

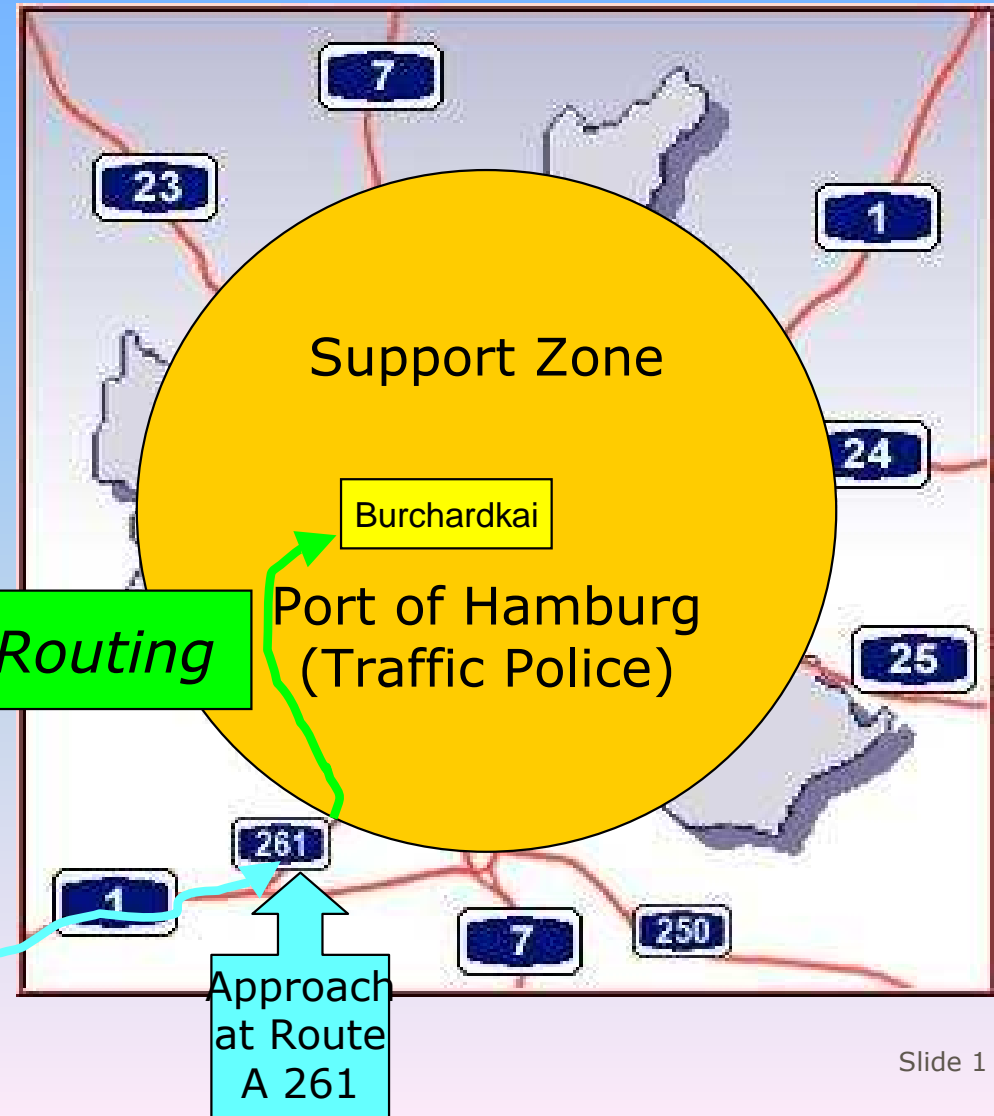


**Analogy:** Navigate in the Support Zone like an airplane approaching Hamburg airport control

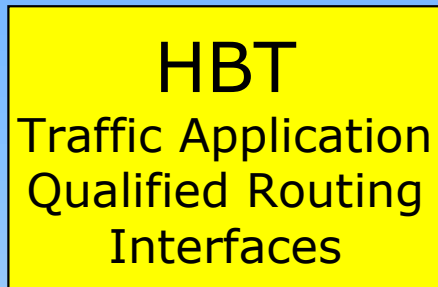
Normal Routing



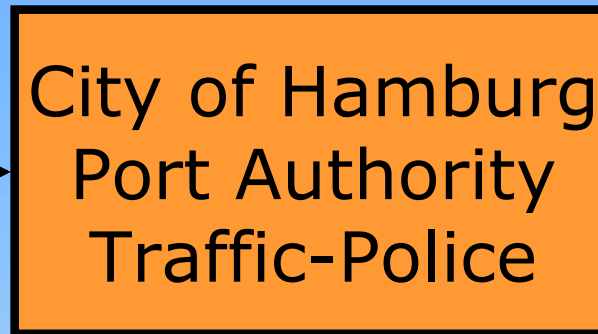
Special Routing



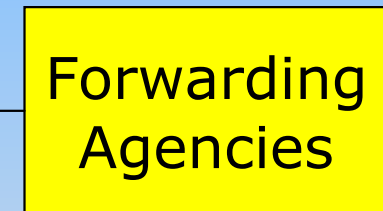
## SW Developer



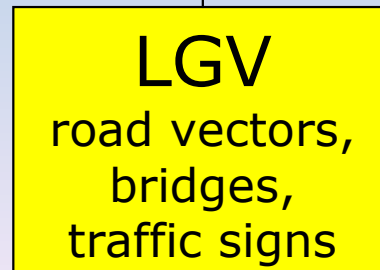
