires Etak (USA) from Sony
- 2001 foundation of the ADASIS Forum
- 2004 start of EU-funded PReVENT/MAPS&ADAS project (Feb 2004/Jan 2007)- developed ADASIS v1
- 2004 start of the work on the Navigation Data Standard (NDS)
- 2004 Navigation Technologies renamed to NAVTEQ & NYSE IPO
- 2004 completion of ISO GDF 4.0 as ISO14825:2004
- 2006 start of SAFESPOT (01/2006-12/2009) and CVIS (06/2009-06/2010) projects on **cooperative systems**
- 2007 TomTom acquires Tele Atlas
- 2008 Nokia acquires NAVTEQ
- 2011 Nokia integrates NAVTEQ as a division
- 2011 completion of ISO GDF 5.0 as ISO14825:2011
- 2012 gradually increasing interest in **automated driving**, start WG Automation of iMobility Forum
- 2013 NAVTEQ renamed to HERE
- 2013 foundation of the Transport Network ITS Spatial Data Deployment Platform



# Report to the General Assembly

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- Topics to be discussed later
  - Membership / Working groups / Standardisation
- Board
  - two physical meetings (27-06-2013 and 21-01-2014), one conference call meeting (17-09-2013, on the Annual Plan and Budget)
- European Commission / DG MOVE
  - strong support for TN-ITS
  - intensive liaison with DG MOVE, especially on Specification (b)
- European Commission / Joint Research Centre (JTC)
  - strong support, participation in several WGs
  - proposed to set up the Transportation Pilot
- Transportation Pilot
  - showcase that INSPIRE (environmental) can be used in other sectors
  - JRC (EULF project) teams up with TN-ITS and ELF project
  - more in session SW05 Wednesday 16:00 (joint session with INSPIRE Congress in Aalborg)



# Report to the General Assembly

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## - Finance

- Increase of membership is essential for securing continued financing of the activities of TN-ITS
- ERTICO and NPRA have helped to start TN-ITS, by providing substantial financial support for 2013 and 2014
- ERTICO is likely to continue a part of the TN-ITS fees of its members
- But in the end TN-ITS should become, as the Term of Reference indicate:
  - "a self-funding partnership between Public Authorities and other organizations responsible for road data, and Map Makers and other third parties"

