

SIS and ICH WEBINAR-Benefits of Using SIS and ICH





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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.



Presenters

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SIS product Manager IATA (GVA)



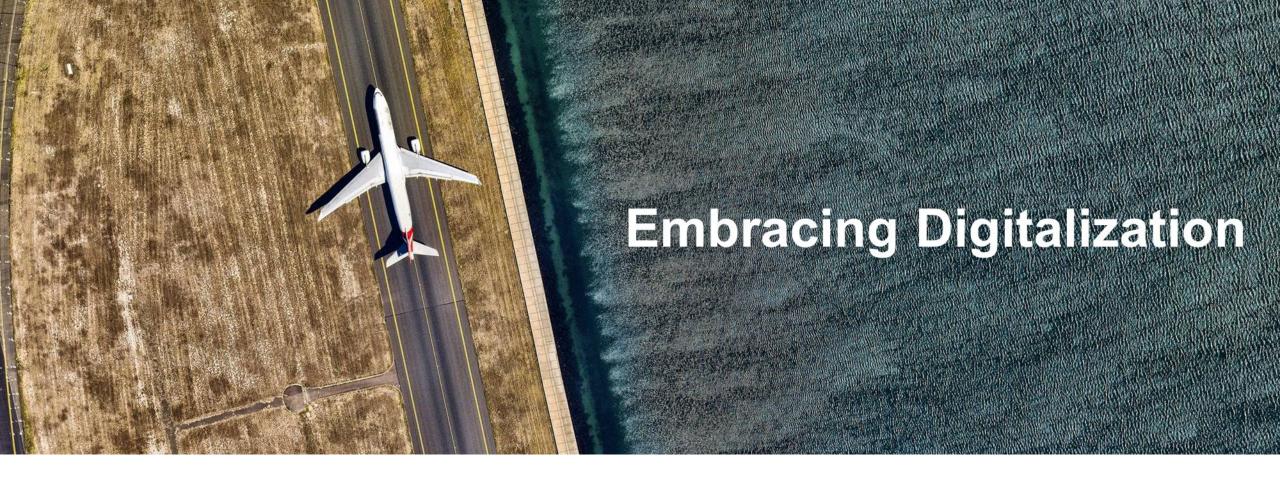


Agenda

- > Embracing Digitalization
 - What is digitalization?
 - > Digitalization at the airport
 - > Digitalization in invoice airport cost controlling
- > Smarter Invoice Payments in ICH
 - > Automated Reconciliation
 - Validation and dispute process
- > Complementary points
- > Q&A







- What is digitalization?
- Digitalization at the airport
- Digitalization in airport invoice cost controlling





Digitalization

What is the digitalization?

Digitalization is the process of leveraging digital technologies to transform a business model, creating new revenue streams and value-producing opportunities.

- Is it helpful while travelling?
- How it helps in cost controlling?









The perception of passenger

IATA's Global Passenger Survey 2024:

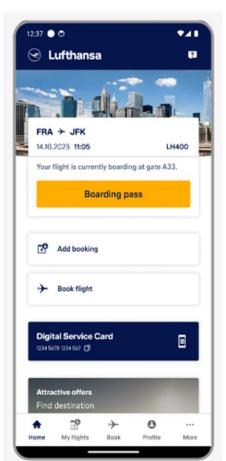
- 89% of passengers would join a trusted travel program for faster security,
- 73% want to use biometric data instead of passports,
- 71% of passengers book online or via apps.





Real-time information system via Lufthansa App

- live information about changes on your flight,
- push notification,
- baggage tracking,
- digital boarding pass.







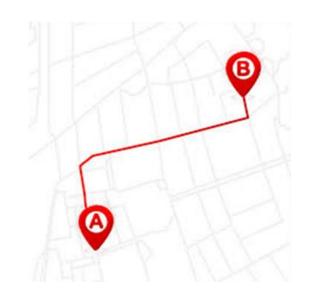




Online maps on FRA, MUC, ZRH, VIE, LHR, JFK

What is it useful for? Navigating:

- Next gate on your connecting flight,
- Shops,
- Restaurants nearby.









Meal voucher due to irregularity - iCoupon



with **secure**, **digital QR codes** – delivered directly to passengers' mobile devices or printed on boarding passes.





