

# SIS Webinar #01 - 2025 – SIS Integration with Your Systems





# Presenters

## Chris Mengyuan Fang

Interline Officer, Xiamen Airlines

## Bruno Roussel

SIS product Manager  
IATA (GVA)

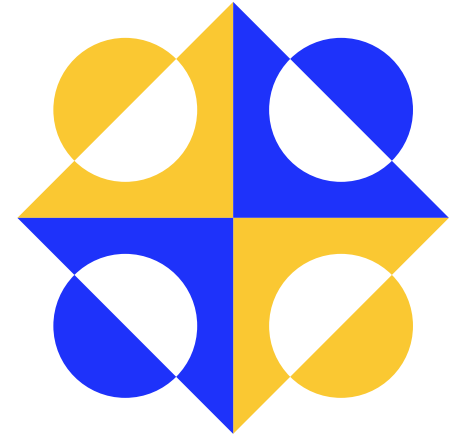
## Azadeh Kordestani

SIS Onboarding Manager, Industry e-Invoicing  
IATA (YMQ)



# IATA Legal Reminders

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- ! IATA will record the webinar and share the link afterwards to the members of this group and it will be posted on the SIS Website.



# Agenda

- Introduction
- Benefits of Integration with SIS
- Single e-Invoicing Standards
- Customizable Integration and Automation Approaches
- Automated XLS-to-XML Solutions
- Q&A





# Introduction to SIS



# What is SIS?



- 1 IATA's Simplified Invoicing and Settlement (SIS) is the highly cost-effective **electronic invoicing platform** developed by IATA to **remove all paper** from the invoicing and settlement of industry services.
- 2 SIS is **streamlining processes** by enabling the **exchange of electronic data** among the industry to **reduce direct operating costs**.
- 3 The use of a single standards simplifies business activity for the industry and allows suppliers to use **one invoicing standard** and process for all their airline customers.

# SIS Membership Types

FEATURES	SIS FOR AIRLINES & INTERMODAL (ISPA)	SIS FOR SUPPLIERS & AIR OPERATORS (ISUA)	SIS FOR INVOICE RECEIVERS (TOU)
<b>Billing Categories (submission classes)</b>	PAX / CGO / UATP / MISC	MISC	MISC
<b>Sending e-invoices</b>	Y	Y	N
<b>Receiving e-invoices</b>	Y	Y	Y
<b>User Access</b>	Unlimited	Unlimited	One (1) User
<b>ERP Integration</b>	Y	Y	N
<b>Data Validation</b>	Y	Y	Y
<b>Automated Posting &amp; Reconciliation</b>	Y	Y	N
<b>Online Functions &amp; Dashboard</b>	Y	Y	N
<b>Audit Trail</b>	Y	Y	N
<b>Fees</b>	Y	Y	N
<b>Payment Status</b>	Y	Y	Y

478

324

125'674



# What is SIS Value proposition 1/2

Allow for financial process automation

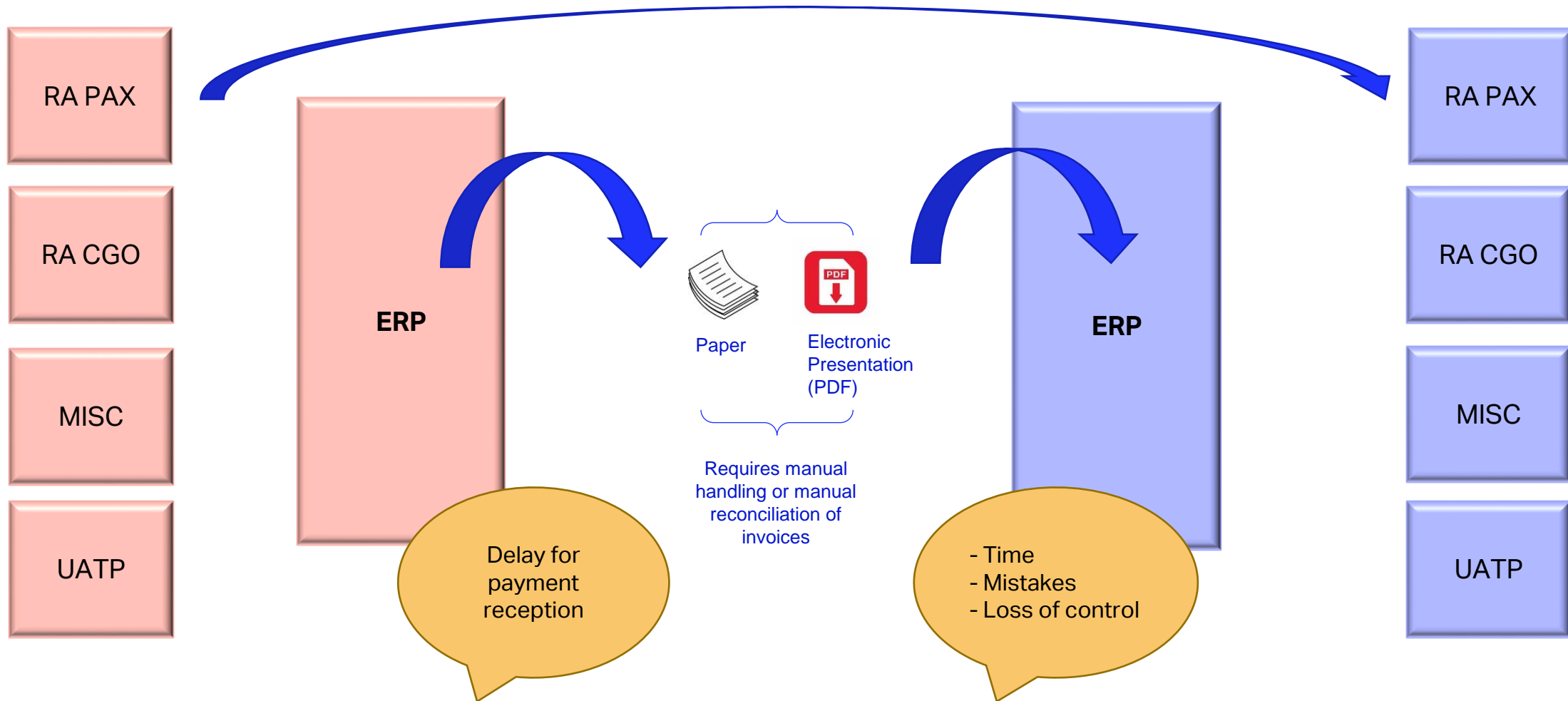
No manual work for low added value tasks