## - Conclusion

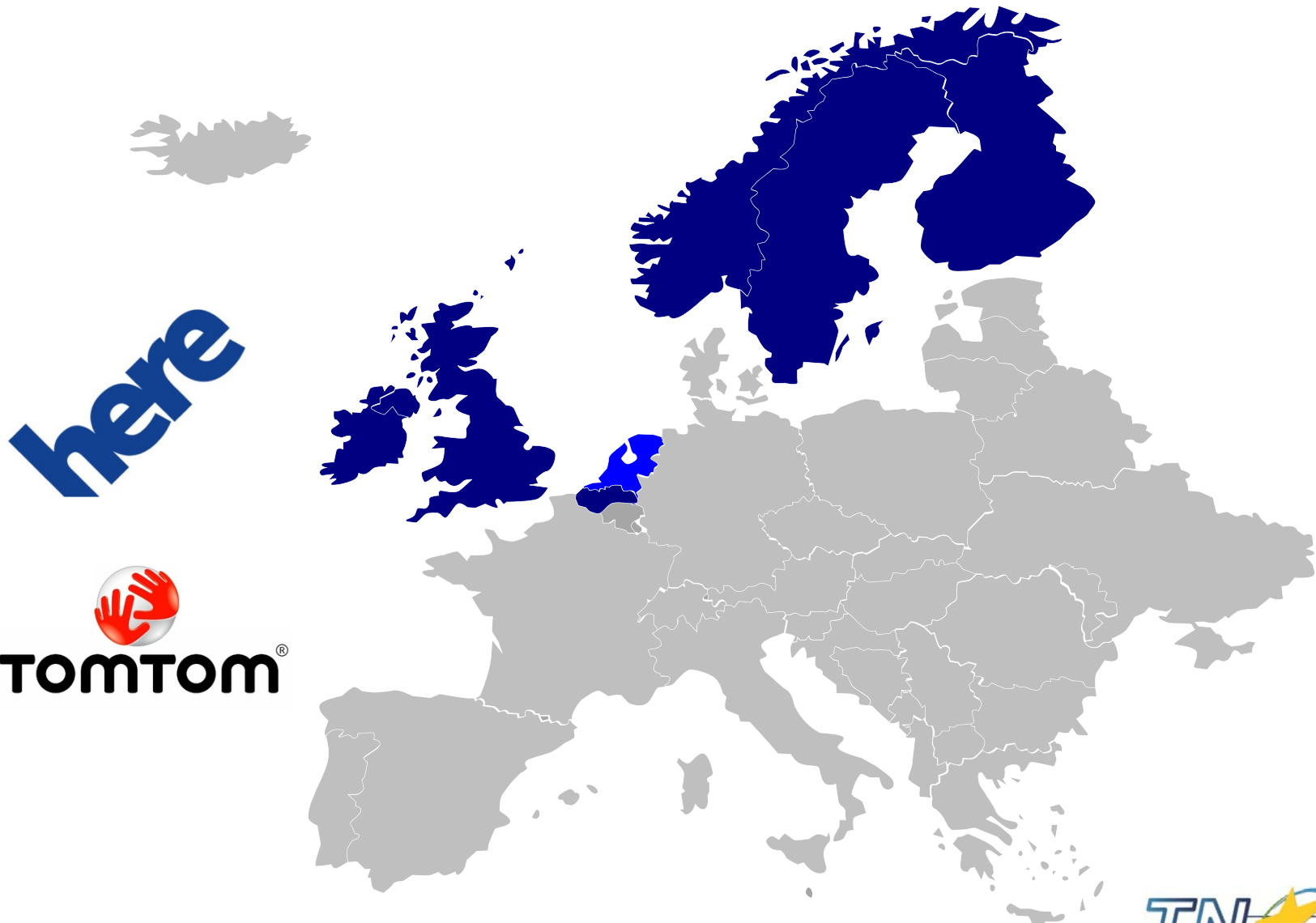
- substantial progress was made in starting up and establishing the platform, and in initiating its core activities
- to make TN-ITS sufficiently interesting for members to be part of it, a significant increase of the membership is required for 2015
- Transportation Pilot is a promising activity in terms of:
  - strengthening the links with the European Commission and INSPIRE
  - doing some actual roll-out of TN-ITS services





