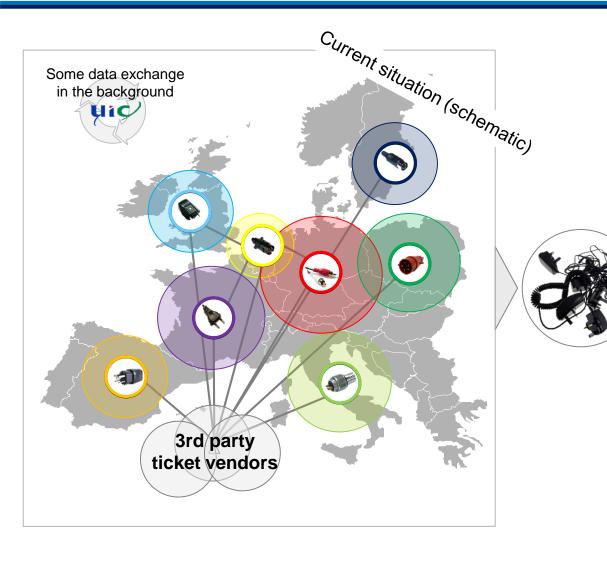
### **Full Service Model Initiative**

Vittorio Carta November 2018

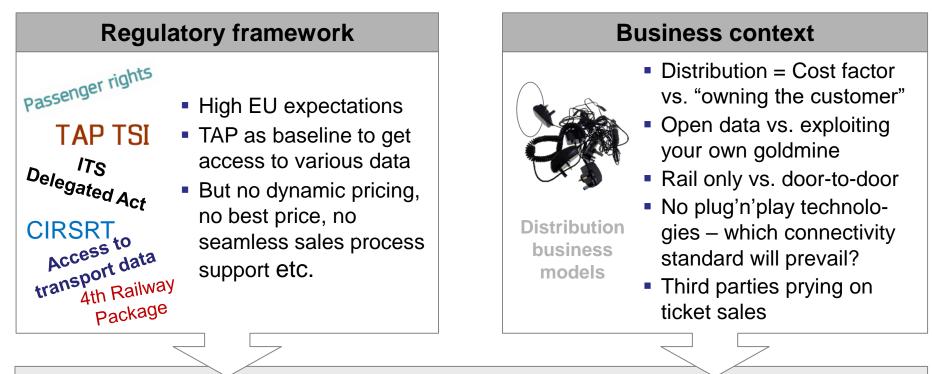


### The market demands improved connectivity in rail distribution -But there are no modern standards yet



- Ticketing interoperability is crucial for seamless travel across Single European Railway Area
- But so far largely limited to
  - Proprietary technologies that worked well predigitalisation
  - UIC members
  - multiple bilateral solutions that are difficult to leverage
- Issue resolution has been high on EP and Commission agendas for several years
- EU regulations have so far not triggered innovation push
- Sector has yet to demonstrate delivery capabilities and superiority of its approaches

# Besides significant legislative pressure the business context is changing dramatically - opportunities and threats for rail distribution



#### Sector approach:

- Be cheerful and constructive, but only do the minimum → Sector's TAP TSI governance
- Specify a market-driven, cost-effective open IT framework for cross-carrier distribution and true interoperability → FSM
- Embrace all relevant ticket vendors under sector terms → TAP TSI & FSM
- Seems to have worked reasonably well since 2010. But the ice is becoming thinner.

### Market need for one-stop-shop distribution services: Customers expect easy and seamless travel solutions



- Customers expect simple solutions for traveling
- Rise of digital services increases expectations towards travel and distribution service providers
- Ultimate goal: seamless travel solutions
- ⇒ Cooperation between travel and distribution service providers is necessary

1. What FSM is about

2. How FSM works in detail

To overcome heterogeneous proprietary connectivity solutions the HLPM and distribution service providers initiated the Full Service Model



Full Service Model (FSM)

- ... is **an Industry Initiative** founded in 2013 aiming at developing **an Open IT Specification**
- ... enables B2B **data exchange** along the **online distribution value chain**
- ... relies on and goes upon European regulation regarding distribution and ticketing (e.g. TAP-TSI)
- ... complements costly individual bilateral ITsolutions between distributors and rail service provider
- ... follows a **step-wise approach**, i.e. it **focuses on rail products** in the beginning so as to manage complexity
- ... considers at the same time **the context of multi-modality and allows**, future enhancements in the direction of other modes of transport

https://tsga.eu/fsm

# FSM simplifies distribution as it complements diverse individual and bilateral distribution solutions between business partners