Systems can produce or receive data allowing integration in any system from any system.

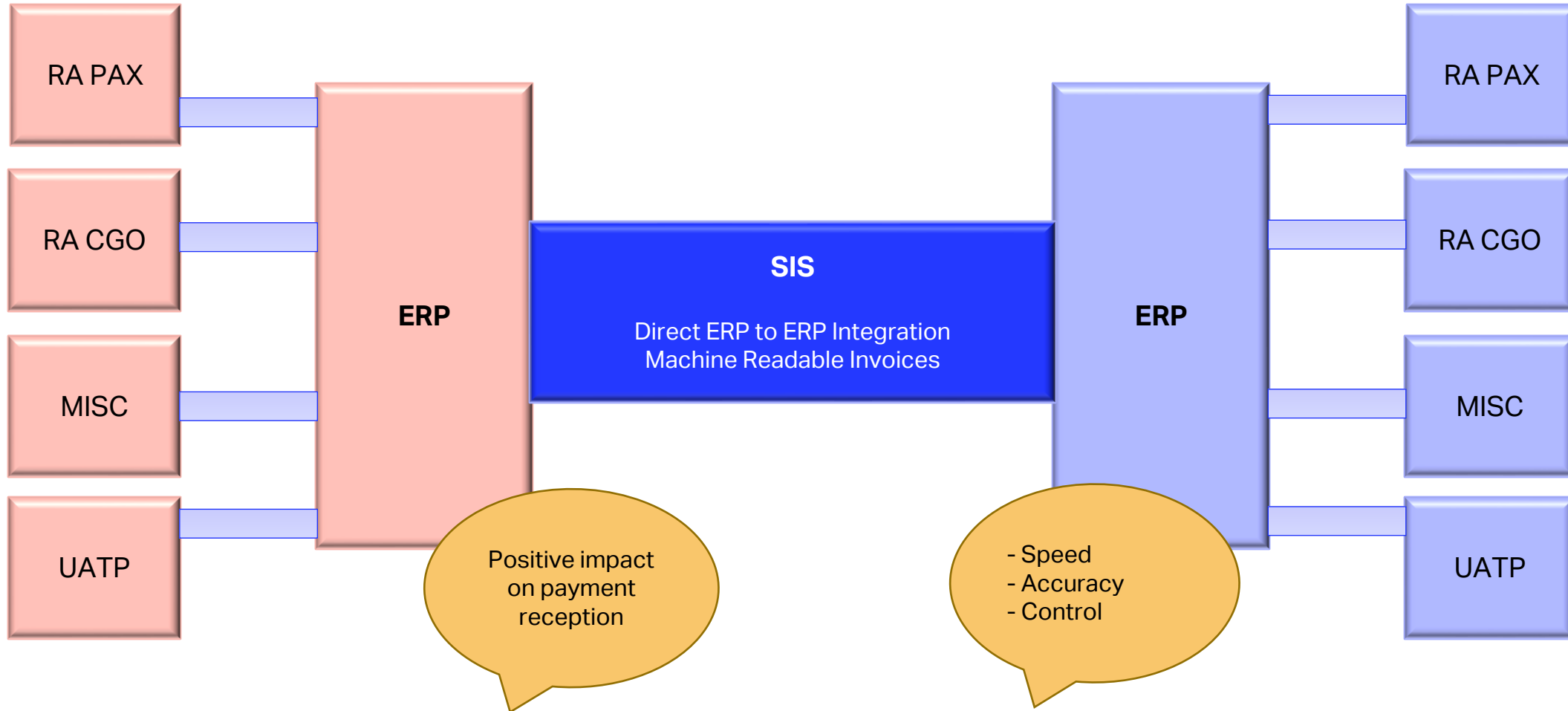
Single standard that allow invoice data hub integration