## Manager/Operator



## User



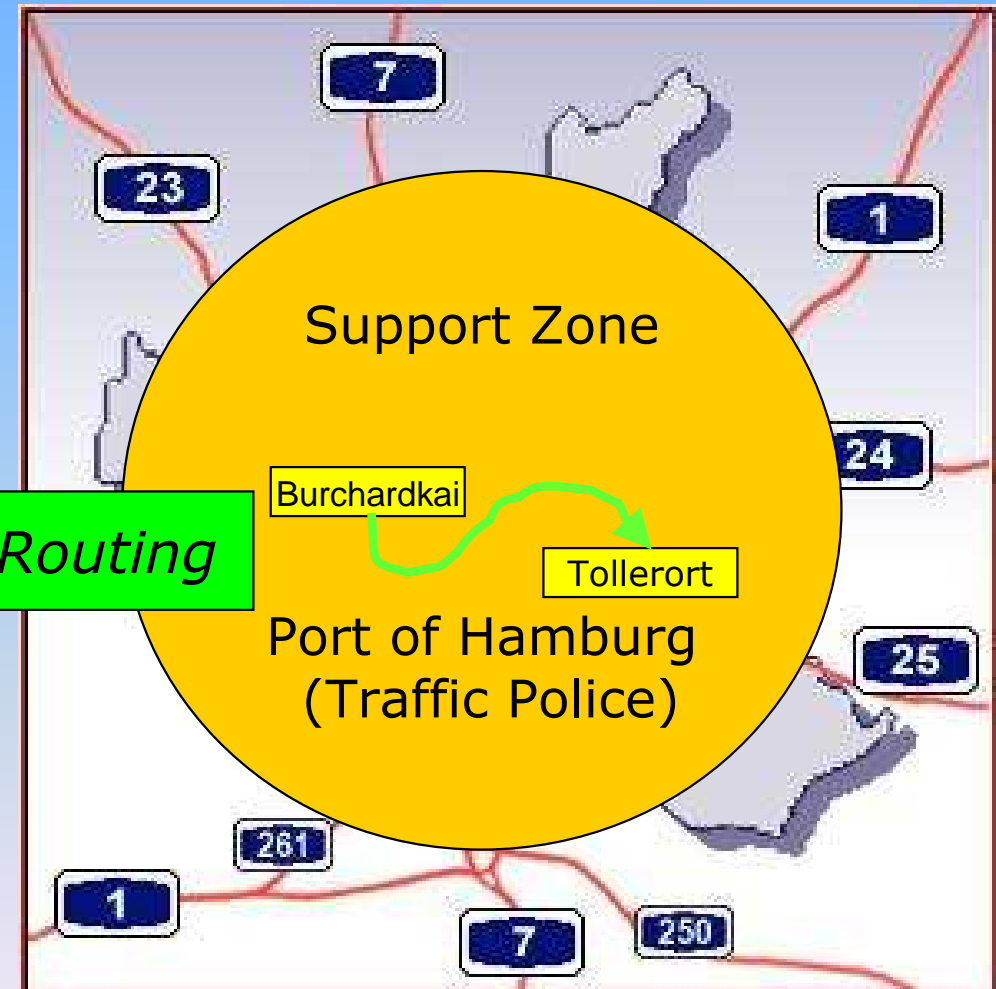
## Supplier



Special Case:  
*Transport between  
Terminals*



*Special Routing*



## *Forwarding Agency*



- **Registration**  
Address, communication data
- **Recording truck profiles**  
Size, weight, turn radius
- **Technology**  
Office-PC including internet & e-mail,  
On-Board-Units