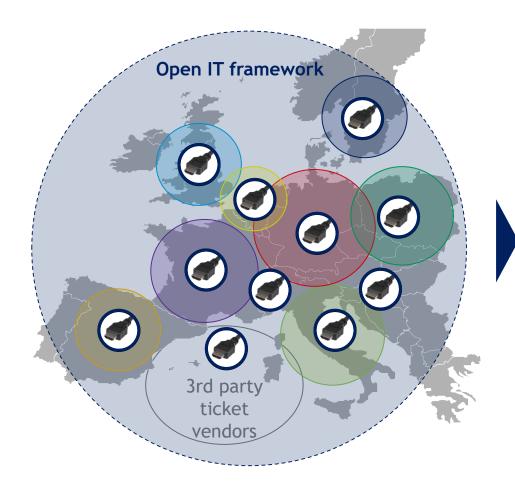
#### What FSM is about



- ... the goal of FSM is to offer an **alternative to the tangle** of individual and bilateral ITsolutions
- ... FSM provides specifications that can be implemented in every IT distribution system
- ... FSM co-exists with other IT-solutions, companies can choose if they want to apply FSM specifications or any other IT-solutions
- ... FSM can be used for any distribution business model, that is, the content /the offer remains unchanged
- FSM functions like a common language companies can learn it, they can offer or order translation services, and they can continue speaking diverse other languages too

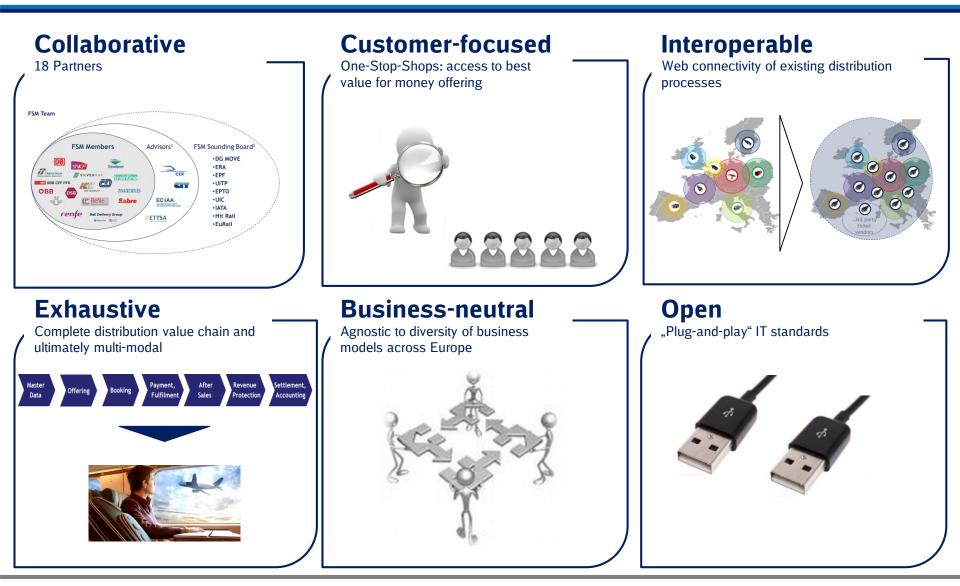
# FSM approach: provide improved interoperability by specifying standardised B2B IT interfaces

