

Meeting Description	Second Project Meeting in Lisbon (Portugal)
Meeting hosted by	CENFIM

Date / Time / Place	Tuesday, 6 th March 2012
Name of Workline	Workline B – Wagon Components
Name of Workgroup	Electronic Gimmicks

Representative workgroup member	[LT] Arvydas Vaisvilas
Co-representative workgroup member	[BE] Maarten Daems
Co-representative workgroup member	[BE] Dirk Tormans

Further workgroup members	

Minute written by	[BE] Tormans Dirk
--------------------------	-------------------

Description of work progress: Topics / Tasks / Results / Decisions / Facts of importance	Responsible school(s) or person(s) incl. deadlines
<ol style="list-style-type: none"> 1. The minute of the meeting in Zagreb mirrors the complete working process of the group so far. 2. Changes: <ol style="list-style-type: none"> a. Responsible coordination: [LT] Arvydas Vaisvilas b. Substitute coordinator: [BE] Maarten Daems c. Preparing meeting minutes: [BE] Dirk Tormans 3. Ideas or visions <ul style="list-style-type: none"> • We have one board with in the front and in the end 2 lights (for example LEDS). • We will use one microcontroller (the same for every wagon) to control the wagon. It will be programmed with a unique code for every wagon. It will make the communication with the receiver on the map. • We will use connectors in the front and in the back for the power supply of the wagons. The power should come from the main locomotive (maybe battery??) • Also there will be a connector in the middle for the power supply of upper part. 	

Description of work progress: Topics / Tasks / Results / Decisions / Facts of importance	Responsible school(s) or person(s) incl. deadlines
<ul style="list-style-type: none"> • For the map there are two options: <ul style="list-style-type: none"> ○ One receiver on the map to supply every country with power. ○ Every country gets its own receiver and will get power directly. <p>4. There are no problems at this moment.</p> <p>5. Presentation</p> <p>6. We need some cooperation with other groups:</p> <ul style="list-style-type: none"> a. Common undercarriage: <ul style="list-style-type: none"> i. Dimensions of the undercarriage that can be used for our PCB. ii. Which kind of connectors we should use to connect all the wagons and give them power supply. iii. All wagons should use the same microcontroller (a simple one). iv. Will every country make its own PCB or do the schools with an electronic department make them? b. Workline C: <ul style="list-style-type: none"> i. What type of electronic map will be used (one receiver or a receiver for every country?) ii. Which kind of communication will be used (for example: IR which uses RC5-code) <p>7. See question 6</p> <p>8. Organise further work:</p> <ul style="list-style-type: none"> i. Make the first schematic for our PCB for the next meeting in Slovenia. ii. There we will discuss this schematic and decide which one to use for our project. iii. Get some answers from the other workgroups / Worklines 	

Meeting Description	Second Project Meeting in Lisbon (Portugal)
Meeting hosted by	CENFIM

Date / Time / Place	Friday, 9 th March 2012
Name of Workline	Workline B – Wagon Components
Name of Workgroup	Electronic Gimmicks

Representative workgroup member	[LT] Arvydas Vaisvilas
Co-representative workgroup member	[BE] Maarten Daems
Co-representative workgroup member	[BE] Dirk Tormans

Further workgroup members	

Minute written by	[BE] Tormans Dirk
--------------------------	-------------------

Description of work progress: Topics / Tasks / Results / Decisions / Facts of importance	Responsible school(s) or person(s) incl. deadlines
<ul style="list-style-type: none"> • With the new chosen/voted system for the electronic European map we can't foresee any connection system between the wagons yet. • We must wait until Slovenia, for a detailed explanation of the European map and we have to know how they want to connect the wagons. • We make a basic schematic with a battery for the power supply and 4 LEDs for the wagon. • We also foresee a connector for the upper-part with 9V, 5V and GND. 	<p>Meeting in Slovenia:</p> <ul style="list-style-type: none"> • Create schematic [BE] and [LT] • Ask on the forum for some detailed info about the European map. [BE and [LT]