FOSTER RAIL

Future of Surface Transport Research Rail

Coordination and Support Action

Grant Agreement No 605734

Date of Annex I against which the assessment will be made: 23-05-2013

Deliverable D3.1 – FINAL – 10.10.2013
Template for the Strategic Rail Research and Innovation Agenda

WP	3	Strategic Rai Research and Innovation Agenda
Task	3.1	Review of reference rail and multi-modal research strategies

Dissemination level[1]		XX	Due delivery date	M3
Nature[2]			Actual delivery date	M6

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[1] Dissemination level: **PU** = Public, **PP** = Restricted to other programme participants (including the JU), **RE** = Restricted to a group specified by the consortium (including the JU), **CO** = Confidential, only for members of the consortium (including the JU)

[2] Nature of the deliverable: **R** = Report, **P** = Prototype, **D** = Demonstrator, **O** = Other

Table of Content

1. Executive Summary

This document presents the approach the partners of FOSTER RAIL as well as the ERRAC Steering Committee decided to adopt to develop the new ERRAC Strategic Rail Research and Innovation Agenda. The details of the document will be developed in Deliverable 3.2: Strategic Rail Research and Innovation Agenda.

2. Description of Deliverable

ERRAC – Strategic Rail Research and Innovation agenda

Outline

1.Foreword

2.Executive summary – The rail sector towards 2050

3.The rail market/transport segmentation

  a. Rail market segments

    i. High speed/mainline

ii. Regional

iii. Urban and suburban

iv. Freight

4. Trends and drivers

5. Challenges (CUSTOMER concept)

6. ERRAC – Future research and Innovation

a. Attractiveness of rail and public transport

i. Customer experience & strategy and economics priorities

b. Whole system approach

i. Capacity, performance and competitiveness

ii. Energy and environment

iii. Safety (including certification) and security

c. Assets

i. Control, command and communication

ii. Infrastructure

iii. Rolling stock

iv. IT and other enabling technologies

v. Training and education

7. <u>**Promoting innovation**</u>