## *Port Authority*



- **Static data**  
Road vectors (X,Y,Z)  
Bridges (weight capacity, horizontal  
and vertical clearance)  
Traffic Signs (turning prescription,  
passage, direction)  
Pavement (weight capacity)  
Polder (high tide)

## *Forwarding Agency*



- Truck number
- Load Profile  
Size, weight, dangerous goods
- Approach by..., Target, Time  
(from list of favourites)

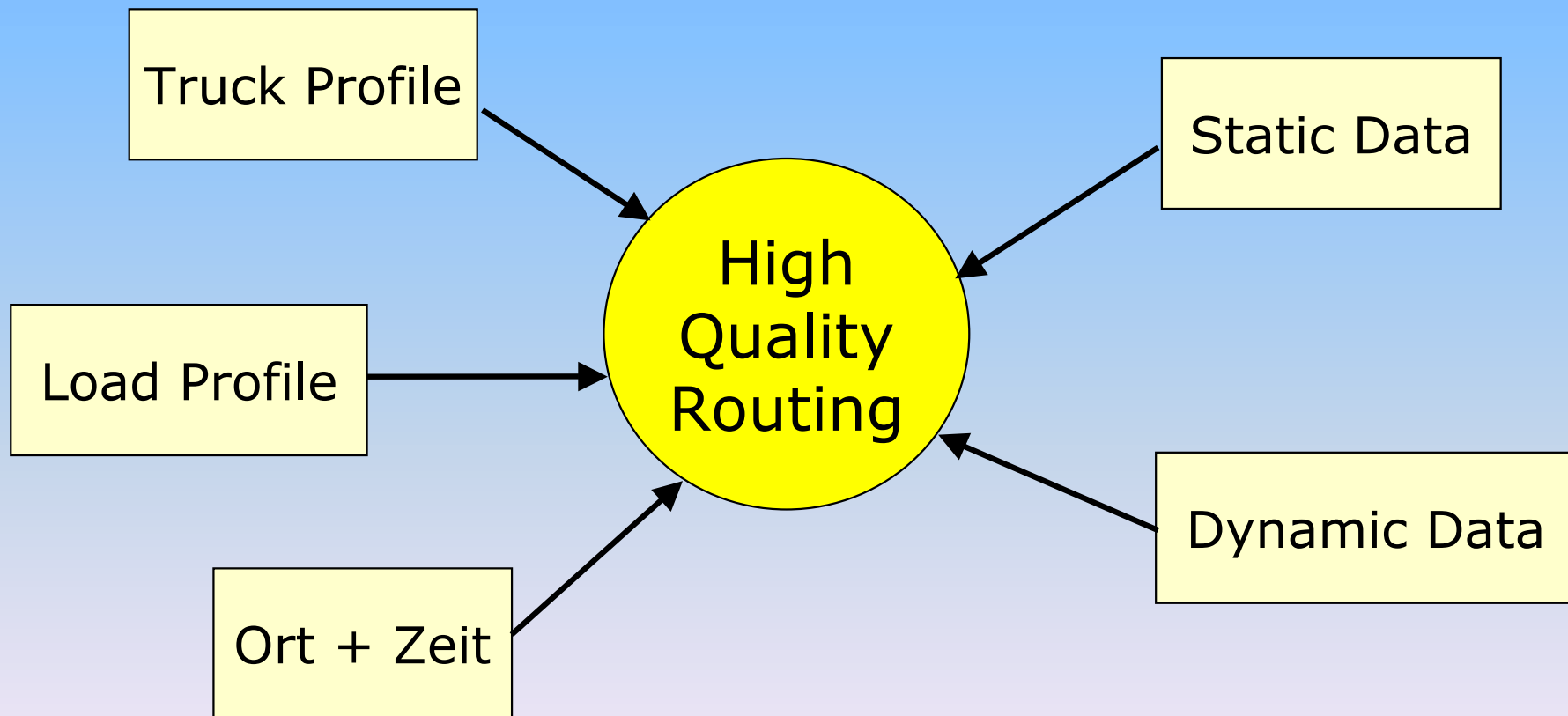
## *Port Authority*



- Current data  
Construction Sites (blocked tracks)  
High Tide  
Current Events (accident, tailback)