# Invoicing Before



# Invoicing with SIS



# What is SIS Value proposition 2/2

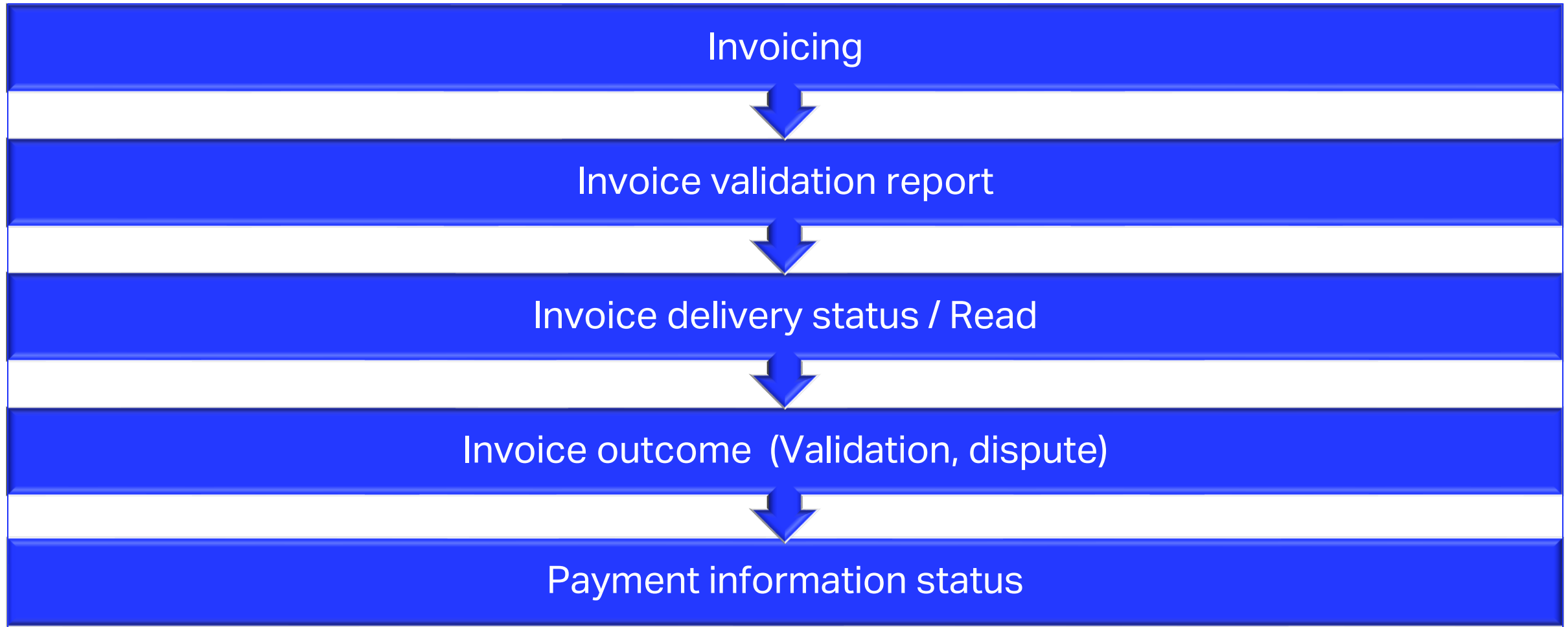
Invoice billing data transmission, or invoice reception are the first process to integrate.

Integration could be of 3 different levels for invoice:

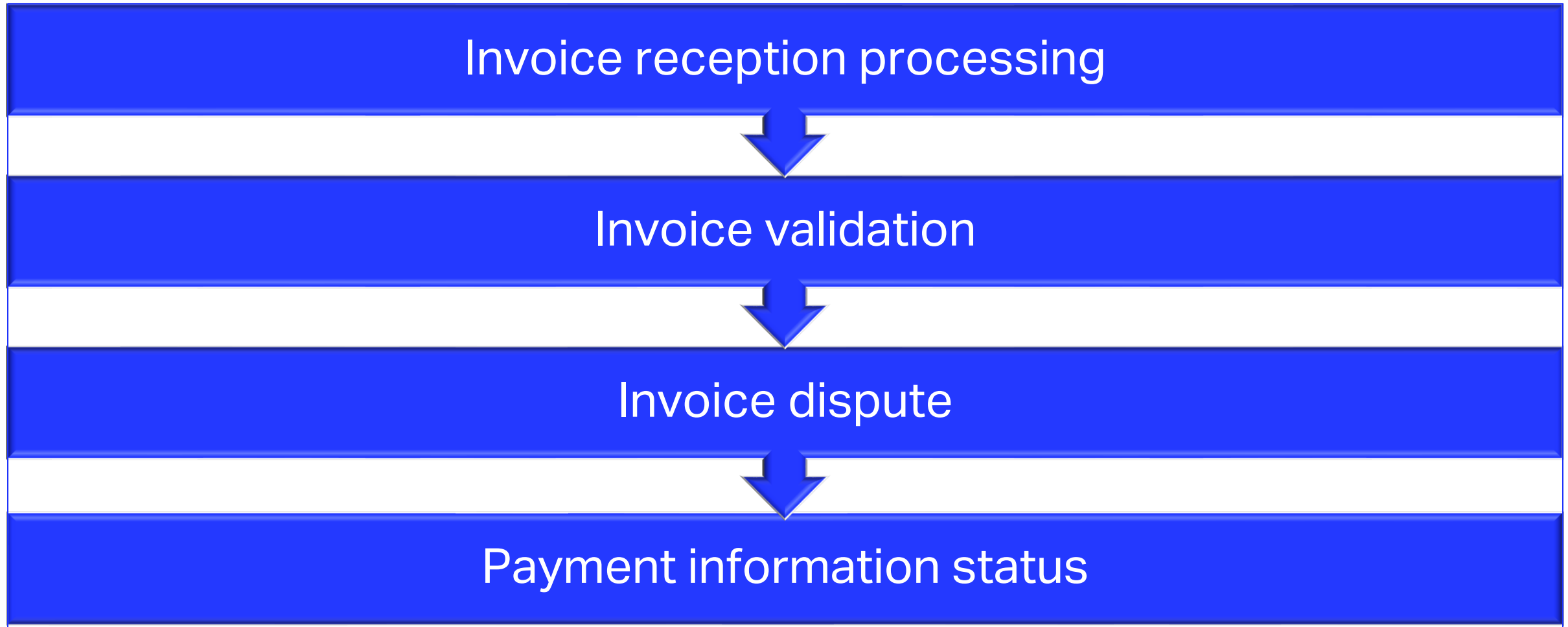
- Accounting
- Cost and Tax Accounting
- Detail cost Reconciliation