Meal voucher due to irregularity - iCoupon

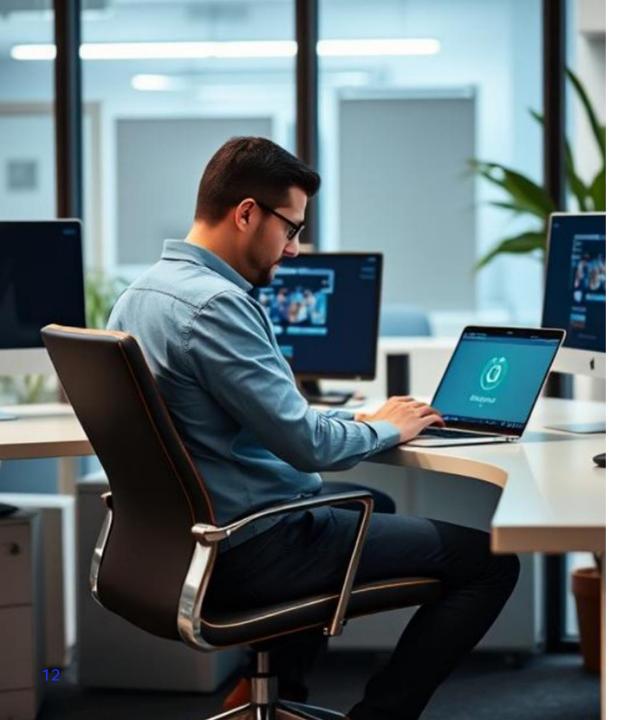




iCoupon replaces traditional paper meal voucher with **secure**, **digital QR codes** – delivered directly to passengers' mobile devices or printed on boarding passes.







How are the charges verified by invoice controllers?





My role as a cost controller

Role and responsibilities:

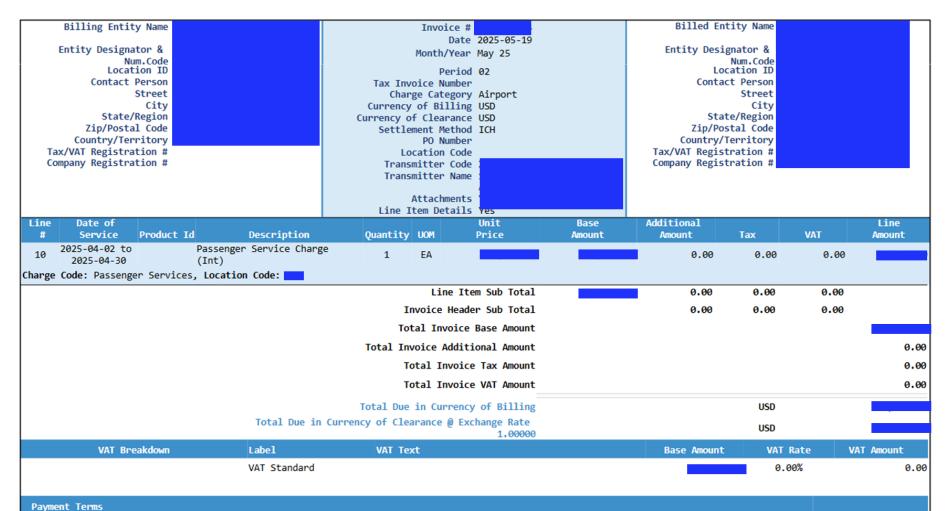
- Ensuring financial efficiency in airport operations,
- Monitoring and analyzing cost-related data,
- Verifying charges and matching invoices with service records,
- Collaborating with vendors, finance, and station teams,
- etc.





SIS invoice

Invoice Digitally Signed



Enhanced fraud prevention

Standardized digital (IS-XML)

Secure digital transmission via SIS



DO NOT PAY. SETTLEMENT THROUGH CLEARING HOUSE

Charge Catgory: Airport
Charge Code: Passenger Services

Line #	Flight Date Time	Flight #	Flight Dir.	Acft. Reg. #	Acft. Type Code ICAO	Max. Take Off Weight @ UOM	Passenger Count @ Type	Location Code @ Type	Quantity	Unit Price	Charge Amount
10	2025-04-02 00:00				A343		226 @ Total	@ Origin @ Destination	1.0000		
10	2025-04-04 00:00				A343		235 @ Total	@ Origin @ Destination	1.0000		
10	2025-04-07 00:00				A343		121 @ Total	@ Origin @ Destination	1.0000		
10	2025-04-09 00:00				A343		136 @ Total	@ Origin @ Destination	1.0000		
10	2025-04-11 00:00				A343		218 @ Total	@ Origin @ Destination	1.0000		
10	2025-04-16 00:00				A343		126 @ Total	@ Origin @ Destination	1.0000		
10	2025-04-18 00:00				A343		236 @ Total	@ Origin @ Destination	1.0000		
10	2025-04-23 00:00				A343		239 @ Total	@ Origin @ Destination	1.0000		
10	2025-04-25 00:00				A343		272 @ Total	@ Origin @ Destination	1.0000		
10	2025-04-28 00:00				A343		155 @ Total	@ Origin @ Destination	1.0000		
10	2025-04-30 00:00				A343		245 @ Total	@ Origin @ Destination	1.0000		

