

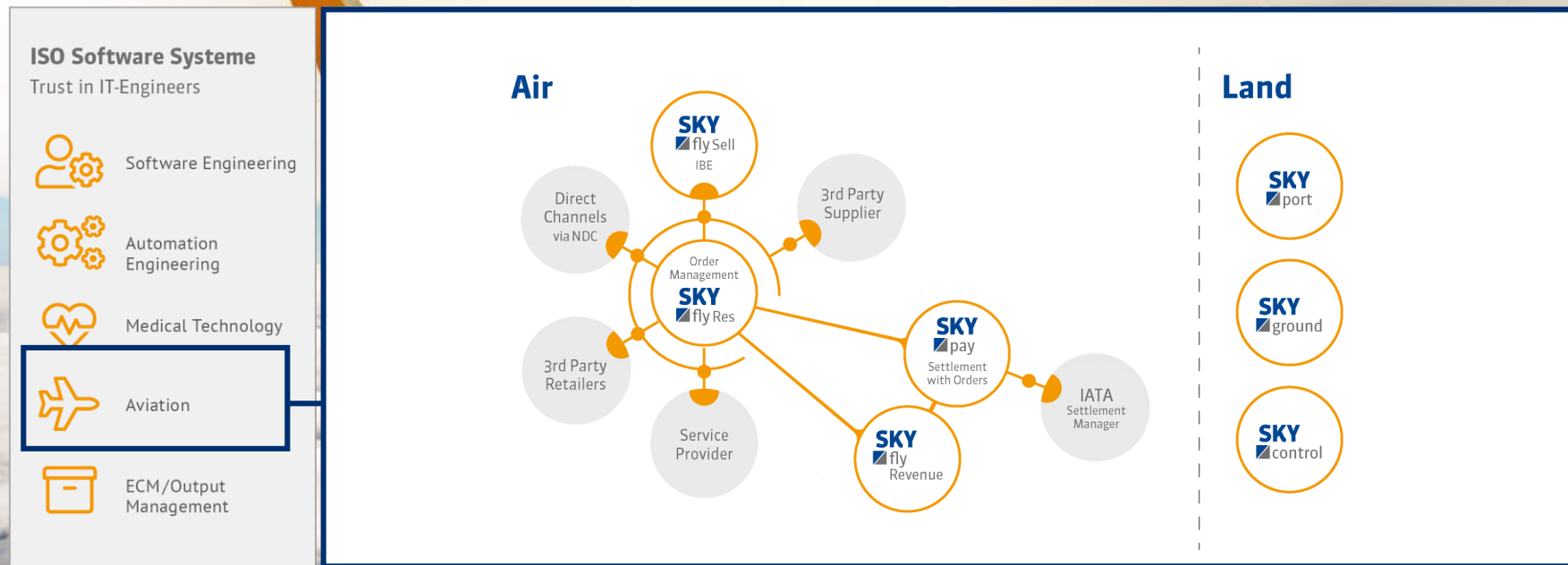
Will only airlines benefit from NDC?

NDC goes Rail
Sep 2020

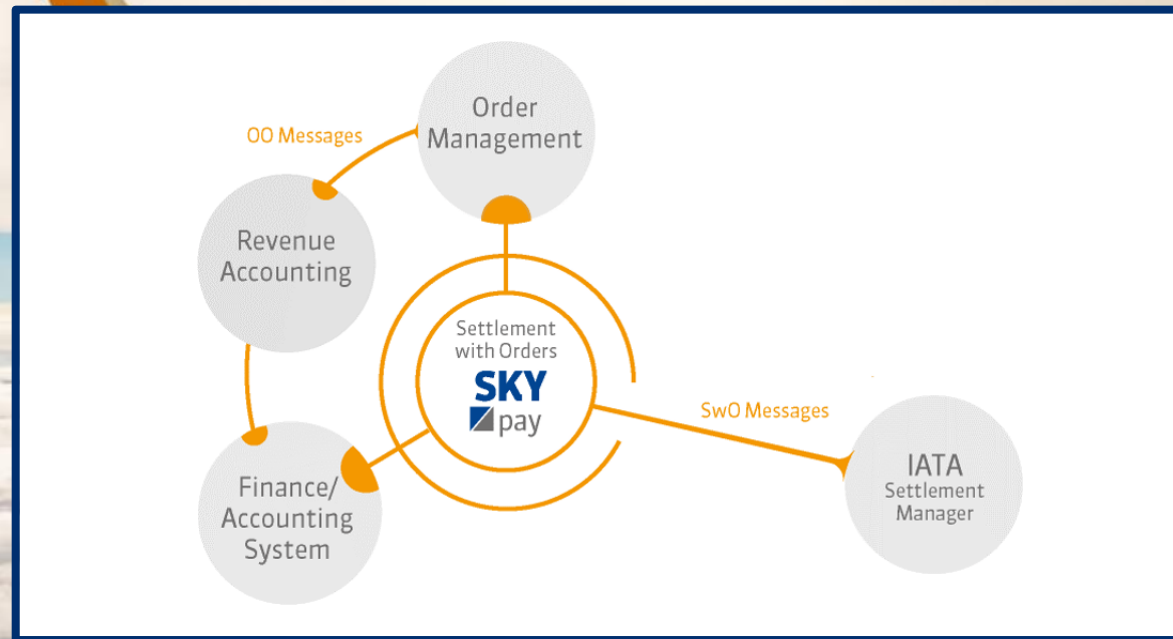
ISO GRUPPE – 600 employees in 38 countries, 300+ customers



