

## SUMMARY

This study is one of the ten area studies within the ACTIF project (Framework Architecture for Intelligent Transport in France). It was carried out between November 2000 and April 2001. The document includes a general presentation of the subject, a structured presentation of the associated issues and a summary of the conclusions: feedback on the framework architecture and recommendations. Architecture modifications are detailed in appendix A. Other contextual elements are reported in appendix B: glossaries related to the area, references, presentation of the ACTIF project, data collection method.

The study focuses on freight management on intermodal platforms. Platforms constitute one of the major links in the vast range of issues relating to freight management, but little associated modelling has yet been developed in ACTIF. Before focusing the study on the modelling proper, it was necessary to broadly scan the area in order to arrive at an initial structured presentation of the issues, identify the actors and the main exchanges.

Indeed, two of the important characteristics of intermodal platforms are the large number of actors and the great diversity of their businesses. Moreover, a many of these actors are not physically present on the platform itself, and increasingly so with the use of new technologies. The information was collected by analysing a wealth of documents (list in appendix B) and by contact with around forty representative actors. The discussions and comments arising in meetings of the High Level group set up for the ACTIF study largely contributed to the process.

To formulate the issues, the study took the example of the port platform, which has the following features:

- The diversity of freight handled,
- The diversity of transport modes involved,
- The work of formalising information exchanges which take place.

It thus represents all of the activities which come under freight management:

- The reception of goods,
- Their processing on the platform itself: handling, storage, logistics operations: stuffing/stripping, distribution, packaging, etc.
- Their despatch.

The issues are structured in two ways:

- Detailed description of the actors involved
- Examination of four examples which are representative of the issues

A summary describes the sector's main goals and characteristics. First, it notes the sector's structural complexity, manifested in the division of the activity.

In comparison with other areas of intelligent transport, this one is also characterised by the strong presence of private sector actors.

Finally, 7 specific features are detailed:

- ◆ Public-private co-operation
- ◆ Equipment and technologies
- ◆ Interoperability

- ◆ Information exchange
- ◆ Traceability
- ◆ Safety
- ◆ Responsibilities

The study then considers the modifications required for the framework architecture, which is currently quite poorly adapted to freight platform operations. Essentially, these modifications concern the creation of functions specific to freight management on platforms, and the production of modifications to allow their insertion into ACTIF's global modelling environment.

Finally it lists the recommendations which have emerged in the course of the study. These are grouped around four themes:

- ◆ Recommendations aiming to promote co-operation between the actors, especially between public authorities with control responsibilities and platform actors
- ◆ Recommendations aiming to improve technical interoperability between the systems
- ◆ Recommendation for a specific complementary study on the use of new dynamic position determination techniques
- ◆ Recommendation as to how ACTIF modelling should continue.

It will be the responsibility of the Steering Committee and the ACTIF High Level Group to decide on the next steps.