Total of Charge Amounts for Line #10 Excluding Additional Amounts, Taxes and VAT





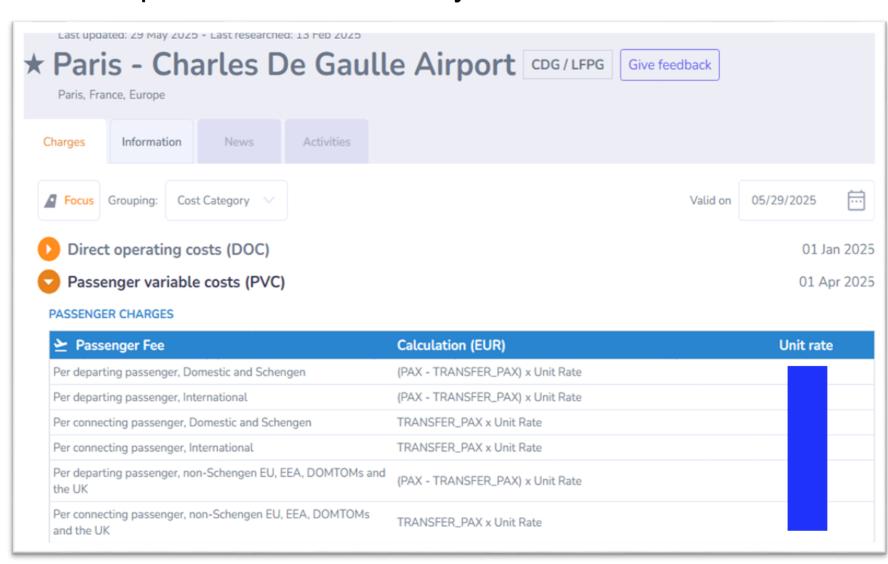
Airport Charges

Each airport provides individual pricelist which is easily accessible

via web page.

Examples:

- landing,
- parking,
- passenger charges,
- security,
- etc.



Digital contracts

Contracts with ground handlers at the airport are signed by airlines.

Examples of services:

- deicing,
- ramp handling,
- pushback,
- towing,
- etc.







Smarter Invoice Payments in ICH



Smarter Invoice Payments in ICH

Objective: Improve accuracy, efficiency, and control in the airline settlement process using IATA tools and automated workflows.

This initiative focuses on simplifying and automating invoice management—from issuance to payment—leveraging standardized forms and validation mechanisms.

Scope includes:

- Reconciliation of payables using structured forms (F1 & F3)..
- A fully traceable, standardized dispute management process.
- Comprehensive monitoring and system-generated alerts.
- Treasury dashboards for strategic oversight and compliance.



Automated Reconciliation Using F1 & F3

F1 Form provides invoice-level detail in USD, organized by the invoice date, ensuring accurate visibility of each payable obligation.

F3 Form summarizes the overall balance with each partner airline.

Automation streamlines reconciliation by:

- Aligning invoice data from F1 with counterpart balances in F3.
- Avoiding manual ledger comparisons and spreadsheet checks.
- Integrating with ERP systems for seamless real-time processing.
- Enabling period-to-period consistency by matching invoice dates to netting cycles.



Automated Reconciliation Using F1 & F3

IATA CLEARING HOUSE

FORM 1 - Final

PAGI 2025-05-28 2

AGREEMENT: STD - Agreement
CLEARANCE PERIOD: P02 May 2025
SETTLEMENT PERIOD: P02 May 2025