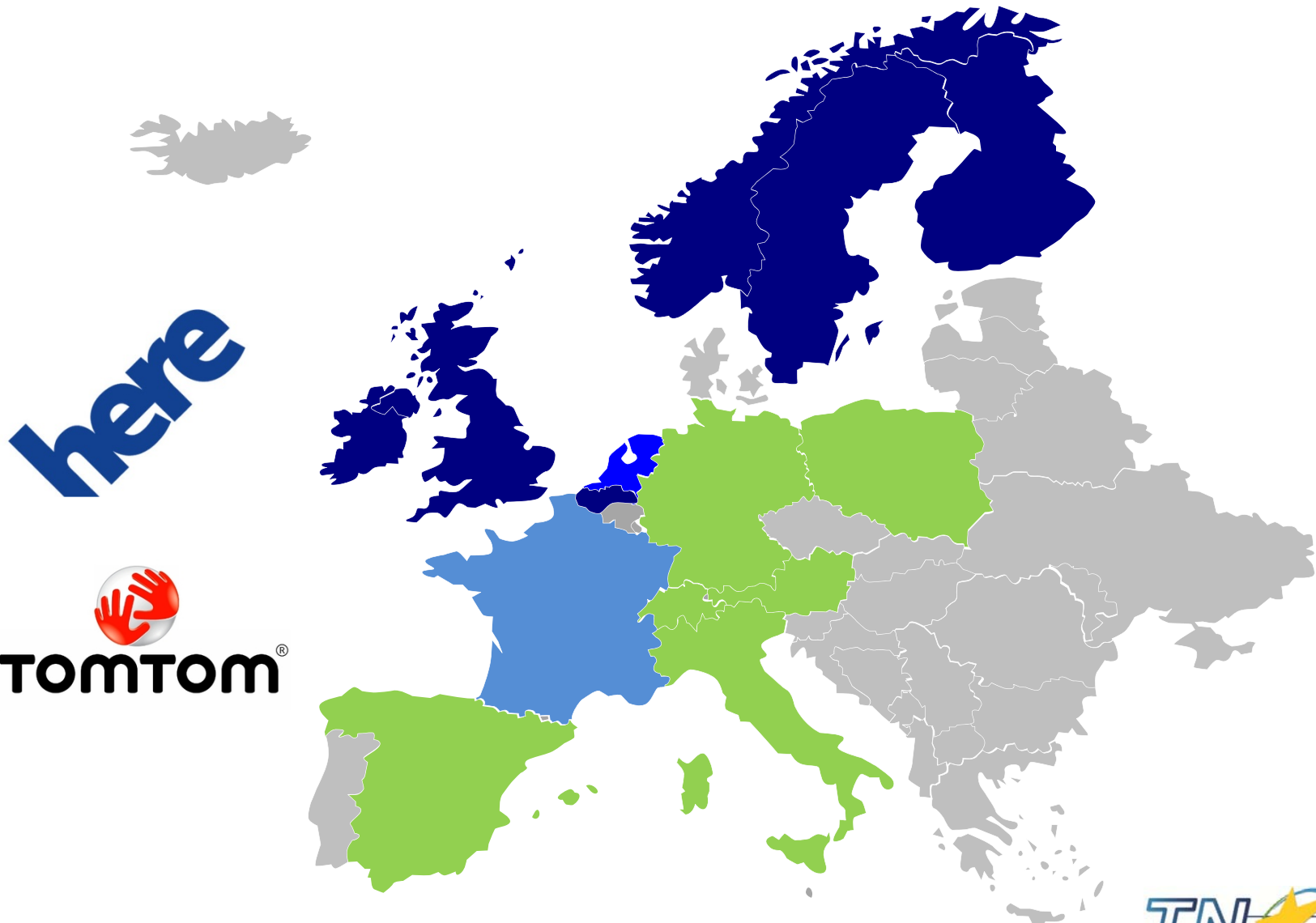
# TN-ITS membership - current members

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# TN-ITS membership - prospects

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# WG 1 - Location referencing

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- Mission statement:
  - Assess and advance ITS Location Referencing solutions for the exchange of 'Road Safety Information' between data providers and data users.
- WG members

Name	Organisation
Stephen T'Siobbel (WG Leader)	TomTom
Leif Johansson	Trafikverket
Per Isaksson	Trafikverket
Per Olof Svensk	Triona
Lars Wikström	Triona
Graham Vowles	Joint Research Centre
Kees Wevers	ERTICO
Ahmed Abu El Nasr	Nokia/HERE
Thilo Ernst	Fraunhofer

# WG 1 - Location referencing

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## - Tasks and deliverables 2013/2014

Main tasks	Deliverables	Status
Collect information and report upon applicable existing and emerging LR methods, conditions of use, experts	Guidance document	On-going
Monitor need for new requirement for LR methods, review assessments	Report on new requirements, methods and assessments	Not started
Assess the need & technical opportunities for a sandbox for different LR methods	Report on Sandbox and testing functionality	Start Q3 2014
Monitor relevant international (standardisation) activities wrt LR, identify (subsidy) opportunities to advance LR technology and standardisation	Report on Cooperation and Opportunities	On-going

# WG 2- Specifications and standardisation

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## - Mission statement

- Working along the consolidation of specifications with other existing documents (e.g. EuroRoadS, INSPIRE) and standardisation of the ROSATTE framework interfaces, services, data exchange format). The WG is considered to coincide with the INSPIRE SDIC - "Transport Network ITS Spatial Data" and CEN/TC 278/WG 7 - "ITS Spatial Data". Links to ISO, CEN, ETSI and JRC to be established or maintained.

