

Planning for International Logistics



Thursday, Nov 15, 03:30 p.m. - 04:15 p.m.

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Presentation Agenda

I. Introduction

II. Challenges and Solution

III. Conclusion

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Planning for International Logistics - Introduction

Considerations for planning

- Various modes of transport including Sea, Air, Barge etc.
- Time horizon for planning is large.
- Can have multiple modes to deliver to the door.
- Mainly work with forwarders and not the actual transporters.
- Customs point inclusion as stops
- Responsibility of transportation based on INCO Terms.

What will we hear today

- Challenges in each transportation modes and how have we overcome them
- We will focus on Air, Sea and Road
- Other planning challenges

What we will not hear today

- Product classifications
- Customs clearance
- Any trade compliance related challenges

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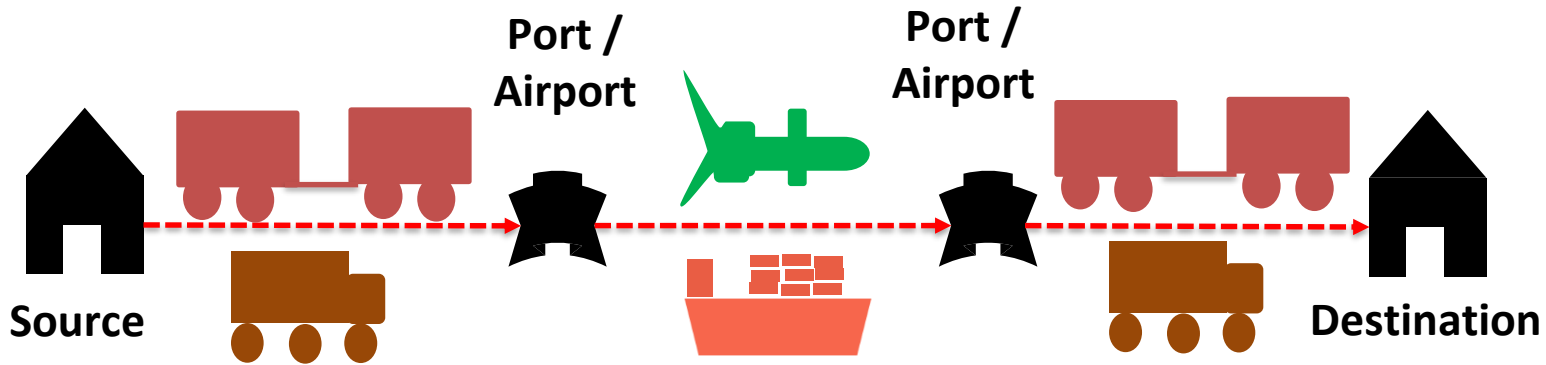
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Typical Transportation Network for Air / Sea

- Multi-leg movement with multiple modes of transportation
- Multiple intermediate points