CREDITOR

1											
Debtor Member			Invoice Number	Invoice Date	Local Currency	Local Amount	Input Rate	Converted Amount	Invoice Origin		Suspended Invoice
	USD	PAX	0001061250	2025/05/16	USD	239.01	1.00000	239.01	SIS	IS-IDEC	N
	USD	PAX	0001061251	2025/05/16	USD	55.40	1.00000	55.40	SIS	IS-IDEC	N
	USD	PAX	0001061252	2025/05/16	USD	4,191.81	1.00000	4,191.81	SIS	IS-IDEC	N
	USD	PAX	0001061253	2025/05/16	USD	903.98	1.00000	903.98	SIS	IS-IDEC	N
	USD	PAX	0001061340	2025/05/19	USD	9,342.76	1.00000	9,342.76	SIS	IS-IDEC	N
	USD	PAX	0001061254	2025/05/16	USD	1,912,455.43	1.00000	1,912,455.43	SIS	IS-IDEC	N
	USD	PAX	0001061255	2025/05/16	USD	291,475.01	1.00000	291,475.01	SIS	IS-IDEC	N
	USD	PAX	0001061256	2025/05/16	USD	92,929.90	1.00000	92,929.90	SIS	IS-IDEC	N
	USD	PAX	0001061257	2025/05/16	USD	1,455.29	1.00000	1,455.29	SIS	IS-IDEC	N
	USD	PAX	0001061258	2025/05/16	USD	30,688.46	1.00000	30,688.46	SIS	IS-IDEC	N
	USD	PAX	0001061341	2025/05/19	USD	1,777,589.01	1.00000	1,777,589.01	SIS	IS-IDEC	N
	USD	PAX	0001061342	2025/05/19	USD	143,549.33	1.00000	143,549.33	SIS	IS-IDEC	N
	USD	PAX	0001061343	2025/05/19	USD	105,595.96	1.00000	105,595.96	SIS	IS-IDEC	N
	USD	PAX	0001061344	2025/05/19	USD	154.96	1.00000	154.96	SIS	IS-IDEC	N
	USD	PAX	0001061345	2025/05/19	USD	14,097.33	1.00000	14,097.33	SIS	IS-IDEC	N
	USD	PAX	0001061259	2025/05/16	USD	4,999.08	1.00000	4,999.08	SIS	IS-IDEC	N
	USD	PAX	0001061260	2025/05/16	USD	2,191.72	1.00000	2,191.72	SIS	IS-IDEC	N
	USD	PAX	0001061261	2025/05/16	USD	128.00	1.00000	128.00	SIS	IS-IDEC	N
	USD	PAX	0001061262	2025/05/16	USD	12,092.47	1.00000	12,092.47	SIS	IS-IDEC	N
	USD	PAX	0001061263	2025/05/16	USD	452.46	1.00000	452.46	SIS	IS-IDEC	N
	USD	PAX	0001061346	2025/05/19	USD	4,898.00	1.00000	4,898.00	SIS	IS-IDEC	N
	USD	PAX	0001061347	2025/05/19	USD	100.44	1.00000	100.44	SIS	IS-IDEC	N
	USD	PAX	0001061267	2025/05/16	USD	2,245.94	1.00000	2,245.94	SIS	IS-IDEC	N
	USD	PAX	0001061268	2025/05/16	USD	378.90	1.00000	378.90	SIS	IS-IDEC	N
	USD	PAX	0001061269	2025/05/16	USD	2,754.11	1.00000	2,754.11	SIS	IS-IDEC	N
	USD	PAX	0001061120	2025/05/16	USD	478,671.54	1.00000	478,671.54	SIS	IS-IDEC	N
	Debtor Member	Debtor Member Curr Cod	Debtor Member Currency Code USD PAX	Debtor Member Currency Code Billing Category Invoice Number USD PAX 0001061250 USD PAX 0001061251 USD PAX 0001061252 USD PAX 0001061253 USD PAX 0001061254 USD PAX 0001061254 USD PAX 0001061255 USD PAX 0001061256 USD PAX 0001061257 USD PAX 0001061258 USD PAX 0001061341 USD PAX 0001061342 USD PAX 0001061343 USD PAX 0001061344 USD PAX 0001061259 USD PAX 0001061260 USD PAX 0001061261 USD PAX 0001061262 USD PAX 0001061263 USD PAX 0001061346 USD PAX 0001061267 USD <td> Debtor Member Currency Code Category Invoice Number Invoice Date </td> <td> Debtor Member Currency Code Category Invoice Number Invoice Date Currency Currency</td> <td> Debtor Member Code</td> <td> Debtor Member Currency Code Category Invoice Number Invoice Date Currency Local Amount Input Rate </td> <td> Debtor Member Currency Code Billing Category Invoice Number Invoice Date Local Currency Local Amount Input Rate Converted Amount </td> <td> Debtor Member Currency Code Category Invoice Number Invoice Date Currency Local Amount Input Rate Converted Amount Origin </td> <td> USD</td>	Debtor Member Currency Code Category Invoice Number Invoice Date	Debtor Member Currency Code Category Invoice Number Invoice Date Currency Currency	Debtor Member Code	Debtor Member Currency Code Category Invoice Number Invoice Date Currency Local Amount Input Rate	Debtor Member Currency Code Billing Category Invoice Number Invoice Date Local Currency Local Amount Input Rate Converted Amount	Debtor Member Currency Code Category Invoice Number Invoice Date Currency Local Amount Input Rate Converted Amount Origin	USD