## - Members

Name	Organisation	Name	Organisation
Martin Fredriksen	NPRA	Knut Jetlund	NPRA
Per Anderson	NPRA	Markus Melander	FTA
Johanna Borup	Nokia/HERE	Matti Pesu	FTA
Bert Boterbergh	MOW (Flanders)	Jenny Rassmus	Trafikverket
Nele Dedene	MOW (Flanders)	Graham Vowles	JRC (EC)
Magnus Haugsand	NPRA	Lars Wikström	Triona
Trond Hovland	ITS Norway	Kees Wevers	ERTICO

# WG 2 - TN-ITS and standardisation

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- Within TN-ITS, the standardisation activities are in the domain of its WG 2 - Specifications and standardisation
- Currently only one standardisation activity is foreseen
- This concerns the deliverable D 3.1 of the ROSATTE project, which has the title: "Specification of data exchange methods"
- This is a rather mature document, but it needs formalisation
- Also further alignment with INSPIRE is planned
- For formalisation two options were originally identified:
  - make the document an extension of the INSPIRE specification "Transport Networks"
  - through CEN/TC 278, as a TS or an EN
- In the mean time it became clear that an INSPIRE extension document does not have a formal status
- Therefore the plan is now to follow the CEN path
- Standardisation at this stage through CEN is logical in view of the current specific European focus of the specification



# WG 2 - CEN/TC 278/WG 7 "ITS spatial data"

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- For this purpose last year September, at its Plenary meeting, CEN/TC 278 adopted a proposal to revive its dormant WG 7, and to rename it "ITS spatial data"
  - this WG played an important role in the past in developing the first version of GDF, and in developing TMC location referencing
- Also a Preliminary Work Item was adopted by the TC last year September, to develop the ROSATTE deliverable into a CEN TS
- The choice for a TS was inspired by the fact that the time needed to create it is about one year shorter than for an EN
- Once the TS has been established, it may be converted to an EN in a next step
- WG 7 will closely cooperate with TN-ITS/WG 2, and also with the INSPIRE community and the JRC (the overall technical co-ordinator of INSPIRE)

# WG 2 - Schedule standardisation TN-ITS specification

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The following schedule for creating the CEN TS is planned; this will be discussed in a TN-ITS/WG 2 teleconference meeting tomorrow, and hopefully adopted; total duration about 12.5 months from start

- Activation of the PWI by CEN/TC 278 ballot - 6 weeks
  - during this period WG 2 will once more review the current document and prepare it for circulation to the TC (minor editorial work)
- TC 278 internal review and comments - 6 weeks
  - this is a TC internal review; a formal combined TN-ITS/WG 2 and TC 278/WG 7 meeting may be organised during this period to give WG 7 member the opportunity to discuss the document
- Short comments resolution period - 3 weeks
  - to be carried by small task force, and results to be confirmed by WG 2 and WG 7 in another combined meeting (possibly by teleconference)
- CEN approval stage, duration fixed - 8 months
  - unfortunately this is a lengthy process the duration of which cannot be influenced





# WG 3 - Implementation support

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## - Mission statement

- WG 3 has the following goals: provide guidelines, best practices, Q&A and dedicated support for the implementation of road data maintenance, adequate quality procedures, the TN-ITS exchange infrastructure and certification. The focus is of the work of WG 3 is on the data provider side.

## - Members

Name	Organisation
Anna Johansson Jacques (WG Leader)	Trafikverket
Johana Borup	Nokia/HERE
Bert Boterbergh	MOW Flanders
Per Isaksson	Trafikverket
Lars Wikström	Triona
Kees Wevers	ERTICO

# WG 3 - Implementation support

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## - Main Achievements 2013-2014

Main tasks	Deliverables	Status
Establish pool of experts supporting WG5	Procedures and contact list for pool of experts	In progress
Investigate the need and content of a Demo kit for the ROSATTE provision service	Report on contents of Demo Kit	In progress
Analyze the requirements on Implementation guidelines	Defined content of Implementation Guidelines	In progress
Investigate how to support countries lacking road network data	Report on how to support data providers lacking data store	To be started