Air Transportation: Business Constraints

**Planning
based on
schedule**

**3 different
legs of
transport**

**Different
transit time
for each leg**

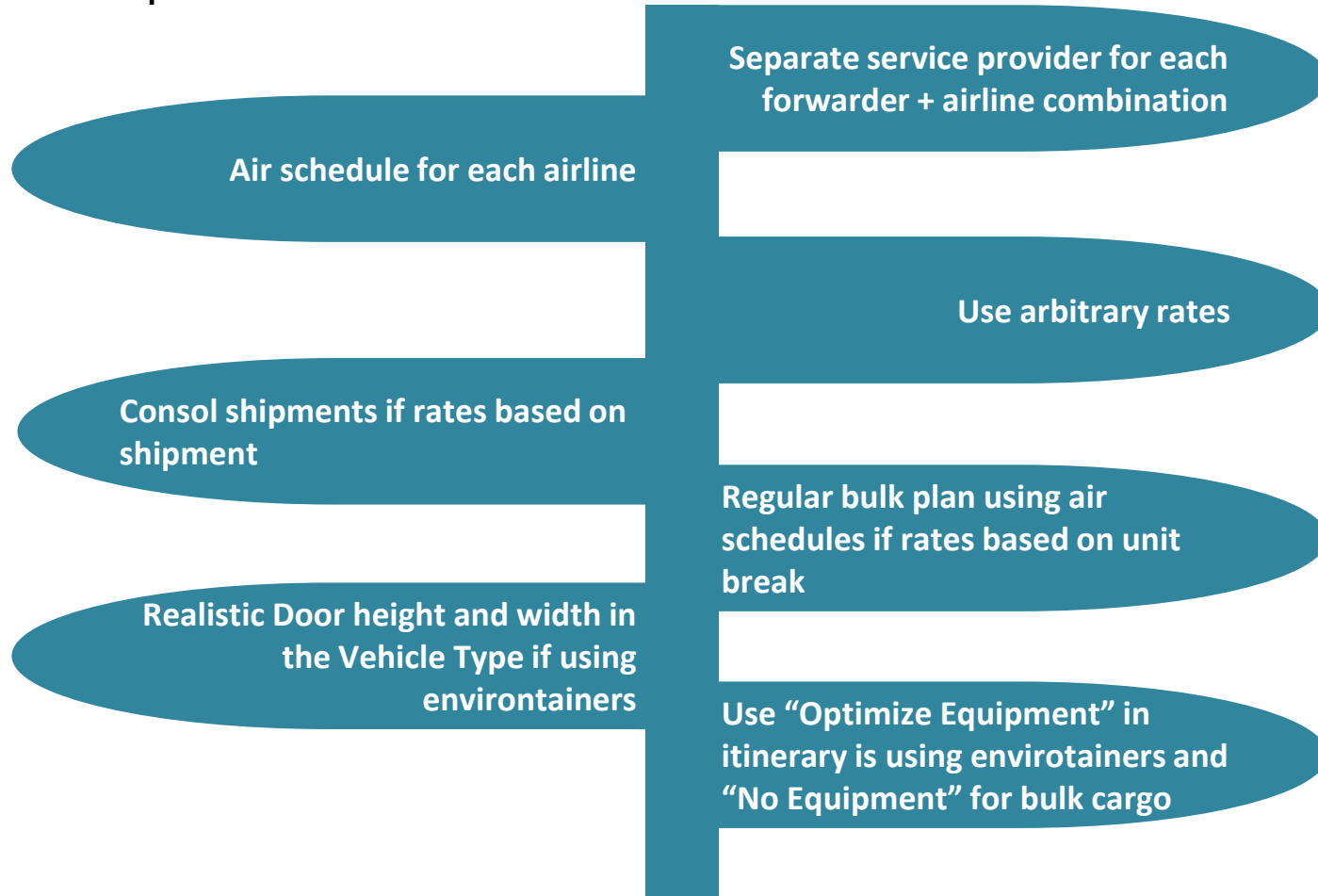


**Rates by
forwarder for
each air line**

**Typically
used for
urgent orders**

**Envirotrainer
of bulk load**

Air Transportation: OTM Solution



Sea Transportation: Business Constraints

**Planning based
on voyage
schedule**

**3 different
legs of
transport**

**Different
transit time
for each leg**

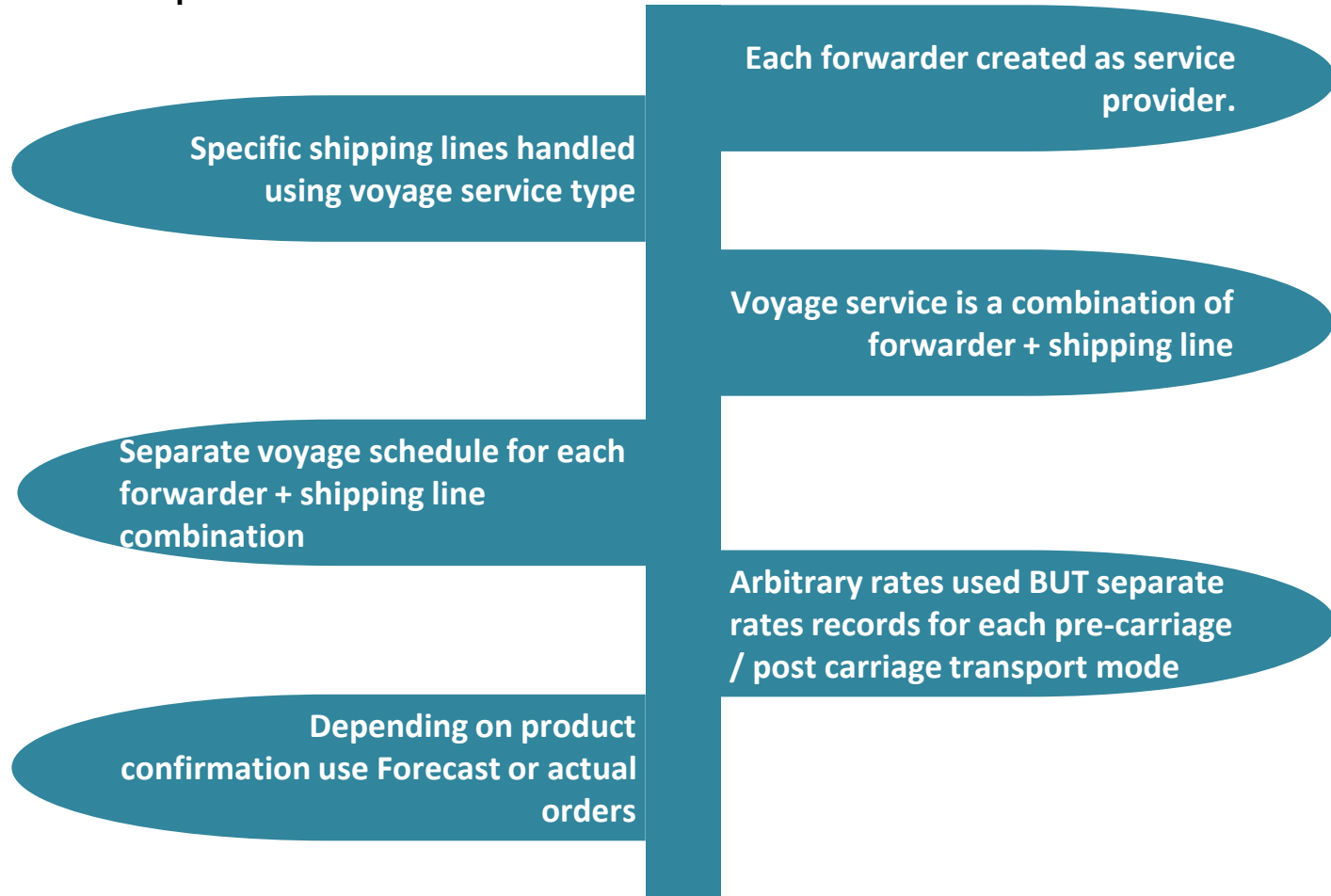


**Rates by
forwarder for
each shipping
line**

**Different
modes of
each leg**

**Use Forecasts or actual
orders as adv forecast
required**

Sea Transportation: OTM Solution



Road Transport: Business Constraints

**Customs point
while crossing
the border**

**Customs point NOT in
the same country as the
source location –
specially in EU**



**Typically
movement is via
central hubs**

**Other constraints
similar to regular road
freight: LTL/FTL, Cross
dock/direct, Multistop**

Road Transportation: OTM Solution

Customs points created as interim location

Create dummy customs point with a different country code if it is not in the same country as source or destination