Automated Reconciliation Using F1 & F3

DEDITE



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FORM 3 LEGACY - Final

PAGE 2 OF 6

2025-05-28 20:35 EST

CDEDITO

DALANCE

AGREEMENT: STD - Agreement CLEARANCE PERIOD: P02 May 2025

IN ACCOUNT WITH

ZONE B: (USD)

BALANCE	CREDITS			S	DEBIT		MEMBER
		TOTAL	MISC	CARGO	UATP	PAX	CLEARING
180,241	70,989	251,230		2,274		248,956	
527		527				527	
23,058	1,344	24,402	44			24,358	
259,264	14,086	273,350	254			273,096	
3,551		3,551				3,551	
35,781	255,188	219,407	3,364			216,043	
29,282	105,415	76,133				76,133	
7,690	45,202	37,512		77		37,435	
6,823	6,823						
11,321	4,110	15,431		5,472		9,959	
344	31	375				375	
8,340	24,592	32,932				32,932	
8,014		8,014		7,818		196	
6,583	7,748	1,165				1,165	
7,697		7,697				7,697	
6,909	16,805	23,714	1,296	1,718		20,700	
31	31						
1,763	1,763						
581		581		581			
138		138				138	
422	629	1,051				1,051	
2,320	2,320						



Validation and Dispute Process

Ensuring that invoices are validated before payment initiation reduces errors and enforces compliance.

SMI B to I validation checks structure, field compliance, and format integrity before invoices are sent to ICH.

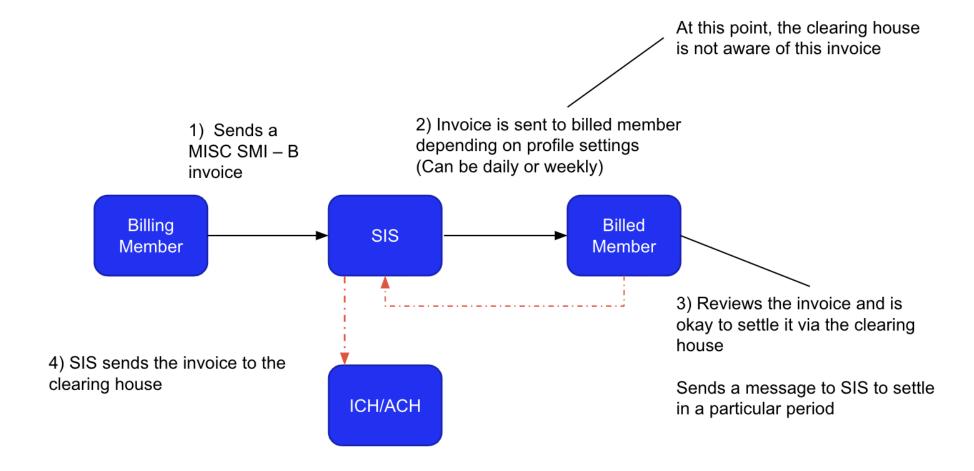
SMI I allows validation of invoices not directly initiated by the airline, providing flexibility while still preserving the right to dispute if necessary.

Dispute Mechanism:

- Uses predefined reason codes and enforceable SLAs.
- System-based workflows improve resolution time and accountability.
- Creates an auditable record of all disputes for internal and external review.