- Challenges for next steps
  - Staffing of pool of experts
  - Input from other organizations
  - Dissemination of results

# WG 3 - Implementation support

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- Next steps 2014-2015

Main tasks	Deliverables
Staff pool of experts	Pool of Experts staffed and engaged
Intensified collaboration with WG4 (generic tools and reference implementation)	Possibly revised requirements for Demo Kit Requirements on other tools
Analyze results from the ongoing implementation of TN-ITS services between Swedish Transport Administration and HERE	Guidelines for data receivers

# WG 4 - Generic tools and reference implementation

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- Mission statement
  - Working with the goal of providing generic tools and reference implementation in order to provide generic parts of the implementation of a ROSATTE framework to TN-ITS members. Tools for Interoperability testing, quality control and location referencing conversion are targeted.
- status
  - John McCarthy (Department for Transport Tourism and Sport, Ireland) accepted recently to lead the WG
  - The plan is to activate the WG soon
  - No members listed yet

# WG 5 - Policy, awareness, dissemination and liaison

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## - Mission statement

- Conduct liaison actions, provide policy contributions along the current EU Directives (ITS, INSPIRE, PSI) and national policy, and promote and disseminate TN-ITS activities to a wider public.

## - Members

Name	Organisation
Nick Illsley (WG Leader)	UK Department for Transport, UK
Maxime Flament	ERTICO
Jennie Martin	ITS UK
Hans Nobbe	Rijkswaterstaat
Graham Vowles	EC Joint Research Centre
Kees Wevers	ERTICO

# WG 5 - Policy, awareness, dissemination and liaison

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- Workplan 2013
  - Establish the WG
  - Contribute to a standard TN-ITS presentation and other relevant information material
  - Contribute to the content of the TN-ITS web site
  - Contribute to information material both in printed and digital format
  - Give presentations at specific occasions
- Highlights of 2013
  - 15-04 Member States Experts meeting (presentation, discussion)
  - 20-06 European ITS Committee meeting (presentation, discussion)
  - 14-11 First WG 5 meeting as part of joint WG meetings Stockholm
  - 20-12 WG 5 meeting by conference call
  - first version web site early November, gradually improved and extended

# WG 5 - Policy, awareness, dissemination and liaison

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- Workplan 2014
  - Identify target audience
  - List key events at which TN-ITS needs to be present and possibly give presentations
  - Contribute to a standard TN-ITS presentation and other relevant information material (inter alia leaflet)
  - Contribute to the content of the TN-ITS web site
  - Find a non-technical message for selling internally and externally the TN-ITS membership
  - Liaise with the European Commission DG MOVE on Specification (b) of the ITS Directive
  - Liaise with the INSPIRE Maintenance and Implementation WG

# WG 5 - Policy, awareness, dissemination and liaison

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## - Highlights of 2013

05-02 Presentation at IGN

06-02 Presentations at LDM Workshop Ecole des Mines, Paris (on "Digital maps for ITS" and "Locations referencing")

14-02 Liaise with DG MOVE on specification (b) ITS Directive, provide thoughts and inputs

17-02 Presentation at EasyWay Maps workshop, Brussels

27-02 Meeting and discussion with representatives of Austria and Switzerland, following a Member States Experts meeting

26-03 Presentation at CEN/TC 278/CHOD meeting, Versailles

16-04 Invited session "TN-ITS: Establishing the data chain for ITS spatial data", at Transport Research Arena, Paris

Gradual further improvement and extension of web site

Produce update of Fact Sheet and Policy Paper

Extensive and ongoing liaison with the EC's Joint Research Centre, on Transportation Pilot





# Report of the Treasurer

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## - Budgeted revenues for 2013

source	membership fee (EUR)	current members	revenue (EUR)
Active members, EP	0	8	0
Active members, non-EP	2,500	0	0
Advisor/Supporter members , EP	0	0	0
Advisor/Supporter members, non-EP	0	0	0
ERTICO contribution to cover fee reduction for its partners	N/A	N/A	20,000
extraordinary NPRA contribution	N/A	N/A	20,000
<b>total revenue</b>			<b>40,000</b>

