

TN-ITS Map provider Perspective



Working Session: Tom Jensen/TomTom 19 Jan. 2017

What are our (*TomTom*) needs?

- Freshness; getting regular change data for public road infrastructure and traffic regulation.
- Coverage; the more the better (but no coverage is too small)
- Consistency; reporting partners with similar update frequency and topics
- Value indication; priority of road update to serve majority of users.
- Stability; Full TN-ITS service dataflow from back- to front-end with limited downtime (IT architecture and hosting)
- Specification and standardization; harmonize and generalize road data in understandable way.
- Quality; clear guidelines, processes and documentation for “*content reporter*” to TN-ITS service.
- License terms and conditions; transparent and public.

Fresh and harmonized road data from road operators



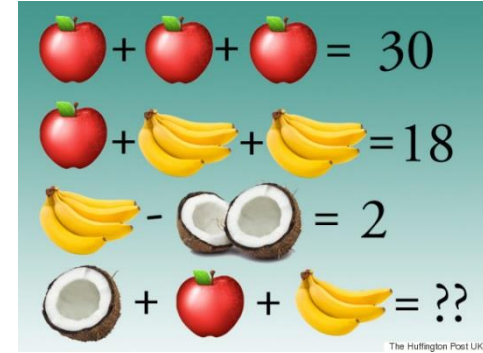
What are our (*TomTom*) needs?



Community
of road-operators
having a TN-ITS
service



Partnerships;
Close cooperation
between involve parties.



No puzzles;
TN-ITS to stay lean and
optimize with no lost in
content.

Fresh and harmonized road data from road operators

TOMTOM 

TN-ITS 

What is the experience so far?

- Design and development of Decoder and Production tools to read and convert TN-ITS data to TomTom Map. Continues process.
- Gain understanding of data delivered in Sweden, Norway, Finland and Flanders
- Must closer and needful cooperation with road operators
- TN-ITS concept proven and in operation since 2013 in Sweden
- More than 100.000 TN-ITS updates implemented to TomTom map

Most optimize authority source for road updates



What is the future needs?

- Increase coverage; Promote and value the TN-ITS service to more National Road-operators
- Focus on standardization between new and existing Services
- Wishes of more road attributes; Lane-information, traffic-lights and etc.
- TomTom to develop internal processes to shorten time to market.

Extent coverage and more attributes



New challenges emerging from new use cases?

- Shared TN-ITS service's;
 - Example for minor road operators to hook up on other TN-ITS services?
 - National service to join forces and share service?
- Autonomous driving;
 - How to build public digital infrastructure for future vehicle?
 - TN-ITS being the authority component?

Share and Innovate



How does open data impact the map generation process??

- Open source agreements, as common creative, allow TomTom to share more and quicker road data with our users.
- To enable displaying, routing and guidance inline with public intention.
- Reducing operational- and legal overhead

Transparency and public service



Thanks

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