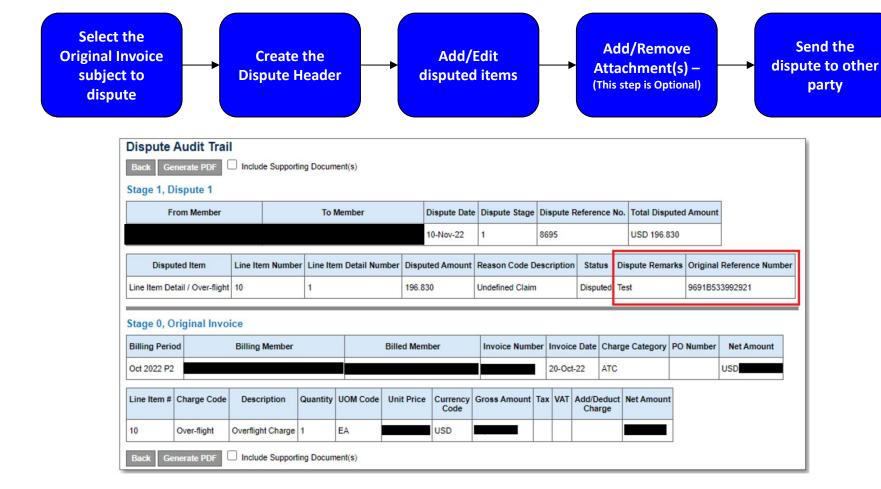


Validation and SMI B to I





Dispute Process & audit trail



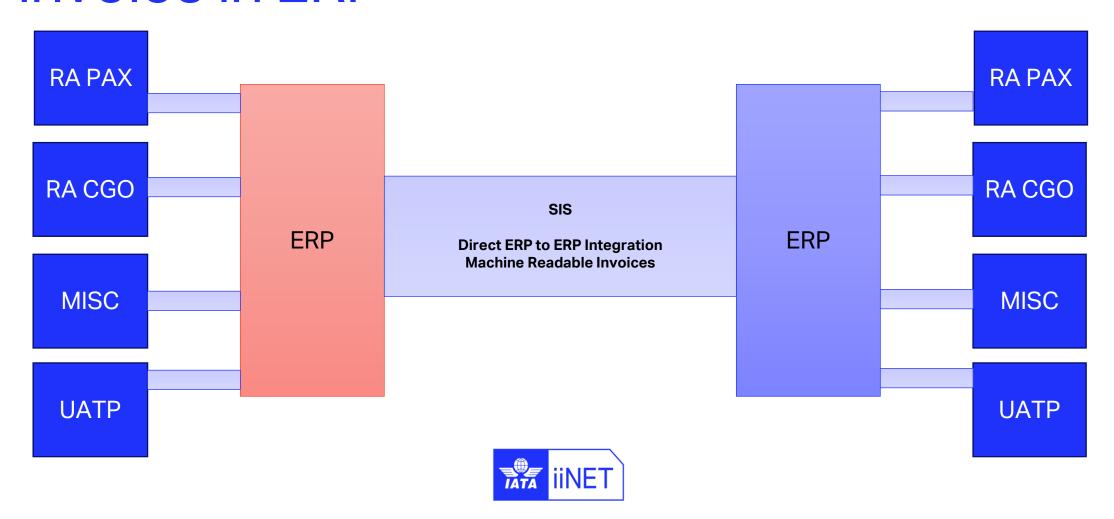




Other considerations

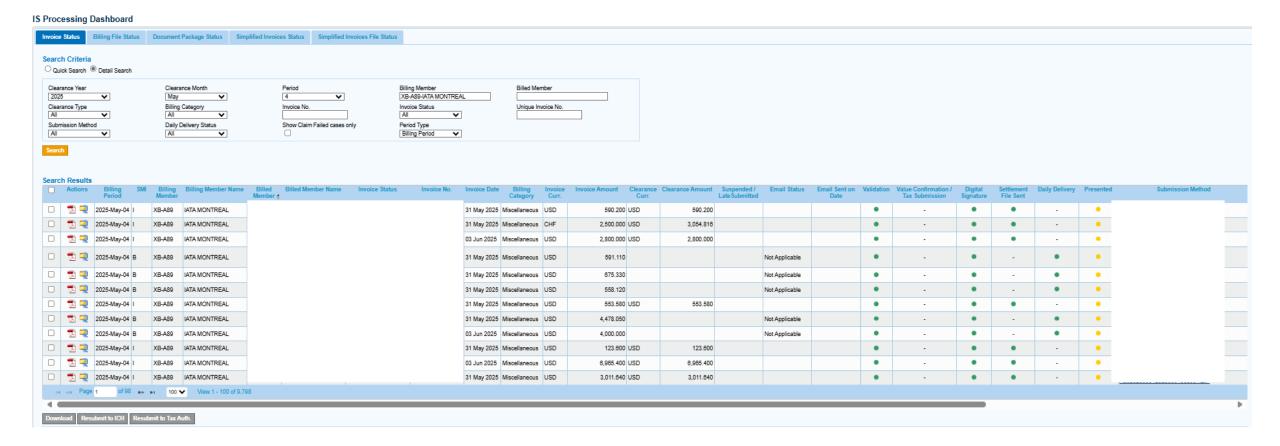


Automate the invoice accounting loading SIS invoice in ERP





SIS Processing dashboard





Embracing Digitalization:

Full process integration through Sanity check, detail validation, ICH payment validation, e Reporting validation before issuance of invoice

Integration with multiple systems PAX CGO UATP MISC (Fuel, ATC, Ground Handling, Catering, Cargo handling...)