Aviation: Solutions for Airlines, Airports, ATC



SKYfly: Ready for Settlement with Orders



ISO Software Systeme – Strategic Partner of IATA since 2011



Certificate of Recognition

IATA is proud to recognize

ISO SOFTWARE SYSTEME GMBH

as a valued member of the Strategic Partnerships program, from 2011 - 2020



Alexandre de Juniac
Director General & CEO



ONE Order Certificate

The International Air Transport Association (IATA) is proud to confirm that

ISO Software Systeme GmbH

is a ONE Order Capable Order Management System, and has met all the necessary requirements.
Certificate issued on: 21 February 2019



Yanik Hoyles
Director Industry Distribution Programs, IATA

ORDER MANAGEMENT SYSTEM



NDC Certificate

The International Air Transport Association (IATA) is proud to confirm that

ISO Software Systeme GmbH

is New Distribution Capability (NDC) Capable Level 4.
Certificate issued on: 9 October 2019

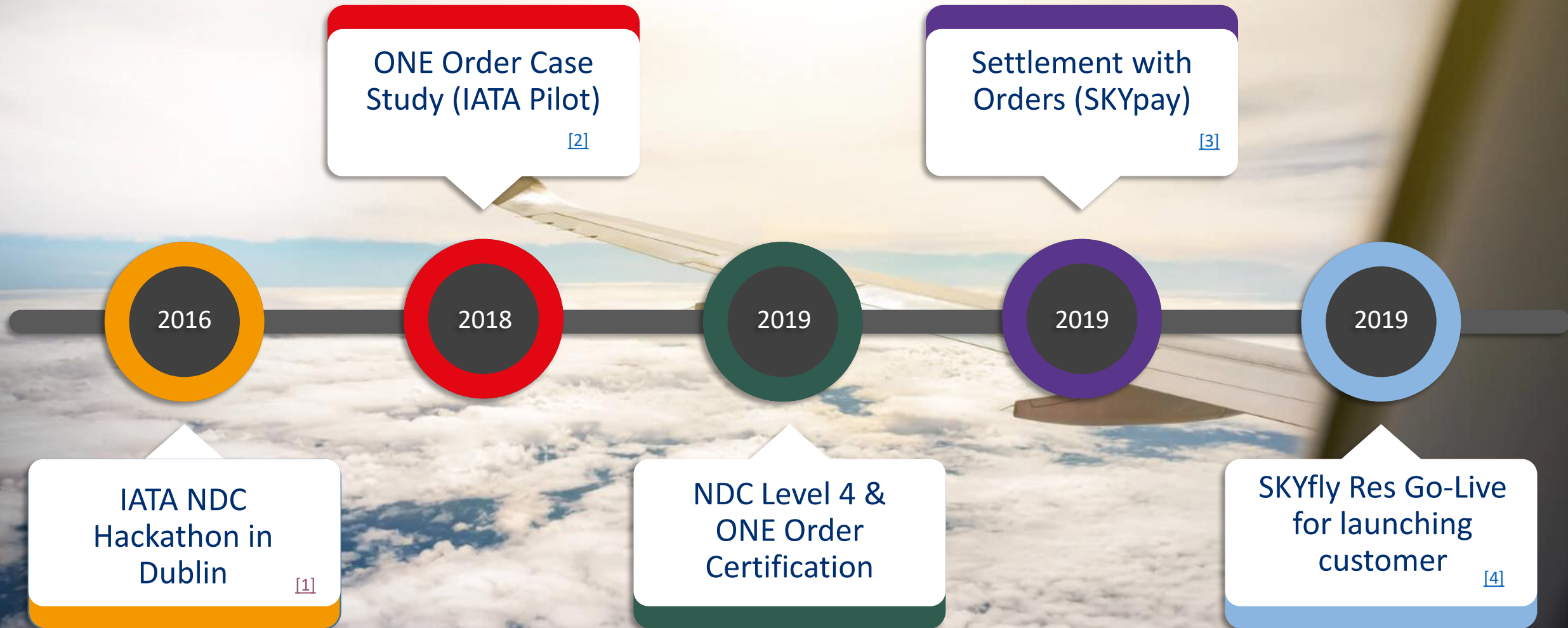


Yanik Hoyles
Director Industry Distribution Programs, IATA

4



ISO Software – NDC & ONE Order Activities





Intermodality using NDC Will it work?