# Phases as a sender



# Phases as a receiver



# Process for sender

ERP

ERP allocate invoice number

ERP compute the invoice value

ERP Defines applicable taxes

Billing  
system

Billing system compute consumption of services

All business element are present (flight or coupon level)



# Process for receiver

ERP

ERP accounting

ERP Cost accounting / Workflow

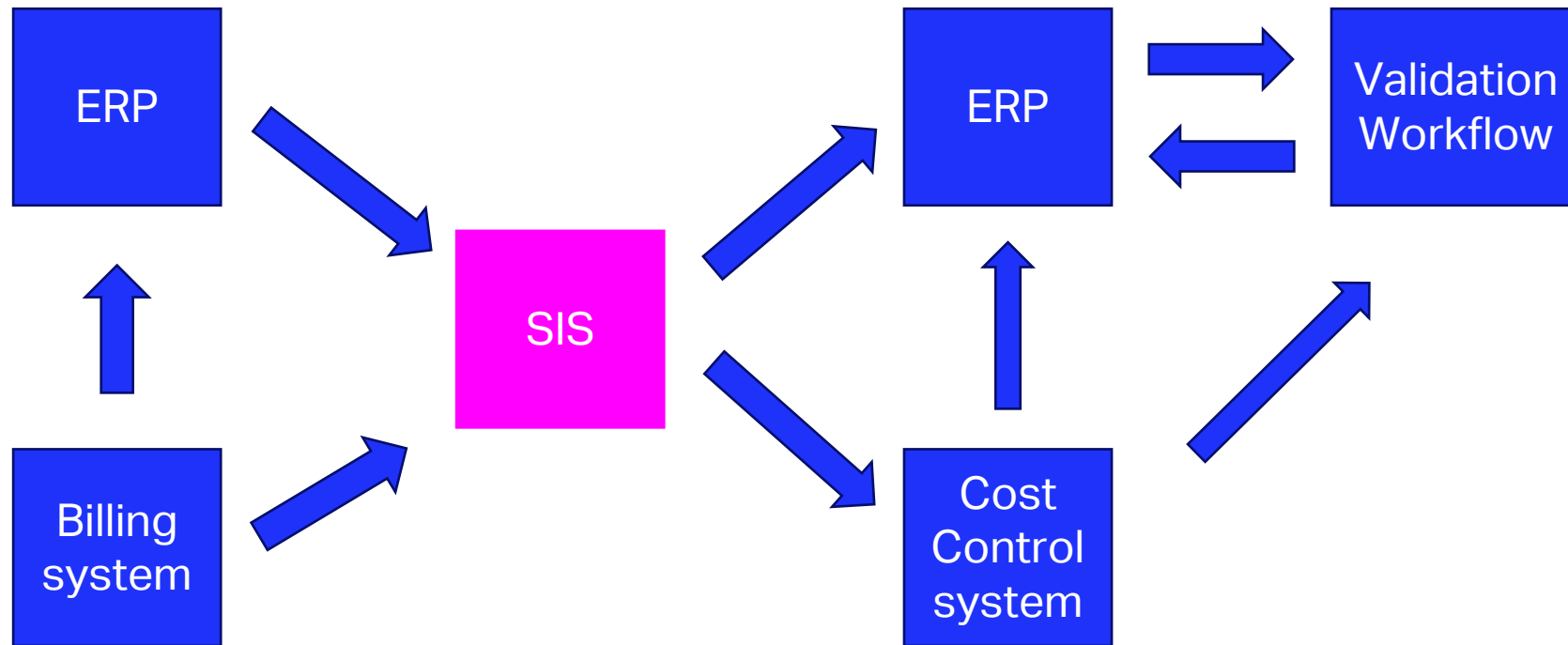
ERP detail cost reconciliation in certain configurations