Use of validation report from SIS processing outbound billing for automation in ERP

MXMLF-A892025050420250604083648_VAL

A	R	C	U	E	F	G	Н		J	K	L	M	N	U	P	Q	R	S
Serial No B	illing Ent	Clearance	e Period Nu	Billing Ca	at Billing File Name	Billing File	Submission	Billed Enti	i Invoice Νι Cur	rency ((Invoice Amoun	Invoice Status	Error A	Total number of billing records	Records successfully validated	Records i	n Validatior	n Error
1 A	89	202505	4	M	MXMLF-A892025050420250604083648.XML	20250604	IS-XML	08009805	009770953 USI)	169.87	V	N	5	5	0	j	



Use of invoice processing file reconciliation file for ensuring invoice completion in SIS

PRINVF-A89250503	6/4/2025 11:07 AM	Compressed (zipp	83 KB
	0/ 1/ 2023 1 1101 7 1111	compressed (Elppin	00 110

Serial No	Billing En	Clearance Period	Billed Enti	Billing Ca	Settlemen	Invoice Num	Invoice Ty	Currency	Invoice Ar	Currency	Invoice Amo	unt in Clearance	e Currency
1	A89	202505 03	001	M	I	0097472956	IV	USD	2889.6	USD	2889.6		
2	A89	202505 03	001	M	I	0097682223	CN	USD	-2889.6	USD	-2889.6		
3	A89	202505 03	006	M	I	0097690546	IV	USD	264.63	USD	264.63		
4	A89	202505 03	014	M	I	0097682344	IV	USD	164.19	USD	164.19		
5	A89	202505 03	016	M	I	0097689705	IV	USD	859.58	USD	859.58		
6	A89	202505 03	016	M	I	0097689704	IV	USD	844.09	USD	844.09		
7	A89	202505 03	016	M	I	0097690570	IV	USD	1179.93	USD	1179.93		
8	A89	202505 03	018	M	I	0097690583	IV	USD	243	USD	243		
9	A89	202505 03	020	M	I	0097359002	IV	USD	2731.58	USD	2731.58		
10	A89	202505 03	020	M	I	0097522436	IV	USD	2876	USD	2876		
11	A89	202505 03	023000221	М	В	0097688882	IV	AUD	1424.8		00.000		
40	400	000505 00	000004404		n	0007077044	13.7	ALID	4404.0		00.000		



e-Invoicing and e-reporting SIS capabilities (Interline, CASS BSP BtoB BtoC)

Email Status	Email Sent on Date	Validation	Value Confirmation / Tax Submission 🛊	Digital Signature	Settlement File Sent	Daily Delivery	Presented
Not Applicable		•	IN - Completed	-	-	•	•
Not Applicable		•	MY - Completed	-	-	•	
Not Applicable		•	MY - Completed	-	-	•	•
Not Applicable		•	MY - Completed	-	-	•	
Not Applicable		•	MY - Completed	-	-	•	•
Not Applicable		•	MY - Completed	-	-	•	
Not Applicable		•	MY - Completed	-	-	•	•
Not Applicable		•	MY - Completed	-	-	•	
Not Applicable		•	MY - Completed	-	-	•	•
		•	MY - Completed	-	•	-	
			•				