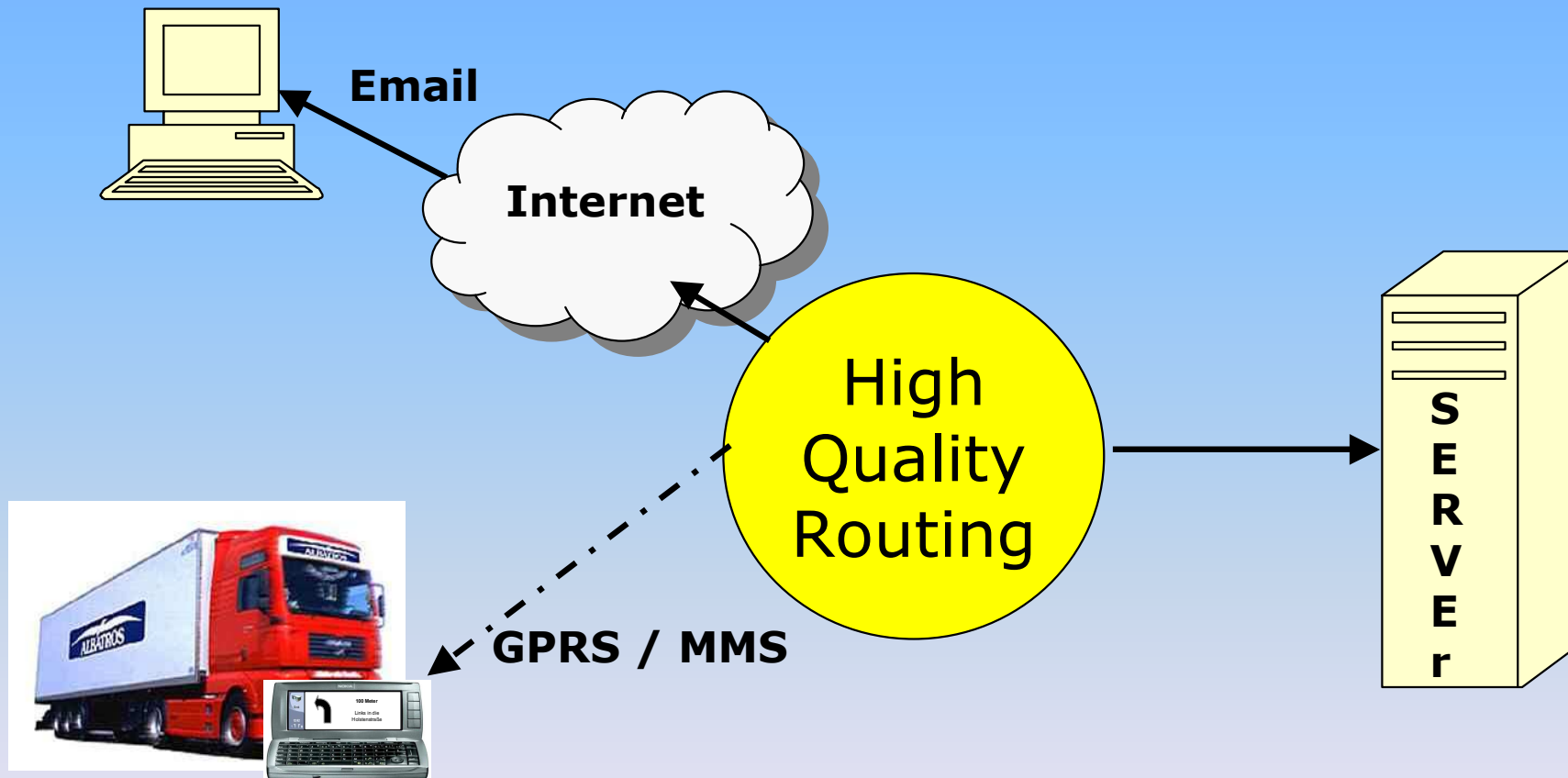
*Forwarding Agency*

*Port Authority*

