





Development of a Transport Information System

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Introduction



Scopes and IS Objectives

Organizational scope

- ▶ *All AREVA Business Units*
- ▶ *AREVA Oversight Department*
- ▶ *External customers*

Information System objectives

- ▶ *The project, aiming to update the AREVA transport information system, has several objectives :*
 - *Consolidation of radioactive material transport*
 - *Industrialisation of crisis management processes*
 - *Distribution of best practices in the field of radioactive material transport*
 - *Building of a flexible, user-friendly tool*
 - *Enabling various actors to share centralized, reliable and secured data*

Functional scope

- ▶ *Transport life cycle :*
 - ◆ *Risk Analysis*
 - ◆ *Scheduling*
 - ◆ *Cask/material Conformity*
 - ◆ *Transport Organisation*
 - ◆ *Shipping/Receipt*
 - ◆ *Transport Execution*
 - ◆ *Cask Management*
 - ◆ *Tracking and Crisis Management*

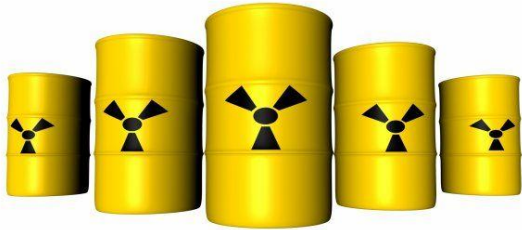
Six Modules



Real-time tracking



Transport scheduling and organisation



**Compliance
(cask license management)**



Transport execution

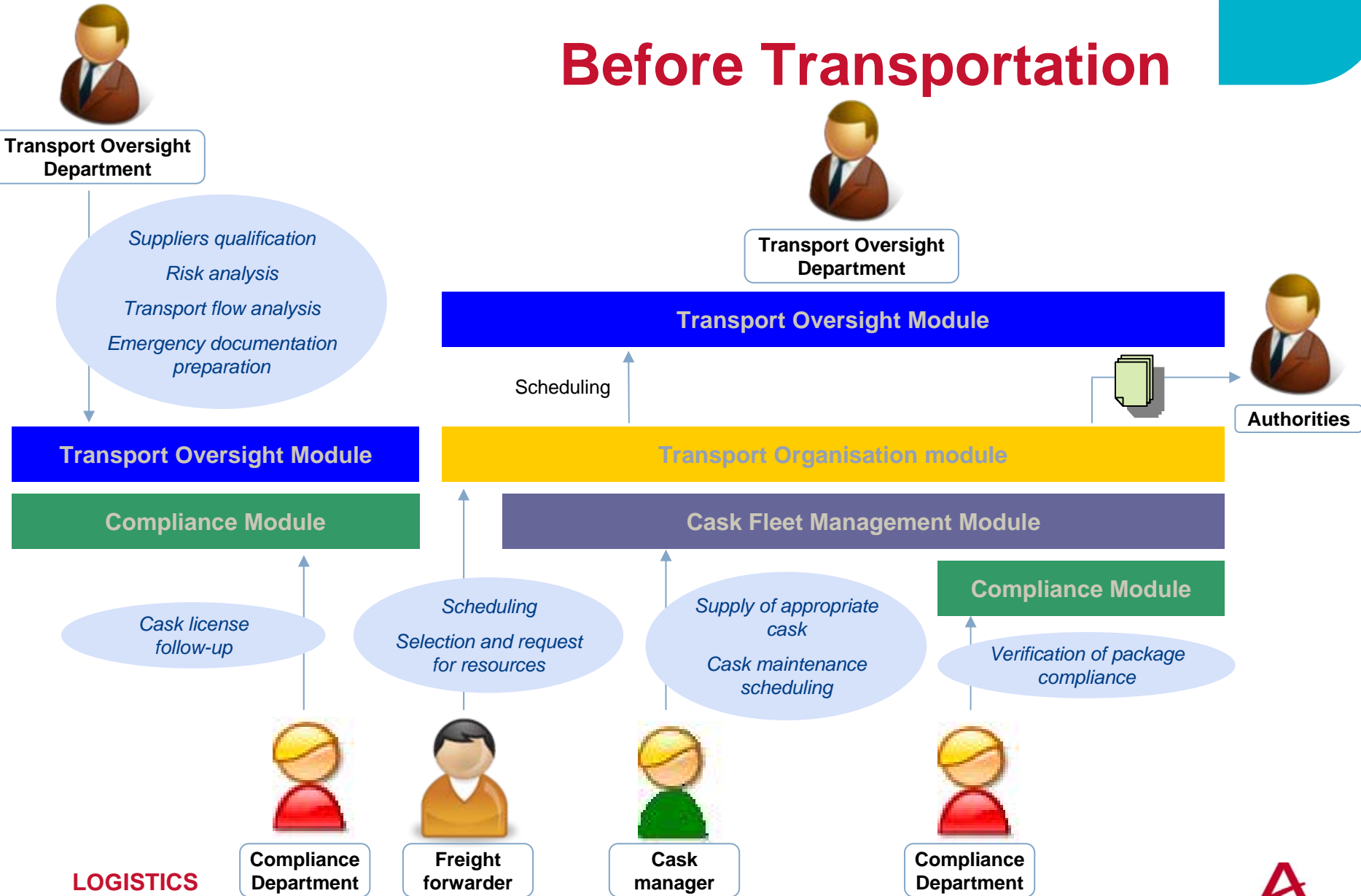


Cask fleet management



Oversight

Before Transportation



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During Transportation

< In case of incident



Transport Oversight Department

Use of emergency documentation for crisis management

Real-time Tracking Module

Alert analysis

Tracking

Transport Oversight Module

Follow-up

Events



Transport Oversight Department

Transport Organisation Module

Events

Events

Events

Follow-up Event management

Transport Execution Module

Execution & follow-up



Freight forwarder



Supplier 1



AREVA



Supplier 2

Transport Segment 1 (rail)

