FRANCO-IBERIAN RAIL LINK
FOSTERING EUROPEAN CONNECTIVITY

THE NEW UIC-GAUGE LINE
BARCELONA-PERPIGNAN AND ITS EFFECT ON THE RAILWAY OPERATIONS
1. CURRENT SITUATION OF THE FREIGHT TRANSPORT INDUSTRY

International freight transport (I)

Freight traffic distribution between the Iberian Peninsula and Europe

(millions of tons)

Sources:
Observatorio hispano-francés de tráfico en los Pirineos. June 2010
Observatorio transfronterizo España - Portugal. December 2009
International freight transport (II)

Modal share of freight transport between Spain and Europe

Sources:
Observatorio hispánico-francés de tráfico en los Pirineos. June 2010
International rail freight transport represents some 15%.
International rail freight connection in the 1,435mm gauge width brings interesting opportunities
2. RAIL CONNECTION FRANCE-SPAIN

Rail freight transport volume Catalonia – Rest of Europe

International rail transport

<table>
<thead>
<tr>
<th></th>
<th>Tm. 2008</th>
<th>Tm. 2009</th>
<th>Tm. 2010 (*)</th>
</tr>
</thead>
<tbody>
<tr>
<td>INTERMODAL</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Origen Morrot Tercat / TCB</td>
<td>24.705</td>
<td>23.799</td>
<td>39.778</td>
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<tr>
<td>Origen Granollers</td>
<td>95.978</td>
<td>62.376</td>
<td>48.612</td>
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<td>AUTOS / PIEZAS</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Origen Martorell</td>
<td>80.253</td>
<td>62.949</td>
<td>33.058</td>
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<td>Total Expedido</td>
<td>200.936</td>
<td>149.124</td>
<td>121.448</td>
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(*) Acumulado Tercer Trimestre
New freight line: OPPORTUNITY

2. RAIL CONNECTION FRANCE-SPAIN
### New 1,435mm gauge-width connection’s main advantages

- Smooth, agile border crossing
- Longer trains
- Shorter lead time
- End of bottlenecks in the borders
- Without cargo handling and break of load
- Opening of a new transport route between the Med Area and the North Sea Region
Renfe Mercancías investments on the new line

- Hauling resources for UIC 1,435 mm gauge width
  - 4 electric locomotives of the 252 series
    - Tri-voltage 1,5 kw 3 kw and 25 kw with ETCS level 1
  - 2 diesel locomotives of the 319 series

- Drivers
  - French-Spanish bilingual loco drivers

- Wagons
  - 7,215 wagons adaptable to UIC 1,435 mm gauge
    - Automotive, Bulk, Intermodal, Iron&Steel and “Multi-product”
Renfe Mercancías will launch these services with INTERMODAL products

- **Traffics:** Barcelona – France / Italy
- 4 services / week
- **Terminals and connections:** Barcelona Morrot and Can Tunis
- **Connections with Barcelona Port terminals:** TCB and Tercat

**Intermodal European Services 2010**

- **INTERNATIONAL TRAINS**
  - SPAIN-BELGIUM
  - SPAIN-GERMANY

- **CONNECTION WITH SWITZERLAND, ITALY, AUSTRIA, ETC. VIA LYON**

**PROJECTS:**
- BCN PORT- TOULOUSE-BORDEAUX
- BCN PORT- MILAN

**BARCELYON express**

**HUPAC**
Barcelona Morrot is the INTERMODAL HUB linking Europe with the rest of Spain through the

“Intermodal Multicliente” Network 2010

140 relations
64 trains a week
3800 TEU a week
CUSTOMER LOGISTIC POSITIONING WITH RENFE MERCANCÍAS FOR

GOAL:
IMPROVING SERVICE FOR FINAL CUSTOMER THROUGH

1. INTEGRATED LOGISTIC SOLUTIONS
2. SERVICE FLEXIBILITY AND RELIABILITY
3. ECONOMIC EFFICIENCY AND COMPETITIVENESS
THANK YOU FOR YOUR ATTENTION

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