Rates created for own trucks

Distance constraints added in rate offering

Used network routing for Cross dock vs direct and multiple cross dock option

Other Challenges: Business Constraints

**Shipment
destination based
on the INCO Terms**

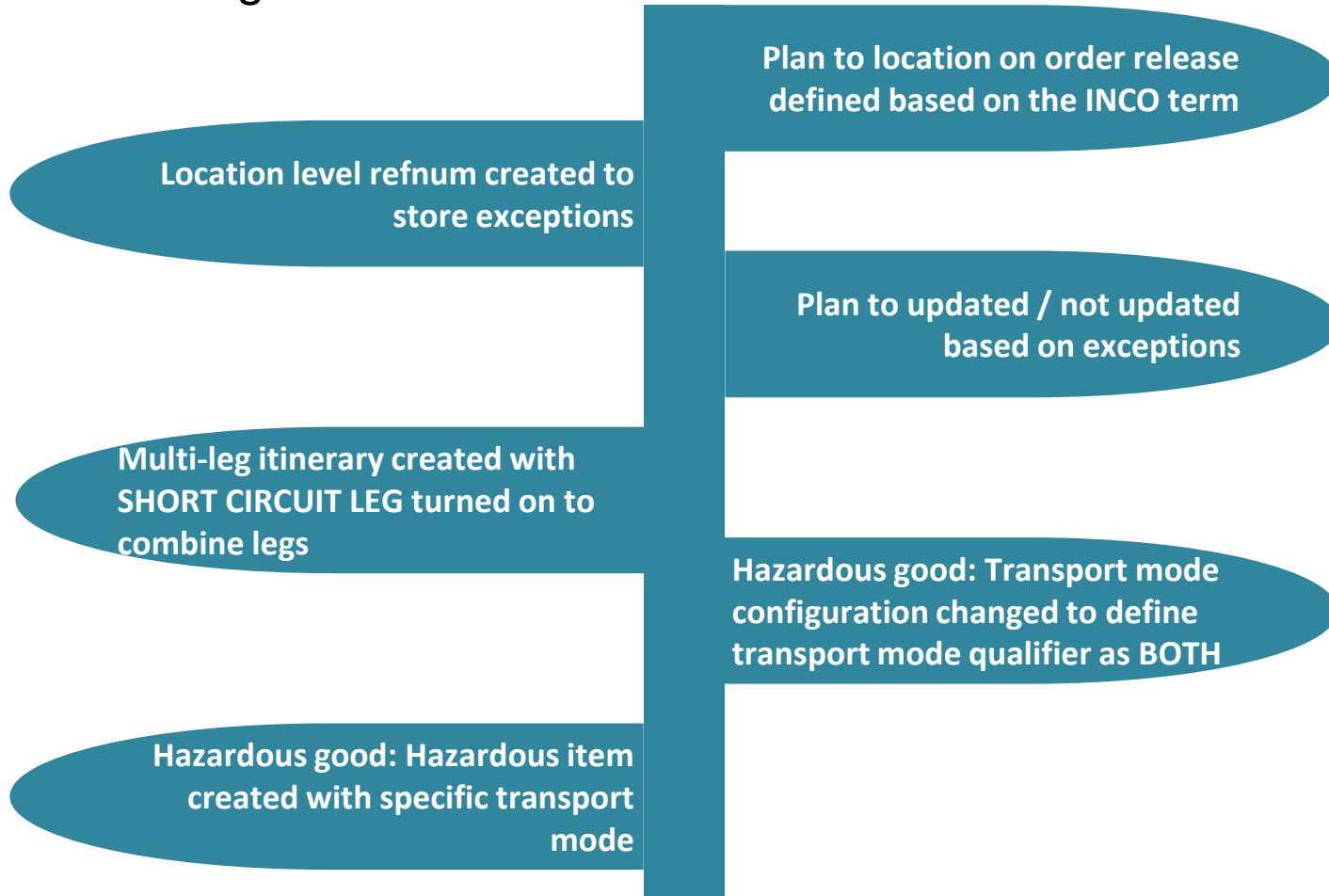
**Same INCO term could
be a door to door move
or door to port**

Challenges

**Orders with different
INCO terms to
combine for common
leg**

**Hazardous goods
definition depends on
the mode of transport**

OTM Challenges: OTM Solution



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Conclusion

Challenges for international planning is different from domestic transportation.

Each mode of transport has its own intricacies.

OTM provides way and means to address most of the challenges

Successfully implemented multiple global transportation network with these features



Q&A

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THANK YOU

VISIT INFOSYS BOOTH FOR MORE DETAILS

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