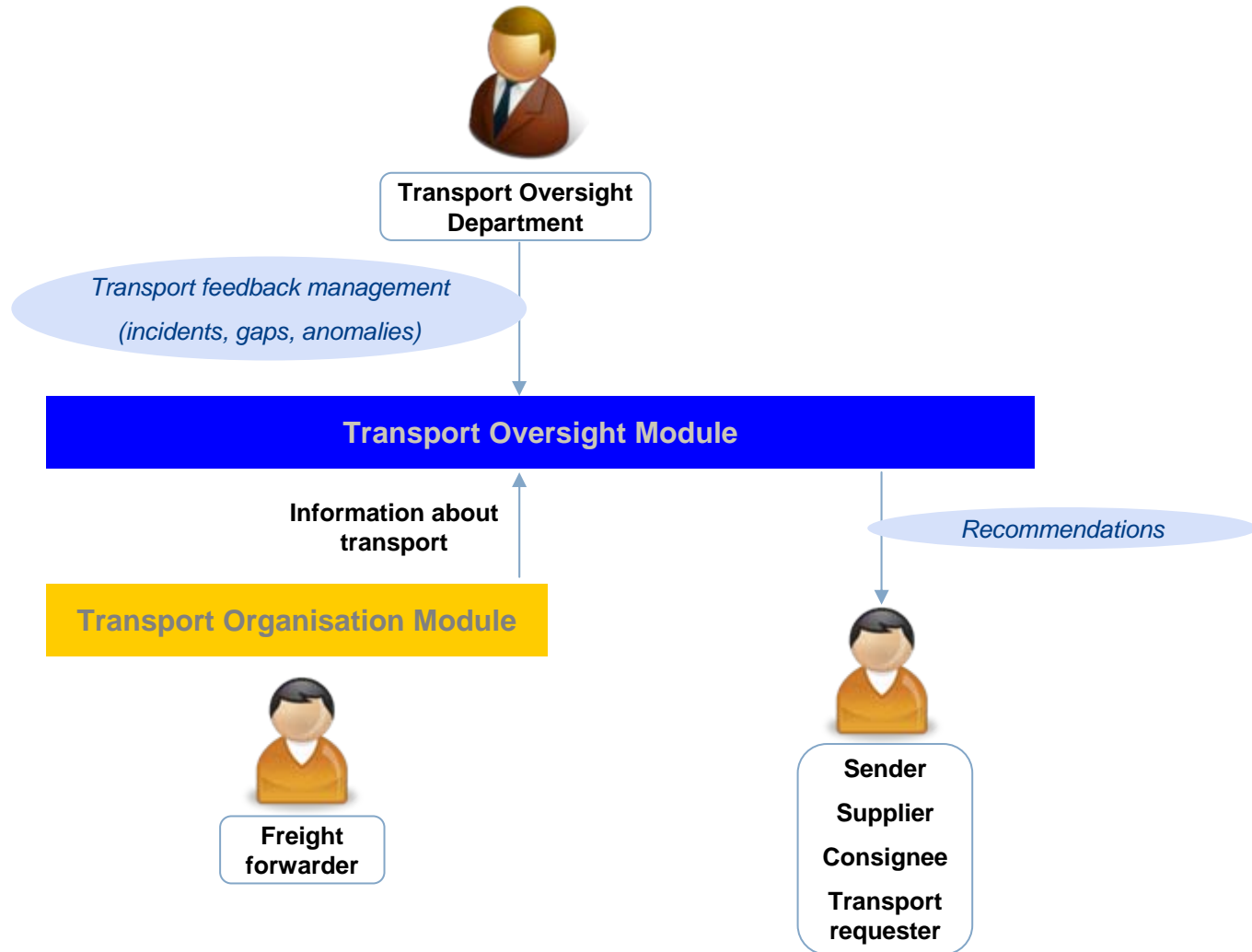
Transport Segment 2 (road)

Transport Segment 3 (sea)

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After Transportation



Business Gains

Risk reduction

- ▶ *Transport organisation process improvement*
- ▶ *Better information sharing making crisis management more efficient*
- ▶ *Implementation of recommendations*

Performance profits

- ▶ ***Time savings:** avoiding double-entry of transport data, better information sharing between actors*
- ▶ ***Client Satisfaction/Loyalty :** better transport organisation, information sharing*
- ▶ ***Economic performance:** improved business efficiency by sharing a common offer base and by developing basic price lists*
- ▶ ***Opening new markets:** cask leasing, hazardous material and sensitive equipment transport*
- ▶ ***Transport cost optimisation:** cask fleet optimisation, transport optimisation, better maintenance scheduling*