*Source: Annual Activity Plan and Budget for the years 2013 and 2014*

# Report of the Treasurer

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## - Budgeted costs for 2013

Cost item	Cost (EUR)
Personnel cost	24,000
Travel and other costs	2,000
Overhead	14,000
<b>Total</b>	<b>40,000</b>

## - Cost result for 2013

Cost item	Cost (EUR)
Personnel cost	23,817.78
Travel and other costs	3,599.76
Overhead	12,415.44
<b>Total</b>	<b>39,832.98</b>

# Report of the Treasurer

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## - Budgeted revenues for 2014

source	membership fee (EUR)	estimated members	revenue (EUR)
Active members, EP	4,000	10	40,000
Active members, non-EP	6,000	0	0
Advisor/Supporter members , EP	400	7	2,800
Advisor/Supporter members, non-EP	600	5	3,000
ERTICO contribution to cover fee reduction for its partners	N/A	N/A	20,000
extraordinary NPRA contribution	N/A	N/A	16,000
<b>total revenue</b>			<b>81,800</b>

*Source: Annual Activity Plan and Budget for the years 2013 and 2014*

# Proposed amendment to the Terms of Reference

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- The Terms of Reference can be found at the TN-ITS webs site under Documents/TN-ITS
- Section 7.2 concerns "Types of membership and fees"; defines four types of membership, as follows:

Type	Description
Active	An Active member has an active role in constituting part of the data chain for ITS spatial data. It is either a public ITS spatial data provider (a public authority or other organisation acting as such), or an ITS spatial data user (a map maker or an other party bringing ITS spatial data by means of applications to the end user). Participating in working group(s).
Advisor	Advises one or more working group(s).
User	Non-active member using services of the Association.
Supporter	Supporting member, receives information about the business of the Association, invited to attend seminars and forum meetings held by the Association.

# Proposed amendment to the Terms of Reference

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- This leads to confusion, and provides for the current stage of TN-ITS, a too high level of distinction
- Currently only two types of members are needed:
  - the core members (ITS data suppliers and users, participating in the data chain)
  - other parties interested in TN-ITS, but not in the above category
- Currently we pragmatically use the terms:
  - Active members
  - Supporter/Advisor members
- Furthermore the term "Active member" is confusing by itself
- This was discussed last year in the Board, it was proposed to change
- A possibility would be to use:
  - Core members - description as for Active members
  - Supporter members - description combination of Supporter and Advisor
- Proposal to adopt change, final names to be decided



# Nomination of Board members

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## - Current Board as per the previous General Assembly

- |                          |             |                                |
|--------------------------|-------------|--------------------------------|
| - Kees Wevers            | President   | elected                        |
| - Maxime Flament         | Secretary   | ERTICO, ex officio             |
| - Stephen T'Siobbel      | WG 1 Leader | TomTom, member                 |
| - Martin Fredriksen      | WG 2 Leader | NPRA, member                   |
| - Anna Johansson Jacques | WG 3 Leader | Trafikverket, member           |
| - Nick Illsley           | WG 5 Leader | DfT, member                    |
| - Claire Depré           | invited     | DG MOVE                        |
| - Jennie Martin          | invited     | ITS Nationals (previous chair) |

## - Proposed new Board members

- |                 |             |                           |
|-----------------|-------------|---------------------------|
| - Ahmed Nasr    | Treasurer   | Nokia/HERE, member        |
| - John McCarthy | WG 4 Leader | DTTaS, member             |
| - Tanel Jairus  | invited     | CEDR                      |
| - Roman Srp     | invited     | ITS Nationals (new chair) |

## - Further proposal

- to keep Jennie Martin in the Board, as extra support for WG 5



# TN-ITS General Assembly

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Next steps  
Discussion / questions  
Any other business

End of meeting

Session SW05 Wednesday 16:00 on the Transportation Pilot - room 203  
(joint session with INSPIRE Congress in Aalborg)