Cost control  
System

Cost control system validate invoice details

Could be different systems for different segments

# Process flow



# Use cases for SIS e-Invoicing

Historical use case interline (PAX, CGO, UATP, Misc) with ICH settlement

Expansion in Misc Supplier Bilateral and ICH and bilateral interline

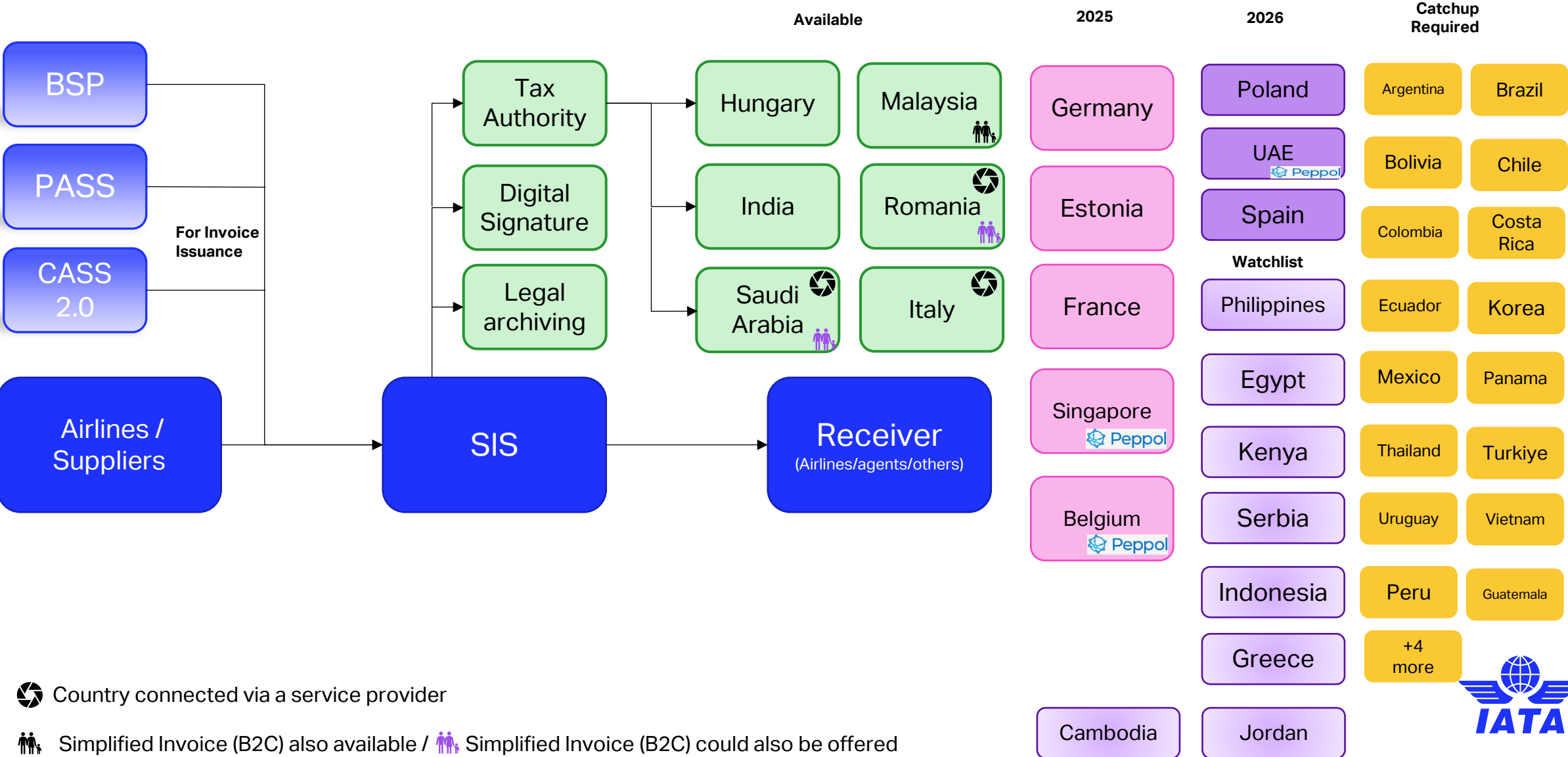
Now expanding on Tax compliant invoicing:

- BSP (Billing and Settlement Plan)
- CASS (Cargo Settlement System)
- Corporate (PAX and CGO) BtoB
- BtoC
- Inbound invoice (non-DOC, like electricity bill)

Across communities billing ( ie Airline with a CASS agent / An airport with a GH)



# SIS e-Invoicing Roadmap on Country Mandates



Country connected via a service provider  
 Simplified Invoice (B2C) also available / Simplified Invoice (B2C) could also be offered



# Systems potential to be connected to SIS

Revenue accounting systems

ERP

Cost control system

Approval workflow (Coupa, Ariba, InvoiceWorks, Basware...)

Dispute system

Payment and payment reconciliation system

Our aim is a Human less process for the groundwork

# How SIS/ICH improve settlement experience



## Standalone settlement process

- Comprehensive settlement services
- Fully digitalized process
- Convenient 'clearing house' experience
- Open-source XML structure



## Trackable & complete audit trail

- End-to-end tracking
- Reporting services
- Access/permission control



## High quality data

- Accurate, complete, & trustworthy
- Standardized modules such as Charge code
- Reduced data volume
- Facilitating financial analysis



## Low financial risk

- Reducing financial cost & risks
- Preventing fraudulent billing



# Benefits of Integration with SIS



# Benefits of Integration with SIS

## 1 Improve Financial Process

SIS improves invoicing and settlement, leading enhanced financial operations among SIS members' AR, AP & Const Control Systems

1

## 2 Cost Reduction & Efficiency

by automating processes, Airlines can reduce labor and operational costs.

2

## 3 Faster Settlement & Cash Flow

Enables quicker invoice Clearance via IATA Clearing House (ICH) and ACH

3

## 4 Broad Connectivity & Standardization

SIS connects around 1109 Airlines, 42 Airports and 1881 Supplier, many IATA Accredited Travel Agent and Cargo Agents around the world

