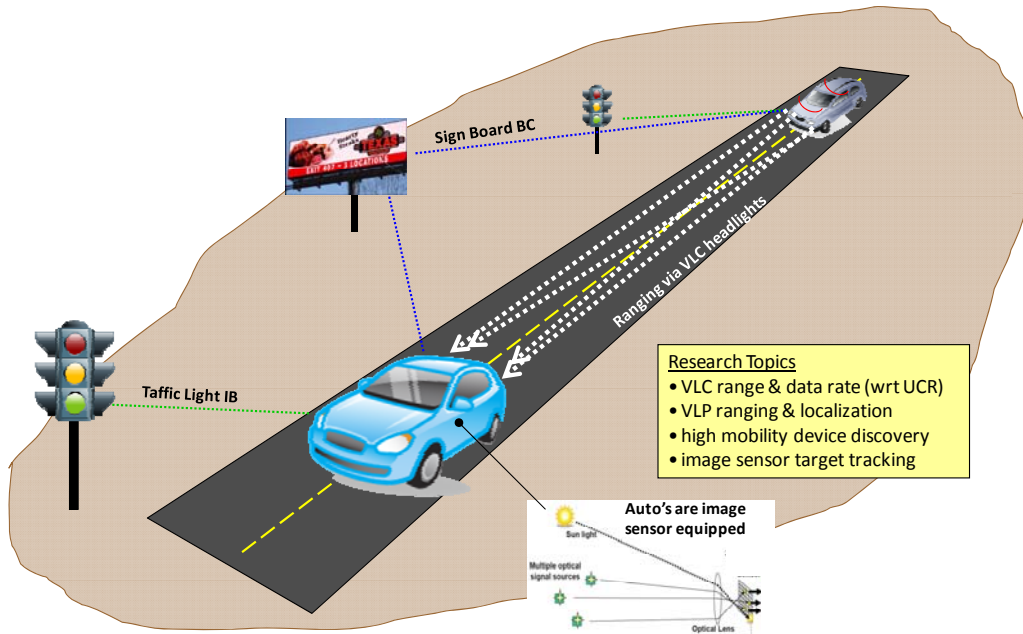

IEEE P802.15
Wireless Personal Area Networks

Project	IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs)		
Title	Proposed Editorial Reorganization of IEEE802.15.7 Draft		
Date Submitted	November 2010		
Source	Rick Roberts Intel Labs	Voice: [] Fax: [] E-mail: richard.d.roberts@intel.com	
Re:			
Abstract			
Purpose			
Notice	This document has been prepared to assist the IEEE P802.15. It is offered as a basis for discussion and is not binding on the contributing individual(s) or organization(s). The material in this document is subject to change in form and content after further study. The contributor(s) reserve(s) the right to add, amend or withdraw material contained herein.		
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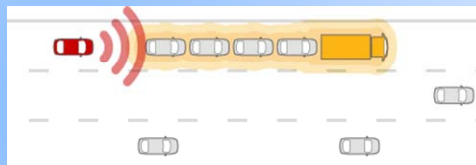
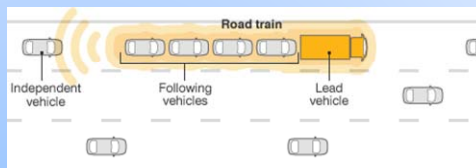
So why are we asking for a reorganization of the 15.7 document?
The answer is in anticipation of MAC modifications and additional PHYs in support of an emerging vehicular application in regards to intelligent driving.



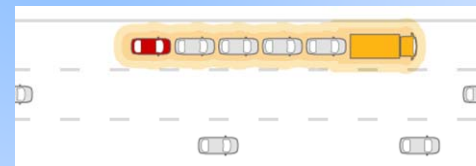
Road Train Concept (European Union – Spanish Trials)

Road trains that link vehicles together using wireless sensors could soon be on European roads.

1. An EU-financed research project is looking at inexpensive ways of getting vehicles to travel in a 'platoon' on Europe's motorways.
2. Each road train could include up to eight separate vehicles - cars, buses and trucks will be mixed in each one.
3. The EU hopes to cut fuel consumption, journey times and congestion by linking vehicles together.
4. Early work on the idea suggests that fuel consumption could be cut by 20% among those cars and trucks travelling behind the lead vehicle.



<http://news.bbc.co.uk/2/hi/technology/8349923.stm>



The road train takes control of the extra car, pulling it close to cut air drag and save about 20% in fuel consumption.

This contribution is asking for an editorial reorganization of the IEEE802.15.7 draft, following the format of IEEE802.15.4i, to improve readability and maintenance.

The proposed reorganization would actually be done after comment resolution but before the issuance of D4.

A test reorganization was done using draft D3 (TOC shown starting on page 3 of this document) and no problems were encountered; that is, there were no indications of broken reference links and the document printed just fine.

The actual reorganization would be done in the same manner and takes about 2 hours to do.

Editorially reorganized TOC

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I've been informed by the WG chief editor that 802.15.4i had a format error and clauses 3&4 should be combined just like we already have it in the 802.15.7 draft.

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