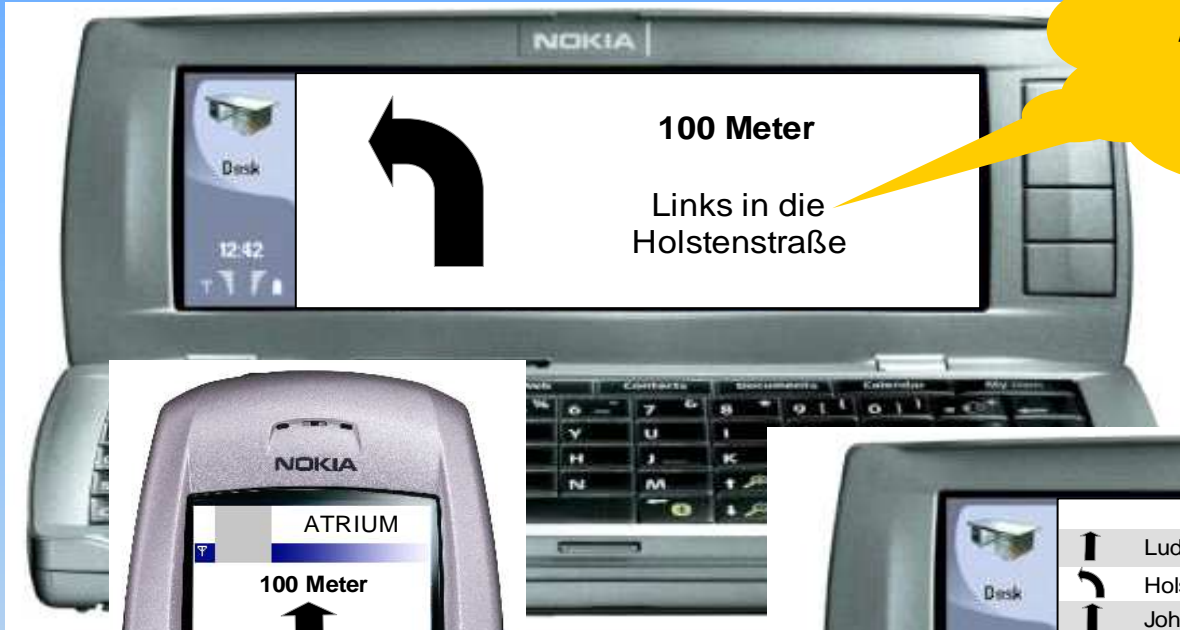
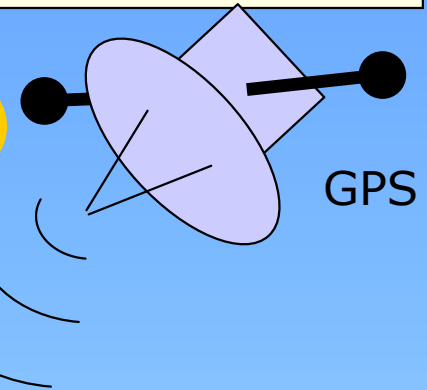