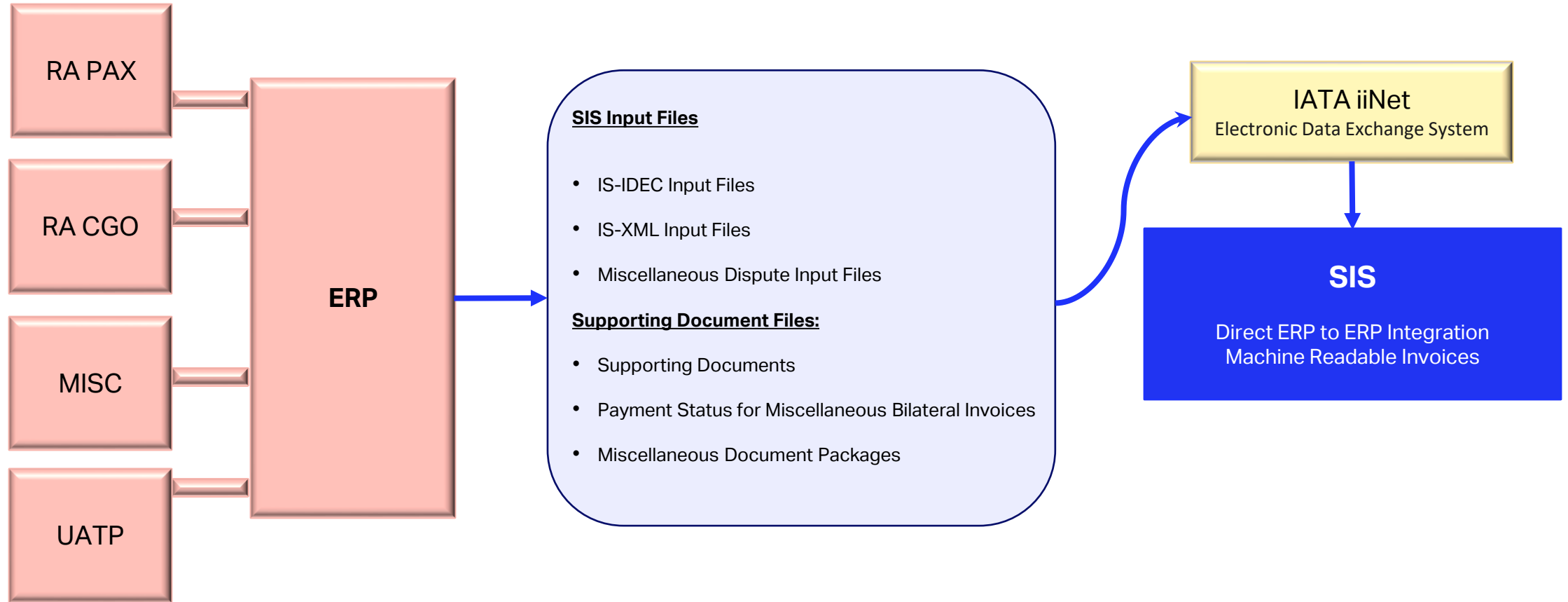
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## 5 Error Reduction & Dispute Management

Minimize billing discrepancies and facilitate handling disputes

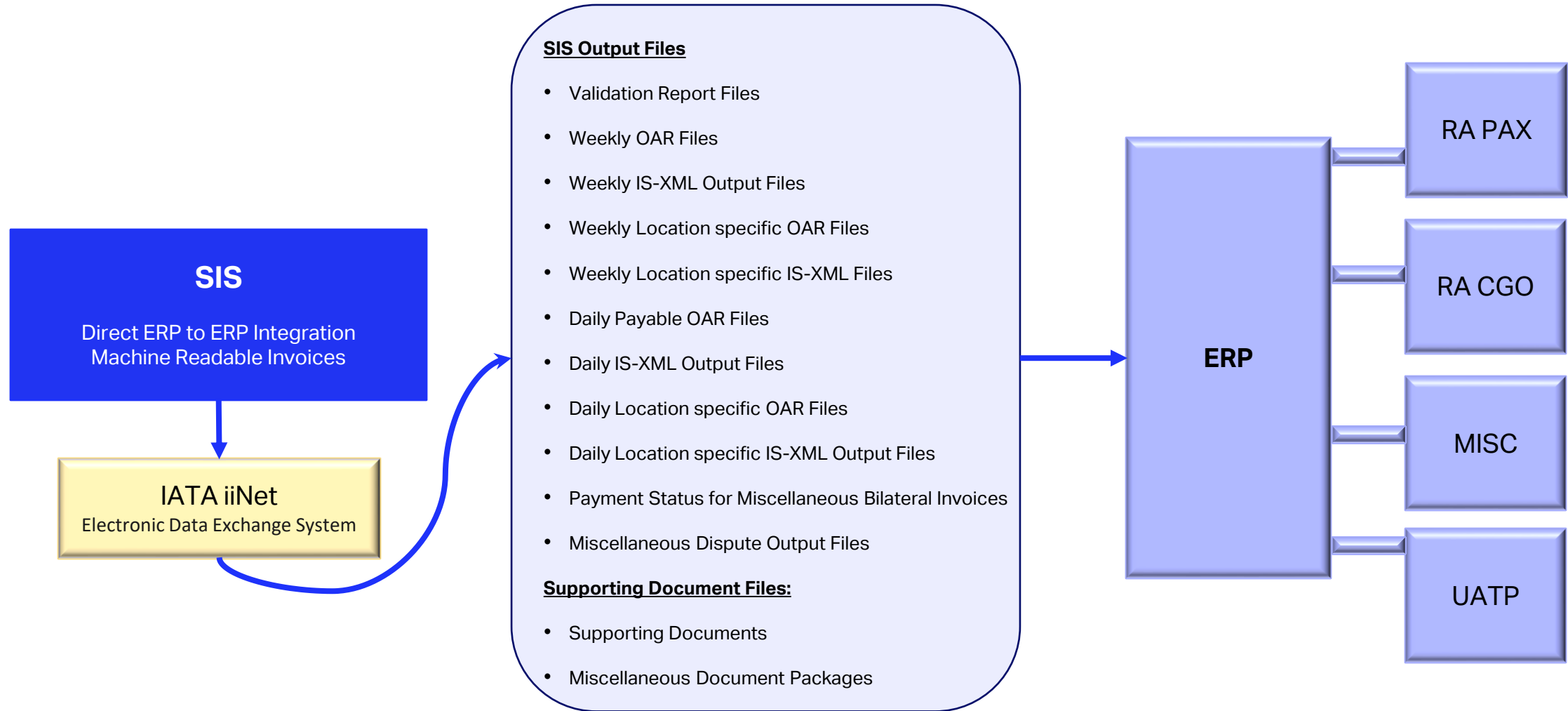
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# Integration with SIS – Input files