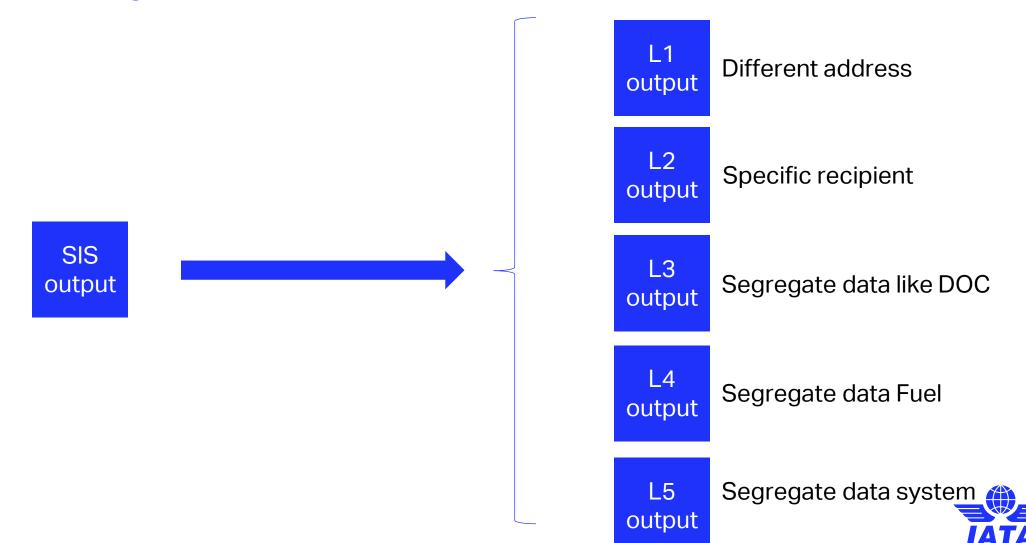


Automate the invoice cost accounting allocating SIS invoice in different internal cost center.

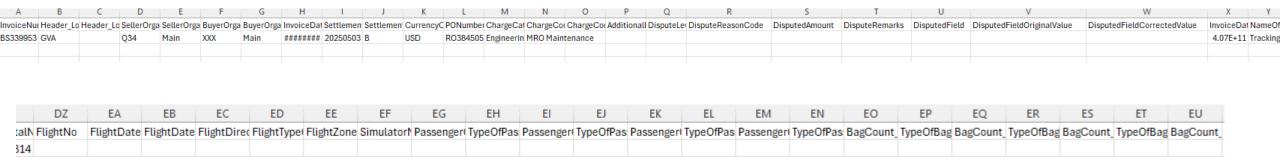
Invoice Number
Invoice type
Seller Organization ID
Buyer Location ID
Charge Code
Product ID
Service description



Capacity to use location ID for business need, tax need, system needs, data feed needs



Capacity to use CSV reconciliation file for invoice checking and return to SIS as dispute.





Smarter Invoice Payments:

- Payment status for invoice paid outside of ICH
- Alerts from SIS and ICH advice message
- Payment compliance having the right account on invoice or paying through ICH.
- Automate the F1 F3 payment reconciliation



Cash Flow Optimization:

Usage of SMI X for local currency avoiding FDR

Future date submission for ICH invoice allowing respect of payment terms for Misc billings



Check out our webinar on IATA
Clearing House
(ICH) Reports
for additional information!





Thank you!

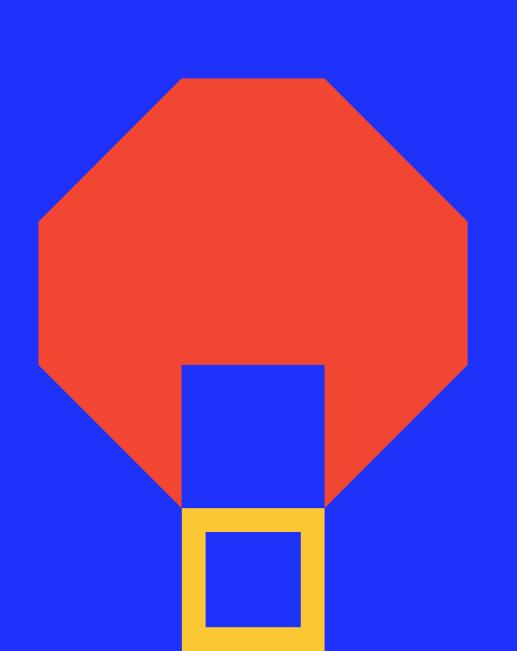
Need help?

Contact us via the IATA Customer Portal

www.iata.org/CS







SIS & ICH Reference Documentation

The following are important documents for implementing and using SIS; the documents are available on our website at www.iata.org/sis and are updated regularly to reflect any system or validation changes.

These will be referenced throughout the webinar.

- SIS Member User Guide
- SIS Participation Guide (ISPG)
- IS-XML Invoicing Record Structures
- ❖ ICH F1 F3
- Sample Files
- Sign Up and Certification Guide
- Revenue Accounting Manual
- SIS Bulletins & Communications