*Forwarding Agency*

*Port Authority*



Voice Output:  
„Turn left into  
Port Road“



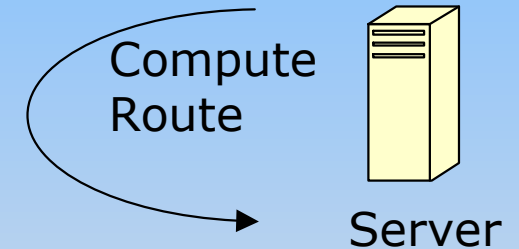


Approaching the Support Zone  
\* automatic recognition  
\* or hand operated

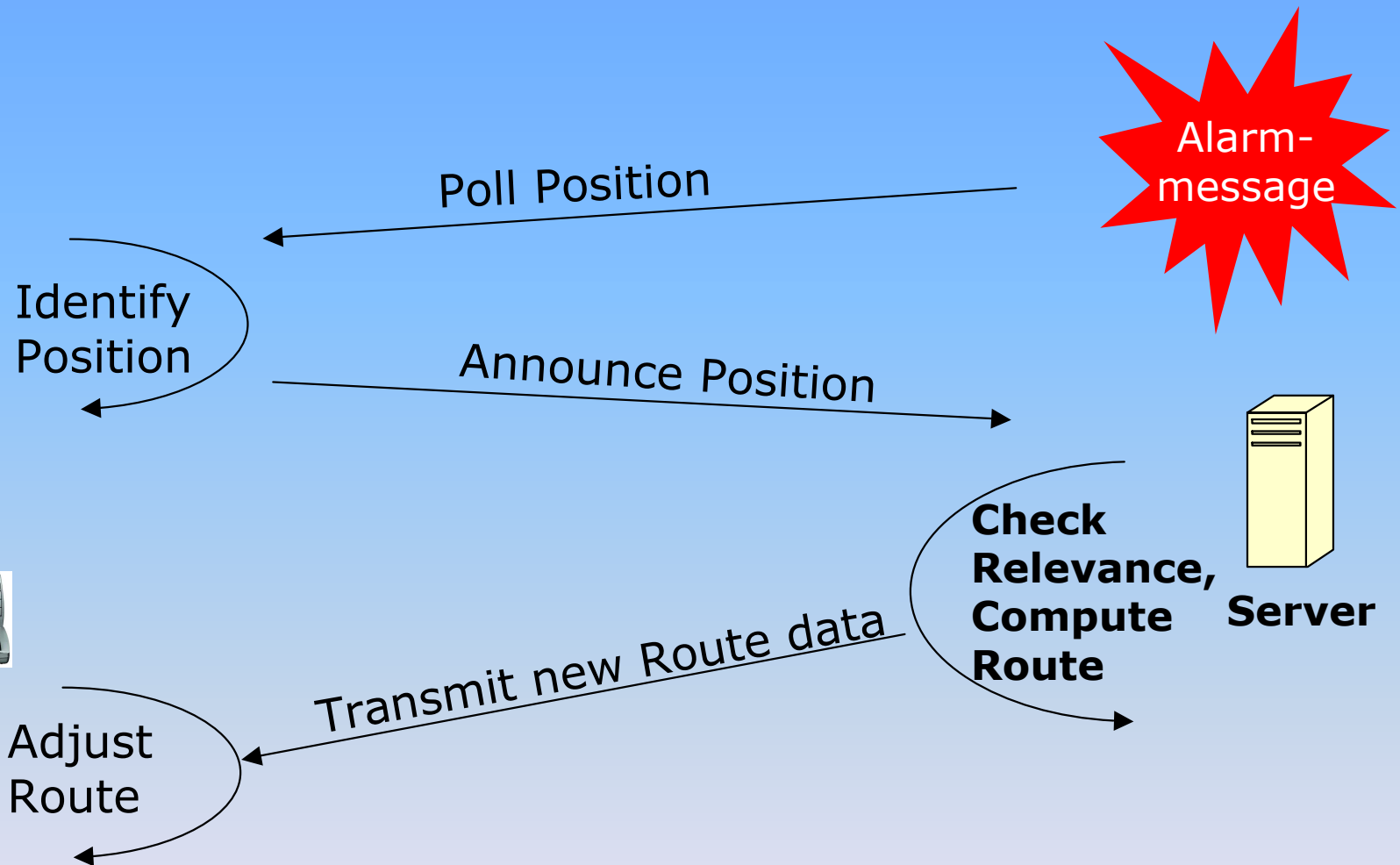
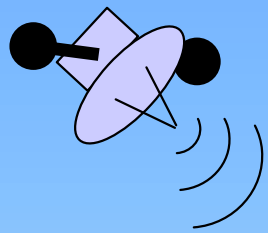


Announce Arrival at Support Zone

Transmit up-to-date Routing Data



Load & start  
Route Planner



1. Optimisation of the own processes
2. Increase of the attractiveness of the port for forwarding agencies
3. Safeguarding of the competitiveness
4. Improved usage of the capacity reserves

1. Qualified Routing from und to the Terminal
2. High level Route Recommendation, Alarm and supply of an alternative route in case of a disturbance
3. Optimisation of the own processes (JIT/JIS)
4. Competition and cost advantage by higher exploration
5. Risk reduction for drivers without knowledge of location and language (multilingualism in text and voice)
6. Risk minimization for heavy and dangerous goods transports by risk tracking