#### FSM interface specifications





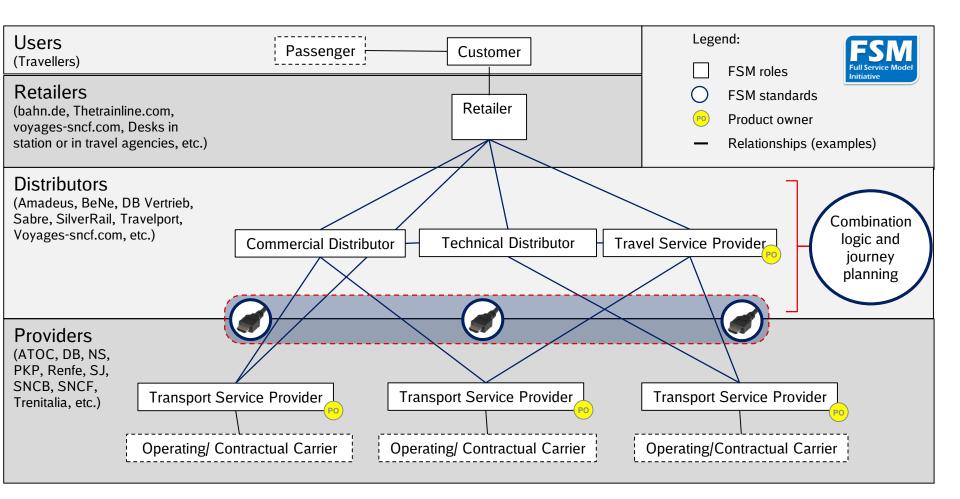
### FSM is based on six key principles



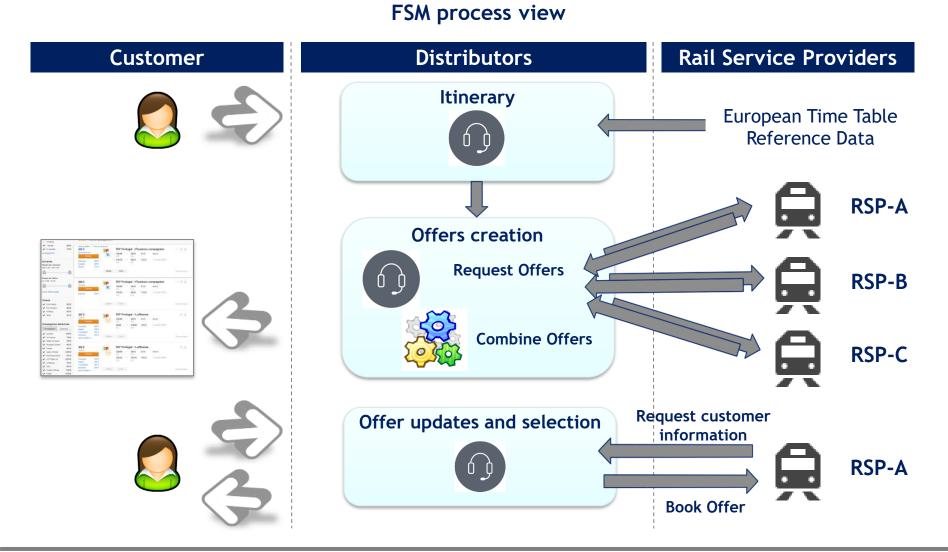
- 1. What FSM is about
- 2. How FSM works in detail



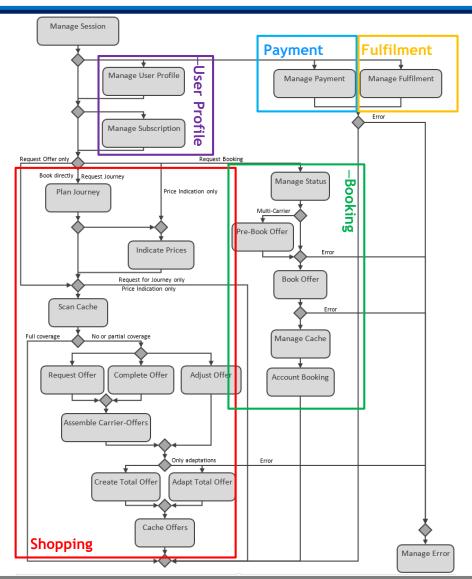
## FSM specifies an online interface between rail distribution players to improve customer access to rail tickets



# FSM covers the business processes between all players interacting to satisfy the needs of the customers



### At design level the workflows and activities provide a common model of both computational and organisational processes



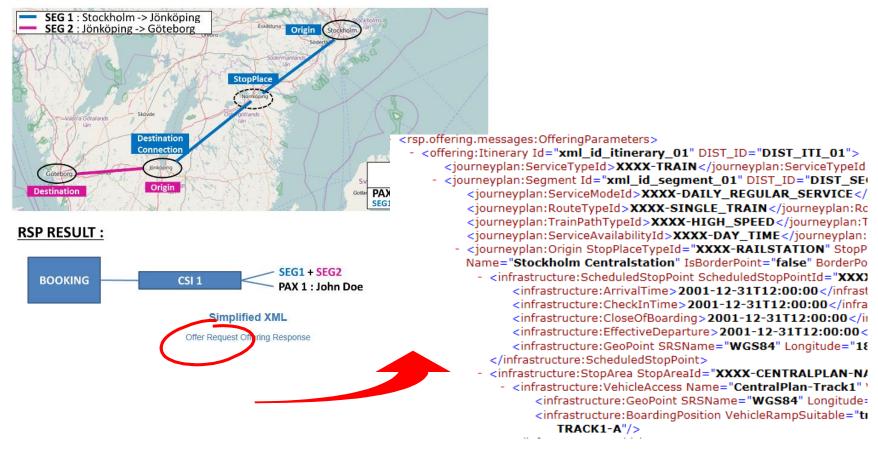
- The activity diagram provides an overview on the sales process
  - Shopping consisting of journey planning and offering
  - ➢ Booking
  - Customer payment
  - ➤ Fulfilment
- The most complex process is offering
  - ➤User profile
  - Subscribed services
  - Price indication and forecast
  - ➤Cache of offers
  - Creation, completion and adjustment of offers

