

6th European Conference on ICT for Transport Logistics

Title: A synergy based method for designing ITS services
Presenter: Shoaib Bakhtyar, PhD student
Date: 23 October, 2013



Content

1. Introduction
2. Basic idea
3. Service design method
4. Service design method applied
5. LITS service
6. Conclusion

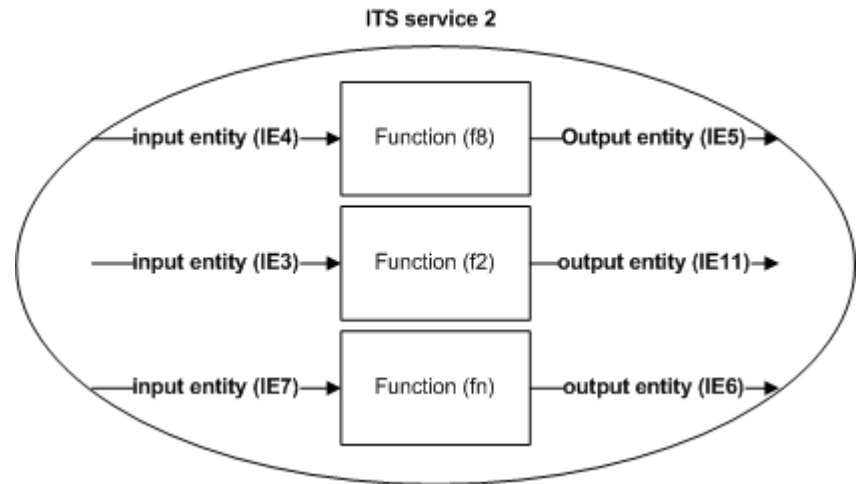
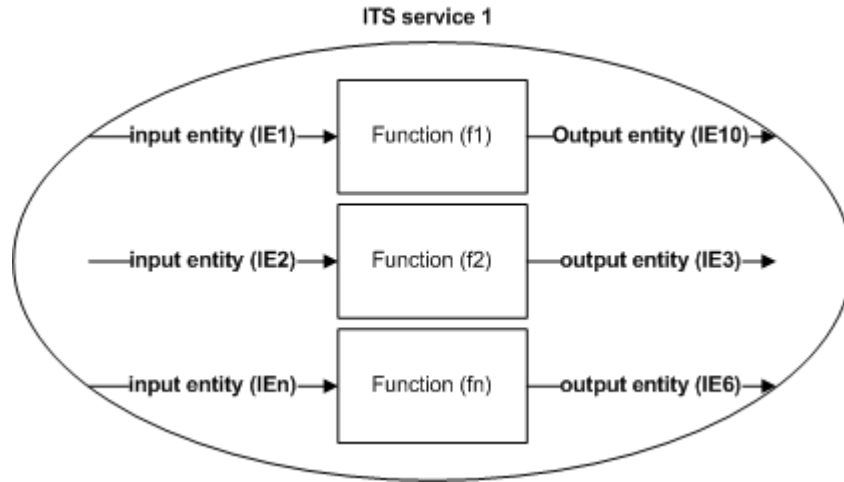


Introduction

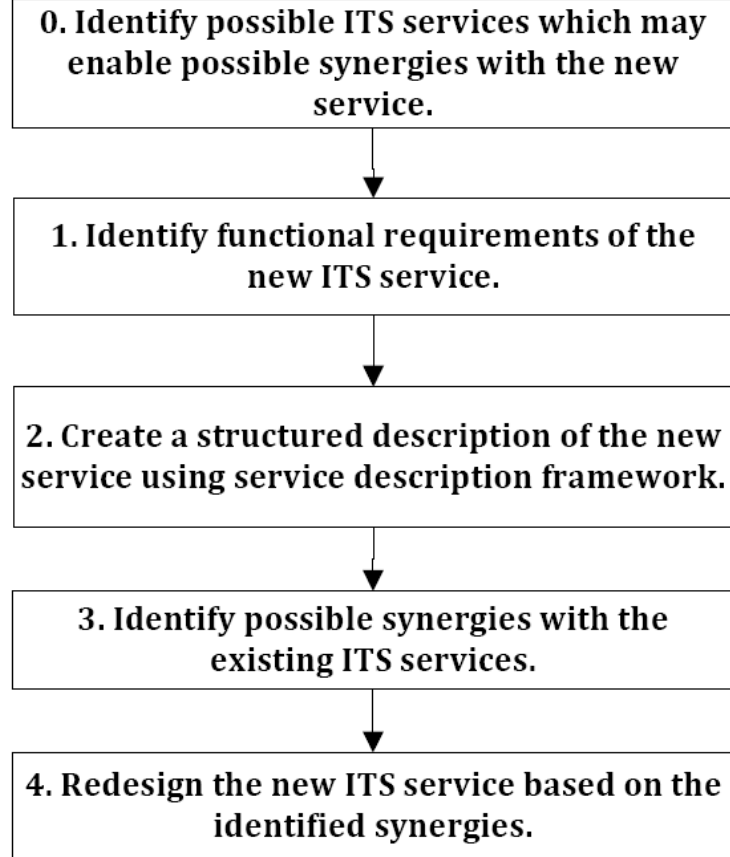
- Synergies utilization between ITS services can lead to reduced implementation costs and a higher service utilization.
- Synergies would enable the same function(s) to be implemented only once even though it is used by more than one service in a package.
- we propose an ITS service design method for designing new ITS services by utilizing on synergies with existing services.
- By existing services, we mean the services that were identified during different EU projects.