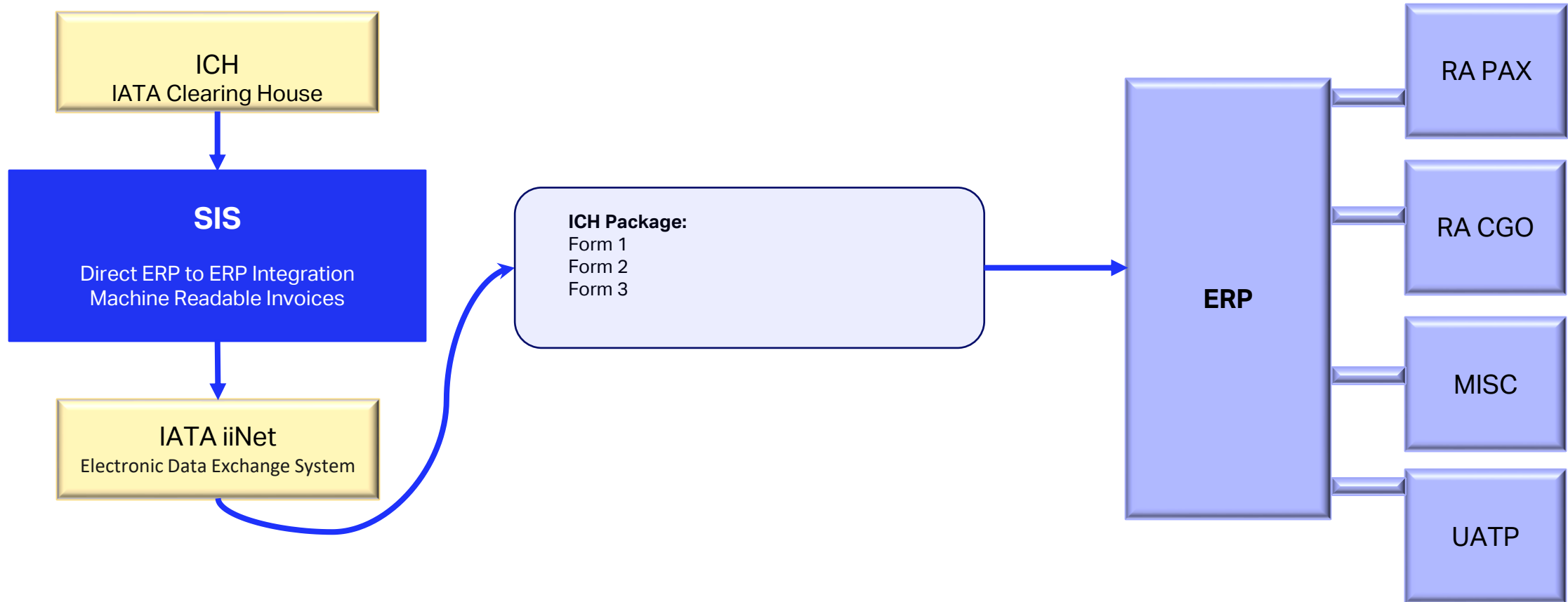




# Integration with SIS – Output Files



# Integration with SIS – Output Files



# Integration with SIS – Output Files





# Automated XLS-to-XML Solutions



Automated **XLS to XML Convertor** is designed for members who are not ready yet to generate IS-XML input files or do not have a solution provider to support XML creation.

# Automated XLS to XML Convertor



## Bridges the Gap for Non-XML ready members

allows members who cannot automatically generate IS-XML input files to easily convert their XLS files into IS-XML file.



## No Need for a Third-Party solution providers

members without in-house or external XML generation solution can use the convertor to submit invoices without additional investment.



## Simplifies the invoicing process

Provides an easy-to-use interface to convert invoice data from Excel to XML, reducing complexity for non-technical users.



# Automated XLS to XML Convertor



## Ensures Compliance

generates XML invoices that meets industry standards and SIS platform validation rules and reduces errors and rejections.



## Save time and Costs

eliminates the need to manually create XML or outsource it to a service provider and does so quickly to reduce time to market.



## Minimize errors

ensures correct formatting and requires fields and reduces the failure of invoices by SIS due to incorrect structure.



# Automated XLS to XML Convertor



## Support a smooth transaction to XML

helps members gradually adapt to IS-XML invoicing without immediate system upgrades or technical investments.



## Enhances operational efficiency

allows quicker invoice submissions and reducing delays in processing.



## Facilitate migration with Robotic Process Automation (RPA)






Large companies can use RPA to migrate clients without having to undertake major internal IT projects. This removes the constraints related to ERP upgrades and long-term system transition strategies.





# Converter Development Process

# Converter Development Process

-  **Invoice Data Mapping** – Analyze and align the structure of the original invoice with the required IS-XML standard format.
-  **Converter Development** – Build the converter tool based on the mapped requirements and ensuring accuracy in data transformation.
-  **Testing & Validation** – conduct initial testing to verify correct data conversion and identify potential issues.
-  **Demo & Enhancement** – Present the convertor for review, gather feedback and fine-tune any necessary adjustments.
-  **Finalization & Usage** – The member starts using the convertor independently and submits their invoices via uploading IS-XML files generated by the converter to SIS platform.