## FSM provides business neutral XML messages enabling the data exchange between distributors and railways

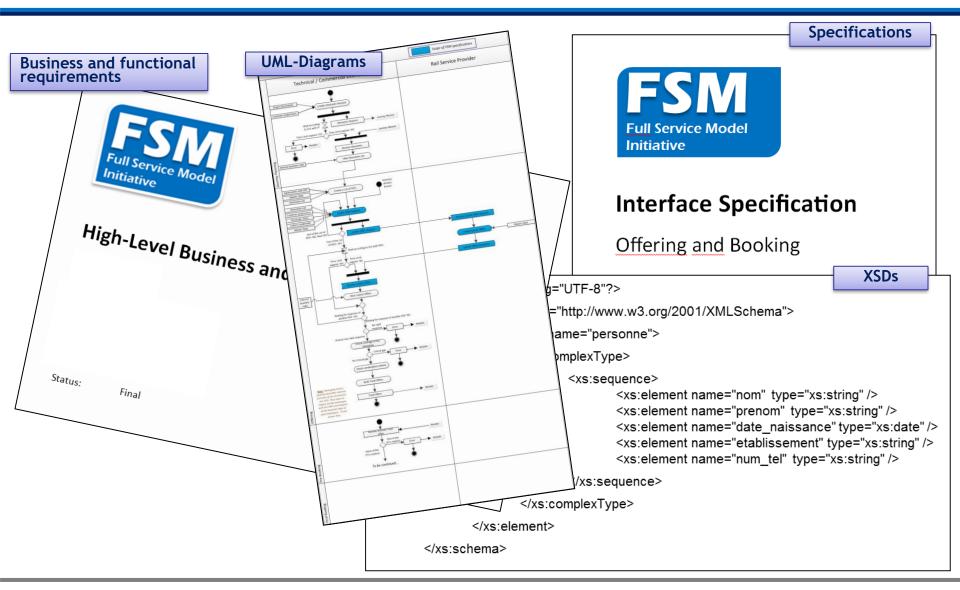
#### Examples

Offering : 1 Passenger – 2 Segments

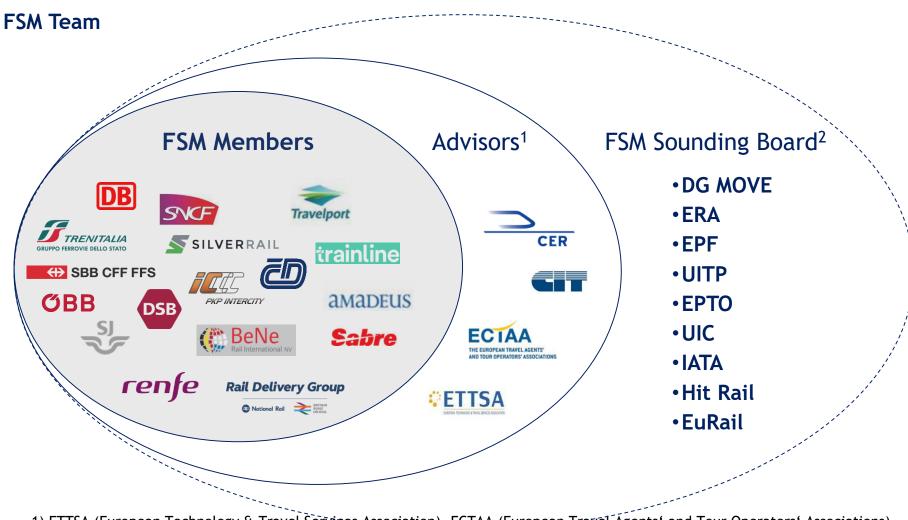
#### **DISTRIBUTOR REQUEST :**



### FSM offers a broad range of deliverables to get started



### The FSM Members continue their commitment to the initiative and will drive further actions to make it happen



ETTSA (European Technology & Travel Services-Association), ECTAA (European-Travel Agents' and Tour Operators' Associations)
Members of the TAP TSI Steering Committee plus representatives of other modes of transport