Basic idea



Service design method

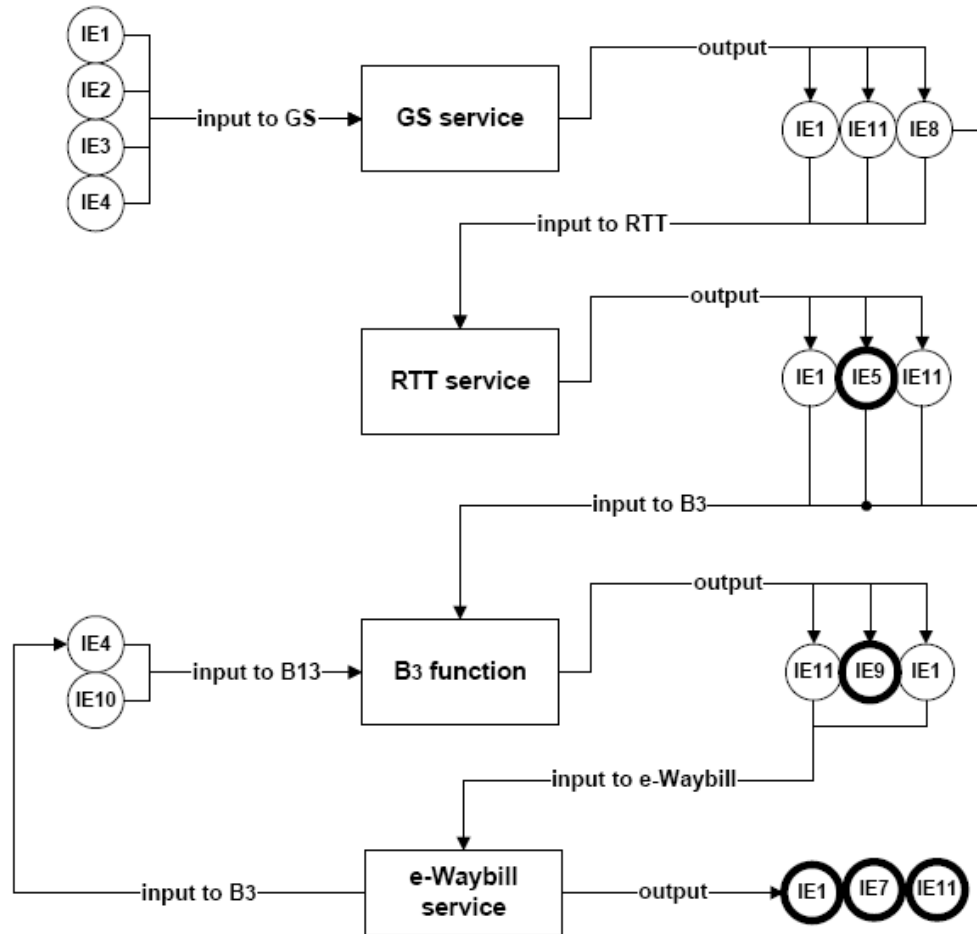


Service design method applied

- LITS service for identifying the responsible actor for freight damages, which can make the liability schemes transparent.
- What is damaged? When the damage occurred? Where did it occur? And who was responsible for handling the freight at the time of damage?
- Other ITS services considered in designing LITS are: **E-call, Estimated Time of Arrival, Real time track and trace, Goods Identification, e-Waybill etc.**



LITS service



Conclusion

- ITS service design method can be used to design new ITS services by explicitly utilizing on synergies with existing services.
- This could possibly lead to a reduced cost for implementing that service.
- Method can also be used to redesign existing services.
- LITS service can be designed using synergies with other ITS services, i.e., the e-Waybill, Real time track and trace (RTT), and Notify goods physical status (GS).
- LITS service designed for freight damages related to temperature deviations, will be extended in future.

