Welcome to the National Academies, TRB 92nd Annual Meeting

"Deploying Transportation Research - Doing Things Smarter, Better, Faster"

The National Academies **Transportation Research Board** (TRB)

EMS Transport Safety ANB10(5) January 2013 Subcommittee Meeting

> Thursday January 17th 8-12.30 at Keck Center Room 101

> > TRANSPORTATION RESEARCH BOARD

Transportation Research Board 92nd Annual Meeting, National Academies Washington, DC, January 17th, 2013 "Deploying Transportation Research - Doing Things Smarter, Better, Faster"

Emergency Medical Services Transport Safety Subcommittee ANB 10 (5) 2013 January Meeting:

ANB10(5) – EMS Transport Safety and Technical Science, Guidelines and Standards

Nadine Levick, MD MPH

Chair Emergency Medical Services Subcommittee ANB10 (5), TRB CEO, Research Director, EMS Safety Foundation

Eileen Frazer RN Co-Chair ANB10(5) TRB

Executive Director of Commission on Accreditation of Medical
Transport Systems (CAMTS)
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Emergency Medical Services Safety Subcommittee ANB10(5) of the Transportation Research Board Thursday January 17th, 2013 8.00 am - 12.30 pm also via Webinar, Washington DC

Chair - Nadine Levick MD, MPH Co-Chair - Eileen Frazer RN Sponsored by Transportation Safety Management Committee (ANB10) -

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This years TRB theme -"Deploying Transportation **Research - Doing Things** Smarter, Better, Faster"



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Fleet management approaches

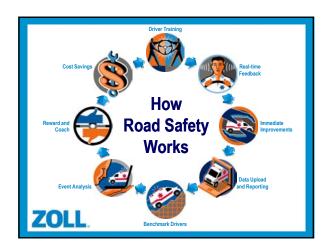
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Fleet Management technologies

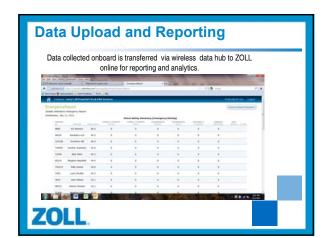
- ACETech/Ferno
- FleetEves Intermedix
- Zoll rescuenet and roadsafety fleet management systems
- Marvlis
- Telematicus
- Optima
- Northrop Grumman

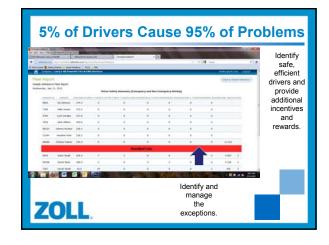


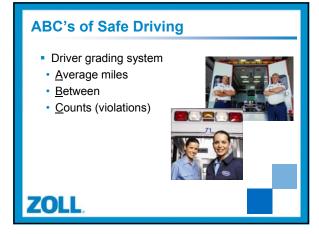
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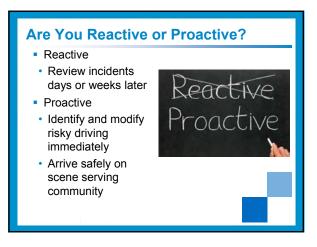






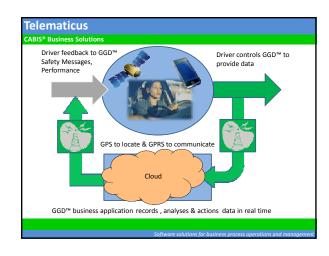


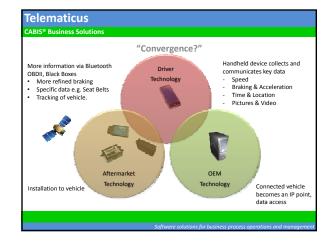
Other events and behaviors monitored Braking, acceleration and side/sway forces Emergency lights and sirens Engine RPM Engine idle time (indicates wasted fuel) Distance driven Turn signals Numerous others—what's important to you?













Slide 17

AMD10 A core part of the OEM technology is Infotainment where there are opportunities for advertising and pay for media (music, video) services.

Given a lead in this area and openness (points of integration) for other categories of application including social media, travel, insurance/safety/risk management the Smart Phone becomes a useful platform for user interaction removing the costs of display in lower value marques. It will be resisted or dismissed by the more expensive marques e.g. Mercedes.

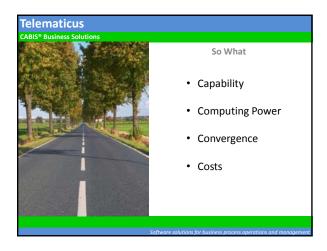
DoreA, 11/9/2011

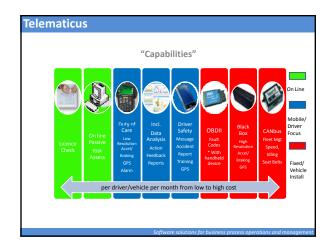
AMD11

For safety simply adding OBDII with minimal cost of install provides "high resolution" acceleration analysis.

DoreA, 11/9/2011











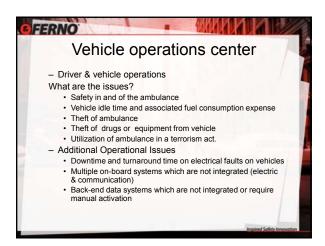


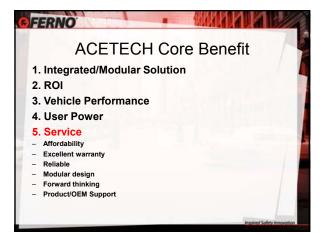
AMD12 ODBII is not really a fixed install. It's a bit of a hybrid but does give "high resolution" acceleration data.

I think the duty of care picture needs to show Smart Phone as well as handheld.. This leads to £5 + £2 (OBD11) giving £7 as good competitor for £13 black box. Otherwise the £13 black box seems to offer good value for money. Plus the accelormeter in the Smart Phone offers the potential for accident detection just like the black box. An area yet to be explored.

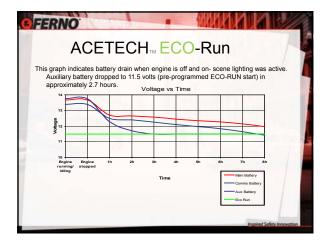
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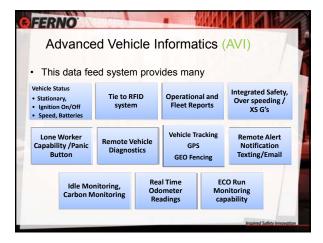




















Any questions or comments?

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