A woman with reddish-brown hair pulled back, wearing a light blue button-down shirt and dark blue suspenders, is looking intently at a laptop screen. Her expression is one of surprise or concern, with wide eyes and an open mouth. The background is a blurred indoor setting with wooden chairs.

Julia wants to visit her sister in Toronto
She is searching for offers starting in Heidelberg
Flights are only offered from FRA

*Why can't my journey
start from my doorstep?*



NDC & SKYfly Res will make her wishes come true.





Our roadmap to intermodal offers






- ✓ **Proof of Concept**
- ✓ **Create intermodal offer construction**
- ✓ **Extend AirShopping capabilities to support train rides**
- ✓ **Connect rail inventory to OMS**
- ✓ **Build NDC interface to a railway company**

4 weeks

Departure

Heidelberg-Altstadt, Germany to Toronto, Canada

10/19/2020
from 667,00 €

	Heidelberg-Altstadt 06:09 am	→ 13:21h, 2 Stop(s)	Toronto (YYZ) 07:30 pm	667,00 € Select an offer
	Heidelberg-Altstadt 06:09 am	→ 00:05h	Heidelberg Hbf	
	Heidelberg Hbf 06:23 am	→ 00:43h	Frankfurt(M) Flughafen Fernbf	
	Frankfurt (FRA) 09:30 am	→ 10:00h	Toronto (YYZ) 07:30 pm	
	Heidelberg-Altstadt 06:59 am	→ 12:31h, 2 Stop(s)	Toronto (YYZ) 07:30 pm	667,00 € Select an offer

Rail services are elemental part of the resulting interline offer and are not treated as ancillary services.

Interested in the full demo? - Contact us!



Thank you for your booking.
We wish you a nice journey!

Hi Julia,

your flight is confirmed. You will receive your booking confirmation by e-mail.

Your booking reference is GF00NPE372GK. Please use this reference for any communication with us as well as for online check-in.

Just booked

Your booking number : GF00NPE372GK

**ONE order for all
transport services**

Heidelberg-Altstadt, Germany to Toronto, Canada

10/19/2020, 06:09 - 19:30

Heidelberg-Altstadt, 06:09 (TRN 2)

Heidelberg Hbf, 06:14

Heidelberg Hbf, 06:23 (TRN 616)

Frankfurt(M) Flughafen Fernbf, 07:06

Frankfurt (FRA), 09:30 (NDC 2402)

Toronto (YYZ), 19:30

Price: 667,00 €

Toronto, Canada to Heidelberg-Altstadt, Germany

10/26/2020, 04:45 - 18:30

Toronto (YYZ), 04:45 (NDC 2403)

Frankfurt (FRA), 14:45

Frankfurt(M) Flughafen Fernbf, 17:23 (TRN 579)

Mannheim Hbf, 17:55

Mannheim Hbf, 18:06 (TRN 2)

Heidelberg-Altstadt, 18:30

Price: 397,00 €

Total price 1.064,00 €

Payment receipt



Credit Card

4111 xxxx xxxx 1111

Total Charge

1.064,00 €

**Interested in the full
demo? - Contact us!**



Why would rail companies use NDC?

- Many railroad companies distribute their product in the GDS (9B)
 - Same cost saving aspects as for airlines
 - Get away from RBD to Dynamic Offers
- A shared communication standard leverages intermodal travel
 - IATA is cooperating with International Union of Railways (UIC), to strengthen joint standard setting [\[1\]](#)

NDC for non-air distribution

- Flight-specific terminology is not always fitting
 - E.g. FlightNumber (why not TransportationNumber?)
 - Some restrictions are not feasible for rail distribution
 - Mandatory 3-letter IATALocationCode (few stations have one)
 - Rail API's use other formats (e.g. 8 digits)
- ➔ With minor readjustments, ISO was able to let rail companies benefit from NDC the same way as airlines do

Our Goal: Seamless multimodal travel through NDC

- Next Steps:
 - NDC Interline Pilot between an Airline and a Rail Company
 - Proof of Concept implementation for Bus and Ferry

Get in touch with us



Ingo Schuch

**Director
Business Development
NDC and ONE Order**

ingo.schuch@iso-gruppe.com



Marc Lucas Baur

**Project Manager
NDC and ONE Order**

marc.baur@iso-gruppe.com

Visit ndc-solution.com for even more details