Enhanced road works in DATEX II For French C-ITS projects

(Datex II v2.3)

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SCOOP : who and where ?





DATEXII





SCOOP Architecture



European Commission

SCOOP : Which Roadworks ?

- B1 : Alert planned Roadworks (RWW)
- B2 : Alert operator vehicle :
 - B2a : approaching
 - B2b : in intervention
 - B2c : in patrol
- B3 : winter maintenance
 - B3a : salting in process
 - B3b : Snow removal in process
 - B3c : Alert vehicle moving





Roadworks ? Easy for a TCC !



- Roadworks
- MaintenanceWorks
- On A4
- From PR6+200m
- To PR6+950m
- From April 2018 the 19th, 00:00:00
- To April 2018 the 26th, 23:59:59
- Speed limit : 90 km/h

DATEX II



Roadworks ? Easy for a car !

Warning : Roadworks in 300 m Keep to the left

Warning : Roadworks – 90 km/h



Roadworks

- Stationary
- From Eventpoint (X,Y)
- Along Eventhistory
- With the trace leading to the event(X'a, Y'a),...(X'n, Y'n), (X''a,Y''a)...)
- From April 2018 the 19th, 00:00:00
- To April 2018 the 19th, 23:59:59
- Speed limit : 90 km/h
- Slow lane close
- Keep to the left

DATEXII



From TC to Cars : Easy with the Platform.

- Roadworks
- MaintenanceWorks
- On A4
- From PR6+200m
- To PR6+950m
- From April 2018 the 19th, 00:00:00
- To April 2018 the 26th, 23:59:59
- Speed limit : 90 km/h
- Lanes closed : 50%
- Management : keep to the left

- Roadworks
- MaintenanceWorks
- Stationary

PLATFORM

SCOOP

- From Eventpoint (X,Y) (=PR6+200m)
- Linear : (Xa, Ya), (Xb, Yb)...(Xn, Yn) (from PR6+200 to PR6+950
- Traces : (X'a, Y'a),...(X'n, Y'n), (X"a,Y"a)...)
- From April 2018 the 19th, 00:00:00
- To April 2018 the 19th, 23:59:59
- Speed limit : 90 km/h
- Management : keep to the left

- Roadworks
- Stationary

RSU

- From Eventpoint (X,Y)
- Along Eventhistory
- With the trace leading to the event(X'a, Y'a),...(X'n, Y'n), (X''a,Y''a)...)
- From April 2018 the 19th, 00:00:00
- To April 2018 the 19th, 23:59:59
- Speed limit : 90 km/h
- Slow lane close
- Keep to the left





Arrrggggghhh...

- Roadworks
- MaintenanceWorks
- On A4
- From PR5+500m
- To PR7m
- From April 2018 the 19th, 00:00:00
- To April 2018 the 26th, 23:59:59
- Speed limit : 90 km/h

.. Not so easy for a Roadworks Roadworks **TCC...** Roadworks Roadworks Roadworks Roadworks Roadworks adworks Roadworks opdworke Roadworks Roadworks Roadworks Stationary MaintenanceWorks PLATFORM From Eventpoint (X,Y) • On A4 Along Eventhistory • From PR5+500m • With the trace leading to the event(X'a, Y'a),...(X'n, Y'n), (X''a,Y''a)...) Roadworks • To PR7 Stationary From Eventpoint From April 2018 the 19th, Along Eventhistory • From April 2018 the 00:00:00 19th, 00:00:00 E90700000:2018 the SCOOP 19thp23:29:59the To April 2018 the 19th, 23:59:59 Spered limit : 90 • To April 2018 the

26th, 23:59:59

Speed limit : 90 km/h

- Speed limit : 90 km/h
- Slow lane close
- Keep to the left

Conclusion and perspectives

- Simply situation => simply message
- The flexibility of Datex II allows a large number of use cases
- The ability of TCC to evolve is necessary ...

• ... for the autonomous cars