# Our Successful Use Case

A **Fuel provider** running an ERP

We held the meeting on Friday, and by the following Tuesday, we had deigned a converter based on their operational file format.

A **lounge provider** that was asked by airlines to adhere to IS-XML standard

We held the meeting and by the next week, the supplier had a converter based on their operational data template with some additional fields which are mandatory regarding to Industry standard such as invoice number, charge batch code, due dates...

With this new capability we can bring to EDI supplier that don't have technology ready, fast and at no cost.





# Example of XLS-to-XML Converter



# Example of XLS to XML Convertor

Original Invoice & Operation Data



# Example of XLS to XML Convertor



Mapping invoice and Operational data with IS-XML Standard



IATA IS-XML Invoice Standard-v4.3.0.0.xlsx

Line #	Inv	2	3	4	5	6	7	(level)	Language	Occurrence	Type	Size	Billing Category P/C/M/U/G	Dictionary Defined D/P/N	Attribute Dictionary Defined D/P/N	Values	Description
1	InvoiceTransmission									1			G				Defines an Invoice transmission file Required Node
2	TransmissionHeader									1			G				Header Information of the Invoice Transmission File
11	Invoice									1-oo			G				
12	InvoiceHeader									1			G				
161	LinItem									1-oo			G				This is invoice line item
162																	
219	LinItemDetail									0-oo			G				
1098	InvoiceSummary									1			G				Invoice summary information
1170	TransmissionSummary									1			G				

IS XML Standard



# Example of XLS to XML Convertor

	A	B	C	D	E	F
1	<b>InvoiceHeader</b>					
2	InvoiceNumber	Test01				
3	InvoiceDate	2025-01-14				
4	InvoiceType	Invoice				
5	LocationCode	LON				
6	ChageCategory	Ground Handling				
7	SellerOrganizationID	A89				
8	SellerOrganizationLocationID	Main				
9	BuyerOrganizationID	A60				
10	BuyerOrganizationLocationID	Main				
11	CurrencyCode	USD				
12	SMI	I				
13	DigitalSignature	D				
14	Attachment	N				
15						
16	<b>InvoiceSummary</b>					
17	LineItemCount	2				
18	TotalLineItemAmount	1022.840				
19	TotalTaxAmount	24.210				
20	TotalAmount	1047.050				
21						
22	<b>Transmission</b>					
23	InvoiceCount	1				
24	TotalAmount	1047.050				
25	CurrencyCode	USD				
26	TotalTaxAmount	24.210				
27	CurrencyCode	USD				
28						
29	<b>InvoiceTransmission</b>					
30	TrasmissionDateTime	1/14/2025 23:34				
31	Version	IATA:ISXMLInvoiceVN.N				
32	IssuingOrganizationID	A89				
33	BillingCategory	Miscellaneous				
34						
35						

The converter excel file contains different spreadsheets or tabs as following:

- **InvoiceHeader:** contains as settlement method, payment terms and currencies. (Invoice data)
- **Line-Item:** contains summarized services/products and amounts to be charged. (Invoice & Operational Data)
- **Line-Item-Details:** contains detailed services/products and amounts to be charged (Operational Data)

# SIS Reference Material

## www.iata.org/sis

- **'Support'** Tab
  - SIS Testing & User Guide
  - Computer-Based Training
  - Reference Documentation
- **'Documents'** Tab
  - Technical Standards (ISPG, etc.)
  - Sample Files
  - Major Releases' Notes
- **'Webinars'** Tab
  - Industry Webinar Videos

### RETURN TO SERVICES

- Financial Services ▼
  - Air Pulse Newsletter >
  - Aviation Charges Intelligence Center (ACIC) >
  - Exchange Rates Services
- Financial Services for Airlines
- Financial Services for Airports & Air Navigation
- Financial Services for Industry Partners
- Financial Services for Travel Professionals
- Simplified Invoicing and Settlement (SIS) ▼
  - SIS for Airlines**
  - SIS for Suppliers
  - SIS for Invoice Receivers
  - Supplier to Airline e-Invoicing (SAI)

## SIS for Airlines & Intermodal

Joining Simplified Invoicing and Settlement (SIS) instantly connects you with more than 420 airlines and intermodal entities exchanging interline billing data electronically. SIS eliminates the paper from the interline billing and settlement processes increasing efficiency and reducing costs; it enables processing automation which helps reduce billing duplication and simplifies reconciliation.

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SERIES NO. & DATE	TITLE	VIDEO	PRESENTATION
#04-2023   27 Sep-2023	SIS Supporting Documents	<a href="#">YouTube</a>	<a href="#">Presentation Slides (pdf)</a>
#03-2023   05 Jul-2023	SIS Miscellaneous Invoice Data Quality	<a href="#">YouTube</a>	<a href="#">Presentation Slides (pdf)</a>
#02-2023   26 Apr-2023	SIS Location IDs	<a href="#">YouTube</a>	<a href="#">Presentation Slides (pdf)</a>
#01-2023   21 Feb-2023	Dispute Enhancement	<a href="#">YouTube</a>	<a href="#">Presentation Slides (pdf)</a>
#02-2022   31-Aug-2022	SIS Rejections and Correspondences	<a href="#">YouTube</a>	<a href="#">Presentation Slides (pdf)</a>
#01-2022   21-Jun-2022	Introduction to SIS	<a href="#">YouTube</a>	<a href="#">Presentation Slides (pdf)</a>

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Q&A

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